

KATALOG
VE TEKNİK
REHBER
2021.2



DELİK İŞLEME

>30.000

STANDART ÜRÜN



>75

ÜLKE



>4100

İŞİNE ADANMIŞ ÇALIŞAN



Genel merkezi Fagersta, İsveç'te olan ve 75'ten fazla ülkede şubesi bulunan Seco Tools frezeleme, tornalama, delik işleme operasyonları için metal işleme çözümlerinde dünya lideri bir tedarikçidir.

80 yılı aşkın bir süredir şirket, üreticilerin maksimum üretkenlik ve kârlılık hedefleri için ihtiyaç duydukları teknolojileri, prosesleri ve desteği sağlamaktadır. Tüm endüstri dallarında üreticilerin başarıya ulaşmasında Seco'nun yenilikçi ürünlerinin ve uzmanlık hizmetlerinin nasıl bir rol oynadığını öğrenmek için lütfen www.secotools.com adresini ziyaret edin.

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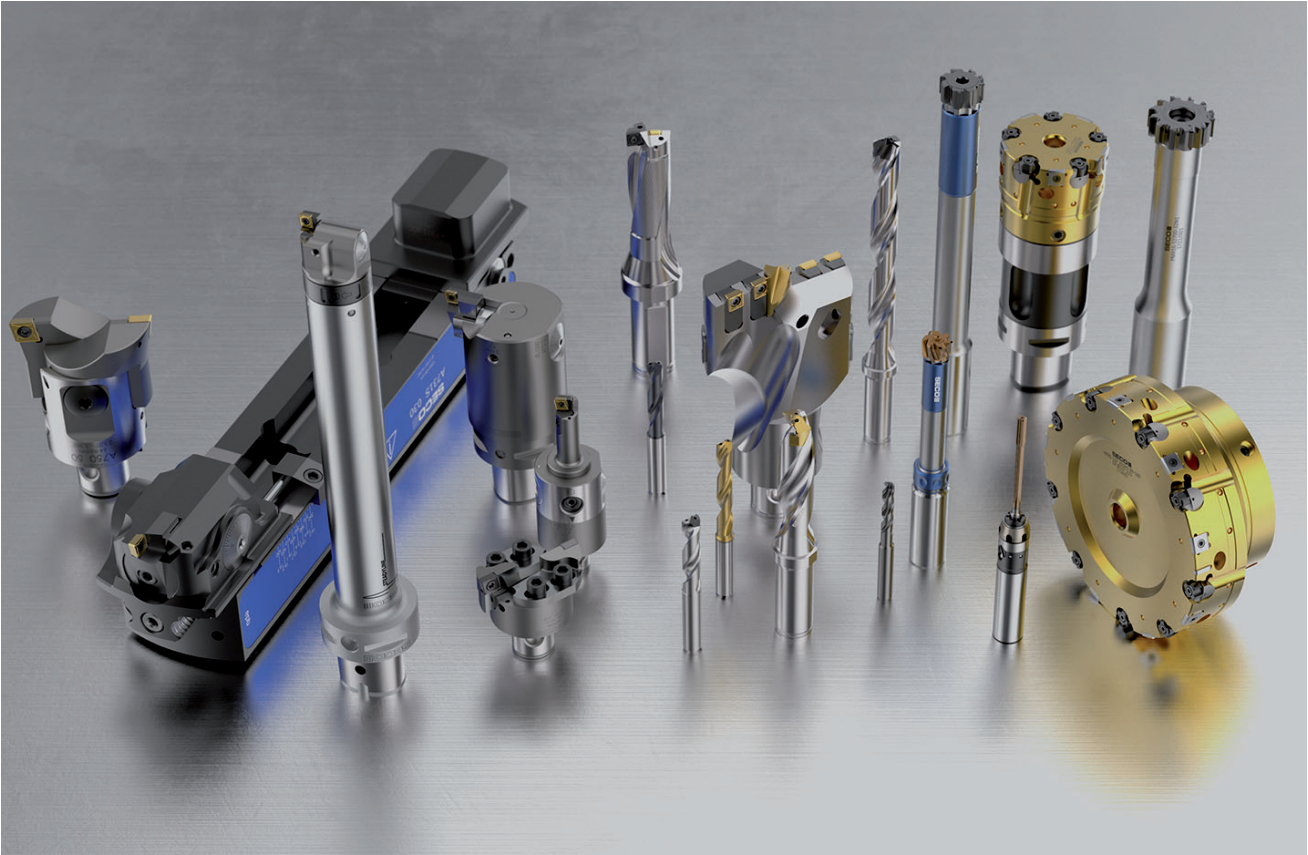
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
Her türlü delik işleme zorluğunu aşın

'Zor' delik işleme uygulamalarında yılların tecrübesine sahibiz. Ar&Ge miz ve metal işleme uzmanlarımız devamlı olarak yeni ve daha verimli çözümler geliştirmektedir. Fakat en önemlisi, siz müşterilerimiz ile kenetlenip sizi rakiplerinizi karşısında mümkün olduğunca rekabetçi yapmaktan ve en üst düzey hizmet kalitesi sunmaktan gurur duyuyoruz.

Seco Tools size tüm alanlarda delik işleme ve teknik sorun giderme konularında yardımcı olmanın sorumluluğunu alacaktır. Delme, raybalama ve baralama konularındaki tüm uzmanlığımızı sunarak çözümler bulup sizi daha rekabetçi yapmak için çalışırız. Sadece Seco ile temas kurarak her türlü destek ve teknik servisi kolayca alabilirsiniz.



DELİK İŞLEMEDE NE İSTERSİNİZ?

	Delme			Raybalama				Baralama			Diş Açma		
	Seco Universal Seco Feedmax™	Crownloc® Crownloc® Plus	Perfo-max®	Precimaster™ Plus	Nanofix™	Bifix®	Xfix™	Kaba baralama	Hassas baralama	Threadmaster™	Threadmaster™ Taps	Diş frezeleme 396.18/19/20	
Sayfa(lar)	25-173	174-227	228-323	329-367	368-397	398-424	425-465	555-576	577-622	Diş Açma kataloğuna bakınız			
													
IT	7-9	9-10	12	6-8	6-8	6-7	6-7	9-10	5-6	-	-	-	-
	0,02 mm (0.0008")	0,05 mm (0.002")	-	Ön delik uygulayın	Ön delik uygulayın	Ön delik uygulayın	Ön delik uygulayın	0,005 mm (0.0002")	0,005 mm (0.0002")	-	Ön delik uygulayın	Ön delik uygulayın	-
	0,02 mm (0.0008")	0,05 mm (0.002")	-	0,007 mm (0.0003")	0,007 mm (0.0003")	0,005 mm (0.0002")	0,005 mm (0.0002")	0,02 mm (0.0008")	0,01 mm (0.0004")	-	-	-	-
	1,0 µm (39 µin)	1,6 µm (63 µin)	2,0 µm (79 µin)	0,6 µm (24 µin)	0,6 µm (24 µin)	0,25 µm (10 µin)	0,8 µm (31 µin)	1,0 µm (39 µin)	0,6 µm (24 µin)	-	-	-	-
TCTR	-	-	-	-	-	-	-	-	-	-	6H 6HX 6G 2B Normal	5HX 2BX Normal-X 6HX 6GX	-
Diş formu	-	-	-	-	-	-	-	-	-	M MF UNC UNF NPT NPTF BSP	M MF UNC UNF G NPT NPTF	M MF UNC UNF G	ISO UN W NPT NPTF BSPT

**Konumlandırma hassasiyeti**

Seco Feedmax, A750 kaba baralama kafaları ve tüm hassas baralama kafaları en iyi konumlandırma hassasiyeti sunan delik işleme takımlarıdır.

**Delik geometrisi**

Mükemmel delik geometrisi için örneğin silindiriklik ve paralellik, Seco'nun tüm delme, raybalama ve baralama takımları aynı yüksek ve tutarlı kaliteyi sunar. Seco'nun baralama kafaları paralellikte en iyi sonucu almanızı garanti eder.

**Yüzey kalitesi**

Gerçekten kusursuz delik yüzeyi için Bifix ilk tercihinizdir ve Seco'nun hassas baralama kafaları size tam kapsamlı işleme olanağı sağlar.

TCTR

= Diş Tolerans Sınıfı

IT

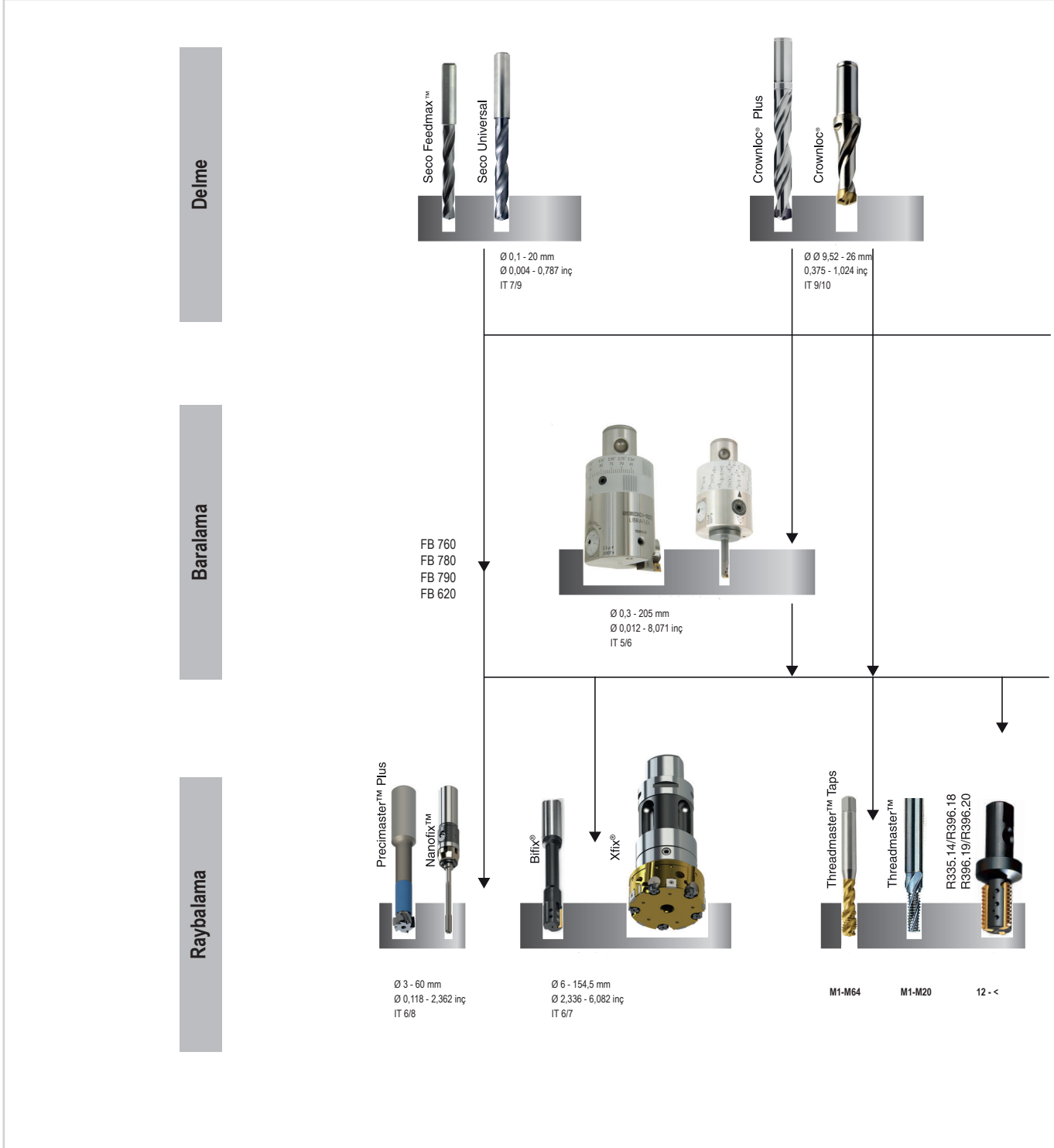
= Delik toleransı

Takım seçim rehberi

Feedmax, Crownloc ve Performax 0,1- 160 mm (0,004-6,299 inç) çaplarda IT7 ila IT12 arası toleranslar ile delik açmak için kullanılır.
Döküm delikler için kaba baralama veya yarı finiş işleme sıklıkla kullanılır, büyük çaplar için kafa bağlama çubukları ve Jumbo kafa bağlama çubukları kullanılmaktadır.
Son olarak, yüksek kaliteli delikler raybalama ve hassas baralama takımları ile elde edilir, bunlar IT5 veya IT6 toleranslara ulaşırlar.
* Kaba IT9/10,** İnce IT 5/6

Threadmaster DTM, TM, TM2, 396.18 ve 396.19;
Sağ ve sol yön dişlerin işlenmesi için aynı freze kullanılabilir. Metrik ve UN versiyonları yalnız iç diş açma içindir. Aynı freze ile tüm toleranslara girmek mümkündür.

Threadmaster Kılavuz:
Hem kesme kılavuzu hem de ovalama kılavuzlarında en yaygın dişler ve toleranslar ile mevcuttur.



Dökümden gelen delikler



Ø 15 - 85 mm
Ø 0,591 - 3,346 inç
IT 12

Ø 60 - 160 mm
Ø 2,362 - 6,299 inç
IT 12

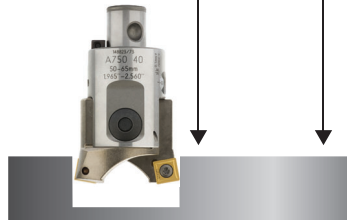
RB 750
RB 610



Ø 18 - 205 mm
Ø 0,709 - 8,071 inç
IT 9/10

Kaba baralama

RB 750
RB 610



Ø 18 - 205 mm
Ø 0,709 - 8,071 inç
IT 9/10



BB 731
Jumbo

Ø 204 - 3205 mm
Ø 8,031 - 126,181 inç
*IT 9/10
**IT 5/6

Hassas baralama

FB 760
FB 780
FB 790
FB 620



Ø 0,3 - 205 mm
Ø 0,012 - 8,071 inç
IT 5/10

DELME



PERFOMAX® MUKAVEMETLİ, DENGELİ VE HASSAS MATKAP

Perfomax® deęiřtirilebilir uçlu matkaplar, büyük çaplı delikler için doęal seçimdir. Bu matkaplar, güçlü ve sağlam tasarımı çok sayıda uçla bir araya getirdikleri için yüksek kesme hızlarında ve ilerleme oranlarında çalışabilirler.

GENİřLETİLMİř ÜRÜN ÇEřİTLERİ

- 2xD, 3xD, 4xD ve 5xD
- Çoęu yaygın sap tipi için mevcuttur
- Çap aralığı 15 - 160 mm (0,590 - 6,299 inç)

MATKAP GÖVDESİNDE MÜKEMMELİK

- Yeni ağız tasarımı
- Kanallarda dalga řekli
- Kaplamalı matkap gövdesi
- Lazerle sertleřtirilmiř gövde

FARKLI İř PARÇASI MALZEMELERİ İÇİN OPTİMİZE EDİLMİř KALİTELER VE GEOMETRİLER UZUN VE TAHMİN EDİLEBİLİR TAKIM ÖMRÜNÜ GARANTİ EDER

- Dört kenarlı kare uçlar
- Güçlü tasarım
- Yüksek ilerleme oranlarını kontrol edebilme olanağı



Matkap çeşitleri – Matkap seçimi

Seco Feedmax™ Solid karbür matkaplar



ÜRETKENLİK

- Yüksek ilerlemeler ve kesme hızları
- Toleransa yakın delikler
- Yüksek sağlamlıkta uygulamalar için
- Tüm iş parçası malzemeleri için

Crownloc® ve Crownloc® Plus Değiştirilebilir kafalı (Crown) matkaplar



ESNEKLİK

- Değiştirilebilir karbür kafalar
- Değişik iş parçası malzemeleri için geometriler
- Uçlar tekrar bilenemez
- Bir matkap gövdesine değişik çapta kafalar bağlanabilir

Perfomax® Değiştirilebilir uçlu matkaplar



MALİYET DÜŞÜRÜCÜ

- Tüm iş parçası malzemeleri için kaliteler ve geometriler
- Düşük delik başı maliyet için kare uçlar
- Delme, dalma, önceden delinmiş deliği geçme, açılı girişler ya da çıkışlar, baralama vb.
- Yüksek uygulama güvenliği

SMG - Giriş

Örnek olarak, SMG P4 için referans malzemeler EN C45E ve hem SMG P5 hem de SMG H5 için referans malzemeler EN 42 CrMo 4. Daha detaylı bilgi için tablolara bakın. SMG'de iş parçası malzemelerinin sınıflandırılması belirli durumlar içinde belirli malzeme standardını kapsar. Bu her hangi bir asıl malzemenin kesme verisi ayarını kolay ve belirgin olarak Seco referans malzemesiyle karşılaştırma içindir. Örnek olarak, SMG P4 için referans malzemeler EN C45E ve hem SMG P5 hem de SMG H5 için referans malzemeler EN 42 CrMo 4 malzeme özelliği seviye referansının belirtildiği tablo 1 de gösterilmiştir.

SMG'nin temeli işlenebilirliklerinden ziyade iş parçası malzemelerinin tiplerine göre sınıflandırılmasıdır ve sonuç olarak kompozitler gibi iş parçası malzemelerini de kapsar. Yeteri kadar kapsamlıdır, fakat bir malzemenin hangi SMG'ye ait olduğunu belirlemek halen kolaydır. Her SMG belirli durumlar içinde belirli malzeme standardına sahiptir. Kesme verilerinin kolayca ayarlanması için referans olarak belirlenmiştir. Herhangi bir asıl malzemenin Seco referans malzemesiyle karşılaştırması için bkz. sayfa 662-673.

SMG	Açıklama	Özellikler	Referans
P4	Düşük alaşımlı genel yapı çelikleri, %0,25 < C < %0,67 wt Düşük alaşımlı, Su verilmiş ve Temperlenmiş çelikler	520 < R _m < 1200	C 45E R _m = 660 N/mm ²
P5	Yapı çelikleri, %0,25 < C < %0,67 wt Su verilmiş ve Temperlenmiş çelikler	550 < R _m < 1200	42 CrMo 4 R _m = 700 N/mm ²

SMG	Açıklama	Özellikler	Referans
H5	Su verilmiş ve Temperlenmiş çelikler	38 < HRC < 56	42 CrMo 4 R _m = 700 N/mm ²

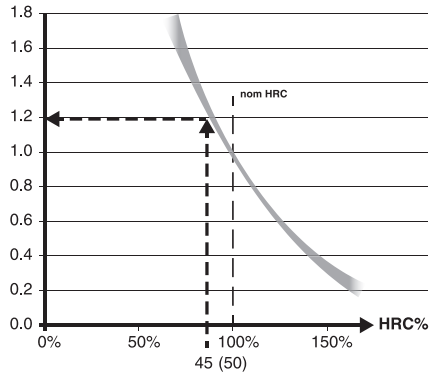
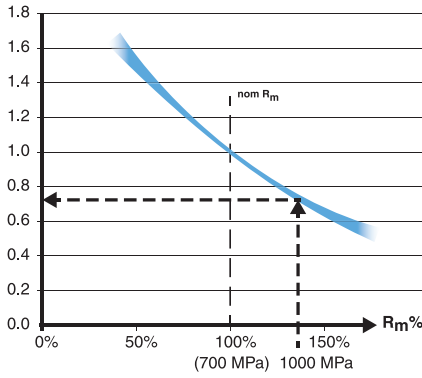
Özellikle tavlınmış durumdaki EN 42 CrMo 4'e odaklanırsak, nihai gerilme dayanıklılığı R_m tipik olarak R_m = 630 N/mm² ve R_m = 780 N/mm² arasında değişiklik gösterebilir, bu da SMG P5 için referans seviyesini verir.

Su verilmiş ve temperlenmiş durumda, nihai gerilme dayanıklılığı R_m tipik olarak R_m = 900 N/mm² ve R_m = 1100 N/mm² arasında olabilir, böylece hala SMG P5'e aittir. Bununla birlikte, R_m = 1200 N/mm² üstünde sertleştirilmiş ise SMG H5'e aittir.

SMG	EN	W.-Nr	AFNOR	BS	UNI	JIS	AISI / ASTM	GOST	Durum	R _{m, nom}	HRC _{nom}
P4	42 CrMo 4	1,1201	42 CD 4	708 M 40	42 CrMo 4	SCM 440 (H)	4142, 4140	38HM	Tavlınmış	700	
	42 CrMo 4	1,1201	42 CD 4	708 M 40	42 CrMo 4	SCM 440 (H)	4142, 4140	38HM	Su verilmiş ve Temperlenmiş	1000	
H5	42 CrMo 4	1,1201	42 CD 4	708 M 40	42 CrMo 4	SCM 440 (H)	4142, 4140	38HM	Su verilmiş ve Temperlenmiş		45
	42 CrMo 4	1,1201	42 CD 4	708 M 40	42 CrMo 4	SCM 440 (H)	4142, 4140	38HM	Su verilmiş ve Temperlenmiş		50

Su verilmiş ve temperlenmiş EN 42CrMo4 çelik, malzemelerin durumlarına bağlı işlenebilirliği göstermek için kullanılabilir.

Aşağıdaki grafikler nominal malzeme durumuna göre hız tavsiyelerinin R_m (sol grafik ISO-P için geçerli) ve HRC'ye (ISO-H için geçerli) bağlı olarak nasıl ayarlanabildiğini gösterir.



SMG P5 nominal v_c'nin daha doğru tavsiye edilen v_c'ye nasıl ayarlandığını göstermek için nihai gerilme dayanıklılığı R_m verisine ihtiyacımız vardır ve bu durumda yukarıdaki tabloya göre R_m = 1000 N/mm² için su verilmiş ve temperlenmiş EN 42 CrMo 4 kullanırız (kalın mavi oklar). Farz edelim belirli bir ürün ve işleme için SMG P5 nominal v_c = 280 m/dak olarak bulduk. O zaman, gerçek tavsiye edilen v_c = 280 m/dak x 0,75 = 210 m/dak dir. Bundan dolayı SMG H5 'te nominal v_c 45 HRC de sertleştirilmiş EN 42 CrMo 4 kullanarak ayarlanabilir (küçük gri oklar).

Farz edelim belirli bir ürün ve kaplamalı dolgu karbür uç kullanarak işleme için SMG H5 nominal v_c = 50 m/dak olarak bulduk, o zaman gerçek tavsiye edilen v_c = 50 m/dak x 1,2 = 60 m/dak olur. Daha ileri düzey iş parçası malzemesi detayları için bkz. sayfa 662-673 ve önerilen kesme verileri için ilgili sayfalara bakın. Daha elverişli kesme verisi elde etmek için web sitemizde bahsedilen (www.secotools.com) My Pages uygulamalarına bakmanızı tavsiye ederiz.

ISO kısaltma bilgisi

ISO özelliği	Açıklama
ADJLN	Minimum ayar limiti
ADJLX	Maksimum ayar limiti
ADJRG	Ayar aralığı
AN	Esas boşluk açısı
APMX	Maksimum kesme derinliği
AZ	Maksimum dalma derinliği
B	Sap eni
BD	Gövde çapı
BD1	Gövde çapı 1
BD2	Gövde çapı 2
BDX	Maksimum gövde çapı
BHTA	Gövde yarı konik açısı
BLQ	Balans ayar kalite kodu
BN	Kenar hazırlama genişliği
CBDP	Bağlantı deliği derinliği
CDX	Maksimum kesme derinliği
CEDC	Kesme kenarı sayısı
CHA	Kesen delik açısı
CHW	Köşe pahı eni
CNT	Soğutma sıvısı giriş dış ebadı
CW	Kesme eni
CZC	Bağlantı ebadı kodu
D1	Sabitlenme delik çapı
DC	Kesme çapı
DCB	Bağlantı deliği çapı
DCBN	Minimum bağlantı deliği çapı
DCBX	Maksimum bağlantı deliği çapı
DCB1	Bağlantı deliği çapı 1
DCC	Tasarım konfigürasyon kodu
DCINN	Min.Kesme çapı-İç
DCINX	Maks. Kesme çapı-Dış
DCN	Minimum kesme çapı
DCON	Bağlantı çapı
DCX	Maksimum kesme çapı
DF	Flanş çapı
DMM	Sap çapı
FLGW	Flanş eni
GAN	Uç boşluk açısı
GB	Kenar hazırlama genişliği
HTB	Gövde yüksekliği
IC	Hayali daire çapı
INSD	Uç çapı
INSL	Uç boyu
KRINS	Ana kesme kenarı açısı
L	Kesme kenarı boyu
LB	Gövde boyu
LB1	Gövde boyu 1
LCF	Talaş kanalı boyu
LE	Efektif kesme kenarı boyu
LF	Fonksiyonel boy
LFS	ikincil fonksiyonel boy
LH	Kafa boyu
LPR	Tutucudan sonraki boy
LS	Sap boyu
LSC	Sıkma boyu
LU	Kullanım boyu
LUX	Maksimum kullanım boyu
M	M-ebadı
OAL	Tam boy
RE	Köşe radyüsü
S	Uç kalınlığı
TDZ	Dış çapı ebadı
WB	Gövde eni
WF	Fonksiyonel en

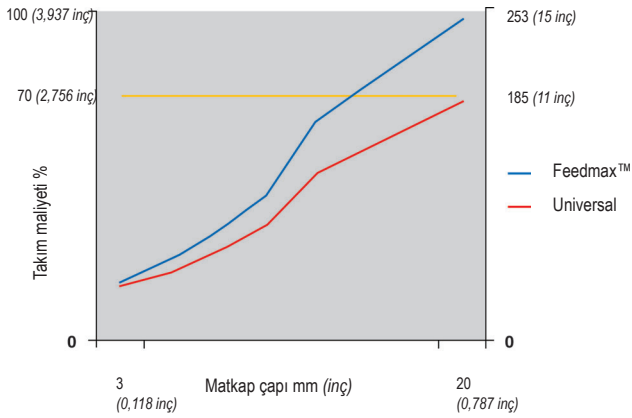
Yüksek performans ve Universal çözümler

Solid karbür matkap ile delme operasyonlarınızda aradığınız şey nedir?

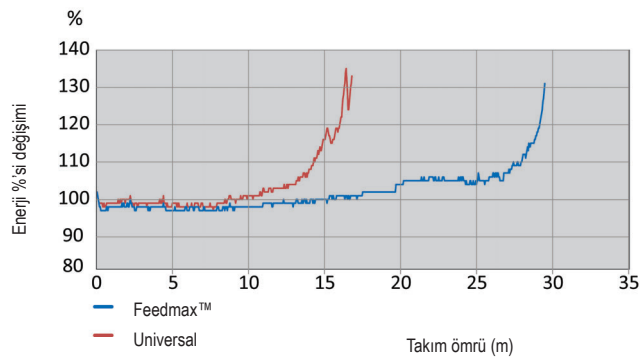
Universal – Çok amaçlı, genel performanslı, solid karbür matkap

Universal matkaplar çok amaçlı, genel performanslı solid karbür matkaplardır ve tüm endüstri segmentlerinde, çok geniş bir malzeme ve uygulama yelpazesinde kullanılabilir. 140 derecelik kendinden merkezleyen uç tasarımı, parlak talaş kanalları ve mükemmel kalite karbür gövde sayesinde, düşük maliyet ile yüksek kapasite, uygulama güvenliği ve çok yönlülük sağlanır. Universal matkaplar ile stok tutma maliyeti düşürülebilir ve daha iyi işleme esnekliği elde edilir ve bu da daha kısa ayarlama süresi sağlar. Universal, delme operasyonlarında çok yönlülük, esneklik ve stok maliyeti azaltma konuları temel hedef olduğunda Feedmax™ serisine bir alternatiftir.

MRR, Talaş kaldırma oranı
(cm³ / dak)



Takım ömrü, düşük kesme verileri



İlk delik referans olarak ayarlanmıştır, %100 fener mili gücüne bağlıdır

Kesme verisi
V_c = 90 m/dak
f = 0,15 mm/dev

v_c = 295 sf/dak
f = 0,006 inç/dev

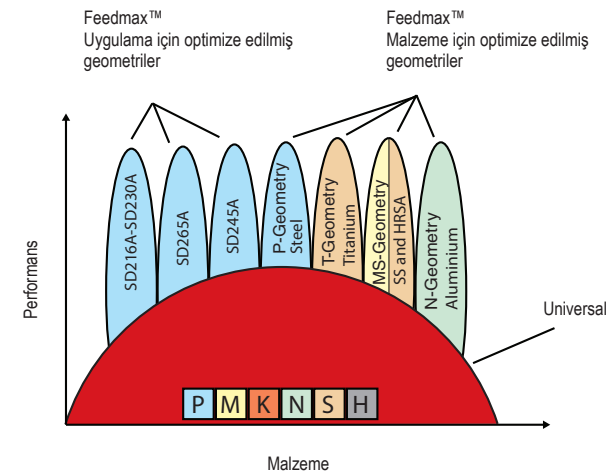
Malzeme =SMG P5-P6, SS2244,
DIN41CrMo4, AISI 4140

Feedmax™ – Üretken, yüksek performanslı, solid karbür matkap

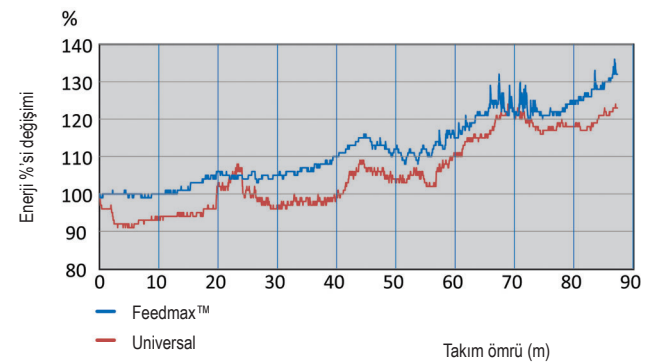
Feedmax™ matkaplar en son teknoloji karbürün, kaplama ve geometri teknolojisinin eşsiz bir kombinasyonunu sunar.

Feedmax™ yüksek üretkenlik ve delik başı düşük maliyet için tasarlanmış olup, 0,70 mm/dev (0,028 inç/dev) değerine kadar yüksek ilerleme oranı ve 220 m/dak (720 sf/dak) değerine kadar kesme hızı sunar. Mükemmel merkezleme kabiliyeti - puntalama operasyonu gerektirmeden yüksek delik kalitesi. Modern kaplama, koruyucu pahlı güçlü kesme kenarları, yüksek mukavemetli karbür, mükemmel talaş boşaltma kabiliyeti ve üstün kesme kenarı kalitesi sayesinde - uzun ve tahmin edilebilir takım ömrü elde edilir.

Feedmax™ farklı malzemelerde ve uygulamalarda düşük maliyetli kaliteli delikler elde etmek üzere iyileştirilmiş geometri çeşitleri sunar.



Takım ömrü, yüksek kesme verileri



İlk delik referans olarak ayarlanmıştır, %100 fener mili gücüne bağlıdır

Kesme verisi
V_c = 160 m/dak
f = 0,24 mm/dev

v_c = 525 sf/dak
f = 0,009 inç/dev

Malzeme =SMG P5-P6, SS2244,
DIN41CrMo4, AISI 4140

Ürünlere genel bakış

Universal	Ø Aralığı	Delme derinliği	Matkap Ø toleransı	Delik toleransı (1)	Yüzey kalitesi (2)
SD1103  Sayfa(lar) 26, 27, 28, 29, 30, 31	3-20 mm (0.118-0.787")	~ 3 x D	m7	IT 8-9	Ra 1-2 µm (Ra 39-79 µin)
SD1103A  Sayfa(lar) 32, 33, 34, 35, 36, 37	3-20 mm (0.118-0.787")	~ 3 x D	m7	IT 8-9	Ra 1-2 µm (Ra 39-79 µin)
SD1105A  Sayfa(lar) 38, 39, 40, 41, 42, 43, 44, 45	3-20 mm (0.118-0.787")	~ 5 x D	m7	IT 8-9	Ra 1-3 µm (Ra 39-118 µin)
SD1108A  Sayfa(lar) 46, 47, 48, 49, 50	3-20 mm (0.118-0.787")	~ 8 x D	m7	IT 9	Ra 1-3 µm (Ra 39-118 µin)
SD1112A  Sayfa(lar) 51, 52, 53, 54	3-20 mm (0.118-0.787")	~ 12 x D	m7	IT 9	Ra 1-3 µm (Ra 39-118 µin)

1) Kullanılan malzemeye ve kesme verilerine bağlı olarak değişiklikler olabilir.

2) Matkap boyu, kesme verisi, soğutma sıvısı basıncı ve malzeme yüzey kalitesinde bozulmalara sebep olabilir.

Ürünlere genel bakış

Feedmax™	Ø Aralığı	Delme derinliği	Matkap Ø toleransı	Delik toleransı (1)	Yüzey kalitesi (2)
SD203A-P  Sayfa(lar) 56, 57, 58, 59, 60, 61, 62	2-20 mm (0.078-0.787")	~ 3 x D	m7	IT 8-9	Ra 1-2 µm (Ra 39-79 µin)
SD205A-P  Sayfa(lar) 63, 64, 65, 66, 67, 68, 69, 70	2-20 mm (0.078-0.787")	~ 5 x D	m7	IT 8-9	Ra 1-2 µm (Ra 39-79 µin)
SD206, SD206A  Sayfa(lar) 71, 72	0,7-2,0 mm (0.027-0.078")	~ 6 x D	h6	IT 9	Ra 1-2 µm (Ra 39-79 µin)
SD207A-P  Sayfa(lar) 73, 74, 75	3-20 mm (0.118-0.787")	~ 7 x D	m7	IT 9	Ra 1-3 µm (Ra 39-118 µin)
SD216A  Sayfa(lar) 76	3-12 mm (0.118-0.472")	~ 16 x D	m7	IT 9	Ra 1-3 µm (Ra 39-118 µin)
SD230A  Sayfa(lar) 77	4-10 mm (0.157-0.393")	~ 30 x D	m7	IT 9	Ra 1-3 µm (Ra 39-118 µin)

1) Kullanılan matzemeye ve kesme verilerine bağlı olarak değişiklikler olabilir.

2) Matkap boyu, kesme verisi, soğutma sıvısı basıncı ve malzeme yüzey kalitesinde bozulmalara sebep olabilir.







Ürünlere genel bakış

Feedmax™	Ø Aralığı	Delme derinliği	Matkap Ø toleransı	Delik toleransı (1)	Yüzey kalitesi (2)
SD245A  Sayfa(lar) 79, 80	5-14 mm (0.196-0.551")	~ 5 x D	m7	IT 8	Ra 1-2 µm (Ra 39-79 µin)
SD265A  Sayfa(lar) 82	6-16 mm (0.236-0.630")	~ 5 x D	js6	IT 7	Ra 1-2 µm (Ra 39-79 µin)
SD203A-MS  Sayfa(lar) 89, 90, 91, 92, 93	2-20 mm (0.079-0.551")	~ 3 x D	m7	IT 8-9	Ra 1-2 µm (Ra 39-79 µin)
SD205A-MS  Sayfa(lar) 94, 95, 96, 97	2-20 mm (0.079-0.551")	~ 5 x D	m7	IT 8-9	Ra 1-2 µm (Ra 39-79 µin)
SD203A-M Paslanmaz çelikler  Sayfa(lar) 98, 99, 100	3-20 mm (0.098-0.551")	~ 3 x D	m7	IT 8-9	Ra 1-2 µm (Ra 39-79 µin)
SD205A-M Paslanmaz çelikler  Sayfa(lar) 101, 102, 103	3-20 mm (0.098-0.551")	~ 5 x D	m7	IT 8-9	Ra 1-2 µm (Ra 39-79 µin)

1) Kullanılan malzemeye ve kesme verilerine bağlı olarak değişiklikler olabilir.

2) Matkap boyu, kesme verisi, soğutma sıvısı basıncı ve malzeme yüzey kalitesinde bozulmalara sebep olabilir.

Ürünlere genel bakış

Feedmax™	Ø Aralığı	Delme derinliği	Matkap Ø toleransı	Delik toleransı (1)	Yüzey kalitesi (2)
SD203A-T, SD205A-T  Sayfa(lar) 104, 105	3-20 mm (0.118-0.787")	~ 3 x D, ~ 5 x D	m7	IT 8-9	Ra 1-2 µm (Ra 39-79 µin)
SD203A-N  Sayfa(lar) 112, 113	3-20 mm (0.118-0.787")	~ 3 x D	m7	IT 8-9	Ra 1-2 µm (Ra 39-79 µin)
SD205A-C1, -C2  Sayfa(lar) 114-116	3.2-12.7 mm (0.125-0.500")	~ 5 x D	m7	IT 9	-
SD203-CX1, -CX2, SD205-CX31  Sayfa(lar) 94, 95, 96, 97	3.26-9.53 mm (0.128-0.375")	~ 5 x D	m7	IT 9	-
SD22  Sayfa(lar) 118, 119, 120, 121, 122, 123, 124	0.1-2.0 mm (0.004-0.079")	~ 2 x D	0,005/0 mm (+0.0002"/0)	-	-
SD26  Sayfa(lar) 125, 126, 127, 128, 129, 130, 131	0.1-2.0 mm (0.004-0.079")	~ 6 x D	0-0,04 mm (0/-0.0016")	-	-

1) Kullanılan malzemeye ve kesme verilerine bağlı olarak değişiklikler olabilir.

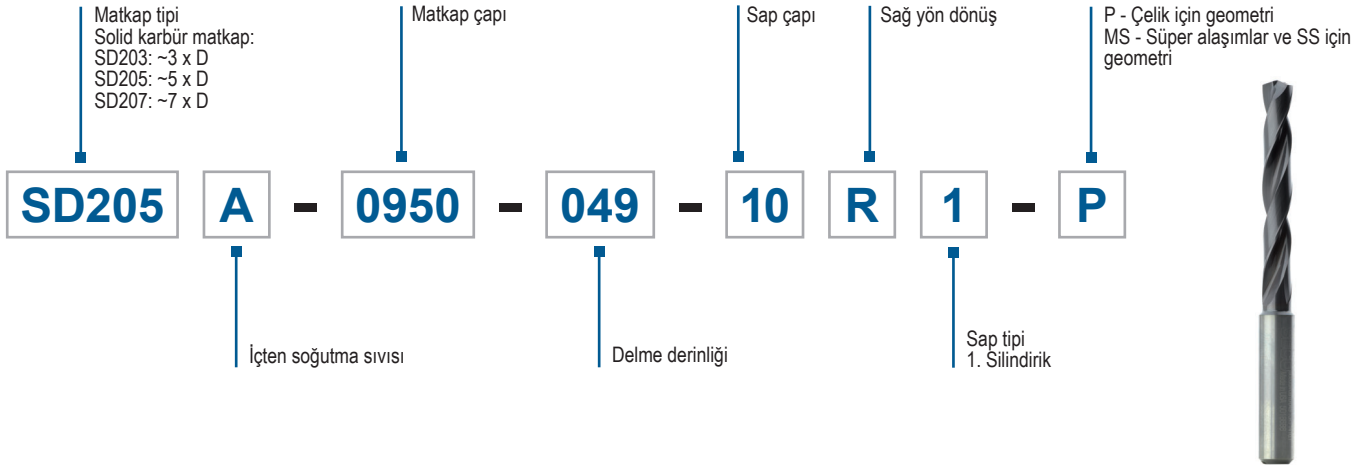
2) Matkap boyu, kesme verisi, soğutma sıvısı basıncı ve malzeme yüzey kalitesinde bozulmalara sebep olabilir.

Kodlama anahtarları

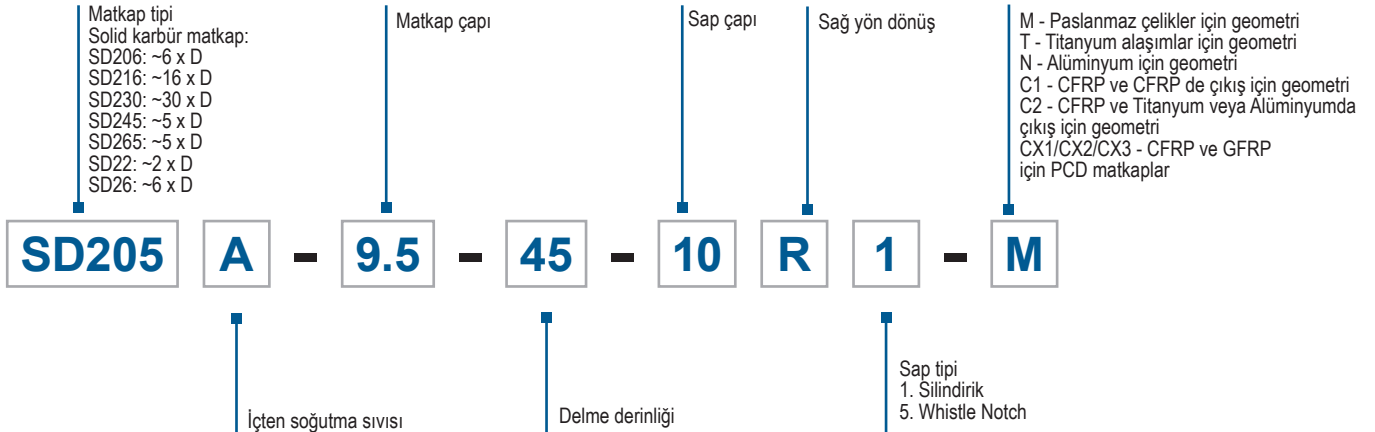
Universal



Feedmax™



Feedmax™



Ayar

Tutma/Salgı

Silindirik saplı matkaplar Shrinkfit tutucular, hidrolik tutucular ya da pens tutucular ile kullanılabilir. Fener milinde ölçülen toplam salgıyı 0,04 mm (0,0016 inç) dahilinde tutun. En iyi sonuç için salgıyı 0,02 mm (0,0008 inç) dahilinde tutun.

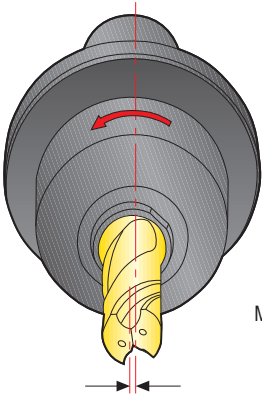
Denge

Uygulamanın dengeli olması en iyi takım ömrünün sağlanması ve delik hassasiyeti açısından önemlidir. Maksimum sağlamlık ve denge için lütfen tezgahın fener mili bağlantılarını ve diğer bağlantı elemanlarının durumunu iyice kontrol edin. Stabil olmayan şartlarda matkap kırılabilir.

Takım Ömrü

En geniş noktada ölçülen kenar aşınması 0,1-0,3 mm (0,004-0,012 inç) değerini aşan matkaplar kullanılmamalıdır.

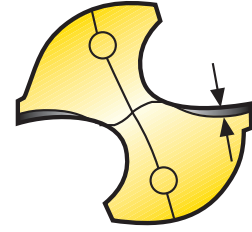
Tavsiye edilen Takım Tutucular



Maks. 0,04 mm (0,0016 inç)

En iyi sonuç için şu tutucuları kullanın:
Tip 5603 - Shrinkfit tutucular, DIN tip
Tip 5834 - Hidrolik pens tutucular
Tip 5672 - Hassas pens tutucular
Daha fazla bilgi için Tutucu sistemleri kataloğuna bakın

0,1-0,3 mm (0,004-0,012 inç)

**Shrinkfit tutucu**

(Sadece silindirik, R1 saplar için)

**Hidrolik tutucu**

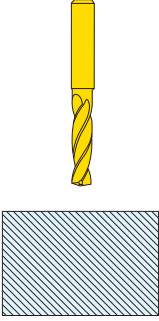
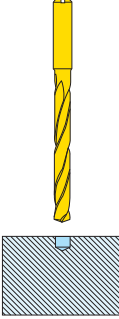
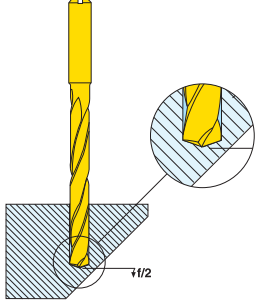
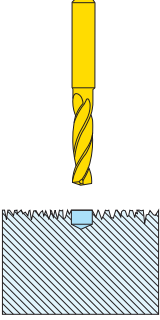
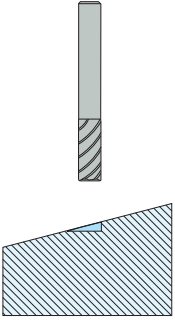
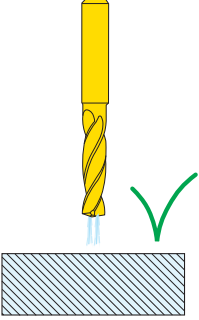
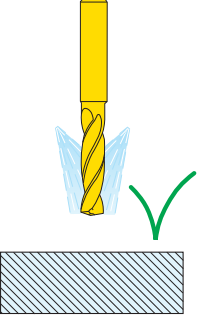
(Sadece silindirik, R1 saplar için)

**Yüksek hassasiyetli pens tutucular**

(Sadece silindirik, R1 saplar için)



Öneriler

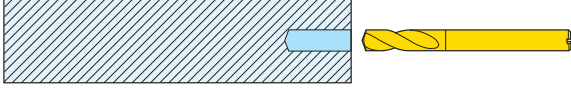
Tavsiye edilen Takım Tutucular		Açılı Delik Çıkışları
<p>3-15 x D</p>  <p>Ön delik ya da giriş ilerlemesi gerekmez.</p>	<p>> 16 x D</p>  <p>Uzun boylu matkap kullanırken pilot delik delinmesi tavsiye edilir.</p>	<p>Delikten çıkmadan ilerlemeyi %50 azaltın.</p>  <p>Ya da SD245A matkap kullanın.</p>
Bozuk/açılı Delik girişi		
<p>Bozuk yüzey veya açılı giriş varsa duruma göre ön işleme yapın</p>  <p>Düzgün yüzeyli delik girişi</p> <p>Standart kısa bir Feedmax ile ön delik açın.</p>	<p>Ön işleme alternatifleri</p>  <p>Açılı delik girişi</p> <p>Bir Seco parmak freze ile açılı yüzeye düzlük yapın.</p>	
Soğutma Sıvısı Tavsiyeleri		
<p>1.</p>  <p>İlk tercih</p>	<p>2.</p>  <p>≤ 5 x D</p>	<p>1. Soğutma sıvısı basıncı* ≤ 5 x D matkaplarda tavsiye edilen minimum soğutma sıvısı basıncı 10 bar > 5 x D matkaplarda tavsiye edilen minimum soğutma sıvısı basıncı 30 bar > 16 x D matkaplarda tavsiye edilen minimum soğutma sıvısı basıncı 40 bar</p> <p>2. Soğutma sıvısı karışımı Tavsiye edilen emülsiyon karışımı %6-8'dir. Paslanmaz çelik, süper alaşım ve yüksek mukavemetli çelikler delerken karışımının %10 olması tavsiye edilir.</p>

*Soğutma sıvısı basıncı düşükse kesme verilerini buna göre düşürün.

Öneriler

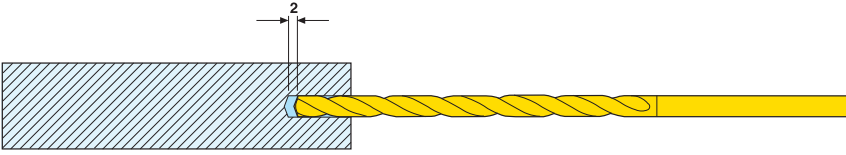
SD216A (16 x D) ila SD230A (30 x D) - ADIM ADIM İLERLEME

1.



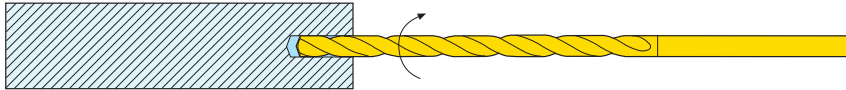
1. 2-3 x D boyunda bir pilot delik delin. Aynı çapta standart bir matkap kullanın, örn. SD203A veya SD1103 (140° açılı).

2.



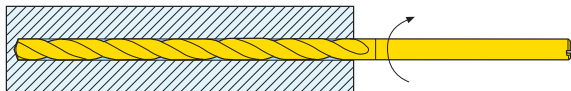
2. Tezgahın fener mili durmuş halde deliğe girin ya da düşük bir RPM (500) kullanın. Pilot deliğin boyundan 2 mm (0,080 inç) önce durun.

3.



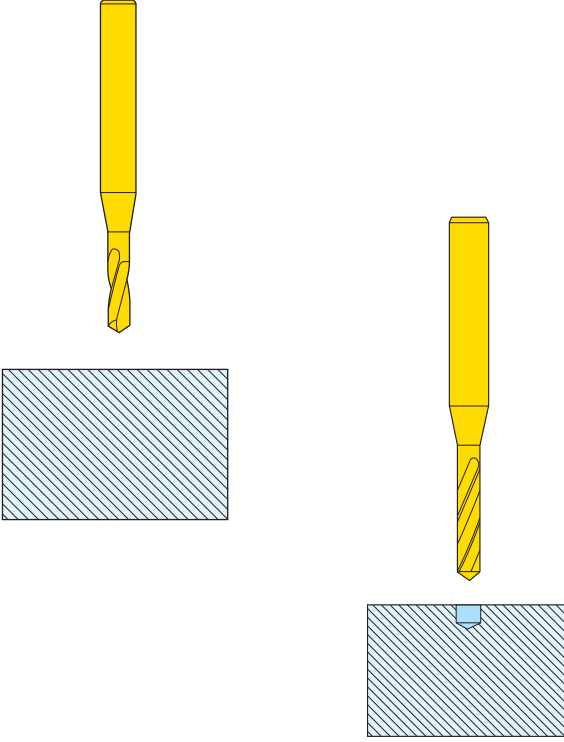
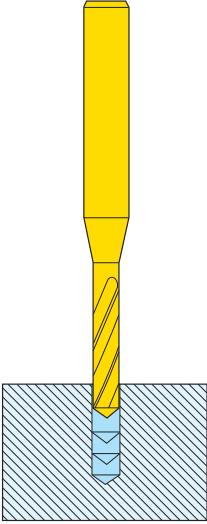
3. Fener milini döndürün ve soğutma sıvısını açın, tavsiye edilen kesme verileri ile delin. (Gagalama yapmayın.)

4.

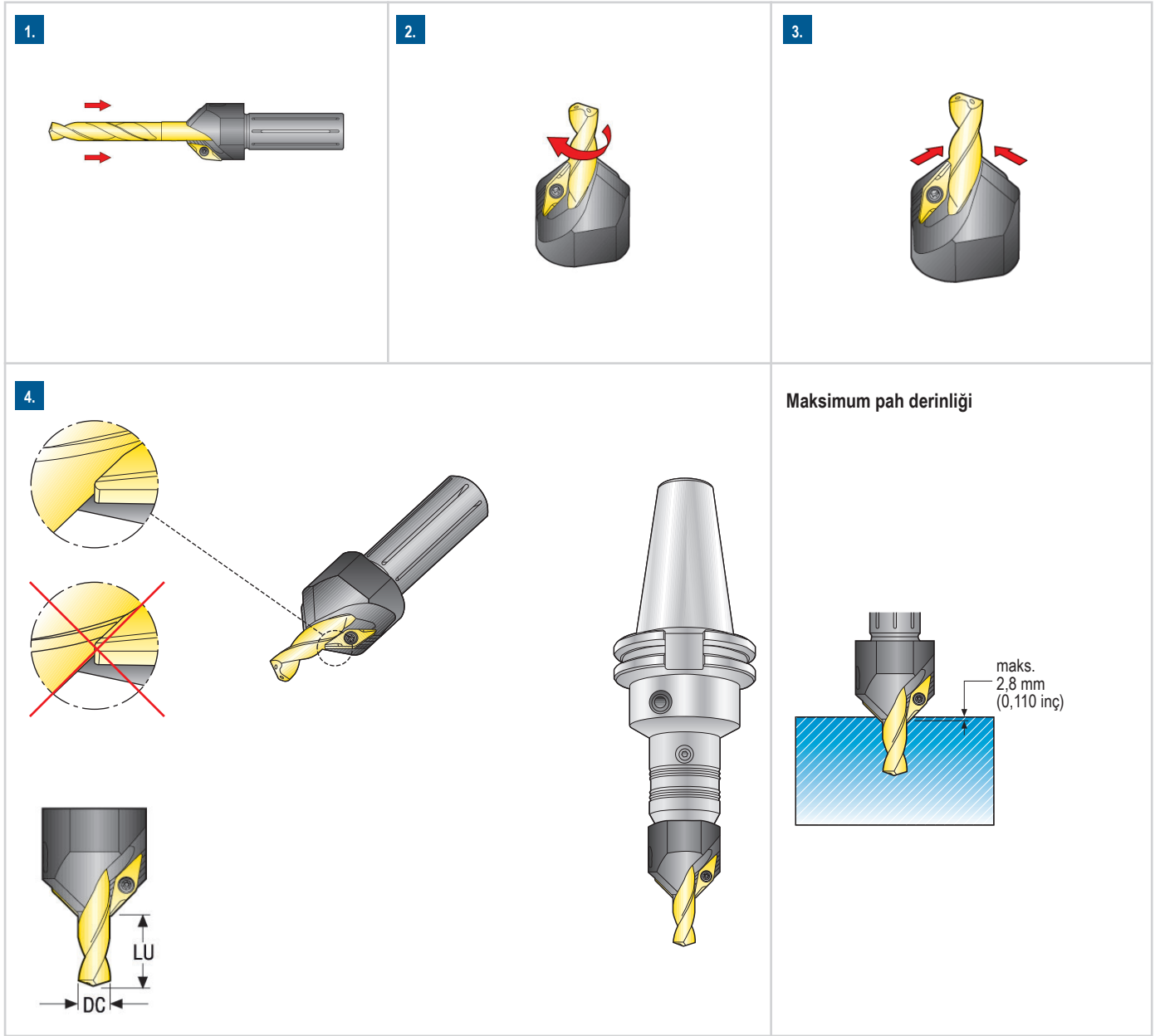


4. Delikte iz kalmaması için tam boya ulaştığınız zaman, devri 500 RPM değerine düşürün ve matkabı ilerlemenin 4 katı hızla geri çekin.

Öneriler - Mikro matkaplar

Pilot Delik	
	<p>SD22</p> <p>İyi bir delik toleransı ve konumlandırma hassasiyeti için SD22 matkap ile aynı çapta pilot delik delin.</p>
	<p>SD26</p> <p>1 mm'den (0,039 inç) küçük çaplarda pilot matkabın kullanılmasını önemle tavsiye ederiz.</p>
Gagalama	
	<p>Uzun talaş çıkaran malzemelerde gagalama metodu kullanılmalı. Genel olarak her matkap çapı kadar boyda gagalama yapın.</p>

Pah modülü montaj talimatları



Matkap çapı DC		LU Delme derinliği (min-maks)					
		SD1103 / SD203A		SD1105 / SD205A		SD207A	
mm	İnç	mm	İnç	mm	İnç	mm	İnç
4,00-4,75	.157-.187	4-17	.157-.669	10-27	.394-1.063	30-45	1.181-1.772
4,76-6,00	.187-.236	6-20	.236-.787	18-32	.709-1.260	30-45	1.181-1.772
6,01-8,00	.241-.315	15-27	.590-1.063	28-42	1.102-1.653	42-57	1.653-2.244
8,01-10,00	.315-.394	17-31	.669-1.220	34-48	1.338-1.890	47-62	1.850-2.441
10,01-12,00	.394-.472	21-36	.826-1.417	40-56	1.575-2.205	57-72	2.244-2.835
12,01-14,00	.473-.551	22-37	.866-1.457	43-59	1.693-2.323	68-83	2.677-3.268
14,01-16,00	.552-.630	23-39	.906-1.535	44-60	1.732-2.362	76-92	2.992-3.622

Sadece silindirik sapla kullanılmalıdır (R1).



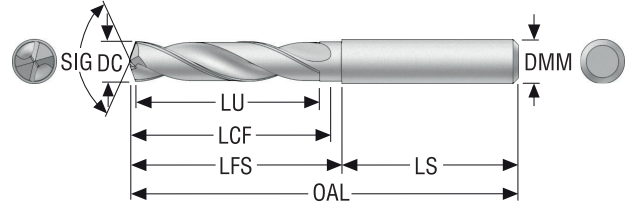
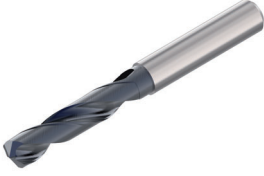
Seco Universal – Tek çaplı matkaplar

Seco Universal solid karbür matkaplar, küçük ve orta ölçekli atölyeler için mükemmel uyum sağlayan uygun maliyetli ve çok yönlü bir çözümdür. Seco Universal matkaplar, tüm endüstri segmentlerindeki çoğu malzeme için uygundur.

- Mükemmel merkezleme kabiliyeti sağlayan çok amaçlı, 4 yönlü nokta geometrisi mevcuttur
- Aşınmaya karşı son derece dayanıklı TiAlN kaplama uzun takım ömrü sağlar
- Threadmaster™ Kılavuz ile birlikte ve Precimaster™ Plus ile ön baralama işlemlerinde kullanılabilir

SD1103

Delme derinliği ~ 3 x D



- Silindirik sap DIN 6537A
- Tolerans DC m7
- Dıştan soğutma sıvısı
- Kesme verileri için, bakınız sayfa 142
- Ara çaplar için lütfen Özel Tasarım programına bakınız

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM	Uç nokta açısı:	Kaplama	Delik toleransı
		mm Inç	mm Inç	mm Inç	mm Inç	mm Inç	mm Inç	mm Inç			
SD1103-0300-014-06R1 SD_DRILL_3.0MM_3XD	02898974	3,0 0.118	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236	140°	TiAIN	IT9
SD1103-0310-014-06R1 SD_DRILL_3.1MM_3XD	02898975	3,1 0.122	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236	140°	TiAIN	IT9
SD1103-0318-014-06R1 SD_DRILL_1/8_3XD	02898976	3,175 0.125	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236	140°	TiAIN	IT9
SD1103-0320-014-06R1 SD_DRILL_3.2MM_3XD	02898977	3,2 0.126	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236	140°	TiAIN	IT9
SD1103-0325-014-06R1 SD_DRILL_3.25MM_3XD	02898978	3,25 0.128	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236	140°	TiAIN	IT9
SD1103-0330-014-06R1 SD_DRILL_3.3MM_3XD	02898979	3,3 0.130	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236	140°	TiAIN	IT9
SD1103-0340-014-06R1 SD_DRILL_3.4MM_3XD	02898980	3,4 0.134	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236	140°	TiAIN	IT9
SD1103-0350-014-06R1 SD_DRILL_3.5MM_3XD	02898981	3,5 0.138	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236	140°	TiAIN	IT9
SD1103-0357-014-06R1 SD_DRILL_9/64_3XD	02898982	3,572 0.141	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236	140°	TiAIN	IT9
SD1103-0360-014-06R1 SD_DRILL_3.6MM_3XD	02898983	3,6 0.142	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236	140°	TiAIN	IT9
SD1103-0365-014-06R1 SD_DRILL_3.65MM_3XD	02898984	3,65 0.144	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236	140°	TiAIN	IT9
SD1103-0370-014-06R1 SD_DRILL_3.7MM_3XD	02898985	3,7 0.146	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236	140°	TiAIN	IT9
SD1103-0380-017-06R1 SD_DRILL_3.8MM_3XD	02898986	3,8 0.150	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236	140°	TiAIN	IT9
SD1103-0390-017-06R1 SD_DRILL_3.9MM_3XD	02898987	3,9 0.154	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236	140°	TiAIN	IT9
SD1103-0397-017-06R1 SD_DRILL_5/32_3XD	02898988	3,969 0.156	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236	140°	TiAIN	IT9
SD1103-0400-017-06R1 SD_DRILL_4.0MM_3XD	02898989	4,0 0.157	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236	140°	TiAIN	IT9
SD1103-0410-017-06R1 SD_DRILL_4.1MM_3XD	02898990	4,1 0.161	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236	140°	TiAIN	IT9
SD1103-0420-017-06R1 SD_DRILL_4.2MM_3XD	02898991	4,2 0.165	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236	140°	TiAIN	IT9
SD1103-0430-017-06R1 SD_DRILL_4.3MM_3XD	02898992	4,3 0.169	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236	140°	TiAIN	IT9
SD1103-0437-017-06R1 SD_DRILL_11/64_3XD	02898993	4,366 0.172	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236	140°	TiAIN	IT9
SD1103-0440-017-06R1 SD_DRILL_4.4MM_3XD	02898994	4,4 0.173	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236	140°	TiAIN	IT9

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM	Uç nokta açısı:	Kaplama	Delik toleransı
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç			
SD1103-0450-017-06R1 SD_DRILL_4.5MM_3XD	02898995	4,5 0.177	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236	140°	TiAIN	IT9
SD1103-0460-017-06R1 SD_DRILL_4.6MM_3XD	02898996	4,6 0.181	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236	140°	TiAIN	IT9
SD1103-0465-017-06R1 SD_DRILL_4.65MM_3XD	02898997	4,65 0.183	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236	140°	TiAIN	IT9
SD1103-0470-017-06R1 SD_DRILL_4.7MM_3XD	02898998	4,7 0.185	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236	140°	TiAIN	IT9
SD1103-0476-020-06R1 SD_DRILL_3/16_3XD	02898999	4,763 0.188	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	140°	TiAIN	IT9
SD1103-0480-020-06R1 SD_DRILL_4.8MM_3XD	02899000	4,8 0.189	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	140°	TiAIN	IT9
SD1103-0490-020-06R1 SD_DRILL_4.9MM_3XD	02899001	4,9 0.193	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	140°	TiAIN	IT9
SD1103-0500-020-06R1 SD_DRILL_5.0MM_3XD	02899002	5,0 0.197	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	140°	TiAIN	IT9
SD1103-0510-020-06R1 SD_DRILL_5.1MM_3XD	02899003	5,1 0.201	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	140°	TiAIN	IT9
SD1103-0516-020-06R1 SD_DRILL_13/64_3XD	02899004	5,159 0.203	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	140°	TiAIN	IT9
SD1103-0520-020-06R1 SD_DRILL_5.2MM_3XD	02899005	5,2 0.205	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	140°	TiAIN	IT9
SD1103-0530-020-06R1 SD_DRILL_5.3MM_3XD	02899006	5,3 0.209	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	140°	TiAIN	IT9
SD1103-0540-020-06R1 SD_DRILL_5.4MM_3XD	02899007	5,4 0.213	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	140°	TiAIN	IT9
SD1103-0550-020-06R1 SD_DRILL_5.5MM_3XD	02899008	5,5 0.217	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	140°	TiAIN	IT9
SD1103-0555-020-06R1 SD_DRILL_5.55MM_3XD	02899009	5,55 0.219	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	140°	TiAIN	IT9
SD1103-0556-020-06R1 SD_DRILL_7/32_3XD	02899010	5,556 0.219	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	140°	TiAIN	IT9
SD1103-0560-020-06R1 SD_DRILL_5.6MM_3XD	02899011	5,6 0.220	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	140°	TiAIN	IT9
SD1103-0570-020-06R1 SD_DRILL_5.7MM_3XD	02899012	5,7 0.224	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	140°	TiAIN	IT9
SD1103-0580-020-06R1 SD_DRILL_5.8MM_3XD	02899013	5,8 0.228	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	140°	TiAIN	IT9
SD1103-0590-020-06R1 SD_DRILL_5.9MM_3XD	02899014	5,9 0.232	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	140°	TiAIN	IT9
SD1103-0595-020-06R1 SD_DRILL_15/64_3XD	02899015	5,953 0.234	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	140°	TiAIN	IT9
SD1103-0600-020-06R1 SD_DRILL_6.0MM_3XD	02899016	6,0 0.236	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	140°	TiAIN	IT9
SD1103-0610-024-08R1 SD_DRILL_6.1MM_3XD	02899017	6,1 0.240	24,0 0.945	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315	140°	TiAIN	IT9
SD1103-0620-024-08R1 SD_DRILL_6.2MM_3XD	02899018	6,2 0.244	24,0 0.945	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315	140°	TiAIN	IT9
SD1103-0630-024-08R1 SD_DRILL_6.3MM_3XD	02899019	6,3 0.248	24,0 0.945	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315	140°	TiAIN	IT9
SD1103-0635-024-08R1 SD_DRILL_1/4_3XD	02899020	6,35 0.250	24,0 0.945	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315	140°	TiAIN	IT9
SD1103-0640-024-08R1 SD_DRILL_6.4MM_3XD	02899021	6,4 0.252	24,0 0.945	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315	140°	TiAIN	IT9
SD1103-0650-024-08R1 SD_DRILL_6.5MM_3XD	02899022	6,5 0.256	24,0 0.945	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315	140°	TiAIN	IT9
SD1103-0660-024-08R1 SD_DRILL_6.6MM_3XD	02899024	6,6 0.260	24,0 0.945	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315	140°	TiAIN	IT9
SD1103-0675-024-08R1 SD_DRILL_17/64_3XD	02899025	6,747 0.266	24,0 0.945	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315	140°	TiAIN	IT9
SD1103-0680-024-08R1 SD_DRILL_6.8MM_3XD	02899026	6,8 0.268	24,0 0.945	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315	140°	TiAIN	IT9

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM	Uç nokta açısı:	Kaplama	Delik toleransı
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç			
SD1103-0690-024-08R1 SD_DRILL_6.9MM_3XD	02899027	6,9 0.272	24,0 0.945	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315	140°	TiAIN	IT9
SD1103-0700-024-08R1 SD_DRILL_7.0MM_3XD	02899028	7,0 0.276	24,0 0.945	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315	140°	TiAIN	IT9
SD1103-0710-029-08R1 SD_DRILL_7.1MM_3XD	02899029	7,1 0.280	29,0 1.142	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315	140°	TiAIN	IT9
SD1103-0714-029-08R1 SD_DRILL_9/32_3XD	02899030	7,144 0.281	29,0 1.142	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315	140°	TiAIN	IT9
SD1103-0720-029-08R1 SD_DRILL_7.2MM_3XD	02899031	7,2 0.283	29,0 1.142	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315	140°	TiAIN	IT9
SD1103-0730-029-08R1 SD_DRILL_7.3MM_3XD	02899032	7,3 0.287	29,0 1.142	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315	140°	TiAIN	IT9
SD1103-0740-029-08R1 SD_DRILL_7.4MM_3XD	02899033	7,4 0.291	29,0 1.142	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315	140°	TiAIN	IT9
SD1103-0750-029-08R1 SD_DRILL_7.5MM_3XD	02899034	7,5 0.295	29,0 1.142	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315	140°	TiAIN	IT9
SD1103-0754-029-08R1 SD_DRILL_19/64_3XD	02899035	7,541 0.297	29,0 1.142	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315	140°	TiAIN	IT9
SD1103-0755-029-08R1 SD_DRILL_7.55MM_3XD	02899036	7,55 0.297	29,0 1.142	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315	140°	TiAIN	IT9
SD1103-0760-029-08R1 SD_DRILL_7.6MM_3XD	02899037	7,6 0.299	29,0 1.142	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315	140°	TiAIN	IT9
SD1103-0770-029-08R1 SD_DRILL_7.7MM_3XD	02899038	7,7 0.303	29,0 1.142	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315	140°	TiAIN	IT9
SD1103-0780-029-08R1 SD_DRILL_7.8MM_3XD	02899040	7,8 0.307	29,0 1.142	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315	140°	TiAIN	IT9
SD1103-0790-029-08R1 SD_DRILL_7.9MM_3XD	02899041	7,9 0.311	29,0 1.142	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315	140°	TiAIN	IT9
SD1103-0794-029-08R1 SD_DRILL_5/16_3XD	02899042	7,938 0.313	29,0 1.142	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315	140°	TiAIN	IT9
SD1103-0800-029-08R1 SD_DRILL_8.0MM_3XD	02899043	8,0 0.315	29,0 1.142	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315	140°	TiAIN	IT9
SD1103-0810-035-10R1 SD_DRILL_8.1MM_3XD	02899044	8,1 0.319	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT9
SD1103-0820-035-10R1 SD_DRILL_8.2MM_3XD	02899045	8,2 0.323	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT9
SD1103-0830-035-10R1 SD_DRILL_8.3MM_3XD	02899046	8,3 0.327	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT9
SD1103-0833-035-10R1 SD_DRILL_21/64_3XD	02899047	8,334 0.328	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT9
SD1103-0840-035-10R1 SD_DRILL_8.4MM_3XD	02899048	8,4 0.331	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT9
SD1103-0850-035-10R1 SD_DRILL_8.5MM_3XD	02899049	8,5 0.335	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT9
SD1103-0860-035-10R1 SD_DRILL_8.6MM_3XD	02899050	8,6 0.339	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT9
SD1103-0870-035-10R1 SD_DRILL_8.7MM_3XD	02899051	8,7 0.343	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT9
SD1103-0873-035-10R1 SD_DRILL_11/32_3XD	02899052	8,731 0.344	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT9
SD1103-0880-035-10R1 SD_DRILL_8.8MM_3XD	02899053	8,8 0.346	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT9
SD1103-0890-035-10R1 SD_DRILL_8.9MM_3XD	02899054	8,9 0.350	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT9
SD1103-0900-035-10R1 SD_DRILL_9.0MM_3XD	02899055	9,0 0.354	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT9
SD1103-0910-035-10R1 SD_DRILL_9.1MM_3XD	02899056	9,1 0.358	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT9
SD1103-0913-035-10R1 SD_DRILL_23/64_3XD	02899058	9,128 0.359	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT9
SD1103-0920-035-10R1 SD_DRILL_9.2MM_3XD	02899059	9,2 0.362	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT9

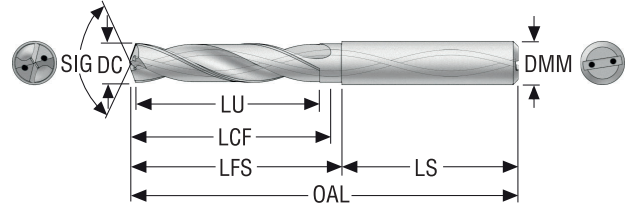
Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM	Uç nokta açısı:	Kaplama	Delik toleransı
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç			
SD1103-0930-035-10R1 SD_DRILL_9.3MM_3XD	02899060	9,3 0.366	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT9
SD1103-0940-035-10R1 SD_DRILL_9.4MM_3XD	02899061	9,4 0.370	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT9
SD1103-0950-035-10R1 SD_DRILL_9.5MM_3XD	02899062	9,5 0.374	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT9
SD1103-0953-035-10R1 SD_DRILL_3/8_3XD	02899063	9,525 0.375	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT9
SD1103-0955-035-10R1 SD_DRILL_9.55MM_3XD	02899064	9,55 0.376	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT9
SD1103-0960-035-10R1 SD_DRILL_9.6MM_3XD	02899065	9,6 0.378	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT9
SD1103-0970-035-10R1 SD_DRILL_9.7MM_3XD	02899066	9,7 0.382	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT9
SD1103-0980-035-10R1 SD_DRILL_9.8MM_3XD	02899067	9,8 0.386	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT9
SD1103-0990-035-10R1 SD_DRILL_9.9MM_3XD	02899068	9,9 0.390	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT9
SD1103-0992-035-10R1 SD_DRILL_25/64_3XD	02899069	9,922 0.391	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT9
SD1103-1000-035-10R1 SD_DRILL_10.0MM_3XD	02899070	10,0 0.394	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT9
SD1103-1020-040-12R1 SD_DRILL_10.2MM_3XD	02899071	10,2 0.402	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT9
SD1103-1032-040-12R1 SD_DRILL_13/32_3XD	02899072	10,319 0.406	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT9
SD1103-1040-040-12R1 SD_DRILL_10.4MM_3XD	02899073	10,4 0.409	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT9
SD1103-1050-040-12R1 SD_DRILL_10.5MM_3XD	02899074	10,5 0.413	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT9
SD1103-1060-040-12R1 SD_DRILL_10.6MM_3XD	02899075	10,6 0.417	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT9
SD1103-1072-040-12R1 SD_DRILL_27/64_3XD	02899076	10,716 0.422	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT9
SD1103-1080-040-12R1 SD_DRILL_10.8MM_3XD	02899077	10,8 0.425	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT9
SD1103-1090-040-12R1 SD_DRILL_10.9MM_3XD	02899078	10,9 0.429	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT9
SD1103-1100-040-12R1 SD_DRILL_11.0MM_3XD	02899079	11,0 0.433	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT9
SD1103-1110-040-12R1 SD_DRILL_11.1MM_3XD	02899080	11,1 0.437	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT9
SD1103-1111-040-12R1 SD_DRILL_7/16_3XD	02899081	11,113 0.438	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT9
SD1103-1120-040-12R1 SD_DRILL_11.2MM_3XD	02899082	11,2 0.441	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT9
SD1103-1130-040-12R1 SD_DRILL_11.3MM_3XD	02899083	11,3 0.445	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT9
SD1103-1140-040-12R1 SD_DRILL_11.4MM_3XD	02899084	11,4 0.449	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT9
SD1103-1150-040-12R1 SD_DRILL_11.5MM_3XD	02899085	11,5 0.453	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT9
SD1103-1151-040-12R1 SD_DRILL_29/64_3XD	02899086	11,509 0.453	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT9
SD1103-1155-040-12R1 SD_DRILL_11.55MM_3XD	02899087	11,55 0.455	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT9
SD1103-1160-040-12R1 SD_DRILL_11.6MM_3XD	02899088	11,6 0.457	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT9
SD1103-1170-040-12R1 SD_DRILL_11.7MM_3XD	02899089	11,7 0.461	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT9
SD1103-1180-040-12R1 SD_DRILL_11.8MM_3XD	02899090	11,8 0.465	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT9

Giriş	Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM	Uç nokta açısı:	Kaplama	Delik toleransı
			mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç			
Delme	SD1103-1190-040-12R1 SD_DRILL_11.9MM_3XD	02899091	11,9 0.469	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT9
	SD1103-1191-040-12R1 SD_DRILL_15/32_3XD	02899092	11,906 0.469	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT9
	SD1103-1200-040-12R1 SD_DRILL_12.0MM_3XD	02899093	12,0 0.472	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT9
	SD1103-1210-043-14R1 SD_DRILL_12.1MM_3XD	02899094	12,1 0.476	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT9
	SD1103-1220-043-14R1 SD_DRILL_12.2MM_3XD	02899095	12,2 0.480	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT9
	SD1103-1230-043-14R1 SD_DRILL_31/64_3XD	02899096	12,303 0.484	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT9
	SD1103-1240-043-14R1 SD_DRILL_12.4MM_3XD	02899097	12,4 0.488	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT9
	SD1103-1250-043-14R1 SD_DRILL_12.5MM_3XD	02899098	12,5 0.492	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT9
	SD1103-1260-043-14R1 SD_DRILL_12.6MM_3XD	02899099	12,6 0.496	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT9
	SD1103-1270-043-14R1 SD_DRILL_1/2_3XD	02899100	12,7 0.500	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT9
	SD1103-1275-043-14R1 SD_DRILL_12.75MM_3XD	02899101	12,75 0.502	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT9
	SD1103-1280-043-14R1 SD_DRILL_12.8MM_3XD	02899102	12,8 0.504	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT9
	SD1103-1290-043-14R1 SD_DRILL_12.9MM_3XD	02899103	12,9 0.508	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT9
	SD1103-1300-043-14R1 SD_DRILL_13.0MM_3XD	02899104	13,0 0.512	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT9
	SD1103-1310-043-14R1 SD_DRILL_33/64_3XD	02899105	13,1 0.516	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT9
	SD1103-1320-043-14R1 SD_DRILL_13.2MM_3XD	02899106	13,2 0.520	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT9
	SD1103-1330-043-14R1 SD_DRILL_13.3MM_3XD	02899107	13,3 0.524	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT9
	SD1103-1340-043-14R1 SD_DRILL_13.4MM_3XD	02899108	13,4 0.528	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT9
	SD1103-1349-043-14R1 SD_DRILL_17/32_3XD	02899109	13,494 0.531	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT9
	SD1103-1350-043-14R1 SD_DRILL_13.5MM_3XD	02899110	13,5 0.531	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT9
	SD1103-1360-043-14R1 SD_DRILL_13.6MM_3XD	02899111	13,6 0.535	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT9
	SD1103-1370-043-14R1 SD_DRILL_13.7MM_3XD	02899112	13,7 0.539	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT9
SD1103-1380-043-14R1 SD_DRILL_13.8MM_3XD	02899113	13,8 0.543	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT9	
SD1103-1390-043-14R1 SD_DRILL_35/64_3XD	02899114	13,9 0.547	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT9	
SD1103-1400-043-14R1 SD_DRILL_14.0MM_3XD	02899115	14,0 0.551	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT9	
SD1103-1420-045-16R1 SD_DRILL_14.2MM_3XD	02899116	14,2 0.559	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630	140°	TiAIN	IT9	
SD1103-1429-045-16R1 SD_DRILL_9/16_3XD	02899117	14,288 0.563	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630	140°	TiAIN	IT9	
SD1103-1450-045-16R1 SD_DRILL_14.5MM_3XD	02899119	14,5 0.571	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630	140°	TiAIN	IT9	
SD1103-1470-045-16R1 SD_DRILL_14.7MM_3XD	02899120	14,7 0.579	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630	140°	TiAIN	IT9	
SD1103-1475-045-16R1 SD_DRILL_14.75MM_3XD	02899121	14,75 0.581	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630	140°	TiAIN	IT9	
SD1103-1480-045-16R1 SD_DRILL_14.8MM_3XD	02899122	14,8 0.583	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630	140°	TiAIN	IT9	

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM	Uç nokta açısı:	Kaplama	Delik toleransı
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç			
SD1103-1500-045-16R1 SD_DRILL_15.0MM_3XD	02899123	15,0 0.591	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630	140°	TiAIN	IT9
SD1103-1510-045-16R1 SD_DRILL_15.1MM_3XD	02899124	15,1 0.594	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630	140°	TiAIN	IT9
SD1103-1530-045-16R1 SD_DRILL_15.3MM_3XD	02899125	15,3 0.602	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630	140°	TiAIN	IT9
SD1103-1550-045-16R1 SD_DRILL_15.5MM_3XD	02899126	15,5 0.610	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630	140°	TiAIN	IT9
SD1103-1570-045-16R1 SD_DRILL_15.7MM_3XD	02899127	15,7 0.618	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630	140°	TiAIN	IT9
SD1103-1580-045-16R1 SD_DRILL_15.8MM_3XD	02899128	15,8 0.622	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630	140°	TiAIN	IT9
SD1103-1588-045-16R1 SD_DRILL_5/8_3XD	02899129	15,875 0.625	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630	140°	TiAIN	IT9
SD1103-1600-045-16R1 SD_DRILL_16.0MM_3XD	02899130	16,0 0.630	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630	140°	TiAIN	IT9
SD1103-1650-051-18R1 SD_DRILL_16.5MM_3XD	02899131	16,5 0.650	51,0 2.008	123,0 4.843	75,0 2.953	48,0 1.890	73,0 2.874	18,0 0.709	140°	TiAIN	IT9
SD1103-1700-051-18R1 SD_DRILL_17.0MM_3XD	02899132	17,0 0.669	51,0 2.008	123,0 4.843	75,0 2.953	48,0 1.890	73,0 2.874	18,0 0.709	140°	TiAIN	IT9
SD1103-1750-051-18R1 SD_DRILL_17.5MM_3XD	02899133	17,5 0.689	51,0 2.008	123,0 4.843	75,0 2.953	48,0 1.890	73,0 2.874	18,0 0.709	140°	TiAIN	IT9
SD1103-1800-051-18R1 SD_DRILL_18.0MM_3XD	02899134	18,0 0.709	51,0 2.008	123,0 4.843	75,0 2.953	48,0 1.890	73,0 2.874	18,0 0.709	140°	TiAIN	IT9
SD1103-1850-055-20R1 SD_DRILL_18.5MM_3XD	02899135	18,5 0.728	55,0 2.165	131,0 5.157	81,0 3.189	50,0 1.969	79,0 3.110	20,0 0.787	140°	TiAIN	IT9
SD1103-1900-055-20R1 SD_DRILL_19.0MM_3XD	02899136	19,0 0.748	55,0 2.165	131,0 5.157	81,0 3.189	50,0 1.969	79,0 3.110	20,0 0.787	140°	TiAIN	IT9
SD1103-1905-055-20R1 SD_DRILL_3/4_3XD	02899137	19,05 0.750	55,0 2.165	131,0 5.157	81,0 3.189	50,0 1.969	79,0 3.110	20,0 0.787	140°	TiAIN	IT9
SD1103-1950-055-20R1 SD_DRILL_19.5MM_3XD	02899138	19,5 0.768	55,0 2.165	131,0 5.157	81,0 3.189	50,0 1.969	79,0 3.110	20,0 0.787	140°	TiAIN	IT9
SD1103-2000-055-20R1 SD_DRILL_20.0MM_3XD	02899139	20,0 0.787	55,0 2.165	131,0 5.157	81,0 3.189	50,0 1.969	79,0 3.110	20,0 0.787	140°	TiAIN	IT9

SD1103A

Delme derinliği ~ 3 x D



- Silindirik sap DIN 6537A
- Tolerans DC m7
- İçten soğutma sıvısı
- Kesme verileri için, bakınız sayfa 143
- Ara çaplar için lütfen Özel Tasarım programına bakınız

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM	Uç nokta açısı:	Kaplama	Delik toleransı
		mm Inç	mm Inç	mm Inç	mm Inç	mm Inç	mm Inç	mm Inç			
SD1103A-0300-014-06R1 SD_DRILL_3.0MM_3XD_A	02898244	3,0 0.118	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236	140°	TiAIN	IT8-9
SD1103A-0310-014-06R1 SD_DRILL_3.1MM_3XD_A	02898245	3,1 0.122	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236	140°	TiAIN	IT8-9
SD1103A-0318-014-06R1 SD_DRILL_1/8_3XD_A	02898246	3,175 0.125	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236	140°	TiAIN	IT8-9
SD1103A-0320-014-06R1 SD_DRILL_3.2MM_3XD_A	02898247	3,2 0.126	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236	140°	TiAIN	IT8-9
SD1103A-0325-014-06R1 SD_DRILL_3.25MM_3XD_A	02898248	3,25 0.128	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236	140°	TiAIN	IT8-9
SD1103A-0330-014-06R1 SD_DRILL_3.3MM_3XD_A	02898249	3,3 0.130	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236	140°	TiAIN	IT8-9
SD1103A-0340-014-06R1 SD_DRILL_3.4MM_3XD_A	02898250	3,4 0.134	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236	140°	TiAIN	IT8-9
SD1103A-0350-014-06R1 SD_DRILL_3.5MM_3XD_A	02898251	3,5 0.138	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236	140°	TiAIN	IT8-9
SD1103A-0357-014-06R1 SD_DRILL_9/64_3XD_A	02898252	3,572 0.141	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236	140°	TiAIN	IT8-9
SD1103A-0360-014-06R1 SD_DRILL_3.6MM_3XD_A	02898253	3,6 0.142	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236	140°	TiAIN	IT8-9
SD1103A-0365-014-06R1 SD_DRILL_3.65MM_3XD_A	02898254	3,65 0.144	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236	140°	TiAIN	IT8-9
SD1103A-0370-014-06R1 SD_DRILL_3.7MM_3XD_A	02898255	3,7 0.146	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236	140°	TiAIN	IT8-9
SD1103A-0380-017-06R1 SD_DRILL_3.8MM_3XD_A	02898256	3,8 0.150	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236	140°	TiAIN	IT8-9
SD1103A-0390-017-06R1 SD_DRILL_3.9MM_3XD_A	02898257	3,9 0.154	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236	140°	TiAIN	IT8-9
SD1103A-0397-017-06R1 SD_DRILL_5/32_3XD_A	02898258	3,969 0.156	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236	140°	TiAIN	IT8-9
SD1103A-0400-017-06R1 SD_DRILL_4.0MM_3XD_A	02898259	4,0 0.157	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236	140°	TiAIN	IT8-9
SD1103A-0410-017-06R1 SD_DRILL_4.1MM_3XD_A	02898260	4,1 0.161	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236	140°	TiAIN	IT8-9
SD1103A-0420-017-06R1 SD_DRILL_4.2MM_3XD_A	02898261	4,2 0.165	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236	140°	TiAIN	IT8-9
SD1103A-0430-017-06R1 SD_DRILL_4.3MM_3XD_A	02898262	4,3 0.169	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236	140°	TiAIN	IT8-9
SD1103A-0437-017-06R1 SD_DRILL_11/64_3XD_A	02898263	4,366 0.172	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236	140°	TiAIN	IT8-9
SD1103A-0450-017-06R1 SD_DRILL_4.5MM_3XD_A	02898264	4,5 0.177	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236	140°	TiAIN	IT8-9

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM	Uç nokta açısı:	Kaplama	Delik toleransı
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç			
SD1103A-0460-017-06R1 SD_DRILL_4.6MM_3XD_A	02898265	4,6 0.181	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236	140°	TiAIN	IT8-9
SD1103A-0465-017-06R1 SD_DRILL_4.65MM_3XD_A	02898266	4,65 0.183	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236	140°	TiAIN	IT8-9
SD1103A-0470-017-06R1 SD_DRILL_4.7MM_3XD_A	02898267	4,7 0.185	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236	140°	TiAIN	IT8-9
SD1103A-0476-020-06R1 SD_DRILL_3/16_3XD_A	02898268	4,763 0.188	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	140°	TiAIN	IT8-9
SD1103A-0480-020-06R1 SD_DRILL_4.8MM_3XD_A	02898269	4,8 0.189	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	140°	TiAIN	IT8-9
SD1103A-0490-020-06R1 SD_DRILL_4.9MM_3XD_A	02898270	4,9 0.193	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	140°	TiAIN	IT8-9
SD1103A-0500-020-06R1 SD_DRILL_5.0MM_3XD_A	02898271	5,0 0.197	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	140°	TiAIN	IT8-9
SD1103A-0510-020-06R1 SD_DRILL_5.1MM_3XD_A	02898272	5,1 0.201	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	140°	TiAIN	IT8-9
SD1103A-0516-020-06R1 SD_DRILL_13/64_3XD_A	02898273	5,159 0.203	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	140°	TiAIN	IT8-9
SD1103A-0520-020-06R1 SD_DRILL_5.2MM_3XD_A	02898275	5,2 0.205	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	140°	TiAIN	IT8-9
SD1103A-0530-020-06R1 SD_DRILL_5.3MM_3XD_A	02898276	5,3 0.209	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	140°	TiAIN	IT8-9
SD1103A-0540-020-06R1 SD_DRILL_5.4MM_3XD_A	02898277	5,4 0.213	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	140°	TiAIN	IT8-9
SD1103A-0550-020-06R1 SD_DRILL_5.5MM_3XD_A	02898278	5,5 0.217	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	140°	TiAIN	IT8-9
SD1103A-0555-020-06R1 SD_DRILL_5.55MM_3XD_A	02898279	5,55 0.219	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	140°	TiAIN	IT8-9
SD1103A-0556-020-06R1 SD_DRILL_7/32_3XD_A	02898280	5,556 0.219	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	140°	TiAIN	IT8-9
SD1103A-0560-020-06R1 SD_DRILL_5.6MM_3XD_A	02898281	5,6 0.220	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	140°	TiAIN	IT8-9
SD1103A-0570-020-06R1 SD_DRILL_5.7MM_3XD_A	02898282	5,7 0.224	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	140°	TiAIN	IT8-9
SD1103A-0580-020-06R1 SD_DRILL_5.8MM_3XD_A	02898283	5,8 0.228	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	140°	TiAIN	IT8-9
SD1103A-0590-020-06R1 SD_DRILL_5.9MM_3XD_A	02898284	5,9 0.232	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	140°	TiAIN	IT8-9
SD1103A-0595-020-06R1 SD_DRILL_15/64_3XD_A	02898285	5,953 0.234	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	140°	TiAIN	IT8-9
SD1103A-0600-020-06R1 SD_DRILL_6.0MM_3XD_A	02898286	6,0 0.236	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	140°	TiAIN	IT8-9
SD1103A-0610-024-08R1 SD_DRILL_6.1MM_3XD_A	02898287	6,1 0.240	24,0 0.945	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315	140°	TiAIN	IT8-9
SD1103A-0620-024-08R1 SD_DRILL_6.2MM_3XD_A	02898288	6,2 0.244	24,0 0.945	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315	140°	TiAIN	IT8-9
SD1103A-0630-024-08R1 SD_DRILL_6.3MM_3XD_A	02898289	6,3 0.248	24,0 0.945	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315	140°	TiAIN	IT8-9
SD1103A-0635-024-08R1 SD_DRILL_1/4_3XD_A	02898290	6,35 0.250	24,0 0.945	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315	140°	TiAIN	IT8-9
SD1103A-0640-024-08R1 SD_DRILL_6.4MM_3XD_A	02898291	6,4 0.252	24,0 0.945	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315	140°	TiAIN	IT8-9
SD1103A-0650-024-08R1 SD_DRILL_6.5MM_3XD_A	02898292	6,5 0.256	24,0 0.945	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315	140°	TiAIN	IT8-9
SD1103A-0660-024-08R1 SD_DRILL_6.6MM_3XD_A	02898293	6,6 0.260	24,0 0.945	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315	140°	TiAIN	IT8-9
SD1103A-0670-024-08R1 SD_DRILL_6.7MM_3XD_A	02898294	6,7 0.264	24,0 0.945	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315	140°	TiAIN	IT8-9
SD1103A-0675-024-08R1 SD_DRILL_17/64_3XD_A	02898295	6,747 0.266	24,0 0.945	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315	140°	TiAIN	IT8-9
SD1103A-0680-024-08R1 SD_DRILL_6.8MM_3XD_A	02898296	6,8 0.268	24,0 0.945	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315	140°	TiAIN	IT8-9

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM	Uç nokta açısı:	Kaplama	Delik toleransı
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	°		
SD1103A-0690-024-08R1 SD_DRILL_6.9MM_3XD_A	02898297	6,9 0.272	24,0 0.945	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315	140°	TiAIN	IT8-9
SD1103A-0700-024-08R1 SD_DRILL_7.0MM_3XD_A	02898298	7,0 0.276	24,0 0.945	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315	140°	TiAIN	IT8-9
SD1103A-0710-029-08R1 SD_DRILL_7.1MM_3XD_A	02898299	7,1 0.280	29,0 1.142	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315	140°	TiAIN	IT8-9
SD1103A-0714-029-08R1 SD_DRILL_9/32_3XD_A	02898300	7,144 0.281	29,0 1.142	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315	140°	TiAIN	IT8-9
SD1103A-0720-029-08R1 SD_DRILL_7.2MM_3XD_A	02898301	7,2 0.283	29,0 1.142	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315	140°	TiAIN	IT8-9
SD1103A-0730-029-08R1 SD_DRILL_7.3MM_3XD_A	02898302	7,3 0.287	29,0 1.142	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315	140°	TiAIN	IT8-9
SD1103A-0740-029-08R1 SD_DRILL_7.4MM_3XD_A	02898303	7,4 0.291	29,0 1.142	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315	140°	TiAIN	IT8-9
SD1103A-0750-029-08R1 SD_DRILL_7.5MM_3XD_A	02898304	7,5 0.295	29,0 1.142	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315	140°	TiAIN	IT8-9
SD1103A-0754-029-08R1 SD_DRILL_19/64_3XD_A	02898305	7,541 0.297	29,0 1.142	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315	140°	TiAIN	IT8-9
SD1103A-0755-029-08R1 SD_DRILL_7.55MM_3XD_A	02898306	7,55 0.297	29,0 1.142	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315	140°	TiAIN	IT8-9
SD1103A-0760-029-08R1 SD_DRILL_7.6MM_3XD_A	02898307	7,6 0.299	29,0 1.142	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315	140°	TiAIN	IT8-9
SD1103A-0770-029-08R1 SD_DRILL_7.7MM_3XD_A	02898308	7,7 0.303	29,0 1.142	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315	140°	TiAIN	IT8-9
SD1103A-0780-029-08R1 SD_DRILL_7.8MM_3XD_A	02898309	7,8 0.307	29,0 1.142	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315	140°	TiAIN	IT8-9
SD1103A-0790-029-08R1 SD_DRILL_7.9MM_3XD_A	02898310	7,9 0.311	29,0 1.142	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315	140°	TiAIN	IT8-9
SD1103A-0794-029-08R1 SD_DRILL_5/16_3XD_A	02898311	7,938 0.313	29,0 1.142	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315	140°	TiAIN	IT8-9
SD1103A-0800-029-08R1 SD_DRILL_8.0MM_3XD_A	02898312	8,0 0.315	29,0 1.142	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315	140°	TiAIN	IT8-9
SD1103A-0810-035-10R1 SD_DRILL_8.1MM_3XD_A	02898313	8,1 0.319	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT8-9
SD1103A-0820-035-10R1 SD_DRILL_8.2MM_3XD_A	02898314	8,2 0.323	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT8-9
SD1103A-0830-035-10R1 SD_DRILL_8.3MM_3XD_A	02898315	8,3 0.327	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT8-9
SD1103A-0833-035-10R1 SD_DRILL_21/64_3XD_A	02898316	8,334 0.328	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT8-9
SD1103A-0840-035-10R1 SD_DRILL_8.4MM_3XD_A	02898317	8,4 0.331	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT8-9
SD1103A-0850-035-10R1 SD_DRILL_8.5MM_3XD_A	02898318	8,5 0.335	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT8-9
SD1103A-0860-035-10R1 SD_DRILL_8.6MM_3XD_A	02898319	8,6 0.339	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT8-9
SD1103A-0870-035-10R1 SD_DRILL_8.7MM_3XD_A	02898320	8,7 0.343	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT8-9
SD1103A-0873-035-10R1 SD_DRILL_11/32_3XD_A	02898321	8,731 0.344	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT8-9
SD1103A-0880-035-10R1 SD_DRILL_8.8MM_3XD_A	02898322	8,8 0.346	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT8-9
SD1103A-0890-035-10R1 SD_DRILL_8.9MM_3XD_A	02898323	8,9 0.350	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT8-9
SD1103A-0900-035-10R1 SD_DRILL_9.0MM_3XD_A	02898324	9,0 0.354	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT8-9
SD1103A-0910-035-10R1 SD_DRILL_9.1MM_3XD_A	02898325	9,1 0.358	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT8-9
SD1103A-0913-035-10R1 SD_DRILL_23/64_3XD_A	02898326	9,128 0.359	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT8-9
SD1103A-0920-035-10R1 SD_DRILL_9.2MM_3XD_A	02898327	9,2 0.362	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT8-9

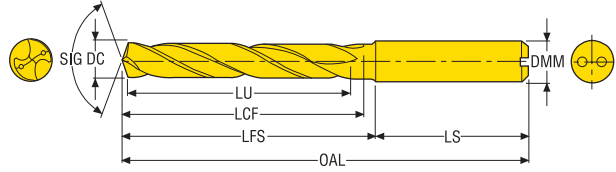
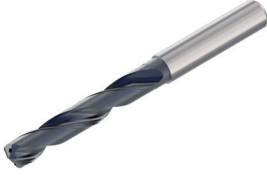
Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM	Uç nokta açısı:	Kaplama	Delik toleransı
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç			
SD1103A-0930-035-10R1 SD_DRILL_9.3MM_3XD_A	02898328	9,3 0.366	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT8-9
SD1103A-0940-035-10R1 SD_DRILL_9.4MM_3XD_A	02898329	9,4 0.370	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT8-9
SD1103A-0950-035-10R1 SD_DRILL_9.5MM_3XD_A	02898330	9,5 0.374	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT8-9
SD1103A-0953-035-10R1 SD_DRILL_3/8_3XD_A	02898331	9,525 0.375	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT8-9
SD1103A-0955-035-10R1 SD_DRILL_9.55MM_3XD_A	02898332	9,55 0.376	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT8-9
SD1103A-0960-035-10R1 SD_DRILL_9.6MM_3XD_A	02898333	9,6 0.378	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT8-9
SD1103A-0970-035-10R1 SD_DRILL_9.7MM_3XD_A	02898334	9,7 0.382	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT8-9
SD1103A-0980-035-10R1 SD_DRILL_9.8MM_3XD_A	02898335	9,8 0.386	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT8-9
SD1103A-0990-035-10R1 SD_DRILL_9.9MM_3XD_A	02898336	9,9 0.390	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT8-9
SD1103A-0992-035-10R1 SD_DRILL_25/64_3XD_A	02898337	9,922 0.391	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT8-9
SD1103A-1000-035-10R1 SD_DRILL_10.0MM_3XD_A	02898338	10,0 0.394	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394	140°	TiAIN	IT8-9
SD1103A-1020-040-12R1 SD_DRILL_10.2MM_3XD_A	02898339	10,2 0.402	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT8-9
SD1103A-1032-040-12R1 SD_DRILL_13/32_3XD_A	02898340	10,319 0.406	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT8-9
SD1103A-1040-040-12R1 SD_DRILL_10.4MM_3XD_A	02898341	10,4 0.409	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT8-9
SD1103A-1050-040-12R1 SD_DRILL_10.5MM_3XD_A	02898342	10,5 0.413	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT8-9
SD1103A-1060-040-12R1 SD_DRILL_10.6MM_3XD_A	02898343	10,6 0.417	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT8-9
SD1103A-1072-040-12R1 SD_DRILL_27/64_3XD_A	02898344	10,716 0.422	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT8-9
SD1103A-1080-040-12R1 SD_DRILL_10.8MM_3XD_A	02898345	10,8 0.425	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT8-9
SD1103A-1090-040-12R1 SD_DRILL_10.9MM_3XD_A	02898346	10,9 0.429	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT8-9
SD1103A-1100-040-12R1 SD_DRILL_11.0MM_3XD_A	02898347	11,0 0.433	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT8-9
SD1103A-1110-040-12R1 SD_DRILL_11.1MM_3XD_A	02898348	11,1 0.437	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT8-9
SD1103A-1111-040-12R1 SD_DRILL_7/16_3XD_A	02898349	11,113 0.438	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT8-9
SD1103A-1120-040-12R1 SD_DRILL_11.2MM_3XD_A	02898350	11,2 0.441	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT8-9
SD1103A-1130-040-12R1 SD_DRILL_11.3MM_3XD_A	02898351	11,3 0.445	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT8-9
SD1103A-1140-040-12R1 SD_DRILL_11.4MM_3XD_A	02898352	11,4 0.449	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT8-9
SD1103A-1150-040-12R1 SD_DRILL_11.5MM_3XD_A	02898353	11,5 0.453	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT8-9
SD1103A-1151-040-12R1 SD_DRILL_29/64_3XD_A	02898354	11,509 0.453	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT8-9
SD1103A-1155-040-12R1 SD_DRILL_11.55MM_3XD_A	02898355	11,55 0.455	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT8-9
SD1103A-1160-040-12R1 SD_DRILL_11.6MM_3XD_A	02898356	11,6 0.457	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT8-9
SD1103A-1170-040-12R1 SD_DRILL_11.7MM_3XD_A	02898357	11,7 0.461	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT8-9
SD1103A-1180-040-12R1 SD_DRILL_11.8MM_3XD_A	02898358	11,8 0.465	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT8-9

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM	Uç nokta açısı:	Kaplama	Delik toleransı
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç			
SD1103A-1190-040-12R1 SD_DRILL_11.9MM_3XD_A	02898359	11,9 0.469	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT8-9
SD1103A-1191-040-12R1 SD_DRILL_15/32_3XD_A	02898360	11,906 0.469	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT8-9
SD1103A-1200-040-12R1 SD_DRILL_12.0MM_3XD_A	02898361	12,0 0.472	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472	140°	TiAIN	IT8-9
SD1103A-1210-043-14R1 SD_DRILL_12.1MM_3XD_A	02898362	12,1 0.476	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT8-9
SD1103A-1220-043-14R1 SD_DRILL_12.2MM_3XD_A	02898363	12,2 0.480	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT8-9
SD1103A-1230-043-14R1 SD_DRILL_31/64_3XD_A	02898364	12,303 0.484	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT8-9
SD1103A-1240-043-14R1 SD_DRILL_12.4MM_3XD_A	02898365	12,4 0.488	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT8-9
SD1103A-1250-043-14R1 SD_DRILL_12.5MM_3XD_A	02898366	12,5 0.492	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT8-9
SD1103A-1260-043-14R1 SD_DRILL_12.6MM_3XD_A	02898367	12,6 0.496	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT8-9
SD1103A-1270-043-14R1 SD_DRILL_1/2_3XD_A	02898368	12,7 0.500	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT8-9
SD1103A-1275-043-14R1 SD_DRILL_12.75MM_3XD_A	02898369	12,75 0.502	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT8-9
SD1103A-1280-043-14R1 SD_DRILL_12.8MM_3XD_A	02898370	12,8 0.504	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT8-9
SD1103A-1290-043-14R1 SD_DRILL_12.9MM_3XD_A	02898371	12,9 0.508	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT8-9
SD1103A-1300-043-14R1 SD_DRILL_13.0MM_3XD_A	02898372	13,0 0.512	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT8-9
SD1103A-1310-043-14R1 SD_DRILL_33/64_3XD_A	02898373	13,1 0.516	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT8-9
SD1103A-1320-043-14R1 SD_DRILL_13.2MM_3XD_A	02898374	13,2 0.520	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT8-9
SD1103A-1330-043-14R1 SD_DRILL_13.3MM_3XD_A	02898375	13,3 0.524	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT8-9
SD1103A-1340-043-14R1 SD_DRILL_13.4MM_3XD_A	02898376	13,4 0.528	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT8-9
SD1103A-1349-043-14R1 SD_DRILL_17/32_3XD_A	02898377	13,494 0.531	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT8-9
SD1103A-1350-043-14R1 SD_DRILL_13.5MM_3XD_A	02898378	13,5 0.531	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT8-9
SD1103A-1360-043-14R1 SD_DRILL_13.6MM_3XD_A	02898379	13,6 0.535	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT8-9
SD1103A-1370-043-14R1 SD_DRILL_13.7MM_3XD_A	02898380	13,7 0.539	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT8-9
SD1103A-1380-043-14R1 SD_DRILL_13.8MM_3XD_A	02898381	13,8 0.543	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT8-9
SD1103A-1390-043-14R1 SD_DRILL_13.9MM_3XD_A	02898382	13,9 0.547	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT8-9
SD1103A-1400-043-14R1 SD_DRILL_14.0MM_3XD_A	02898383	14,0 0.551	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551	140°	TiAIN	IT8-9
SD1103A-1420-045-16R1 SD_DRILL_14.2MM_3XD_A	02898384	14,2 0.559	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630	140°	TiAIN	IT8-9
SD1103A-1429-045-16R1 SD_DRILL_9/16_3XD_A	02898385	14,288 0.563	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630	140°	TiAIN	IT8-9
SD1103A-1450-045-16R1 SD_DRILL_14.5MM_3XD_A	02898386	14,5 0.571	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630	140°	TiAIN	IT8-9
SD1103A-1470-045-16R1 SD_DRILL_14.7MM_3XD_A	02898387	14,7 0.579	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630	140°	TiAIN	IT8-9
SD1103A-1475-045-16R1 SD_DRILL_14.75MM_3XD_A	02898388	14,75 0.581	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630	140°	TiAIN	IT8-9
SD1103A-1480-045-16R1 SD_DRILL_14.8MM_3XD_A	02898389	14,8 0.583	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630	140°	TiAIN	IT8-9

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM	Uç nokta açısı:	Kaplama	Delik toleransı
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç			
SD1103A-1500-045-16R1 SD_DRILL_15.0MM_3XD_A	02898390	15,0 0.591	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630	140°	TiAIN	IT8-9
SD1103A-1510-045-16R1 SD_DRILL_15.1MM_3XD_A	02898391	15,1 0.594	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630	140°	TiAIN	IT8-9
SD1103A-1530-045-16R1 SD_DRILL_15.3MM_3XD_A	02898392	15,3 0.602	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630	140°	TiAIN	IT8-9
SD1103A-1550-045-16R1 SD_DRILL_15.5MM_3XD_A	02898393	15,5 0.610	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630	140°	TiAIN	IT8-9
SD1103A-1570-045-16R1 SD_DRILL_15.7MM_3XD_A	02898394	15,7 0.618	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630	140°	TiAIN	IT8-9
SD1103A-1580-045-16R1 SD_DRILL_15.8MM_3XD_A	02898395	15,8 0.622	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630	140°	TiAIN	IT8-9
SD1103A-1588-045-16R1 SD_DRILL_5/8_3XD_A	02898396	15,875 0.625	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630	140°	TiAIN	IT8-9
SD1103A-1600-045-16R1 SD_DRILL_16.0MM_3XD_A	02898397	16,0 0.630	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630	140°	TiAIN	IT8-9
SD1103A-1650-051-18R1 SD_DRILL_16.5MM_3XD_A	02898398	16,5 0.650	51,0 2.008	123,0 4.843	75,0 2.953	48,0 1.890	73,0 2.874	18,0 0.709	140°	TiAIN	IT8-9
SD1103A-1700-051-18R1 SD_DRILL_17.0MM_3XD_A	02898399	17,0 0.669	51,0 2.008	123,0 4.843	75,0 2.953	48,0 1.890	73,0 2.874	18,0 0.709	140°	TiAIN	IT8-9
SD1103A-1750-051-18R1 SD_DRILL_17.5MM_3XD_A	02898400	17,5 0.689	51,0 2.008	123,0 4.843	75,0 2.953	48,0 1.890	73,0 2.874	18,0 0.709	140°	TiAIN	IT8-9
SD1103A-1800-051-18R1 SD_DRILL_18.0MM_3XD_A	02898401	18,0 0.709	51,0 2.008	123,0 4.843	75,0 2.953	48,0 1.890	73,0 2.874	18,0 0.709	140°	TiAIN	IT8-9
SD1103A-1850-055-20R1 SD_DRILL_18.5MM_3XD_A	02898402	18,5 0.728	55,0 2.165	131,0 5.157	81,0 3.189	50,0 1.969	79,0 3.110	20,0 0.787	140°	TiAIN	IT8-9
SD1103A-1900-055-20R1 SD_DRILL_19.0MM_3XD_A	02898403	19,0 0.748	55,0 2.165	131,0 5.157	81,0 3.189	50,0 1.969	79,0 3.110	20,0 0.787	140°	TiAIN	IT8-9
SD1103A-1905-055-20R1 SD_DRILL_3/4_3XD_A	02898404	19,05 0.750	55,0 2.165	131,0 5.157	81,0 3.189	50,0 1.969	79,0 3.110	20,0 0.787	140°	TiAIN	IT8-9
SD1103A-1950-055-20R1 SD_DRILL_19.5MM_3XD_A	02898405	19,5 0.768	55,0 2.165	131,0 5.157	81,0 3.189	50,0 1.969	79,0 3.110	20,0 0.787	140°	TiAIN	IT8-9
SD1103A-2000-055-20R1 SD_DRILL_20.0MM_3XD_A	02898406	20,0 0.787	55,0 2.165	131,0 5.157	81,0 3.189	50,0 1.969	79,0 3.110	20,0 0.787	140°	TiAIN	IT8-9

SD1105A

Delme derinliği ~ 5 x D



- Silindirik sap DIN 6537A
- İçten soğutma sıvısı
- Kesme verileri için, bakınız sayfa 144
- Ara çaplar için lütfen Özel Tasarım programına bakınız

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM	Tolerans DC	Uç nokta açısı:	Kaplama	Delik toleransı
SD1105A-0300-023-06R1 SD_DRILL_3.0MM_5XD_A	02897845	3,0 0.118	23,0 0.906	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	m7	140°	TiAIN	IT8-9
SD1105A-0310-023-06R1 SD_DRILL_3.1MM_5XD_A	02897846	3,1 0.122	23,0 0.906	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	m7	140°	TiAIN	IT8-9
SD1105A-0318-023-06R1 SD_DRILL_1/8_5XD_A	02897847	3,175 0.125	23,0 0.906	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	m7	140°	TiAIN	IT8-9
SD1105A-0320-023-06R1 SD_DRILL_3.2MM_5XD_A	02897848	3,2 0.126	23,0 0.906	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	m7	140°	TiAIN	IT8-9
SD1105A-0325-023-06R1 SD_DRILL_3.25MM_5XD_A	02897849	3,25 0.128	23,0 0.906	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	m7	140°	TiAIN	IT8-9
SD1105A-0330-023-06R1 SD_DRILL_3.3MM_5XD_A	02897850	3,3 0.130	23,0 0.906	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	m7	140°	TiAIN	IT8-9
SD1105A-0340-023-06R1 SD_DRILL_3.4MM_5XD_A	02897851	3,4 0.134	23,0 0.906	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	m7	140°	TiAIN	IT8-9
SD1105A-0350-023-06R1 SD_DRILL_3.5MM_5XD_A	02897852	3,5 0.138	23,0 0.906	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	m7	140°	TiAIN	IT8-9
SD1105A-0357-023-06R1 SD_DRILL_9/64_5XD_A	02897853	3,572 0.141	23,0 0.906	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	m7	140°	TiAIN	IT8-9
SD1105A-0360-023-06R1 SD_DRILL_3.6MM_5XD_A	02897854	3,6 0.142	23,0 0.906	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	m7	140°	TiAIN	IT8-9
SD1105A-0365-023-06R1 SD_DRILL_3.65MM_5XD_A	02897855	3,65 0.144	23,0 0.906	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	m7	140°	TiAIN	IT8-9
SD1105A-0370-023-06R1 SD_DRILL_3.7MM_5XD_A	02897856	3,7 0.146	23,0 0.906	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236	m7	140°	TiAIN	IT8-9
SD1105A-0380-029-06R1 SD_DRILL_3.8MM_5XD_A	02897857	3,8 0.150	29,0 1.142	74,0 2.913	38,0 1.496	36,0 1.417	36,0 1.417	6,0 0.236	m7	140°	TiAIN	IT8-9
SD1105A-0390-029-06R1 SD_DRILL_3.9MM_5XD_A	02897858	3,9 0.154	29,0 1.142	74,0 2.913	38,0 1.496	36,0 1.417	36,0 1.417	6,0 0.236	m7	140°	TiAIN	IT8-9
SD1105A-0397-029-06R1 SD_DRILL_5/32_5XD_A	02897859	3,969 0.156	29,0 1.142	74,0 2.913	38,0 1.496	36,0 1.417	36,0 1.417	6,0 0.236	m7	140°	TiAIN	IT8-9
SD1105A-0400-029-06R1 SD_DRILL_4.0MM_5XD_A	02897860	4,0 0.157	29,0 1.142	74,0 2.913	38,0 1.496	36,0 1.417	36,0 1.417	6,0 0.236	m7	140°	TiAIN	IT8-9
SD1105A-0410-029-06R1 SD_DRILL_4.1MM_5XD_A	02897861	4,1 0.161	29,0 1.142	74,0 2.913	38,0 1.496	36,0 1.417	36,0 1.417	6,0 0.236	m7	140°	TiAIN	IT8-9
SD1105A-0420-029-06R1 SD_DRILL_4.2MM_5XD_A	02897862	4,2 0.165	29,0 1.142	74,0 2.913	38,0 1.496	36,0 1.417	36,0 1.417	6,0 0.236	m7	140°	TiAIN	IT8-9
SD1105A-0430-029-06R1 SD_DRILL_4.3MM_5XD_A	02897863	4,3 0.169	29,0 1.142	74,0 2.913	38,0 1.496	36,0 1.417	36,0 1.417	6,0 0.236	m7	140°	TiAIN	IT8-9
SD1105A-0437-029-06R1 SD_DRILL_11/64_5XD_A	02897864	4,366 0.172	29,0 1.142	74,0 2.913	38,0 1.496	36,0 1.417	36,0 1.417	6,0 0.236	m7	140°	TiAIN	IT8-9
SD1105A-0440-029-06R1 SD_DRILL_4.4MM_5XD_A	02897865	4,4 0.173	29,0 1.142	74,0 2.913	38,0 1.496	36,0 1.417	36,0 1.417	6,0 0.236	m7	140°	TiAIN	IT8-9
SD1105A-0450-029-06R1 SD_DRILL_4.5MM_5XD_A	02897866	4,5 0.177	29,0 1.142	74,0 2.913	38,0 1.496	36,0 1.417	36,0 1.417	6,0 0.236	m7	140°	TiAIN	IT8-9

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM	Tolerans	Uç nokta açısı:	Kaplama	Delik toleransı
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç			
SD1105A-0460-029-06R1 SD_DRILL_4.6MM_5XD_A	02897867	4,6 0.181	29,0 1.142	74,0 2.913	38,0 1.496	36,0 1.417	36,0 1.417	6,0 0.236	m7	140°	TiAIN	IT8-9
SD1105A-0465-029-06R1 SD_DRILL_4.65MM_5XD_A	02897868	4,65 0.183	29,0 1.142	74,0 2.913	38,0 1.496	36,0 1.417	36,0 1.417	6,0 0.236	m7	140°	TiAIN	IT8-9
SD1105A-0470-029-06R1 SD_DRILL_4.7MM_5XD_A	02897869	4,7 0.185	29,0 1.142	74,0 2.913	38,0 1.496	36,0 1.417	36,0 1.417	6,0 0.236	m7	140°	TiAIN	IT8-9
SD1105A-0476-035-06R1 SD_DRILL_3/16_5XD_A	02897870	4,763 0.188	35,0 1.378	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236	m7	140°	TiAIN	IT8-9
SD1105A-0480-035-06R1 SD_DRILL_4.8MM_5XD_A	02897871	4,8 0.189	35,0 1.378	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236	m7	140°	TiAIN	IT8-9
SD1105A-0490-035-06R1 SD_DRILL_4.9MM_5XD_A	02897872	4,9 0.193	35,0 1.378	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236	m7	140°	TiAIN	IT8-9
SD1105A-0500-035-06R1 SD_DRILL_5.0MM_5XD_A	02897873	5,0 0.197	35,0 1.378	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236	m7	140°	TiAIN	IT8-9
SD1105A-0510-035-06R1 SD_DRILL_5.1MM_5XD_A	02897874	5,1 0.201	35,0 1.378	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236	m7	140°	TiAIN	IT8-9
SD1105A-0516-035-06R1 SD_DRILL_13/64_5XD_A	02897875	5,159 0.203	35,0 1.378	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236	m7	140°	TiAIN	IT8-9
SD1105A-0520-035-06R1 SD_DRILL_5.2MM_5XD_A	02897876	5,2 0.205	35,0 1.378	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236	m7	140°	TiAIN	IT8-9
SD1105A-0530-035-06R1 SD_DRILL_5.3MM_5XD_A	02897877	5,3 0.209	35,0 1.378	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236	m7	140°	TiAIN	IT8-9
SD1105A-0540-035-06R1 SD_DRILL_5.4MM_5XD_A	02897878	5,4 0.213	35,0 1.378	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236	m7	140°	TiAIN	IT8-9
SD1105A-0550-035-06R1 SD_DRILL_5.5MM_5XD_A	02897879	5,5 0.217	35,0 1.378	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236	m7	140°	TiAIN	IT8-9
SD1105A-0555-035-06R1 SD_DRILL_5.55MM_5XD_A	02897880	5,55 0.219	35,0 1.378	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236	m7	140°	TiAIN	IT8-9
SD1105A-0556-035-06R1 SD_DRILL_7/32_5XD_A	02897881	5,56 0.219	35,0 1.378	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236	m7	140°	TiAIN	IT8-9
SD1105A-0560-035-06R1 SD_DRILL_5.6MM_5XD_A	02897882	5,6 0.220	35,0 1.378	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236	m7	140°	TiAIN	IT8-9
SD1105A-0570-035-06R1 SD_DRILL_5.7MM_5XD_A	02897883	5,7 0.224	35,0 1.378	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236	m7	140°	TiAIN	IT8-9
SD1105A-0580-035-06R1 SD_DRILL_5.8MM_5XD_A	02897884	5,8 0.228	35,0 1.378	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236	m7	140°	TiAIN	IT8-9
SD1105A-0590-035-06R1 SD_DRILL_5.9MM_5XD_A	02897885	5,9 0.232	35,0 1.378	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236	m7	140°	TiAIN	IT8-9
SD1105A-0595-035-06R1 SD_DRILL_15/64_5XD_A	02897886	5,953 0.234	35,0 1.378	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236	m7	140°	TiAIN	IT8-9
SD1105A-0600-035-06R1 SD_DRILL_6.0MM_5XD_A	02897887	6,0 0.236	35,0 1.378	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236	m7	140°	TiAIN	IT8-9
SD1105A-0610-043-08R1 SD_DRILL_6.1MM_5XD_A	02897888	6,1 0.240	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315	m7	140°	TiAIN	IT8-9
SD1105A-0620-043-08R1 SD_DRILL_6.2MM_5XD_A	02897889	6,2 0.244	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315	m7	140°	TiAIN	IT8-9
SD1105A-0630-043-08R1 SD_DRILL_6.3MM_5XD_A	02897890	6,3 0.248	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315	m7	140°	TiAIN	IT8-9
SD1105A-0635-043-08R1 SD_DRILL_1/4_5XD_A	02897891	6,35 0.250	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315	m7	140°	TiAIN	IT8-9
SD1105A-0640-043-08R1 SD_DRILL_6.4MM_5XD_A	02897892	6,4 0.252	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315	m7	140°	TiAIN	IT8-9
SD1105A-0650-043-08R1 SD_DRILL_6.5MM_5XD_A	02897893	6,5 0.256	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315	m7	140°	TiAIN	IT8-9
SD1105A-0660-043-08R1 SD_DRILL_6.6MM_5XD_A	02897894	6,6 0.260	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315	m7	140°	TiAIN	IT8-9
SD1105A-0670-043-08R1 SD_DRILL_6.7MM_5XD_A	02897895	6,7 0.264	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315	m7	140°	TiAIN	IT8-9
SD1105A-0675-043-08R1 SD_DRILL_17/64_5XD_A	02897896	6,747 0.266	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315	m7	140°	TiAIN	IT8-9
SD1105A-0680-043-08R1 SD_DRILL_6.8MM_5XD_A	02897897	6,8 0.268	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315	m7	140°	TiAIN	IT8-9

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM	Tolerans DC	Uç nokta açısı:	Kaplama	Delik toleransı
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç				
SD1105A-0690-043-08R1 SD_DRILL_6.9MM_5XD_A	02897898	6,9 0.272	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315	m7	140°	TiAIN	IT8-9
SD1105A-0700-043-08R1 SD_DRILL_7.0MM_5XD_A	02897899	7,0 0.276	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315	m7	140°	TiAIN	IT8-9
SD1105A-0710-043-08R1 SD_DRILL_7.1MM_5XD_A	02897900	7,1 0.280	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315	m7	140°	TiAIN	IT8-9
SD1105A-0714-043-08R1 SD_DRILL_9/32_5XD_A	02897901	7,144 0.281	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315	m7	140°	TiAIN	IT8-9
SD1105A-0720-043-08R1 SD_DRILL_7.2MM_5XD_A	02897902	7,2 0.283	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315	m7	140°	TiAIN	IT8-9
SD1105A-0730-043-08R1 SD_DRILL_7.3MM_5XD_A	02897903	7,3 0.287	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315	m7	140°	TiAIN	IT8-9
SD1105A-0740-043-08R1 SD_DRILL_7.4MM_5XD_A	02897904	7,4 0.291	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315	m7	140°	TiAIN	IT8-9
SD1105A-0750-043-08R1 SD_DRILL_7.5MM_5XD_A	02897905	7,5 0.295	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315	m7	140°	TiAIN	IT8-9
SD1105A-0754-043-08R1 SD_DRILL_19/64_5XD_A	02897906	7,541 0.297	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315	m7	140°	TiAIN	IT8-9
SD1105A-0755-043-08R1 SD_DRILL_7.55MM_5XD_A	02897907	7,55 0.297	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315	m7	140°	TiAIN	IT8-9
SD1105A-0760-043-08R1 SD_DRILL_7.6MM_5XD_A	02897908	7,6 0.299	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315	m7	140°	TiAIN	IT8-9
SD1105A-0770-043-08R1 SD_DRILL_7.7MM_5XD_A	02897909	7,7 0.303	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315	m7	140°	TiAIN	IT8-9
SD1105A-0780-043-08R1 SD_DRILL_7.8MM_5XD_A	02897910	7,8 0.307	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315	m7	140°	TiAIN	IT8-9
SD1105A-0790-043-08R1 SD_DRILL_7.9MM_5XD_A	02897911	7,9 0.311	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315	m7	140°	TiAIN	IT8-9
SD1105A-0794-043-08R1 SD_DRILL_5/16_5XD_A	02897912	7,938 0.313	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315	m7	140°	TiAIN	IT8-9
SD1105A-0800-043-08R1 SD_DRILL_8.0MM_5XD_A	02897913	8,0 0.315	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315	m7	140°	TiAIN	IT8-9
SD1105A-0810-049-10R1 SD_DRILL_8.1MM_5XD_A	02897914	8,1 0.319	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394	m7	140°	TiAIN	IT8-9
SD1105A-0820-049-10R1 SD_DRILL_8.2MM_5XD_A	02897915	8,2 0.323	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394	m7	140°	TiAIN	IT8-9
SD1105A-0830-049-10R1 SD_DRILL_8.3MM_5XD_A	02897916	8,3 0.327	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394	m7	140°	TiAIN	IT8-9
SD1105A-0833-049-10R1 SD_DRILL_21/64_5XD_A	02897917	8,334 0.328	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394	m7	140°	TiAIN	IT8-9
SD1105A-0840-049-10R1 SD_DRILL_8.4MM_5XD_A	02897918	8,4 0.331	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394	m7	140°	TiAIN	IT8-9
SD1105A-0850-049-10R1 SD_DRILL_8.5MM_5XD_A	02897919	8,5 0.335	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394	m7	140°	TiAIN	IT8-9
SD1105A-0860-049-10R1 SD_DRILL_8.6MM_5XD_A	02897920	8,6 0.339	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394	m7	140°	TiAIN	IT8-9
SD1105A-0870-049-10R1 SD_DRILL_8.7MM_5XD_A	02897921	8,7 0.343	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394	m7	140°	TiAIN	IT8-9
SD1105A-0873-049-10R1 SD_DRILL_11/32_5XD_A	02897922	8,731 0.344	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394	m7	140°	TiAIN	IT8-9
SD1105A-0880-049-10R1 SD_DRILL_8.8MM_5XD_A	02897923	8,8 0.346	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394	m7	140°	TiAIN	IT8-9
SD1105A-0890-049-10R1 SD_DRILL_8.9MM_5XD_A	02897924	8,9 0.350	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394	m7	140°	TiAIN	IT8-9
SD1105A-0900-049-10R1 SD_DRILL_9.0MM_5XD_A	02897925	9,0 0.354	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394	m7	140°	TiAIN	IT8-9
SD1105A-0910-049-10R1 SD_DRILL_9.1MM_5XD_A	02897926	9,1 0.358	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394	m7	140°	TiAIN	IT8-9
SD1105A-0913-049-10R1 SD_DRILL_23/64_5XD_A	02897927	9,128 0.359	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394	m7	140°	TiAIN	IT8-9
SD1105A-0920-049-10R1 SD_DRILL_9.2MM_5XD_A	02897928	9,2 0.362	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394	m7	140°	TiAIN	IT8-9

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM	Tolerans	Uç nokta açısı:	Kaplama	Delik toleransı
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç			
SD1105A-0930-049-10R1 SD_DRILL_9.3MM_5XD_A	02897929	9,3 0.366	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394	m7	140°	TiAIN	IT8-9
SD1105A-0940-049-10R1 SD_DRILL_9.4MM_5XD_A	02897930	9,4 0.370	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394	m7	140°	TiAIN	IT8-9
SD1105A-0950-049-10R1 SD_DRILL_9.5MM_5XD_A	02897931	9,5 0.374	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394	m7	140°	TiAIN	IT8-9
SD1105A-0953-049-10R1 SD_DRILL_3/8_5XD_A	02897932	9,525 0.375	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394	m7	140°	TiAIN	IT8-9
SD1105A-0955-049-10R1 SD_DRILL_9.55MM_5XD_A	02897933	9,55 0.376	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394	m7	140°	TiAIN	IT8-9
SD1105A-0960-049-10R1 SD_DRILL_9.6MM_5XD_A	02897934	9,6 0.378	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394	m7	140°	TiAIN	IT8-9
SD1105A-0970-049-10R1 SD_DRILL_9.7MM_5XD_A	02897935	9,7 0.382	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394	m7	140°	TiAIN	IT8-9
SD1105A-0980-049-10R1 SD_DRILL_9.8MM_5XD_A	02897936	9,8 0.386	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394	m7	140°	TiAIN	IT8-9
SD1105A-0990-049-10R1 SD_DRILL_9.9MM_5XD_A	02897937	9,9 0.390	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394	m7	140°	TiAIN	IT8-9
SD1105A-0992-049-10R1 SD_DRILL_25/64_5XD_A	02897938	9,922 0.391	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394	m7	140°	TiAIN	IT8-9
SD1105A-1000-049-10R1 SD_DRILL_10.0MM_5XD_A	02897939	10,0 0.394	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394	m7	140°	TiAIN	IT8-9
SD1105A-1010-056-12R1 SD_DRILL_10.1MM_5XD_A	02897940	10,1 0.398	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472	m7	140°	TiAIN	IT8-9
SD1105A-1020-056-12R1 SD_DRILL_10.2MM_5XD_A	02897941	10,2 0.402	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472	m7	140°	TiAIN	IT8-9
SD1105A-1030-056-12R1 SD_DRILL_10.3MM_5XD_A	02897942	10,3 0.406	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472	m7	140°	TiAIN	IT8-9
SD1105A-1032-056-12R1 SD_DRILL_13/32_5XD_A	02897943	10,319 0.406	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472	m7	140°	TiAIN	IT8-9
SD1105A-1040-056-12R1 SD_DRILL_10.4MM_5XD_A	02897944	10,4 0.409	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472	m7	140°	TiAIN	IT8-9
SD1105A-1050-056-12R1 SD_DRILL_10.5MM_5XD_A	02897945	10,5 0.413	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472	m7	140°	TiAIN	IT8-9
SD1105A-1060-056-12R1 SD_DRILL_10.6MM_5XD_A	02897946	10,6 0.417	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472	m7	140°	TiAIN	IT8-9
SD1105A-1070-056-12R1 SD_DRILL_10.7MM_5XD_A	02897947	10,7 0.421	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472	m7	140°	TiAIN	IT8-9
SD1105A-1072-056-12R1 SD_DRILL_27/64_5XD_A	02897948	10,716 0.422	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472	m7	140°	TiAIN	IT8-9
SD1105A-1080-056-12R1 SD_DRILL_10.8MM_5XD_A	02897949	10,8 0.425	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472	m7	140°	TiAIN	IT8-9
SD1105A-1090-056-12R1 SD_DRILL_10.9MM_5XD_A	02897951	10,9 0.429	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472	m7	140°	TiAIN	IT8-9
SD1105A-1100-056-12R1 SD_DRILL_11.0MM_5XD_A	02897952	11,0 0.433	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472	m7	140°	TiAIN	IT8-9
SD1105A-1110-056-12R1 SD_DRILL_11.1MM_5XD_A	02897953	11,1 0.437	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472	m7	140°	TiAIN	IT8-9
SD1105A-1111-056-12R1 SD_DRILL_7/16_5XD_A	02897954	11,113 0.438	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472	m7	140°	TiAIN	IT8-9
SD1105A-1120-056-12R1 SD_DRILL_11.2MM_5XD_A	02897955	11,2 0.441	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472	m7	140°	TiAIN	IT8-9
SD1105A-1130-056-12R1 SD_DRILL_11.3MM_5XD_A	02897956	11,3 0.445	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472	m7	140°	TiAIN	IT8-9
SD1105A-1140-056-12R1 SD_DRILL_11.4MM_5XD_A	02897957	11,4 0.449	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472	m7	140°	TiAIN	IT8-9
SD1105A-1150-056-12R1 SD_DRILL_11.5MM_5XD_A	02897958	11,5 0.453	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472	m7	140°	TiAIN	IT8-9
SD1105A-1151-056-12R1 SD_DRILL_29/64_5XD_A	02897959	11,509 0.453	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472	m7	140°	TiAIN	IT8-9
SD1105A-1155-056-12R1 SD_DRILL_11.55MM_5XD_A	02897960	11,55 0.455	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472	m7	140°	TiAIN	IT8-9

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM	Tolerans DC	Uç nokta açısı:	Kaplama	Delik toleransı
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç				
SD1105A-1160-056-12R1 SD_DRILL_11.6MM_5XD_A	02897961	11,6 0.457	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472	m7	140°	TiAIN	IT8-9
SD1105A-1170-056-12R1 SD_DRILL_11.7MM_5XD_A	02897962	11,7 0.461	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472	m7	140°	TiAIN	IT8-9
SD1105A-1180-056-12R1 SD_DRILL_11.8MM_5XD_A	02897963	11,8 0.465	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472	m7	140°	TiAIN	IT8-9
SD1105A-1190-056-12R1 SD_DRILL_11.9MM_5XD_A	02897964	11,9 0.469	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472	m7	140°	TiAIN	IT8-9
SD1105A-1191-056-12R1 SD_DRILL_15/32_5XD_A	02897965	11,906 0.469	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472	m7	140°	TiAIN	IT8-9
SD1105A-1200-056-12R1 SD_DRILL_12.0MM_5XD_A	02897966	12,0 0.472	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472	m7	140°	TiAIN	IT8-9
SD1105A-1210-060-14R1 SD_DRILL_12.1MM_5XD_A	02897967	12,1 0.476	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551	m7	140°	TiAIN	IT8-9
SD1105A-1220-060-14R1 SD_DRILL_12.2MM_5XD_A	02897968	12,2 0.480	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551	m7	140°	TiAIN	IT8-9
SD1105A-1225-060-14R1 SD_DRILL_12.25MM_5XD_A	02897969	12,25 0.482	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551	m7	140°	TiAIN	IT8-9
SD1105A-1230-060-14R1 SD_DRILL_31/64_5XD_A	02897970	12,303 0.484	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551	m7	140°	TiAIN	IT8-9
SD1105A-1240-060-14R1 SD_DRILL_12.4MM_5XD_A	02897972	12,4 0.488	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551	m7	140°	TiAIN	IT8-9
SD1105A-1250-060-14R1 SD_DRILL_12.5MM_5XD_A	02897973	12,5 0.492	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551	m7	140°	TiAIN	IT8-9
SD1105A-1260-060-14R1 SD_DRILL_12.6MM_5XD_A	02897974	12,6 0.496	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551	m7	140°	TiAIN	IT8-9
SD1105A-1270-060-14R1 SD_DRILL_1/2_5XD_A	02897950	12,7 0.500	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551	m7	140°	TiAIN	IT8-9
SD1105A-1275-060-14R1 SD_DRILL_12.75MM_5XD_A	02897976	12,75 0.502	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551	m7	140°	TiAIN	IT8-9
SD1105A-1280-060-14R1 SD_DRILL_12.8MM_5XD_A	02897977	12,8 0.504	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551	m7	140°	TiAIN	IT8-9
SD1105A-1290-060-14R1 SD_DRILL_12.9MM_5XD_A	02897978	12,9 0.508	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551	m7	140°	TiAIN	IT8-9
SD1105A-1300-060-14R1 SD_DRILL_13.0MM_5XD_A	02897979	13,0 0.512	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551	m7	140°	TiAIN	IT8-9
SD1105A-1310-060-14R1 SD_DRILL_33/64_5XD_A	02897980	13,1 0.516	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551	m7	140°	TiAIN	IT8-9
SD1105A-1320-060-14R1 SD_DRILL_13.2MM_5XD_A	02897981	13,2 0.520	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551	m7	140°	TiAIN	IT8-9
SD1105A-1330-060-14R1 SD_DRILL_13.3MM_5XD_A	02897982	13,3 0.524	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551	m7	140°	TiAIN	IT8-9
SD1105A-1340-060-14R1 SD_DRILL_13.4MM_5XD_A	02897983	13,4 0.528	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551	m7	140°	TiAIN	IT8-9
SD1105A-1349-060-14R1 SD_DRILL_17/32_5XD_A	02897984	13,494 0.531	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551	m7	140°	TiAIN	IT8-9
SD1105A-1350-060-14R1 SD_DRILL_13.5MM_5XD_A	02897985	13,5 0.531	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551	m7	140°	TiAIN	IT8-9
SD1105A-1360-060-14R1 SD_DRILL_13.6MM_5XD_A	02897986	13,6 0.535	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551	m7	140°	TiAIN	IT8-9
SD1105A-1370-060-14R1 SD_DRILL_13.7MM_5XD_A	02897987	13,7 0.539	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551	m7	140°	TiAIN	IT8-9
SD1105A-1380-060-14R1 SD_DRILL_13.8MM_5XD_A	02897988	13,8 0.543	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551	m7	140°	TiAIN	IT8-9
SD1105A-1390-060-14R1 SD_DRILL_35/64_5XD_A	02897989	13,9 0.547	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551	m7	140°	TiAIN	IT8-9
SD1105A-1400-060-14R1 SD_DRILL_14.0MM_5XD_A	02897990	14,0 0.551	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551	m7	140°	TiAIN	IT8-9
SD1105A-1410-063-16R1 SD_DRILL_14.1MM_5XD_A	02897991	14,1 0.555	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630	m7	140°	TiAIN	IT8-9
SD1105A-1420-063-16R1 SD_DRILL_14.2MM_5XD_A	02897992	14,2 0.559	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630	m7	140°	TiAIN	IT8-9

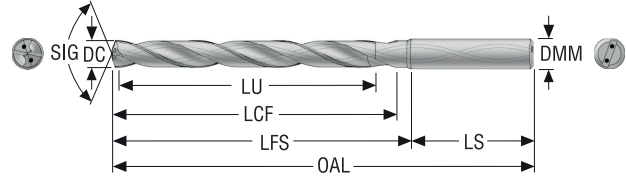
Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM	Tolerans DC	Uç nokta açısı:	Kaplama	Delik toleransı
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç			
SD1105A-1429-063-16R1 SD_DRILL_9/16_5XD_A	02897993	14,288 0.563	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630	m7	140°	TiAIN	IT8-9
SD1105A-1430-063-16R1 SD_DRILL_14.3MM_5XD_A	02897994	14,3 0.563	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630	m7	140°	TiAIN	IT8-9
SD1105A-1440-063-16R1 SD_DRILL_14.4MM_5XD_A	02897995	14,4 0.567	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630	m7	140°	TiAIN	IT8-9
SD1105A-1450-063-16R1 SD_DRILL_14.5MM_5XD_A	02897996	14,5 0.571	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630	m7	140°	TiAIN	IT8-9
SD1105A-1460-063-16R1 SD_DRILL_14.6MM_5XD_A	02897997	14,6 0.575	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630	m7	140°	TiAIN	IT8-9
SD1105A-1470-063-16R1 SD_DRILL_14.7MM_5XD_A	02897998	14,7 0.579	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630	m7	140°	TiAIN	IT8-9
SD1105A-1475-063-16R1 SD_DRILL_14.75MM_5XD_A	02897999	14,75 0.581	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630	m7	140°	TiAIN	IT8-9
SD1105A-1480-063-16R1 SD_DRILL_14.8MM_5XD_A	02898000	14,8 0.583	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630	m7	140°	TiAIN	IT8-9
SD1105A-1490-063-16R1 SD_DRILL_14.9MM_5XD_A	02898001	14,9 0.587	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630	m7	140°	TiAIN	IT8-9
SD1105A-1500-063-16R1 SD_DRILL_15.0MM_5XD_A	02898002	15,0 0.591	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630	m7	140°	TiAIN	IT8-9
SD1105A-1510-063-16R1 SD_DRILL_15.1MM_5XD_A	02898003	15,1 0.594	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630	m7	140°	TiAIN	IT8-9
SD1105A-1520-063-16R1 SD_DRILL_15.2MM_5XD_A	02898004	15,2 0.598	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630	m7	140°	TiAIN	IT8-9
SD1105A-1530-063-16R1 SD_DRILL_15.3MM_5XD_A	02898005	15,3 0.602	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630	m7	140°	TiAIN	IT8-9
SD1105A-1540-063-16R1 SD_DRILL_15.4MM_5XD_A	02898006	15,4 0.606	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630	m7	140°	TiAIN	IT8-9
SD1105A-1550-063-16R1 SD_DRILL_15.5MM_5XD_A	02898007	15,5 0.610	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630	m7	140°	TiAIN	IT8-9
SD1105A-1560-063-16R1 SD_DRILL_15.6MM_5XD_A	02898008	15,6 0.614	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630	m7	140°	TiAIN	IT8-9
SD1105A-1570-063-16R1 SD_DRILL_15.7MM_5XD_A	02898009	15,7 0.618	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630	m7	140°	TiAIN	IT8-9
SD1105A-1580-063-16R1 SD_DRILL_15.8MM_5XD_A	02898010	15,8 0.622	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630	m7	140°	TiAIN	IT8-9
SD1105A-1588-063-16R1 SD_DRILL_5/8_5XD_A	02898011	15,875 0.625	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630	m7	140°	TiAIN	IT8-9
SD1105A-1590-063-16R1 SD_DRILL_15.9MM_5XD_A	02898012	15,9 0.626	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630	m7	140°	TiAIN	IT8-9
SD1105A-1600-063-16R1 SD_DRILL_16.0MM_5XD_A	02898013	16,0 0.630	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630	m7	140°	TiAIN	IT8-9
SD1105A-1610-071-18R1 SD_DRILL_16.1MM_5XD_A	02898014	16,1 0.634	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709	m7	140°	TiAIN	IT8-9
SD1105A-1620-071-18R1 SD_DRILL_16.2MM_5XD_A	02898015	16,2 0.638	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709	m7	140°	TiAIN	IT8-9
SD1105A-1630-071-18R1 SD_DRILL_16.3MM_5XD_A	02898016	16,3 0.642	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709	m7	140°	TiAIN	IT8-9
SD1105A-1640-071-18R1 SD_DRILL_16.4MM_5XD_A	02898017	16,4 0.646	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709	m7	140°	TiAIN	IT8-9
SD1105A-1650-071-18R1 SD_DRILL_16.5MM_5XD_A	02898018	16,5 0.650	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709	m7	140°	TiAIN	IT8-9
SD1105A-1660-071-18R1 SD_DRILL_16.6MM_5XD_A	02898019	16,6 0.654	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709	m7	140°	TiAIN	IT8-9
SD1105A-1670-071-18R1 SD_DRILL_16.7MM_5XD_A	02898020	16,7 0.657	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709	m7	140°	TiAIN	IT8-9
SD1105A-1675-071-18R1 SD_DRILL_16.75MM_5XD_A	02898021	16,75 0.659	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709	m7	140°	TiAIN	IT8-9
SD1105A-1680-071-18R1 SD_DRILL_16.8MM_5XD_A	02898022	16,8 0.661	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709	m7	140°	TiAIN	IT8-9
SD1105A-1690-071-18R1 SD_DRILL_16.9MM_5XD_A	02898023	16,9 0.665	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709	m7	140°	TiAIN	IT8-9

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM	Tolerans DC	Uç nokta açısı:	Kaplama	Delik toleransı
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç			
SD1105A-1700-071-18R1 SD_DRILL_17.0MM_5XD_A	02898024	17,0 0.669	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709	m7	140°	TiAIN	IT8-9
SD1105A-1710-071-18R1 SD_DRILL_17.1MM_5XD_A	02898025	17,1 0.673	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709	m7	140°	TiAIN	IT8-9
SD1105A-1720-071-18R1 SD_DRILL_17.2MM_5XD_A	02898026	17,2 0.677	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709	m7	140°	TiAIN	IT8-9
SD1105A-1730-071-18R1 SD_DRILL_17.3MM_5XD_A	02898027	17,3 0.681	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709	m7	140°	TiAIN	IT8-9
SD1105A-1740-071-18R1 SD_DRILL_17.4MM_5XD_A	02898028	17,4 0.685	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709	m7	140°	TiAIN	IT8-9
SD1105A-1750-071-18R1 SD_DRILL_17.5MM_5XD_A	02898029	17,5 0.689	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709	m7	140°	TiAIN	IT8-9
SD1105A-1760-071-18R1 SD_DRILL_17.6MM_5XD_A	02898030	17,6 0.693	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709	m7	140°	TiAIN	IT8-9
SD1105A-1770-071-18R1 SD_DRILL_17.7MM_5XD_A	02898031	17,7 0.697	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709	m7	140°	TiAIN	IT8-9
SD1105A-1780-071-18R1 SD_DRILL_17.8MM_5XD_A	02898032	17,8 0.701	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709	m7	140°	TiAIN	IT8-9
SD1105A-1790-071-18R1 SD_DRILL_17.9MM_5XD_A	02898033	17,9 0.705	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709	m7	140°	TiAIN	IT8-9
SD1105A-1800-071-18R1 SD_DRILL_18.0MM_5XD_A	02898034	18,0 0.709	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709	m7	140°	TiAIN	IT8-9
SD1105A-1810-077-20R1 SD_DRILL_18.1MM_5XD_A	02898035	18,1 0.713	77,0 3.031	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787	m7	140°	TiAIN	IT8-9
SD1105A-1820-077-20R1 SD_DRILL_18.2MM_5XD_A	02898036	18,2 0.717	77,0 3.031	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787	m7	140°	TiAIN	IT8-9
SD1105A-1830-077-20R1 SD_DRILL_18.3MM_5XD_A	02898037	18,3 0.720	77,0 3.031	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787	m7	140°	TiAIN	IT8-9
SD1105A-1840-077-20R1 SD_DRILL_18.4MM_5XD_A	02898038	18,4 0.724	77,0 3.031	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787	m7	140°	TiAIN	IT8-9
SD1105A-1850-077-20R1 SD_DRILL_18.5MM_5XD_A	02898039	18,5 0.728	77,0 3.031	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787	m7	140°	TiAIN	IT8-9
SD1105A-1860-077-20R1 SD_DRILL_18.6MM_5XD_A	02898040	18,6 0.732	77,0 3.031	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787	m7	140°	TiAIN	IT8-9
SD1105A-1870-077-20R1 SD_DRILL_18.7MM_5XD_A	02898041	18,7 0.736	77,0 3.031	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787	m7	140°	TiAIN	IT8-9
SD1105A-1880-077-20R1 SD_DRILL_18.8MM_5XD_A	02898042	18,8 0.740	77,0 3.031	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787	m7	140°	TiAIN	IT8-9
SD1105A-1890-077-20R1 SD_DRILL_18.9MM_5XD_A	02898043	18,9 0.744	77,0 3.031	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787	m7	140°	TiAIN	IT8-9
SD1105A-1900-077-20R1 SD_DRILL_19.0MM_5XD_A	02898044	19,0 0.748	77,0 3.031	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787	m7	140°	TiAIN	IT8-9
SD1105A-1905-077-20R1 SD_DRILL_3/4_5XD_A	02898045	19,05 0.750	77,0 3.031	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787	m7	140°	TiAIN	IT8-9
SD1105A-1910-077-20R1 SD_DRILL_19.1MM_5XD_A	02898046	19,1 0.752	77,0 3.031	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787	m7	140°	TiAIN	IT8-9
SD1105A-1920-077-20R1 SD_DRILL_19.2MM_5XD_A	02898047	19,2 0.756	77,0 3.031	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787	m7	140°	TiAIN	IT8-9
SD1105A-1930-077-20R1 SD_DRILL_19.3MM_5XD_A	02898048	19,3 0.760	77,0 3.031	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787	m7	140°	TiAIN	IT8-9
SD1105A-1940-077-20R1 SD_DRILL_19.4MM_5XD_A	02898049	19,4 0.764	77,0 3.031	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787	m7	140°	TiAIN	IT8-9
SD1105A-1950-077-20R1 SD_DRILL_19.5MM_5XD_A	02898050	19,5 0.768	77,0 3.031	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787	m7	140°	TiAIN	IT8-9
SD1105A-1960-077-20R1 SD_DRILL_19.6MM_5XD_A	02898051	19,6 0.772	77,0 3.031	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787	m7	140°	TiAIN	IT8-9
SD1105A-1970-077-20R1 SD_DRILL_19.7MM_5XD_A	02898052	19,7 0.776	77,0 3.031	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787	m7	140°	TiAIN	IT8-9
SD1105A-1980-077-20R1 SD_DRILL_19.8MM_5XD_A	02898053	19,8 0.780	77,0 3.031	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787	m7	140°	TiAIN	IT8-9

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM	Tolerans DC	Uç nokta açısı:	Kaplama	Delik toleransı
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç				
SD1105A-1990-077-20R1 SD_DRILL_19.9MM_5XD_A	02898054	19,9 0.783	77,0 3.031	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787	m7	140°	TiAIN	IT8-9
SD1105A-2000-077-20R1 SD_DRILL_20.0MM_5XD_A	02898055	20,0 0.787	77,0 3.031	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787	m7	140°	TiAIN	IT8-9

SD1108A

Delme derinliği ~ 8 x D



- Silindirik sap DIN 6537A
- Tolerans DC m7
- İçten soğutma sıvısı
- Kesme verileri için, bakınız sayfa 145
- Ara çaplar için lütfen Özel Tasarım programına bakınız

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM	Uç nokta açısı:	Kaplama	Delik toleransı
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç			
SD1108A-0300-028-06R1 SD_DRILL_3.0MM_8XD_A	03295178	3,0 0.118	28,0 1.102	74,0 2.913	38,0 1.496	36,0 1.417	34,0 1.339	6,0 0.236	140°	TiAIN	IT9
SD1108A-0310-028-06R1 SD_DRILL_3.1MM_8XD_A	03295179	3,1 0.122	28,0 1.102	74,0 2.913	38,0 1.496	36,0 1.417	34,0 1.339	6,0 0.236	140°	TiAIN	IT9
SD1108A-0318-028-06R1 SD_DRILL_1/8_8XD_A	03323680	3,175 0.125	28,0 1.102	74,0 2.913	38,0 1.496	36,0 1.417	34,0 1.339	6,0 0.236	140°	TiAIN	IT9
SD1108A-0320-028-06R1 SD_DRILL_3.2MM_8XD_A	03295180	3,2 0.126	28,0 1.102	74,0 2.913	38,0 1.496	36,0 1.417	34,0 1.339	6,0 0.236	140°	TiAIN	IT9
SD1108A-0330-028-06R1 SD_DRILL_3.3MM_8XD_A	03295181	3,3 0.130	28,0 1.102	74,0 2.913	38,0 1.496	36,0 1.417	34,0 1.339	6,0 0.236	140°	TiAIN	IT9
SD1108A-0340-028-06R1 SD_DRILL_3.4MM_8XD_A	03295182	3,4 0.134	28,0 1.102	74,0 2.913	38,0 1.496	36,0 1.417	34,0 1.339	6,0 0.236	140°	TiAIN	IT9
SD1108A-0350-028-06R1 SD_DRILL_3.5MM_8XD_A	03295183	3,5 0.138	28,0 1.102	74,0 2.913	38,0 1.496	36,0 1.417	34,0 1.339	6,0 0.236	140°	TiAIN	IT9
SD1108A-0357-028-06R1 SD_DRILL_9/64_8XD_A	03323681	3,572 0.141	28,0 1.102	74,0 2.913	38,0 1.496	36,0 1.417	34,0 1.339	6,0 0.236	140°	TiAIN	IT9
SD1108A-0360-028-06R1 SD_DRILL_3.6MM_8XD_A	03295184	3,6 0.142	28,0 1.102	74,0 2.913	38,0 1.496	36,0 1.417	34,0 1.339	6,0 0.236	140°	TiAIN	IT9
SD1108A-0370-028-06R1 SD_DRILL_3.7MM_8XD_A	03295185	3,7 0.146	28,0 1.102	74,0 2.913	38,0 1.496	36,0 1.417	34,0 1.339	6,0 0.236	140°	TiAIN	IT9
SD1108A-0380-037-06R1 SD_DRILL_3.8MM_8XD_A	03295186	3,8 0.150	37,0 1.457	85,0 3.346	49,0 1.929	36,0 1.417	45,0 1.772	6,0 0.236	140°	TiAIN	IT9
SD1108A-0390-037-06R1 SD_DRILL_3.9MM_8XD_A	03295187	3,9 0.154	37,0 1.457	85,0 3.346	49,0 1.929	36,0 1.417	45,0 1.772	6,0 0.236	140°	TiAIN	IT9
SD1108A-0397-037-06R1 SD_DRILL_5/32_8XD_A	03323682	3,969 0.156	37,0 1.457	85,0 3.346	49,0 1.929	36,0 1.417	45,0 1.772	6,0 0.236	140°	TiAIN	IT9
SD1108A-0400-037-06R1 SD_DRILL_4.0MM_8XD_A	03295188	4,0 0.157	37,0 1.457	85,0 3.346	49,0 1.929	36,0 1.417	45,0 1.772	6,0 0.236	140°	TiAIN	IT9
SD1108A-0410-037-06R1 SD_DRILL_4.1MM_8XD_A	03295189	4,1 0.161	37,0 1.457	85,0 3.346	49,0 1.929	36,0 1.417	45,0 1.772	6,0 0.236	140°	TiAIN	IT9
SD1108A-0420-037-06R1 SD_DRILL_4.2MM_8XD_A	03295190	4,2 0.165	37,0 1.457	85,0 3.346	49,0 1.929	36,0 1.417	45,0 1.772	6,0 0.236	140°	TiAIN	IT9
SD1108A-0430-037-06R1 SD_DRILL_4.3MM_8XD_A	03295191	4,3 0.169	37,0 1.457	85,0 3.346	49,0 1.929	36,0 1.417	45,0 1.772	6,0 0.236	140°	TiAIN	IT9
SD1108A-0437-037-06R1 SD_DRILL_11/64_8XD_A	03323683	4,366 0.172	37,0 1.457	85,0 3.346	49,0 1.929	36,0 1.417	45,0 1.772	6,0 0.236	140°	TiAIN	IT9
SD1108A-0440-037-06R1 SD_DRILL_4.4MM_8XD_A	03295192	4,4 0.173	37,0 1.457	85,0 3.346	49,0 1.929	36,0 1.417	45,0 1.772	6,0 0.236	140°	TiAIN	IT9
SD1108A-0450-037-06R1 SD_DRILL_4.5MM_8XD_A	03295193	4,5 0.177	37,0 1.457	85,0 3.346	49,0 1.929	36,0 1.417	45,0 1.772	6,0 0.236	140°	TiAIN	IT9
SD1108A-0460-037-06R1 SD_DRILL_4.6MM_8XD_A	03295194	4,6 0.181	37,0 1.457	85,0 3.346	49,0 1.929	36,0 1.417	45,0 1.772	6,0 0.236	140°	TiAIN	IT9

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM	Uç nokta açısı:	Kaplama	Delik toleransı
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç			
SD1108A-0470-037-06R1 SD_DRILL_4.7MM_8XD_A	03295195	4,7 0.185	37,0 1.457	85,0 3.346	49,0 1.929	36,0 1.417	45,0 1.772	6,0 0.236	140°	TiAIN	IT9
SD1108A-0476-048-06R1 SD_DRILL_3/16_8XD_A	03323684	4,763 0.188	48,0 1.890	97,0 3.819	61,0 2.402	36,0 1.417	57,0 2.244	6,0 0.236	140°	TiAIN	IT9
SD1108A-0480-048-06R1 SD_DRILL_4.8MM_8XD_A	03295197	4,8 0.189	48,0 1.890	97,0 3.819	61,0 2.402	36,0 1.417	57,0 2.244	6,0 0.236	140°	TiAIN	IT9
SD1108A-0490-048-06R1 SD_DRILL_4.9MM_8XD_A	03295198	4,9 0.193	48,0 1.890	97,0 3.819	61,0 2.402	36,0 1.417	57,0 2.244	6,0 0.236	140°	TiAIN	IT9
SD1108A-0500-048-06R1 SD_DRILL_5.0MM_8XD_A	03295199	5,0 0.197	48,0 1.890	97,0 3.819	61,0 2.402	36,0 1.417	57,0 2.244	6,0 0.236	140°	TiAIN	IT9
SD1108A-0510-048-06R1 SD_DRILL_5.1MM_8XD_A	03295200	5,1 0.201	48,0 1.890	97,0 3.819	61,0 2.402	36,0 1.417	57,0 2.244	6,0 0.236	140°	TiAIN	IT9
SD1108A-0516-048-06R1 SD_DRILL_13/64_8XD_A	03323685	5,159 0.203	48,0 1.890	97,0 3.819	61,0 2.402	36,0 1.417	57,0 2.244	6,0 0.236	140°	TiAIN	IT9
SD1108A-0520-048-06R1 SD_DRILL_5.2MM_8XD_A	03295201	5,2 0.205	48,0 1.890	97,0 3.819	61,0 2.402	36,0 1.417	57,0 2.244	6,0 0.236	140°	TiAIN	IT9
SD1108A-0530-048-06R1 SD_DRILL_5.3MM_8XD_A	03295202	5,3 0.209	48,0 1.890	97,0 3.819	61,0 2.402	36,0 1.417	57,0 2.244	6,0 0.236	140°	TiAIN	IT9
SD1108A-0540-048-06R1 SD_DRILL_5.4MM_8XD_A	03295203	5,4 0.213	48,0 1.890	97,0 3.819	61,0 2.402	36,0 1.417	57,0 2.244	6,0 0.236	140°	TiAIN	IT9
SD1108A-0550-048-06R1 SD_DRILL_5.5MM_8XD_A	03295204	5,5 0.217	48,0 1.890	97,0 3.819	61,0 2.402	36,0 1.417	57,0 2.244	6,0 0.236	140°	TiAIN	IT9
SD1108A-0556-048-06R1 SD_DRILL_7/32_8XD_A	03295206	5,556 0.219	48,0 1.890	97,0 3.819	61,0 2.402	36,0 1.417	57,0 2.244	6,0 0.236	140°	TiAIN	IT9
SD1108A-0560-048-06R1 SD_DRILL_5.6MM_8XD_A	03295207	5,6 0.220	48,0 1.890	97,0 3.819	61,0 2.402	36,0 1.417	57,0 2.244	6,0 0.236	140°	TiAIN	IT9
SD1108A-0570-048-06R1 SD_DRILL_5.7MM_8XD_A	03295208	5,7 0.224	48,0 1.890	97,0 3.819	61,0 2.402	36,0 1.417	57,0 2.244	6,0 0.236	140°	TiAIN	IT9
SD1108A-0580-048-06R1 SD_DRILL_5.8MM_8XD_A	03295012	5,8 0.228	48,0 1.890	97,0 3.819	61,0 2.402	36,0 1.417	57,0 2.244	6,0 0.236	140°	TiAIN	IT9
SD1108A-0590-048-06R1 SD_DRILL_5.9MM_8XD_A	03295013	5,9 0.232	48,0 1.890	97,0 3.819	61,0 2.402	36,0 1.417	57,0 2.244	6,0 0.236	140°	TiAIN	IT9
SD1108A-0595-048-06R1 SD_DRILL_15/64_8XD_A	03323686	5,953 0.234	48,0 1.890	97,0 3.819	61,0 2.402	36,0 1.417	57,0 2.244	6,0 0.236	140°	TiAIN	IT9
SD1108A-0600-048-06R1 SD_DRILL_6.0MM_8XD_A	03295014	6,0 0.236	48,0 1.890	97,0 3.819	61,0 2.402	36,0 1.417	57,0 2.244	6,0 0.236	140°	TiAIN	IT9
SD1108A-0610-055-08R1 SD_DRILL_6.1MM_8XD_A	03295015	6,1 0.240	55,0 2.165	106,0 4.173	70,0 2.756	36,0 1.417	66,0 2.598	8,0 0.315	140°	TiAIN	IT9
SD1108A-0620-055-08R1 SD_DRILL_6.2MM_8XD_A	03295016	6,2 0.244	55,0 2.165	106,0 4.173	70,0 2.756	36,0 1.417	66,0 2.598	8,0 0.315	140°	TiAIN	IT9
SD1108A-0630-055-08R1 SD_DRILL_6.3MM_8XD_A	03295017	6,3 0.248	55,0 2.165	106,0 4.173	70,0 2.756	36,0 1.417	66,0 2.598	8,0 0.315	140°	TiAIN	IT9
SD1108A-0635-055-08R1 SD_DRILL_1/4_8XD_A	03295018	6,35 0.250	55,0 2.165	106,0 4.173	70,0 2.756	36,0 1.417	66,0 2.598	8,0 0.315	140°	TiAIN	IT9
SD1108A-0640-055-08R1 SD_DRILL_6.4MM_8XD_A	03295019	6,4 0.252	55,0 2.165	106,0 4.173	70,0 2.756	36,0 1.417	66,0 2.598	8,0 0.315	140°	TiAIN	IT9
SD1108A-0650-055-08R1 SD_DRILL_6.5MM_8XD_A	03295020	6,5 0.256	55,0 2.165	106,0 4.173	70,0 2.756	36,0 1.417	66,0 2.598	8,0 0.315	140°	TiAIN	IT9
SD1108A-0660-055-08R1 SD_DRILL_6.6MM_8XD_A	03295021	6,6 0.260	55,0 2.165	106,0 4.173	70,0 2.756	36,0 1.417	66,0 2.598	8,0 0.315	140°	TiAIN	IT9
SD1108A-0670-055-08R1 SD_DRILL_6.7MM_8XD_A	03295022	6,7 0.264	55,0 2.165	106,0 4.173	70,0 2.756	36,0 1.417	66,0 2.598	8,0 0.315	140°	TiAIN	IT9
SD1108A-0675-055-08R1 SD_DRILL_17/64_8XD_A	03323687	6,747 0.266	55,0 2.165	106,0 4.173	70,0 2.756	36,0 1.417	66,0 2.598	8,0 0.315	140°	TiAIN	IT9
SD1108A-0680-055-08R1 SD_DRILL_6.8MM_8XD_A	03295023	6,8 0.268	55,0 2.165	106,0 4.173	70,0 2.756	36,0 1.417	66,0 2.598	8,0 0.315	140°	TiAIN	IT9
SD1108A-0690-055-08R1 SD_DRILL_6.9MM_8XD_A	03295024	6,9 0.272	55,0 2.165	106,0 4.173	70,0 2.756	36,0 1.417	66,0 2.598	8,0 0.315	140°	TiAIN	IT9
SD1108A-0700-055-08R1 SD_DRILL_7.0MM_8XD_A	03295025	7,0 0.276	55,0 2.165	106,0 4.173	70,0 2.756	36,0 1.417	66,0 2.598	8,0 0.315	140°	TiAIN	IT9
SD1108A-0710-064-08R1 SD_DRILL_7.1MM_8XD_A	03295026	7,1 0.280	64,0 2.520	116,0 4.567	80,0 3.150	36,0 1.417	76,0 2.992	8,0 0.315	140°	TiAIN	IT9

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM	Uç nokta açısı:	Kaplama	Delik toleransı
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç			
SD1108A-0714-064-08R1 SD_DRILL_9/32_8XD_A	03323688	7,144 0.281	64,0 2.520	116,0 4.567	80,0 3.150	36,0 1.417	76,0 2.992	8,0 0.315	140°	TiAIN	IT9
SD1108A-0730-064-08R1 SD_DRILL_7.3MM_8XD_A	03323689	7,3 0.287	64,0 2.520	116,0 4.567	80,0 3.150	36,0 1.417	76,0 2.992	8,0 0.315	140°	TiAIN	IT9
SD1108A-0740-064-08R1 SD_DRILL_7.4MM_8XD_A	03295027	7,4 0.291	64,0 2.520	116,0 4.567	80,0 3.150	36,0 1.417	76,0 2.992	8,0 0.315	140°	TiAIN	IT9
SD1108A-0750-064-08R1 SD_DRILL_7.5MM_8XD_A	03295028	7,5 0.295	64,0 2.520	116,0 4.567	80,0 3.150	36,0 1.417	76,0 2.992	8,0 0.315	140°	TiAIN	IT9
SD1108A-0754-064-08R1 SD_DRILL_19/64_8XD_A	03323690	7,541 0.297	64,0 2.520	116,0 4.567	80,0 3.150	36,0 1.417	76,0 2.992	8,0 0.315	140°	TiAIN	IT9
SD1108A-0760-064-08R1 SD_DRILL_7.6MM_8XD_A	03323691	7,6 0.299	64,0 2.520	116,0 4.567	80,0 3.150	36,0 1.417	76,0 2.992	8,0 0.315	140°	TiAIN	IT9
SD1108A-0770-064-08R1 SD_DRILL_7.7MM_8XD_A	03295029	7,7 0.303	64,0 2.520	116,0 4.567	80,0 3.150	36,0 1.417	76,0 2.992	8,0 0.315	140°	TiAIN	IT9
SD1108A-0780-064-08R1 SD_DRILL_7.8MM_8XD_A	03295030	7,8 0.307	64,0 2.520	116,0 4.567	80,0 3.150	36,0 1.417	76,0 2.992	8,0 0.315	140°	TiAIN	IT9
SD1108A-0790-064-08R1 SD_DRILL_7.9MM_8XD_A	03295031	7,9 0.311	64,0 2.520	116,0 4.567	80,0 3.150	36,0 1.417	76,0 2.992	8,0 0.315	140°	TiAIN	IT9
SD1108A-0794-064-08R1 SD_DRILL_5/16_8XD_A	03323692	7,938 0.313	64,0 2.520	116,0 4.567	80,0 3.150	36,0 1.417	76,0 2.992	8,0 0.315	140°	TiAIN	IT9
SD1108A-0800-064-08R1 SD_DRILL_8.0MM_8XD_A	03295032	8,0 0.315	64,0 2.520	116,0 4.567	80,0 3.150	36,0 1.417	76,0 2.992	8,0 0.315	140°	TiAIN	IT9
SD1108A-0810-080-10R1 SD_DRILL_8.1MM_8XD_A	03295033	8,1 0.319	80,0 3.150	139,0 5.472	99,0 3.898	40,0 1.575	95,0 3.740	10,0 0.394	140°	TiAIN	IT9
SD1108A-0820-080-10R1 SD_DRILL_8.2MM_8XD_A	03295034	8,2 0.323	80,0 3.150	139,0 5.472	99,0 3.898	40,0 1.575	95,0 3.740	10,0 0.394	140°	TiAIN	IT9
SD1108A-0830-080-10R1 SD_DRILL_8.3MM_8XD_A	03295035	8,3 0.327	80,0 3.150	139,0 5.472	99,0 3.898	40,0 1.575	95,0 3.740	10,0 0.394	140°	TiAIN	IT9
SD1108A-0833-080-10R1 SD_DRILL_21/64_8XD_A	03323693	8,334 0.328	80,0 3.150	139,0 5.472	99,0 3.898	40,0 1.575	95,0 3.740	10,0 0.394	140°	TiAIN	IT9
SD1108A-0840-080-10R1 SD_DRILL_8.4MM_8XD_A	03295036	8,4 0.331	80,0 3.150	139,0 5.472	99,0 3.898	40,0 1.575	95,0 3.740	10,0 0.394	140°	TiAIN	IT9
SD1108A-0850-080-10R1 SD_DRILL_8.5MM_8XD_A	03295037	8,5 0.335	80,0 3.150	139,0 5.472	99,0 3.898	40,0 1.575	95,0 3.740	10,0 0.394	140°	TiAIN	IT9
SD1108A-0860-080-10R1 SD_DRILL_8.6MM_8XD_A	03295038	8,6 0.339	80,0 3.150	139,0 5.472	99,0 3.898	40,0 1.575	95,0 3.740	10,0 0.394	140°	TiAIN	IT9
SD1108A-0870-080-10R1 SD_DRILL_8.7MM_8XD_A	03295039	8,7 0.343	80,0 3.150	139,0 5.472	99,0 3.898	40,0 1.575	95,0 3.740	10,0 0.394	140°	TiAIN	IT9
SD1108A-0873-080-10R1 SD_DRILL_11/32_8XD_A	03323694	8,731 0.344	80,0 3.150	139,0 5.472	99,0 3.898	40,0 1.575	95,0 3.740	10,0 0.394	140°	TiAIN	IT9
SD1108A-0880-080-10R1 SD_DRILL_8.8MM_8XD_A	03295040	8,8 0.346	80,0 3.150	139,0 5.472	99,0 3.898	40,0 1.575	95,0 3.740	10,0 0.394	140°	TiAIN	IT9
SD1108A-0900-080-10R1 SD_DRILL_9.0MM_8XD_A	03295041	9,0 0.354	80,0 3.150	139,0 5.472	99,0 3.898	40,0 1.575	95,0 3.740	10,0 0.394	140°	TiAIN	IT9
SD1108A-0910-080-10R1 SD_DRILL_9.1MM_8XD_A	03295042	9,1 0.358	80,0 3.150	139,0 5.472	99,0 3.898	40,0 1.575	95,0 3.740	10,0 0.394	140°	TiAIN	IT9
SD1108A-0913-080-10R1 SD_DRILL_23/64_8XD_A	03323695	9,128 0.359	80,0 3.150	139,0 5.472	99,0 3.898	40,0 1.575	95,0 3.740	10,0 0.394	140°	TiAIN	IT9
SD1108A-0930-080-10R1 SD_DRILL_9.3MM_8XD_A	03295043	9,3 0.366	80,0 3.150	139,0 5.472	99,0 3.898	40,0 1.575	95,0 3.740	10,0 0.394	140°	TiAIN	IT9
SD1108A-0940-080-10R1 SD_DRILL_9.4MM_8XD_A	03295044	9,4 0.370	80,0 3.150	139,0 5.472	99,0 3.898	40,0 1.575	95,0 3.740	10,0 0.394	140°	TiAIN	IT9
SD1108A-0950-080-10R1 SD_DRILL_9.5MM_8XD_A	03295045	9,5 0.374	80,0 3.150	139,0 5.472	99,0 3.898	40,0 1.575	95,0 3.740	10,0 0.394	140°	TiAIN	IT9
SD1108A-0953-080-10R1 SD_DRILL_3/8_8XD_A	03323696	9,525 0.375	80,0 3.150	139,0 5.472	99,0 3.898	40,0 1.575	95,0 3.740	10,0 0.394	140°	TiAIN	IT9
SD1108A-0970-080-10R1 SD_DRILL_9.7MM_8XD_A	03295046	9,7 0.382	80,0 3.150	139,0 5.472	99,0 3.898	40,0 1.575	95,0 3.740	10,0 0.394	140°	TiAIN	IT9
SD1108A-0980-080-10R1 SD_DRILL_9.8MM_8XD_A	03295047	9,8 0.386	80,0 3.150	139,0 5.472	99,0 3.898	40,0 1.575	95,0 3.740	10,0 0.394	140°	TiAIN	IT9
SD1108A-0990-080-10R1 SD_DRILL_9.9MM_8XD_A	03295048	9,9 0.390	80,0 3.150	139,0 5.472	99,0 3.898	40,0 1.575	95,0 3.740	10,0 0.394	140°	TiAIN	IT9

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM	Uç nokta açısı:	Kaplama	Delik toleransı
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç			
SD1108A-0992-080-10R1 SD_DRILL_25/64_8XD_A	03323697	9,922 0.391	80,0 3.150	139,0 5.472	99,0 3.898	40,0 1.575	95,0 3.740	10,0 0.394	140°	TiAIN	IT9
SD1108A-1000-080-10R1 SD_DRILL_10.0MM_8XD_A	03295049	10,0 0.394	80,0 3.150	139,0 5.472	99,0 3.898	40,0 1.575	95,0 3.740	10,0 0.394	140°	TiAIN	IT9
SD1108A-1020-096-12R1 SD_DRILL_10.2MM_8XD_A	03295050	10,2 0.402	96,0 3.780	163,0 6.417	118,0 4.646	45,0 1.772	114,0 4.488	12,0 0.472	140°	TiAIN	IT9
SD1108A-1030-096-12R1 SD_DRILL_10.3MM_8XD_A	03295051	10,3 0.406	96,0 3.780	163,0 6.417	118,0 4.646	45,0 1.772	114,0 4.488	12,0 0.472	140°	TiAIN	IT9
SD1108A-1032-096-12R1 SD_DRILL_13/32_8XD_A	03323698	10,319 0.406	96,0 3.780	163,0 6.417	118,0 4.646	45,0 1.772	114,0 4.488	12,0 0.472	140°	TiAIN	IT9
SD1108A-1040-096-12R1 SD_DRILL_10.4MM_8XD_A	03295053	10,4 0.409	96,0 3.780	163,0 6.417	118,0 4.646	45,0 1.772	114,0 4.488	12,0 0.472	140°	TiAIN	IT9
SD1108A-1050-096-12R1 SD_DRILL_10.5MM_8XD_A	03295054	10,5 0.413	96,0 3.780	163,0 6.417	118,0 4.646	45,0 1.772	114,0 4.488	12,0 0.472	140°	TiAIN	IT9
SD1108A-1070-096-12R1 SD_DRILL_10.7MM_8XD_A	03295055	10,7 0.421	96,0 3.780	163,0 6.417	118,0 4.646	45,0 1.772	114,0 4.488	12,0 0.472	140°	TiAIN	IT9
SD1108A-1072-096-12R1 SD_DRILL_27/64_8XD_A	03323699	10,716 0.422	96,0 3.780	163,0 6.417	118,0 4.646	45,0 1.772	114,0 4.488	12,0 0.472	140°	TiAIN	IT9
SD1108A-1080-096-12R1 SD_DRILL_10.8MM_8XD_A	03295056	10,8 0.425	96,0 3.780	163,0 6.417	118,0 4.646	45,0 1.772	114,0 4.488	12,0 0.472	140°	TiAIN	IT9
SD1108A-1100-096-12R1 SD_DRILL_11.0MM_8XD_A	03295057	11,0 0.433	96,0 3.780	163,0 6.417	118,0 4.646	45,0 1.772	114,0 4.488	12,0 0.472	140°	TiAIN	IT9
SD1108A-1111-096-12R1 SD_DRILL_7/16_8XD_A	03323700	11,113 0.438	96,0 3.780	163,0 6.417	118,0 4.646	45,0 1.772	114,0 4.488	12,0 0.472	140°	TiAIN	IT9
SD1108A-1120-096-12R1 SD_DRILL_11.2MM_8XD_A	03295058	11,2 0.441	96,0 3.780	163,0 6.417	118,0 4.646	45,0 1.772	114,0 4.488	12,0 0.472	140°	TiAIN	IT9
SD1108A-1130-096-12R1 SD_DRILL_11.3MM_8XD_A	03295059	11,3 0.445	96,0 3.780	163,0 6.417	118,0 4.646	45,0 1.772	114,0 4.488	12,0 0.472	140°	TiAIN	IT9
SD1108A-1150-096-12R1 SD_DRILL_11.5MM_8XD_A	03295060	11,5 0.453	96,0 3.780	163,0 6.417	118,0 4.646	45,0 1.772	114,0 4.488	12,0 0.472	140°	TiAIN	IT9
SD1108A-1170-096-12R1 SD_DRILL_11.7MM_8XD_A	03295061	11,7 0.461	96,0 3.780	163,0 6.417	118,0 4.646	45,0 1.772	114,0 4.488	12,0 0.472	140°	TiAIN	IT9
SD1108A-1180-096-12R1 SD_DRILL_11.8MM_8XD_A	03295062	11,8 0.465	96,0 3.780	163,0 6.417	118,0 4.646	45,0 1.772	114,0 4.488	12,0 0.472	140°	TiAIN	IT9
SD1108A-1190-096-12R1 SD_DRILL_11.9MM_8XD_A	03295063	11,9 0.469	96,0 3.780	163,0 6.417	118,0 4.646	45,0 1.772	114,0 4.488	12,0 0.472	140°	TiAIN	IT9
SD1108A-1191-096-12R1 SD_DRILL_15/32_8XD_A	03323701	11,906 0.469	96,0 3.780	163,0 6.417	118,0 4.646	45,0 1.772	114,0 4.488	12,0 0.472	140°	TiAIN	IT9
SD1108A-1200-096-12R1 SD_DRILL_12.0MM_8XD_A	03295064	12,0 0.472	96,0 3.780	163,0 6.417	118,0 4.646	45,0 1.772	114,0 4.488	12,0 0.472	140°	TiAIN	IT9
SD1108A-1230-119-14R1 SD_DRILL_31/64_8XD_A	03295065	12,3 0.484	119,0 4.685	182,0 7.165	137,0 5.394	45,0 1.772	133,0 5.236	14,0 0.551	140°	TiAIN	IT9
SD1108A-1250-119-14R1 SD_DRILL_12.5MM_8XD_A	03295066	12,5 0.492	119,0 4.685	182,0 7.165	137,0 5.394	45,0 1.772	133,0 5.236	14,0 0.551	140°	TiAIN	IT9
SD1108A-1270-119-14R1 SD_DRILL_1/2_8XD_A	03295067	12,7 0.500	119,0 4.685	182,0 7.165	137,0 5.394	45,0 1.772	133,0 5.236	14,0 0.551	140°	TiAIN	IT9
SD1108A-1300-119-14R1 SD_DRILL_13.0MM_8XD_A	03295068	13,0 0.512	119,0 4.685	182,0 7.165	137,0 5.394	45,0 1.772	133,0 5.236	14,0 0.551	140°	TiAIN	IT9
SD1108A-1349-119-14R1 SD_DRILL_17/32_8XD_A	03323702	13,494 0.531	119,0 4.685	182,0 7.165	137,0 5.394	45,0 1.772	133,0 5.236	14,0 0.551	140°	TiAIN	IT9
SD1108A-1350-119-14R1 SD_DRILL_13.5MM_8XD_A	03295069	13,5 0.531	119,0 4.685	182,0 7.165	137,0 5.394	45,0 1.772	133,0 5.236	14,0 0.551	140°	TiAIN	IT9
SD1108A-1400-119-14R1 SD_DRILL_14.0MM_8XD_A	03295070	14,0 0.551	119,0 4.685	182,0 7.165	137,0 5.394	45,0 1.772	133,0 5.236	14,0 0.551	140°	TiAIN	IT9
SD1108A-1429-136-16R1 SD_DRILL_9/16_8XD_A	03295071	14,288 0.563	136,0 5.354	204,0 8.031	156,0 6.142	48,0 1.890	152,0 5.984	16,0 0.630	140°	TiAIN	IT9
SD1108A-1450-136-16R1 SD_DRILL_14.5MM_8XD_A	03295072	14,5 0.571	136,0 5.354	204,0 8.031	156,0 6.142	48,0 1.890	152,0 5.984	16,0 0.630	140°	TiAIN	IT9
SD1108A-1500-136-16R1 SD_DRILL_15.0MM_8XD_A	03295073	15,0 0.591	136,0 5.354	204,0 8.031	156,0 6.142	48,0 1.890	152,0 5.984	16,0 0.630	140°	TiAIN	IT9
SD1108A-1550-136-16R1 SD_DRILL_15.5MM_8XD_A	03295074	15,5 0.610	136,0 5.354	204,0 8.031	156,0 6.142	48,0 1.890	152,0 5.984	16,0 0.630	140°	TiAIN	IT9

Giriş	Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM	Uç nokta açısı:	Kaplama	Delik toleransı
			mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç			
	SD1108A-1588-136-16R1 SD_DRILL_5/8_8XD_A	03295075	15,875 0.625	136,0 5.354	204,0 8.031	156,0 6.142	48,0 1.890	152,0 5.984	16,0 0.630	140°	TiAIN	IT9
	SD1108A-1600-136-16R1 SD_DRILL_16.0MM_8XD_A	03295076	16,0 0.630	136,0 5.354	204,0 8.031	156,0 6.142	48,0 1.890	152,0 5.984	16,0 0.630	140°	TiAIN	IT9
	SD1108A-1650-153-18R1 SD_DRILL_16.5MM_8XD_A	03295077	16,5 0.650	153,0 6.024	223,0 8.780	175,0 6.890	48,0 1.890	171,0 6.732	18,0 0.709	140°	TiAIN	IT9
	SD1108A-1700-153-18R1 SD_DRILL_17.0MM_8XD_A	03295078	17,0 0.669	153,0 6.024	223,0 8.780	175,0 6.890	48,0 1.890	171,0 6.732	18,0 0.709	140°	TiAIN	IT9
	SD1108A-1750-153-18R1 SD_DRILL_17.5MM_8XD_A	03295079	17,5 0.689	153,0 6.024	223,0 8.780	175,0 6.890	48,0 1.890	171,0 6.732	18,0 0.709	140°	TiAIN	IT9
	SD1108A-1800-153-18R1 SD_DRILL_18.0MM_8XD_A	03295080	18,0 0.709	153,0 6.024	223,0 8.780	175,0 6.890	48,0 1.890	171,0 6.732	18,0 0.709	140°	TiAIN	IT9
	SD1108A-1850-170-20R1 SD_DRILL_18.5MM_8XD_A	03295081	18,5 0.728	170,0 6.693	244,0 9.606	194,0 7.638	50,0 1.969	190,0 7.480	20,0 0.787	140°	TiAIN	IT9
	SD1108A-1900-170-20R1 SD_DRILL_19.0MM_8XD_A	03295082	19,0 0.748	170,0 6.693	244,0 9.606	194,0 7.638	50,0 1.969	190,0 7.480	20,0 0.787	140°	TiAIN	IT9
	SD1108A-1905-170-20R1 SD_DRILL_3/4_8XD_A	03323703	19,05 0.750	170,0 6.693	244,0 9.606	194,0 7.638	50,0 1.969	190,0 7.480	20,0 0.787	140°	TiAIN	IT9
	SD1108A-1950-170-20R1 SD_DRILL_19.5MM_8XD_A	03295083	19,5 0.768	170,0 6.693	244,0 9.606	194,0 7.638	50,0 1.969	190,0 7.480	20,0 0.787	140°	TiAIN	IT9
	SD1108A-2000-170-20R1 SD_DRILL_20.0MM_8XD_A	03295084	20,0 0.787	170,0 6.693	244,0 9.606	194,0 7.638	50,0 1.969	190,0 7.480	20,0 0.787	140°	TiAIN	IT9

Delme

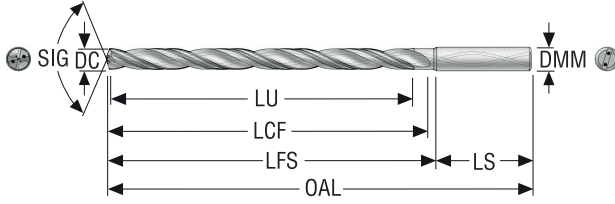
Raybalama

Baralama

Ek

SD1112A

Delme derinliği ~ 12 x D



- Silindirik sap DIN 6537A
- Tolerans DC m7
- İçten soğutma sıvısı
- Kesme verileri için, bakınız sayfa 146
- Ara çaplar için lütfen Özel Tasarım programına bakınız

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM	Uç nokta açısı:	Kaplama	Delik toleransı
		mm Inç	mm Inç	mm Inç	mm Inç	mm Inç	mm Inç	mm Inç			
SD1112A-0300-048-06R1 SD_DRILL_3.0MM_12XD_A	03295085	3,0 0.118	48,0 1.890	92,0 3.622	56,0 2.205	36,0 1.417	54,0 2.126	6,0 0.236	140°	TiAIN	IT9
SD1112A-0310-048-06R1 SD_DRILL_3.1MM_12XD_A	03295086	3,1 0.122	48,0 1.890	92,0 3.622	56,0 2.205	36,0 1.417	54,0 2.126	6,0 0.236	140°	TiAIN	IT9
SD1112A-0318-048-06R1 SD_DRILL_1/8_12XD_A	03323704	3,175 0.125	48,0 1.890	92,0 3.622	56,0 2.205	36,0 1.417	54,0 2.126	6,0 0.236	140°	TiAIN	IT9
SD1112A-0320-048-06R1 SD_DRILL_3.2MM_12XD_A	03295087	3,2 0.126	48,0 1.890	92,0 3.622	56,0 2.205	36,0 1.417	54,0 2.126	6,0 0.236	140°	TiAIN	IT9
SD1112A-0330-048-06R1 SD_DRILL_3.3MM_12XD_A	03295088	3,3 0.130	48,0 1.890	92,0 3.622	56,0 2.205	36,0 1.417	54,0 2.126	6,0 0.236	140°	TiAIN	IT9
SD1112A-0340-048-06R1 SD_DRILL_3.4MM_12XD_A	03295089	3,4 0.134	48,0 1.890	92,0 3.622	56,0 2.205	36,0 1.417	54,0 2.126	6,0 0.236	140°	TiAIN	IT9
SD1112A-0350-048-06R1 SD_DRILL_3.5MM_12XD_A	03295090	3,5 0.138	48,0 1.890	92,0 3.622	56,0 2.205	36,0 1.417	54,0 2.126	6,0 0.236	140°	TiAIN	IT9
SD1112A-0357-048-06R1 SD_DRILL_9/64_12XD_A	03323705	3,572 0.141	48,0 1.890	92,0 3.622	56,0 2.205	36,0 1.417	54,0 2.126	6,0 0.236	140°	TiAIN	IT9
SD1112A-0360-048-06R1 SD_DRILL_3.6MM_12XD_A	03295091	3,6 0.142	48,0 1.890	92,0 3.622	56,0 2.205	36,0 1.417	54,0 2.126	6,0 0.236	140°	TiAIN	IT9
SD1112A-0370-048-06R1 SD_DRILL_3.7MM_12XD_A	03295092	3,7 0.146	48,0 1.890	92,0 3.622	56,0 2.205	36,0 1.417	54,0 2.126	6,0 0.236	140°	TiAIN	IT9
SD1112A-0380-056-06R1 SD_DRILL_3.8MM_12XD_A	03295093	3,8 0.150	56,0 2.205	102,0 4.016	66,0 2.598	36,0 1.417	64,0 2.520	6,0 0.236	140°	TiAIN	IT9
SD1112A-0390-056-06R1 SD_DRILL_3.9MM_12XD_A	03295094	3,9 0.154	56,0 2.205	102,0 4.016	66,0 2.598	36,0 1.417	64,0 2.520	6,0 0.236	140°	TiAIN	IT9
SD1112A-0397-056-06R1 SD_DRILL_5/32_12XD_A	03323706	3,969 0.156	56,0 2.205	102,0 4.016	66,0 2.598	36,0 1.417	64,0 2.520	6,0 0.236	140°	TiAIN	IT9
SD1112A-0400-056-06R1 SD_DRILL_4.0MM_12XD_A	03295095	4,0 0.157	56,0 2.205	102,0 4.016	66,0 2.598	36,0 1.417	64,0 2.520	6,0 0.236	140°	TiAIN	IT9
SD1112A-0410-056-06R1 SD_DRILL_4.1MM_12XD_A	03295096	4,1 0.161	56,0 2.205	102,0 4.016	66,0 2.598	36,0 1.417	64,0 2.520	6,0 0.236	140°	TiAIN	IT9
SD1112A-0420-056-06R1 SD_DRILL_4.2MM_12XD_A	03295097	4,2 0.165	56,0 2.205	102,0 4.016	66,0 2.598	36,0 1.417	64,0 2.520	6,0 0.236	140°	TiAIN	IT9
SD1112A-0430-056-06R1 SD_DRILL_4.3MM_12XD_A	03295098	4,3 0.169	56,0 2.205	102,0 4.016	66,0 2.598	36,0 1.417	64,0 2.520	6,0 0.236	140°	TiAIN	IT9
SD1112A-0437-056-06R1 SD_DRILL_11/64_12XD_A	03323707	4,366 0.172	56,0 2.205	102,0 4.016	66,0 2.598	36,0 1.417	64,0 2.520	6,0 0.236	140°	TiAIN	IT9
SD1112A-0440-056-06R1 SD_DRILL_4.4MM_12XD_A	03295099	4,4 0.173	56,0 2.205	102,0 4.016	66,0 2.598	36,0 1.417	64,0 2.520	6,0 0.236	140°	TiAIN	IT9
SD1112A-0450-056-06R1 SD_DRILL_4.5MM_12XD_A	03295100	4,5 0.177	56,0 2.205	102,0 4.016	66,0 2.598	36,0 1.417	64,0 2.520	6,0 0.236	140°	TiAIN	IT9
SD1112A-0460-056-06R1 SD_DRILL_4.6MM_12XD_A	03295101	4,6 0.181	56,0 2.205	102,0 4.016	66,0 2.598	36,0 1.417	64,0 2.520	6,0 0.236	140°	TiAIN	IT9

Giriş	Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM	Uç nokta açısı:	Kaplama	Delik toleransı
			mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç			
	SD1112A-0470-056-06R1 SD_DRILL_4.7MM_12XD_A	03295102	4,7 0.185	56,0 2.205	102,0 4.016	66,0 2.598	36,0 1.417	64,0 2.520	6,0 0.236	140°	TiAIN	IT9
	SD1112A-0476-074-06R1 SD_DRILL_3/16_12XD_A	03323708	4,763 0.188	74,0 2.913	121,0 4.764	85,0 3.346	36,0 1.417	83,0 3.268	6,0 0.236	140°	TiAIN	IT9
	SD1112A-0480-074-06R1 SD_DRILL_4.8MM_12XD_A	03295103	4,8 0.189	74,0 2.913	121,0 4.764	85,0 3.346	36,0 1.417	83,0 3.268	6,0 0.236	140°	TiAIN	IT9
	SD1112A-0490-074-06R1 SD_DRILL_4.9MM_12XD_A	03295104	4,9 0.193	74,0 2.913	121,0 4.764	85,0 3.346	36,0 1.417	83,0 3.268	6,0 0.236	140°	TiAIN	IT9
	SD1112A-0500-074-06R1 SD_DRILL_5.0MM_12XD_A	03295105	5,0 0.197	74,0 2.913	121,0 4.764	85,0 3.346	36,0 1.417	83,0 3.268	6,0 0.236	140°	TiAIN	IT9
	SD1112A-0510-074-06R1 SD_DRILL_5.1MM_12XD_A	03295106	5,1 0.201	74,0 2.913	121,0 4.764	85,0 3.346	36,0 1.417	83,0 3.268	6,0 0.236	140°	TiAIN	IT9
	SD1112A-0516-074-06R1 SD_DRILL_13/64_12XD_A	03323709	5,159 0.203	74,0 2.913	121,0 4.764	85,0 3.346	36,0 1.417	83,0 3.268	6,0 0.236	140°	TiAIN	IT9
	SD1112A-0520-074-06R1 SD_DRILL_5.2MM_12XD_A	03295107	5,2 0.205	74,0 2.913	121,0 4.764	85,0 3.346	36,0 1.417	83,0 3.268	6,0 0.236	140°	TiAIN	IT9
	SD1112A-0530-074-06R1 SD_DRILL_5.3MM_12XD_A	03295108	5,3 0.209	74,0 2.913	121,0 4.764	85,0 3.346	36,0 1.417	83,0 3.268	6,0 0.236	140°	TiAIN	IT9
	SD1112A-0540-074-06R1 SD_DRILL_5.4MM_12XD_A	03295109	5,4 0.213	74,0 2.913	121,0 4.764	85,0 3.346	36,0 1.417	83,0 3.268	6,0 0.236	140°	TiAIN	IT9
	SD1112A-0550-074-06R1 SD_DRILL_5.5MM_12XD_A	03295110	5,5 0.217	74,0 2.913	121,0 4.764	85,0 3.346	36,0 1.417	83,0 3.268	6,0 0.236	140°	TiAIN	IT9
	SD1112A-0556-074-06R1 SD_DRILL_7/32_12XD_A	03295111	5,556 0.219	74,0 2.913	121,0 4.764	85,0 3.346	36,0 1.417	83,0 3.268	6,0 0.236	140°	TiAIN	IT9
	SD1112A-0560-074-06R1 SD_DRILL_5.6MM_12XD_A	03295112	5,6 0.220	74,0 2.913	121,0 4.764	85,0 3.346	36,0 1.417	83,0 3.268	6,0 0.236	140°	TiAIN	IT9
	SD1112A-0570-074-06R1 SD_DRILL_5.7MM_12XD_A	03295113	5,7 0.224	74,0 2.913	121,0 4.764	85,0 3.346	36,0 1.417	83,0 3.268	6,0 0.236	140°	TiAIN	IT9
	SD1112A-0580-074-06R1 SD_DRILL_5.8MM_12XD_A	03295114	5,8 0.228	74,0 2.913	121,0 4.764	85,0 3.346	36,0 1.417	83,0 3.268	6,0 0.236	140°	TiAIN	IT9
	SD1112A-0590-074-06R1 SD_DRILL_5.9MM_12XD_A	03295115	5,9 0.232	74,0 2.913	121,0 4.764	85,0 3.346	36,0 1.417	83,0 3.268	6,0 0.236	140°	TiAIN	IT9
	SD1112A-0600-074-06R1 SD_DRILL_6.0MM_12XD_A	03295116	6,0 0.236	74,0 2.913	121,0 4.764	85,0 3.346	36,0 1.417	83,0 3.268	6,0 0.236	140°	TiAIN	IT9
	SD1112A-0610-098-08R1 SD_DRILL_6.1MM_12XD_A	03295117	6,1 0.240	98,0 3.858	148,0 5.827	112,0 4.409	36,0 1.417	110,0 4.331	8,0 0.315	140°	TiAIN	IT9
	SD1112A-0620-098-08R1 SD_DRILL_6.2MM_12XD_A	03295118	6,2 0.244	98,0 3.858	148,0 5.827	112,0 4.409	36,0 1.417	110,0 4.331	8,0 0.315	140°	TiAIN	IT9
	SD1112A-0630-098-08R1 SD_DRILL_6.3MM_12XD_A	03295119	6,3 0.248	98,0 3.858	148,0 5.827	112,0 4.409	36,0 1.417	110,0 4.331	8,0 0.315	140°	TiAIN	IT9
	SD1112A-0635-098-08R1 SD_DRILL_1/4_12XD_A	03295120	6,35 0.250	98,0 3.858	148,0 5.827	112,0 4.409	36,0 1.417	110,0 4.331	8,0 0.315	140°	TiAIN	IT9
	SD1112A-0640-098-08R1 SD_DRILL_6.4MM_12XD_A	03295121	6,4 0.252	98,0 3.858	148,0 5.827	112,0 4.409	36,0 1.417	110,0 4.331	8,0 0.315	140°	TiAIN	IT9
	SD1112A-0650-098-08R1 SD_DRILL_6.5MM_12XD_A	03295122	6,5 0.256	98,0 3.858	148,0 5.827	112,0 4.409	36,0 1.417	110,0 4.331	8,0 0.315	140°	TiAIN	IT9
	SD1112A-0660-098-08R1 SD_DRILL_6.6MM_12XD_A	03295123	6,6 0.260	98,0 3.858	148,0 5.827	112,0 4.409	36,0 1.417	110,0 4.331	8,0 0.315	140°	TiAIN	IT9
	SD1112A-0670-098-08R1 SD_DRILL_6.7MM_12XD_A	03295124	6,7 0.264	98,0 3.858	148,0 5.827	112,0 4.409	36,0 1.417	110,0 4.331	8,0 0.315	140°	TiAIN	IT9
	SD1112A-0675-098-08R1 SD_DRILL_17/64_12XD_A	03323710	6,747 0.266	98,0 3.858	148,0 5.827	128,0 5.039	36,0 1.417	110,0 4.331	8,0 0.315	140°	TiAIN	IT9
	SD1112A-0680-098-08R1 SD_DRILL_6.8MM_12XD_A	03295125	6,8 0.268	98,0 3.858	148,0 5.827	112,0 4.409	36,0 1.417	110,0 4.331	8,0 0.315	140°	TiAIN	IT9
	SD1112A-0690-098-08R1 SD_DRILL_6.9MM_12XD_A	03295126	6,9 0.272	98,0 3.858	148,0 5.827	112,0 4.409	36,0 1.417	110,0 4.331	8,0 0.315	140°	TiAIN	IT9
	SD1112A-0700-098-08R1 SD_DRILL_7.0MM_12XD_A	03295127	7,0 0.276	98,0 3.858	148,0 5.827	112,0 4.409	36,0 1.417	110,0 4.331	8,0 0.315	140°	TiAIN	IT9
	SD1112A-0710-098-08R1 SD_DRILL_7.1MM_12XD_A	03295128	7,1 0.280	98,0 3.858	148,0 5.827	112,0 4.409	36,0 1.417	110,0 4.331	8,0 0.315	140°	TiAIN	IT9
	SD1112A-0714-098-08R1 SD_DRILL_9/32_12XD_A	03323711	7,144 0.281	98,0 3.858	148,0 5.827	128,0 5.039	36,0 1.417	110,0 4.331	8,0 0.315	140°	TiAIN	IT9

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM	Uç nokta açısı:	Kaplama	Delik toleransı
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç			
SD1112A-0730-098-08R1 SD_DRILL_7.3MM_12XD_A	03323712	7,3 0.287	98,0 3.858	148,0 5.827	128,0 5.039	36,0 1.417	110,0 4.331	8,0 0.315	140°	TiAIN	IT9
SD1112A-0740-098-08R1 SD_DRILL_7.4MM_12XD_A	03295129	7,4 0.291	98,0 3.858	148,0 5.827	112,0 4.409	36,0 1.417	110,0 4.331	8,0 0.315	140°	TiAIN	IT9
SD1112A-0750-098-08R1 SD_DRILL_7.5MM_12XD_A	03295130	7,5 0.295	98,0 3.858	148,0 5.827	112,0 4.409	36,0 1.417	110,0 4.331	8,0 0.315	140°	TiAIN	IT9
SD1112A-0754-098-08R1 SD_DRILL_19/64_12XD_A	03323713	7,541 0.297	98,0 3.858	148,0 5.827	128,0 5.039	36,0 1.417	110,0 4.331	8,0 0.315	140°	TiAIN	IT9
SD1112A-0780-098-08R1 SD_DRILL_7.8MM_12XD_A	03295131	7,8 0.307	98,0 3.858	148,0 5.827	112,0 4.409	36,0 1.417	110,0 4.331	8,0 0.315	140°	TiAIN	IT9
SD1112A-0790-098-08R1 SD_DRILL_7.9MM_12XD_A	03295132	7,9 0.311	98,0 3.858	148,0 5.827	112,0 4.409	36,0 1.417	110,0 4.331	8,0 0.315	140°	TiAIN	IT9
SD1112A-0794-098-08R1 SD_DRILL_5/16_12XD_A	03323714	7,938 0.313	98,0 3.858	148,0 5.827	128,0 5.039	36,0 1.417	110,0 4.331	8,0 0.315	140°	TiAIN	IT9
SD1112A-0800-098-08R1 SD_DRILL_8.0MM_12XD_A	03295133	8,0 0.315	98,0 3.858	148,0 5.827	112,0 4.409	36,0 1.417	110,0 4.331	8,0 0.315	140°	TiAIN	IT9
SD1112A-0810-123-10R1 SD_DRILL_8.1MM_12XD_A	03295135	8,1 0.319	123,0 4.843	180,0 7.087	140,0 5.512	40,0 1.575	138,0 5.433	10,0 0.394	140°	TiAIN	IT9
SD1112A-0820-123-10R1 SD_DRILL_8.2MM_12XD_A	03295136	8,2 0.323	123,0 4.843	180,0 7.087	140,0 5.512	40,0 1.575	138,0 5.433	10,0 0.394	140°	TiAIN	IT9
SD1112A-0830-123-10R1 SD_DRILL_8.3MM_12XD_A	03295137	8,3 0.327	123,0 4.843	180,0 7.087	140,0 5.512	40,0 1.575	138,0 5.433	10,0 0.394	140°	TiAIN	IT9
SD1112A-0840-123-10R1 SD_DRILL_8.4MM_12XD_A	03295138	8,4 0.331	123,0 4.843	180,0 7.087	140,0 5.512	40,0 1.575	138,0 5.433	10,0 0.394	140°	TiAIN	IT9
SD1112A-0850-123-10R1 SD_DRILL_8.5MM_12XD_A	03295139	8,5 0.335	123,0 4.843	180,0 7.087	140,0 5.512	40,0 1.575	138,0 5.433	10,0 0.394	140°	TiAIN	IT9
SD1112A-0860-123-10R1 SD_DRILL_8.6MM_12XD_A	03295140	8,6 0.339	123,0 4.843	180,0 7.087	140,0 5.512	40,0 1.575	138,0 5.433	10,0 0.394	140°	TiAIN	IT9
SD1112A-0870-123-10R1 SD_DRILL_8.7MM_12XD_A	03295141	8,7 0.343	123,0 4.843	180,0 7.087	140,0 5.512	40,0 1.575	138,0 5.433	10,0 0.394	140°	TiAIN	IT9
SD1112A-0873-123-10R1 SD_DRILL_11/32_12XD_A	03323715	8,731 0.344	123,0 4.843	180,0 7.087	140,0 5.512	40,0 1.575	138,0 5.433	10,0 0.394	140°	TiAIN	IT9
SD1112A-0880-123-10R1 SD_DRILL_8.8MM_12XD_A	03295142	8,8 0.346	123,0 4.843	180,0 7.087	140,0 5.512	40,0 1.575	138,0 5.433	10,0 0.394	140°	TiAIN	IT9
SD1112A-0900-123-10R1 SD_DRILL_9.0MM_12XD_A	03295143	9,0 0.354	123,0 4.843	180,0 7.087	140,0 5.512	40,0 1.575	138,0 5.433	10,0 0.394	140°	TiAIN	IT9
SD1112A-0913-123-10R1 SD_DRILL_23/64_12XD_A	03323716	9,128 0.359	123,0 4.843	180,0 7.087	140,0 5.512	40,0 1.575	138,0 5.433	10,0 0.394	140°	TiAIN	IT9
SD1112A-0930-123-10R1 SD_DRILL_9.3MM_12XD_A	03295144	9,3 0.366	123,0 4.843	180,0 7.087	140,0 5.512	40,0 1.575	138,0 5.433	10,0 0.394	140°	TiAIN	IT9
SD1112A-0950-123-10R1 SD_DRILL_9.5MM_12XD_A	03295145	9,5 0.374	123,0 4.843	180,0 7.087	140,0 5.512	40,0 1.575	138,0 5.433	10,0 0.394	140°	TiAIN	IT9
SD1112A-0953-123-10R1 SD_DRILL_3/8_12XD_A	03323717	9,525 0.375	123,0 4.843	180,0 7.087	140,0 5.512	40,0 1.575	138,0 5.433	10,0 0.394	140°	TiAIN	IT9
SD1112A-0970-123-10R1 SD_DRILL_9.7MM_12XD_A	03295146	9,7 0.382	123,0 4.843	180,0 7.087	140,0 5.512	40,0 1.575	138,0 5.433	10,0 0.394	140°	TiAIN	IT9
SD1112A-0980-123-10R1 SD_DRILL_9.8MM_12XD_A	03295147	9,8 0.386	123,0 4.843	180,0 7.087	140,0 5.512	40,0 1.575	138,0 5.433	10,0 0.394	140°	TiAIN	IT9
SD1112A-0992-123-10R1 SD_DRILL_25/64_12XD_A	03323718	9,922 0.391	123,0 4.843	180,0 7.087	140,0 5.512	40,0 1.575	138,0 5.433	10,0 0.394	140°	TiAIN	IT9
SD1112A-1000-123-10R1 SD_DRILL_10.0MM_12XD_A	03295148	10,0 0.394	123,0 4.843	180,0 7.087	140,0 5.512	40,0 1.575	138,0 5.433	10,0 0.394	140°	TiAIN	IT9
SD1112A-1020-140-12R1 SD_DRILL_10.2MM_12XD_A	03295149	10,2 0.402	140,0 5.512	206,0 8.110	161,0 6.339	45,0 1.772	158,0 6.220	12,0 0.472	140°	TiAIN	IT9
SD1112A-1030-140-12R1 SD_DRILL_10.3MM_12XD_A	03295150	10,3 0.406	140,0 5.512	206,0 8.110	161,0 6.339	45,0 1.772	158,0 6.220	12,0 0.472	140°	TiAIN	IT9
SD1112A-1032-140-12R1 SD_DRILL_13/32_12XD_A	03323719	10,319 0.406	140,0 5.512	206,0 8.110	161,0 6.339	45,0 1.772	158,0 6.220	12,0 0.472	140°	TiAIN	IT9
SD1112A-1050-140-12R1 SD_DRILL_10.5MM_12XD_A	03295151	10,5 0.413	140,0 5.512	206,0 8.110	161,0 6.339	45,0 1.772	158,0 6.220	12,0 0.472	140°	TiAIN	IT9
SD1112A-1072-140-12R1 SD_DRILL_27/64_12XD_A	03323720	10,716 0.422	140,0 5.512	206,0 8.110	161,0 6.339	45,0 1.772	158,0 6.220	12,0 0.472	140°	TiAIN	IT9

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM	Uç nokta açısı:	Kaplama	Delik toleransı
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç			
SD1112A-1080-140-12R1 SD_DRILL_10.8MM_12XD_A	03295152	10,8 0.425	140,0 5.512	206,0 8.110	161,0 6.339	45,0 1.772	158,0 6.220	12,0 0.472	140°	TiAIN	IT9
SD1112A-1100-140-12R1 SD_DRILL_11.0MM_12XD_A	03295153	11,0 0.433	140,0 5.512	206,0 8.110	161,0 6.339	45,0 1.772	158,0 6.220	12,0 0.472	140°	TiAIN	IT9
SD1112A-1111-140-12R1 SD_DRILL_7/16_12XD_A	03323722	11,113 0.438	140,0 5.512	206,0 8.110	161,0 6.339	45,0 1.772	158,0 6.220	12,0 0.472	140°	TiAIN	IT9
SD1112A-1120-140-12R1 SD_DRILL_11.2MM_12XD_A	03295154	11,2 0.441	140,0 5.512	206,0 8.110	161,0 6.339	45,0 1.772	158,0 6.220	12,0 0.472	140°	TiAIN	IT9
SD1112A-1150-140-12R1 SD_DRILL_11.5MM_12XD_A	03295155	11,5 0.453	140,0 5.512	206,0 8.110	161,0 6.339	45,0 1.772	158,0 6.220	12,0 0.472	140°	TiAIN	IT9
SD1112A-1170-140-12R1 SD_DRILL_11.7MM_12XD_A	03295156	11,7 0.461	140,0 5.512	206,0 8.110	161,0 6.339	45,0 1.772	158,0 6.220	12,0 0.472	140°	TiAIN	IT9
SD1112A-1180-140-12R1 SD_DRILL_11.8MM_12XD_A	03295157	11,8 0.465	140,0 5.512	206,0 8.110	161,0 6.339	45,0 1.772	158,0 6.220	12,0 0.472	140°	TiAIN	IT9
SD1112A-1191-140-12R1 SD_DRILL_15/32_12XD_A	03323723	11,906 0.469	140,0 5.512	206,0 8.110	161,0 6.339	45,0 1.772	158,0 6.220	12,0 0.472	140°	TiAIN	IT9
SD1112A-1200-140-12R1 SD_DRILL_12.0MM_12XD_A	03295158	12,0 0.472	140,0 5.512	206,0 8.110	161,0 6.339	45,0 1.772	158,0 6.220	12,0 0.472	140°	TiAIN	IT9
SD1112A-1220-168-14R1 SD_DRILL_12.2MM_12XD_A	03295159	12,2 0.480	168,0 6.614	230,0 9.055	185,0 7.283	45,0 1.772	182,0 7.165	14,0 0.551	140°	TiAIN	IT9
SD1112A-1230-168-14R1 SD_DRILL_31/64_12XD_A	03295160	12,3 0.484	168,0 6.614	230,0 9.055	185,0 7.283	45,0 1.772	182,0 7.165	14,0 0.551	140°	TiAIN	IT9
SD1112A-1250-168-14R1 SD_DRILL_12.5MM_12XD_A	03295161	12,5 0.492	168,0 6.614	230,0 9.055	185,0 7.283	45,0 1.772	182,0 7.165	14,0 0.551	140°	TiAIN	IT9
SD1112A-1270-168-14R1 SD_DRILL_1/2_12XD_A	03295162	12,7 0.500	168,0 6.614	230,0 9.055	185,0 7.283	45,0 1.772	182,0 7.165	14,0 0.551	140°	TiAIN	IT9
SD1112A-1300-168-14R1 SD_DRILL_13.0MM_12XD_A	03295163	13,0 0.512	168,0 6.614	230,0 9.055	185,0 7.283	45,0 1.772	182,0 7.165	14,0 0.551	140°	TiAIN	IT9
SD1112A-1349-168-14R1 SD_DRILL_17/32_12XD_A	03323724	13,494 0.531	168,0 6.614	230,0 9.055	185,0 7.283	45,0 1.772	182,0 7.165	14,0 0.551	140°	TiAIN	IT9
SD1112A-1350-168-14R1 SD_DRILL_13.5MM_12XD_A	03295164	13,5 0.531	168,0 6.614	230,0 9.055	185,0 7.283	45,0 1.772	182,0 7.165	14,0 0.551	140°	TiAIN	IT9
SD1112A-1400-168-14R1 SD_DRILL_14.0MM_12XD_A	03295165	14,0 0.551	168,0 6.614	230,0 9.055	185,0 7.283	45,0 1.772	182,0 7.165	14,0 0.551	140°	TiAIN	IT9
SD1112A-1429-192-16R1 SD_DRILL_9/16_12XD_A	03295166	14,288 0.563	192,0 7.559	260,0 10.236	212,0 8.346	48,0 1.890	208,0 8.189	16,0 0.630	140°	TiAIN	IT9
SD1112A-1450-192-16R1 SD_DRILL_14.5MM_12XD_A	03295167	14,5 0.571	192,0 7.559	260,0 10.236	212,0 8.346	48,0 1.890	208,0 8.189	16,0 0.630	140°	TiAIN	IT9
SD1112A-1500-192-16R1 SD_DRILL_15.0MM_12XD_A	03295168	15,0 0.591	192,0 7.559	260,0 10.236	212,0 8.346	48,0 1.890	208,0 8.189	16,0 0.630	140°	TiAIN	IT9
SD1112A-1550-192-16R1 SD_DRILL_15.5MM_12XD_A	03295169	15,5 0.610	192,0 7.559	260,0 10.236	212,0 8.346	48,0 1.890	208,0 8.189	16,0 0.630	140°	TiAIN	IT9
SD1112A-1588-192-16R1 SD_DRILL_5/8_12XD_A	03295170	15,875 0.625	192,0 7.559	260,0 10.236	212,0 8.346	48,0 1.890	208,0 8.189	16,0 0.630	140°	TiAIN	IT9
SD1112A-1600-192-16R1 SD_DRILL_16.0MM_12XD_A	03295171	16,0 0.630	192,0 7.559	260,0 10.236	212,0 8.346	48,0 1.890	208,0 8.189	16,0 0.630	140°	TiAIN	IT9
SD1112A-1650-216-18R1 SD_DRILL_16.5MM_12XD_A	03295172	16,5 0.650	216,0 8.504	285,0 11.220	237,0 9.331	48,0 1.890	234,0 9.213	18,0 0.709	140°	TiAIN	IT9
SD1112A-1700-216-18R1 SD_DRILL_17.0MM_12XD_A	03295173	17,0 0.669	216,0 8.504	285,0 11.220	237,0 9.331	48,0 1.890	234,0 9.213	18,0 0.709	140°	TiAIN	IT9
SD1112A-1750-216-18R1 SD_DRILL_17.5MM_12XD_A	03295174	17,5 0.689	216,0 8.504	285,0 11.220	237,0 9.331	48,0 1.890	234,0 9.213	18,0 0.709	140°	TiAIN	IT9
SD1112A-1800-216-18R1 SD_DRILL_18.0MM_12XD_A	03295175	18,0 0.709	216,0 8.504	285,0 11.220	237,0 9.331	48,0 1.890	234,0 9.213	18,0 0.709	140°	TiAIN	IT9
SD1112A-1900-238-20R1 SD_DRILL_19.0MM_12XD_A	03295176	19,0 0.748	238,0 9.370	310,0 12.205	260,0 10.236	50,0 1.969	258,0 10.157	20,0 0.787	140°	TiAIN	IT9
SD1112A-2000-238-20R1 SD_DRILL_20.0MM_12XD_A	03295177	20,0 0.787	238,0 9.370	310,0 12.205	260,0 10.236	50,0 1.969	258,0 10.157	20,0 0.787	140°	TiAIN	IT9



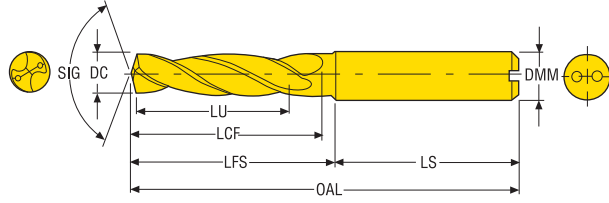
Feedmax-P – tek çaplı matkaplar

Yüksek verimlilik ve delik başına düşük maliyet için tasarlanmış olup modern karbür, kaplama ve geometri teknolojisinin benzersiz bir kombinasyonunu sunar.

- Merkez delme operasyonuna gerek olmadan yüksek kaliteli delikler elde etmek için kendi kendini merkezleyen geometri.
- Özel bir TiAlN kaplama, Seco Feedmax matkaplara güçlü kesme kenarıyla birlikte yüksek ısı sertliği sağlamanın yanı sıra uzun ve tahmin edilebilir takım ömrü sunar

SD203A-P

Delme derinliği ~ 3 x D – Metrik



- Silindirik sap DIN 6537A
- Tolerans DC m7
- İçten soğutma sıvısı
- Uç nokta açısı: 140°
- Kaplama: TiAlN
- Delik toleransı: IT8-9
- Kesme verileri için, bakınız sayfa 147-163
- Ara çaplar için lütfen MyDesign programına bakınız

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD203A-0200-007-04R1-P	03045918	2,0 0.079	7,0 0.276	41,0 1.614	14,0 0.551	27,0 1.063	11,0 0.433	4,0 0.157
SD203A-0210-007-04R1-P	03045919	2,1 0.083	7,0 0.276	41,0 1.614	14,0 0.551	27,0 1.063	11,0 0.433	4,0 0.157
SD203A-0220-007-04R1-P	03045920	2,2 0.087	7,0 0.276	41,0 1.614	14,0 0.551	27,0 1.063	11,0 0.433	4,0 0.157
SD203A-0230-008-04R1-P	03045921	2,3 0.091	8,0 0.315	44,0 1.732	17,0 0.669	27,0 1.063	12,5 0.492	4,0 0.157
SD203A-0235-008-04R1-P	03138154	2,35 0.093	8,0 0.315	44,0 1.732	17,0 0.669	27,0 1.063	12,5 0.492	4,0 0.157
SD203A-0238-008-04R1-P	03120476	2,381 0.094	8,0 0.315	44,0 1.732	17,0 0.669	27,0 1.063	12,5 0.492	4,0 0.157
SD203A-0240-008-04R1-P	03045922	2,4 0.094	8,0 0.315	44,0 1.732	17,0 0.669	27,0 1.063	12,5 0.492	4,0 0.157
SD203A-0250-008-04R1-P	03045923	2,5 0.098	8,0 0.315	44,0 1.732	17,0 0.669	27,0 1.063	12,5 0.492	4,0 0.157
SD203A-0260-008-04R1-P	03045924	2,6 0.102	8,0 0.315	44,0 1.732	17,0 0.669	27,0 1.063	12,5 0.492	4,0 0.157
SD203A-0270-009-04R1-P	03045925	2,7 0.106	9,0 0.354	44,0 1.732	17,0 0.669	27,0 1.063	14,5 0.571	4,0 0.157
SD203A-0278-009-04R1-P	03120495	2,778 0.109	9,0 0.354	44,0 1.732	17,0 0.669	27,0 1.063	14,5 0.571	4,0 0.157
SD203A-0280-009-04R1-P	03045926	2,8 0.110	9,0 0.354	44,0 1.732	17,0 0.669	27,0 1.063	14,5 0.571	4,0 0.157
SD203A-0290-009-04R1-P	03045927	2,9 0.114	9,0 0.354	44,0 1.732	17,0 0.669	27,0 1.063	14,5 0.571	4,0 0.157
SD203A-0300-014-06R1-P	03045928	3,0 0.118	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236
SD203A-0310-014-06R1-P	03045929	3,1 0.122	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236
SD203A-0318-014-06R1-P	03046061	3,175 0.125	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236
SD203A-0320-014-06R1-P	03045930	3,2 0.126	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236
SD203A-0325-014-06R1-P	03045931	3,25 0.128	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236
SD203A-0330-014-06R1-P	03045932	3,3 0.130	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236
SD203A-0340-014-06R1-P	03045933	3,4 0.134	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD203A-0350-014-06R1-P	03045934	3,5 0.138	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236
SD203A-0357-014-06R1-P	03046062	3,572 0.141	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236
SD203A-0360-014-06R1-P	03045935	3,6 0.142	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236
SD203A-0365-014-06R1-P	03045936	3,65 0.144	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236
SD203A-0370-014-06R1-P	03045937	3,7 0.146	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236
SD203A-0380-017-06R1-P	03045938	3,8 0.150	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236
SD203A-0390-017-06R1-P	03045939	3,9 0.154	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236
SD203A-0397-017-06R1-P	03046063	3,97 0.156	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236
SD203A-0400-017-06R1-P	03045940	4,0 0.157	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236
SD203A-0410-017-06R1-P	03045941	4,1 0.161	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236
SD203A-0420-017-06R1-P	03045942	4,2 0.165	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236
SD203A-0430-017-06R1-P	03045943	4,3 0.169	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236
SD203A-0437-017-06R1-P	03046064	4,366 0.172	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236
SD203A-0450-017-06R1-P	03045944	4,5 0.177	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236
SD203A-0460-017-06R1-P	03045945	4,6 0.181	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236
SD203A-0465-017-06R1-P	03045946	4,65 0.183	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236
SD203A-0470-017-06R1-P	03045947	4,7 0.185	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236
SD203A-0476-020-06R1-P	03046065	4,763 0.188	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-0480-020-06R1-P	03045948	4,8 0.189	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-0490-020-06R1-P	03045949	4,9 0.193	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-0500-020-06R1-P	03045950	5,0 0.197	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-0510-020-06R1-P	03045951	5,1 0.201	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-0516-020-06R1-P	03046066	5,159 0.203	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-0520-020-06R1-P	03045952	5,2 0.205	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-0530-020-06R1-P	03045953	5,3 0.209	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-0540-020-06R1-P	03045954	5,4 0.213	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-0550-020-06R1-P	03045955	5,5 0.217	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-0555-020-06R1-P	03045956	5,55 0.219	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-0556-020-06R1-P	03046067	5,556 0.219	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-0560-020-06R1-P	03045957	5,6 0.220	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-0570-020-06R1-P	03045958	5,7 0.224	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD203A-0580-020-06R1-P	03045959	5,8 0.228	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-0590-020-06R1-P	03045960	5,9 0.232	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-0595-020-06R1-P	03046068	5,953 0.234	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-0600-020-06R1-P	03045961	6,0 0.236	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-0610-024-08R1-P	03045962	6,1 0.240	24,0 0.945	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315
SD203A-0620-024-08R1-P	03045963	6,2 0.244	24,0 0.945	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315
SD203A-0630-024-08R1-P	03045964	6,3 0.248	24,0 0.945	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315
SD203A-0635-024-08R1-P	03046069	6,35 0.250	24,0 0.945	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315
SD203A-0640-024-08R1-P	03045965	6,4 0.252	24,0 0.945	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315
SD203A-0650-024-08R1-P	03045966	6,5 0.256	24,0 0.945	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315
SD203A-0660-024-08R1-P	03045967	6,6 0.260	24,0 0.945	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315
SD203A-0670-024-08R1-P	03045968	6,7 0.264	24,0 0.945	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315
SD203A-0675-024-08R1-P	03046070	6,747 0.266	24,0 0.945	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315
SD203A-0680-024-08R1-P	03045969	6,8 0.268	24,0 0.945	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315
SD203A-0690-024-08R1-P	03045970	6,9 0.272	24,0 0.945	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315
SD203A-0700-024-08R1-P	03045971	7,0 0.276	24,0 0.945	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315
SD203A-0710-029-08R1-P	03045972	7,1 0.280	29,0 1.142	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315
SD203A-0714-029-08R1-P	03046071	7,144 0.281	29,0 1.142	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315
SD203A-0720-029-08R1-P	03045973	7,2 0.283	29,0 1.142	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315
SD203A-0730-029-08R1-P	03045974	7,3 0.287	29,0 1.142	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315
SD203A-0740-029-08R1-P	03045975	7,4 0.291	29,0 1.142	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315
SD203A-0750-029-08R1-P	03045976	7,5 0.295	29,0 1.142	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315
SD203A-0754-029-08R1-P	03046072	7,541 0.297	29,0 1.142	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315
SD203A-0755-029-08R1-P	03045977	7,55 0.297	29,0 1.142	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315
SD203A-0760-029-08R1-P	03045978	7,6 0.299	29,0 1.142	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315
SD203A-0770-029-08R1-P	03045979	7,7 0.303	29,0 1.142	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315
SD203A-0780-029-08R1-P	03045980	7,8 0.307	29,0 1.142	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315
SD203A-0790-029-08R1-P	03045981	7,9 0.311	29,0 1.142	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315
SD203A-0794-029-08R1-P	03046073	7,938 0.313	29,0 1.142	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315
SD203A-0800-029-08R1-P	03045982	8,0 0.315	29,0 1.142	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315
SD203A-0810-035-10R1-P	03045983	8,1 0.319	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394

Giriş

Delme

Raybalama

Baralama

Ek

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD203A-0820-035-10R1-P	03045984	8,2 0.323	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-0830-035-10R1-P	03045985	8,3 0.327	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-0833-035-10R1-P	03046074	8,334 0.328	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-0840-035-10R1-P	03045986	8,4 0.331	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-0850-035-10R1-P	03045987	8,5 0.335	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-0860-035-10R1-P	03045988	8,6 0.339	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-0870-035-10R1-P	03045989	8,7 0.343	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-0873-035-10R1-P	03046075	8,731 0.344	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-0880-035-10R1-P	03045990	8,8 0.346	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-0890-035-10R1-P	03045991	8,9 0.350	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-0900-035-10R1-P	03045992	9,0 0.354	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-0910-035-10R1-P	03045993	9,1 0.358	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-0913-035-10R1-P	03046076	9,128 0.359	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-0920-035-10R1-P	03045994	9,2 0.362	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-0930-035-10R1-P	03045995	9,3 0.366	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-0940-035-10R1-P	03045996	9,4 0.370	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-0950-035-10R1-P	03045997	9,5 0.374	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-0953-035-10R1-P	03046077	9,525 0.375	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-0955-035-10R1-P	03045998	9,55 0.376	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-0960-035-10R1-P	03045999	9,6 0.378	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-0970-035-10R1-P	03046000	9,7 0.382	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-0980-035-10R1-P	03046001	9,8 0.386	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-0990-035-10R1-P	03046002	9,9 0.390	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-0992-035-10R1-P	03046078	9,922 0.391	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-1000-035-10R1-P	03046003	10,0 0.394	35,0 1.378	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-1020-040-12R1-P	03046004	10,2 0.402	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
SD203A-1032-040-12R1-P	03046079	10,319 0.406	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
SD203A-1040-040-12R1-P	03046005	10,4 0.409	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
SD203A-1050-040-12R1-P	03046006	10,5 0.413	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
SD203A-1060-040-12R1-P	03046007	10,6 0.417	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
SD203A-1072-040-12R1-P	03046080	10,716 0.422	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472

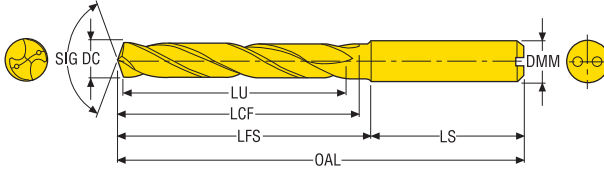
Giriş	Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM
			mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
Delme	SD203A-1080-040-12R1-P	03046008	10,8 0.425	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
	SD203A-1090-040-12R1-P	03046009	10,9 0.429	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
	SD203A-1100-040-12R1-P	03046010	11,0 0.433	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
	SD203A-1110-040-12R1-P	03046011	11,1 0.437	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
	SD203A-1111-040-12R1-P	03046081	11,113 0.438	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
	SD203A-1120-040-12R1-P	03046012	11,2 0.441	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
	SD203A-1130-040-12R1-P	03046013	11,3 0.445	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
	SD203A-1140-040-12R1-P	03046014	11,4 0.449	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
	SD203A-1150-040-12R1-P	03046015	11,5 0.453	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
	SD203A-1151-040-12R1-P	03046082	11,509 0.453	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
	SD203A-1155-040-12R1-P	03046016	11,55 0.455	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
	SD203A-1160-040-12R1-P	03046017	11,6 0.457	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
	SD203A-1170-040-12R1-P	03046018	11,7 0.461	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
	SD203A-1180-040-12R1-P	03046019	11,8 0.465	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
	SD203A-1190-040-12R1-P	03046020	11,9 0.469	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
	Raybalama	SD203A-1191-040-12R1-P	03046083	11,906 0.469	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165
SD203A-1200-040-12R1-P		03046021	12,0 0.472	40,0 1.575	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
SD203A-1210-043-14R1-P		03046022	12,1 0.476	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551
SD203A-1220-043-14R1-P		03046023	12,2 0.480	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551
SD203A-1230-043-14R1-P		03046084	12,303 0.484	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551
SD203A-1240-043-14R1-P		03046024	12,4 0.488	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551
SD203A-1250-043-14R1-P		03046025	12,5 0.492	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551
SD203A-1260-043-14R1-P		03046026	12,6 0.496	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551
SD203A-1270-043-14R1-P		03046085	12,7 0.500	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551
SD203A-1275-043-14R1-P		03046027	12,75 0.502	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551
SD203A-1280-043-14R1-P		03046028	12,8 0.504	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551
SD203A-1290-043-14R1-P		03046029	12,9 0.508	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551
SD203A-1300-043-14R1-P		03046030	13,0 0.512	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551
SD203A-1310-043-14R1-P		03046031	13,1 0.516	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551
SD203A-1320-043-14R1-P		03046032	13,2 0.520	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551
SD203A-1330-043-14R1-P		03046033	13,3 0.524	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD203A-1340-043-14R1-P	03046034	13,4 0.528	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551
SD203A-1349-043-14R1-P	03046086	13,494 0.531	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551
SD203A-1350-043-14R1-P	03046035	13,5 0.531	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551
SD203A-1360-043-14R1-P	03046036	13,6 0.535	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551
SD203A-1370-043-14R1-P	03046037	13,7 0.539	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551
SD203A-1380-043-14R1-P	03046038	13,8 0.543	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551
SD203A-1390-043-14R1-P	03046039	13,9 0.547	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551
SD203A-1400-043-14R1-P	03046040	14,0 0.551	43,0 1.693	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551
SD203A-1420-045-16R1-P	03046041	14,2 0.559	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630
SD203A-1425-045-16R1-P	03138155	14,25 0.561	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630
SD203A-1429-045-16R1-P	03046087	14,288 0.563	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630
SD203A-1450-045-16R1-P	03046042	14,5 0.571	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630
SD203A-1470-045-16R1-P	03046043	14,7 0.579	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630
SD203A-1475-045-16R1-P	03046044	14,75 0.581	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630
SD203A-1480-045-16R1-P	03046045	14,8 0.583	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630
SD203A-1500-045-16R1-P	03046046	15,0 0.591	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630
SD203A-1510-045-16R1-P	03046047	15,1 0.594	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630
SD203A-1530-045-16R1-P	03046048	15,3 0.602	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630
SD203A-1550-045-16R1-P	03046049	15,5 0.610	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630
SD203A-1570-045-16R1-P	03046050	15,7 0.618	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630
SD203A-1580-045-16R1-P	03046051	15,8 0.622	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630
SD203A-1588-045-16R1-P	03046088	15,875 0.625	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630
SD203A-1600-045-16R1-P	03046052	16,0 0.630	45,0 1.772	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630
SD203A-1650-051-18R1-P	03046053	16,5 0.650	51,0 2.008	123,0 4.843	75,0 2.953	48,0 1.890	73,0 2.874	18,0 0.709
SD203A-1700-051-18R1-P	03046054	17,0 0.669	51,0 2.008	123,0 4.843	75,0 2.953	48,0 1.890	73,0 2.874	18,0 0.709
SD203A-1750-051-18R1-P	03046055	17,5 0.689	51,0 2.008	123,0 4.843	75,0 2.953	48,0 1.890	73,0 2.874	18,0 0.709
SD203A-1800-051-18R1-P	03046056	18,0 0.709	51,0 2.008	123,0 4.843	75,0 2.953	48,0 1.890	73,0 2.874	18,0 0.709
SD203A-1850-055-20R1-P	03046057	18,5 0.728	55,0 2.165	131,0 5.157	81,0 3.189	50,0 1.969	79,0 3.110	20,0 0.787
SD203A-1900-055-20R1-P	03046058	19,0 0.748	55,0 2.165	131,0 5.157	81,0 3.189	50,0 1.969	79,0 3.110	20,0 0.787
SD203A-1905-055-20R1-P	03046089	19,05 0.750	55,0 2.165	131,0 5.157	81,0 3.189	50,0 1.969	79,0 3.110	20,0 0.787
SD203A-1950-055-20R1-P	03046059	19,5 0.768	55,0 2.165	131,0 5.157	81,0 3.189	50,0 1.969	79,0 3.110	20,0 0.787

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD203A-1980-055-20R1-P	03138156	19,8 0.780	55,0 2.165	131,0 5.157	81,0 3.189	50,0 1.969	79,0 3.110	20,0 0.787
SD203A-2000-055-20R1-P	03046060	20,0 0.787	55,0 2.165	131,0 5.157	81,0 3.189	50,0 1.969	79,0 3.110	20,0 0.787

SD205A-P

Delme derinliği ~ 5 x D – Metrik



- Silindirik sap DIN 6537A
- Tolerans DC m7
- İçten soğutma sıvısı
- Uç nokta açısı: 140°
- Kaplama: TiAlN
- Delik toleransı: IT8-9
- Kesme verileri için, bakınız sayfa 149-165
- Ara çaplar için lütfen MyDesign programına bakınız

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD205A-0200-012-04R1-P	03046131	2,0 0.079	12,0 0.472	46,0 1.811	19,0 0.748	27,0 1.063	15,0 0.591	4,0 0.157
SD205A-0210-012-04R1-P	03046132	2,1 0.083	12,0 0.472	46,0 1.811	19,0 0.748	27,0 1.063	15,0 0.591	4,0 0.157
SD205A-0220-012-04R1-P	03046133	2,2 0.087	12,0 0.472	46,0 1.811	19,0 0.748	27,0 1.063	15,0 0.591	4,0 0.157
SD205A-0230-012-04R1-P	03046134	2,3 0.091	12,0 0.472	46,0 1.811	19,0 0.748	27,0 1.063	15,0 0.591	4,0 0.157
SD205A-0238-013-04R1-P	03120477	2,381 0.094	13,0 0.512	50,0 1.969	23,0 0.906	27,0 1.063	17,5 0.689	4,0 0.157
SD205A-0240-013-04R1-P	03046135	2,4 0.094	13,0 0.512	50,0 1.969	23,0 0.906	27,0 1.063	17,5 0.689	4,0 0.157
SD205A-0250-013-04R1-P	03046136	2,5 0.098	13,0 0.512	50,0 1.969	23,0 0.906	27,0 1.063	17,5 0.689	4,0 0.157
SD205A-0260-013-04R1-P	03046137	2,6 0.102	13,0 0.512	50,0 1.969	23,0 0.906	27,0 1.063	17,5 0.689	4,0 0.157
SD205A-0270-015-04R1-P	03046138	2,7 0.106	15,0 0.591	50,0 1.969	23,0 0.906	27,0 1.063	20,5 0.807	4,0 0.157
SD205A-0278-015-04R1-P	03120496	2,778 0.109	15,0 0.591	50,0 1.969	23,0 0.906	27,0 1.063	20,5 0.807	4,0 0.157
SD205A-0280-015-04R1-P	03046139	2,8 0.110	15,0 0.591	50,0 1.969	23,0 0.906	27,0 1.063	20,5 0.807	4,0 0.157
SD205A-0290-015-04R1-P	03046141	2,9 0.114	15,0 0.591	50,0 1.969	23,0 0.906	27,0 1.063	20,5 0.807	4,0 0.157
SD205A-0300-023-06R1-P	03046142	3,0 0.118	23,0 0.906	66,0 2.598	30,0 1.181	36,0 1.417	26,0 1.024	6,0 0.236
SD205A-0310-023-06R1-P	03046143	3,1 0.122	23,0 0.906	66,0 2.598	30,0 1.181	36,0 1.417	26,0 1.024	6,0 0.236
SD205A-0318-023-06R1-P	03046327	3,175 0.125	23,0 0.906	66,0 2.598	30,0 1.181	36,0 1.417	26,0 1.024	6,0 0.236
SD205A-0320-023-06R1-P	03046144	3,2 0.126	23,0 0.906	66,0 2.598	30,0 1.181	36,0 1.417	26,0 1.024	6,0 0.236
SD205A-0325-023-06R1-P	03046145	3,25 0.128	23,0 0.906	66,0 2.598	30,0 1.181	36,0 1.417	26,0 1.024	6,0 0.236
SD205A-0330-023-06R1-P	03046146	3,3 0.130	23,0 0.906	66,0 2.598	30,0 1.181	36,0 1.417	26,0 1.024	6,0 0.236
SD205A-0340-023-06R1-P	03046147	3,4 0.134	23,0 0.906	66,0 2.598	30,0 1.181	36,0 1.417	26,0 1.024	6,0 0.236
SD205A-0350-023-06R1-P	03046148	3,5 0.138	23,0 0.906	66,0 2.598	30,0 1.181	36,0 1.417	26,0 1.024	6,0 0.236

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD205A-0357-023-06R1-P	03046328	3,572 0.141	23,0 0.906	66,0 2.598	30,0 1.181	36,0 1.417	26,0 1.024	6,0 0.236
SD205A-0360-023-06R1-P	03046149	3,6 0.142	23,0 0.906	66,0 2.598	30,0 1.181	36,0 1.417	26,0 1.024	6,0 0.236
SD205A-0365-023-06R1-P	03046150	3,65 0.144	23,0 0.906	66,0 2.598	30,0 1.181	36,0 1.417	26,0 1.024	6,0 0.236
SD205A-0370-023-06R1-P	03046151	3,7 0.146	23,0 0.906	66,0 2.598	30,0 1.181	36,0 1.417	26,0 1.024	6,0 0.236
SD205A-0380-029-06R1-P	03046152	3,8 0.150	29,0 1.142	74,0 2.913	38,0 1.496	36,0 1.417	34,0 1.339	6,0 0.236
SD205A-0390-029-06R1-P	03046153	3,9 0.154	29,0 1.142	74,0 2.913	38,0 1.496	36,0 1.417	34,0 1.339	6,0 0.236
SD205A-0397-029-06R1-P	03046329	3,97 0.156	29,0 1.142	74,0 2.913	38,0 1.496	36,0 1.417	34,0 1.339	6,0 0.236
SD205A-0400-029-06R1-P	03046154	4,0 0.157	29,0 1.142	74,0 2.913	38,0 1.496	36,0 1.417	34,0 1.339	6,0 0.236
SD205A-0410-029-06R1-P	03046155	4,1 0.161	29,0 1.142	74,0 2.913	38,0 1.496	36,0 1.417	34,0 1.339	6,0 0.236
SD205A-0420-029-06R1-P	03046157	4,2 0.165	29,0 1.142	74,0 2.913	38,0 1.496	36,0 1.417	34,0 1.339	6,0 0.236
SD205A-0430-029-06R1-P	03046158	4,3 0.169	29,0 1.142	74,0 2.913	38,0 1.496	36,0 1.417	34,0 1.339	6,0 0.236
SD205A-0437-029-06R1-P	03046330	4,366 0.172	29,0 1.142	74,0 2.913	38,0 1.496	36,0 1.417	34,0 1.339	6,0 0.236
SD205A-0440-029-06R1-P	03046159	4,4 0.173	29,0 1.142	74,0 2.913	38,0 1.496	36,0 1.417	34,0 1.339	6,0 0.236
SD205A-0450-029-06R1-P	03046160	4,5 0.177	29,0 1.142	74,0 2.913	38,0 1.496	36,0 1.417	34,0 1.339	6,0 0.236
SD205A-0460-029-06R1-P	03046161	4,6 0.181	29,0 1.142	74,0 2.913	38,0 1.496	36,0 1.417	34,0 1.339	6,0 0.236
SD205A-0465-029-06R1-P	03046162	4,65 0.183	29,0 1.142	74,0 2.913	38,0 1.496	36,0 1.417	34,0 1.339	6,0 0.236
SD205A-0470-029-06R1-P	03046163	4,7 0.185	29,0 1.142	74,0 2.913	38,0 1.496	36,0 1.417	34,0 1.339	6,0 0.236
SD205A-0476-035-06R1-P	03046331	4,763 0.188	35,0 1.378	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205A-0480-035-06R1-P	03046164	4,8 0.189	35,0 1.378	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205A-0490-035-06R1-P	03046165	4,9 0.193	35,0 1.378	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205A-0500-035-06R1-P	03046166	5,0 0.197	35,0 1.378	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205A-0510-035-06R1-P	03046167	5,1 0.201	35,0 1.378	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205A-0516-035-06R1-P	03046332	5,159 0.203	35,0 1.378	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205A-0520-035-06R1-P	03046168	5,2 0.205	35,0 1.378	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205A-0530-035-06R1-P	03046169	5,3 0.209	35,0 1.378	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205A-0540-035-06R1-P	03046170	5,4 0.213	35,0 1.378	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205A-0550-035-06R1-P	03046171	5,5 0.217	35,0 1.378	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205A-0555-035-06R1-P	03046172	5,55 0.219	35,0 1.378	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205A-0556-035-06R1-P	03046333	5,556 0.219	35,0 1.378	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205A-0560-035-06R1-P	03046173	5,6 0.220	35,0 1.378	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205A-0570-035-06R1-P	03046174	5,7 0.224	35,0 1.378	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD205A-0580-035-06R1-P	03046175	5,8 0.228	35,0 1.378	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205A-0590-035-06R1-P	03046176	5,9 0.232	35,0 1.378	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205A-0595-035-06R1-P	03046334	5,953 0.234	35,0 1.378	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205A-0600-035-06R1-P	03046177	6,0 0.236	35,0 1.378	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205A-0610-043-08R1-P	03046179	6,1 0.240	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-0620-043-08R1-P	03046180	6,2 0.244	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-0630-043-08R1-P	03046181	6,3 0.248	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-0635-043-08R1-P	03046335	6,35 0.250	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-0640-043-08R1-P	03046182	6,4 0.252	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-0650-043-08R1-P	03046183	6,5 0.256	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-0660-043-08R1-P	03046184	6,6 0.260	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-0670-043-08R1-P	03046185	6,7 0.264	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-0675-043-08R1-P	03046336	6,747 0.266	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-0680-043-08R1-P	03046186	6,8 0.268	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-0690-043-08R1-P	03046187	6,9 0.272	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-0700-043-08R1-P	03046188	7,0 0.276	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-0710-043-08R1-P	03046190	7,1 0.280	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-0714-043-08R1-P	03046337	7,144 0.281	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-0720-043-08R1-P	03046191	7,2 0.283	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-0730-043-08R1-P	03046192	7,3 0.287	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-0740-043-08R1-P	03046193	7,4 0.291	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-0750-043-08R1-P	03046194	7,5 0.295	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-0754-043-08R1-P	03046338	7,541 0.297	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-0755-043-08R1-P	03046195	7,55 0.297	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-0760-043-08R1-P	03046196	7,6 0.299	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-0770-043-08R1-P	03046197	7,7 0.303	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-0780-043-08R1-P	03046198	7,8 0.307	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-0790-043-08R1-P	03046199	7,9 0.311	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-0794-043-08R1-P	03046339	7,938 0.313	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-0800-043-08R1-P	03046200	8,0 0.315	43,0 1.693	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-0810-049-10R1-P	03046201	8,1 0.319	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD205A-0820-049-10R1-P	03046202	8,2 0.323	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394
SD205A-0830-049-10R1-P	03046203	8,3 0.327	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394
SD205A-0833-049-10R1-P	03046340	8,334 0.328	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394
SD205A-0840-049-10R1-P	03046204	8,4 0.331	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394
SD205A-0850-049-10R1-P	03046205	8,5 0.335	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394
SD205A-0860-049-10R1-P	03046206	8,6 0.339	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394
SD205A-0870-049-10R1-P	03046207	8,7 0.343	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394
SD205A-0873-049-10R1-P	03046341	8,731 0.344	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394
SD205A-0880-049-10R1-P	03046208	8,8 0.346	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394
SD205A-0890-049-10R1-P	03046209	8,9 0.350	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394
SD205A-0900-049-10R1-P	03046210	9,0 0.354	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394
SD205A-0910-049-10R1-P	03046211	9,1 0.358	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394
SD205A-0913-049-10R1-P	03046342	9,128 0.359	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394
SD205A-0920-049-10R1-P	03046212	9,2 0.362	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394
SD205A-0930-049-10R1-P	03046213	9,3 0.366	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394
SD205A-0940-049-10R1-P	03046214	9,4 0.370	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394
SD205A-0950-049-10R1-P	03046215	9,5 0.374	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394
SD205A-0953-049-10R1-P	03046343	9,525 0.375	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394
SD205A-0955-049-10R1-P	03046216	9,55 0.376	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394
SD205A-0960-049-10R1-P	03046217	9,6 0.378	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394
SD205A-0970-049-10R1-P	03046218	9,7 0.382	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394
SD205A-0980-049-10R1-P	03046219	9,8 0.386	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394
SD205A-0990-049-10R1-P	03046220	9,9 0.390	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394
SD205A-0992-049-10R1-P	03046344	9,922 0.391	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394
SD205A-1000-049-10R1-P	03046221	10,0 0.394	49,0 1.929	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394
SD205A-1010-056-12R1-P	03046222	10,1 0.398	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472
SD205A-1020-056-12R1-P	03046223	10,2 0.402	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472
SD205A-1030-056-12R1-P	03046224	10,3 0.406	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472
SD205A-1032-056-12R1-P	03046345	10,319 0.406	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472
SD205A-1040-056-12R1-P	03046225	10,4 0.409	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472
SD205A-1050-056-12R1-P	03046226	10,5 0.413	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD205A-1060-056-12R1-P	03046227	10,6 0.417	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472
SD205A-1070-056-12R1-P	03046228	10,7 0.421	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472
SD205A-1072-056-12R1-P	03046346	10,716 0.422	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472
SD205A-1080-056-12R1-P	03046229	10,8 0.425	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472
SD205A-1090-056-12R1-P	03046230	10,9 0.429	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472
SD205A-1100-056-12R1-P	03046231	11,0 0.433	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472
SD205A-1110-056-12R1-P	03046232	11,1 0.437	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472
SD205A-1111-056-12R1-P	03046347	11,113 0.438	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472
SD205A-1120-056-12R1-P	03046233	11,2 0.441	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472
SD205A-1130-056-12R1-P	03046234	11,3 0.445	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472
SD205A-1140-056-12R1-P	03046235	11,4 0.449	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472
SD205A-1150-056-12R1-P	03046236	11,5 0.453	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472
SD205A-1151-056-12R1-P	03046348	11,509 0.453	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472
SD205A-1155-056-12R1-P	03046237	11,55 0.455	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472
SD205A-1160-056-12R1-P	03046238	11,6 0.457	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472
SD205A-1170-056-12R1-P	03046239	11,7 0.461	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472
SD205A-1180-056-12R1-P	03046240	11,8 0.465	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472
SD205A-1190-056-12R1-P	03046241	11,9 0.469	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472
SD205A-1191-056-12R1-P	03046349	11,906 0.469	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472
SD205A-1200-056-12R1-P	03046242	12,0 0.472	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472
SD205A-1210-060-14R1-P	03046243	12,1 0.476	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551
SD205A-1220-060-14R1-P	03046244	12,2 0.480	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551
SD205A-1225-060-14R1-P	03046245	12,25 0.482	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551
SD205A-1230-060-14R1-P	03138157	12,3 0.484	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551
SD205A-1240-060-14R1-P	03046246	12,4 0.488	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551
SD205A-1250-060-14R1-P	03046247	12,5 0.492	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551
SD205A-1260-060-14R1-P	03046248	12,6 0.496	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551
SD205A-1270-060-14R1-P	03120497	12,7 0.500	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551
SD205A-1275-060-14R1-P	03046249	12,75 0.502	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551
SD205A-1280-060-14R1-P	03046250	12,8 0.504	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551
SD205A-1290-060-14R1-P	03046251	12,9 0.508	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551

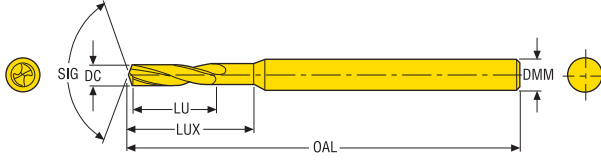
Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD205A-1300-060-14R1-P	03046252	13,0 0.512	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551
SD205A-1310-060-14R1-P	03046253	13,1 0.516	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551
SD205A-1320-060-14R1-P	03046254	13,2 0.520	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551
SD205A-1330-060-14R1-P	03046255	13,3 0.524	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551
SD205A-1340-060-14R1-P	03046256	13,4 0.528	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551
SD205A-1349-060-14R1-P	03046350	13,494 0.531	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551
SD205A-1350-060-14R1-P	03046257	13,5 0.531	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551
SD205A-1355-060-14R1-P	03138158	13,55 0.533	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551
SD205A-1360-060-14R1-P	03046258	13,6 0.535	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551
SD205A-1370-060-14R1-P	03046259	13,7 0.539	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551
SD205A-1380-060-14R1-P	03046260	13,8 0.543	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551
SD205A-1389-060-14R1-P	03120498	13,891 0.547	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551
SD205A-1390-060-14R1-P	03046261	13,9 0.547	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551
SD205A-1400-060-14R1-P	03046262	14,0 0.551	60,0 2.362	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551
SD205A-1410-063-16R1-P	03046263	14,1 0.555	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630
SD205A-1420-063-16R1-P	03046264	14,2 0.559	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630
SD205A-1425-063-16R1-P	03138159	14,25 0.561	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630
SD205A-1429-063-16R1-P	03046351	14,288 0.563	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630
SD205A-1430-063-16R1-P	03046265	14,3 0.563	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630
SD205A-1440-063-16R1-P	03046266	14,4 0.567	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630
SD205A-1450-063-16R1-P	03046267	14,5 0.571	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630
SD205A-1460-063-16R1-P	03046268	14,6 0.575	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630
SD205A-1470-063-16R1-P	03046269	14,7 0.579	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630
SD205A-1475-063-16R1-P	03046270	14,75 0.581	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630
SD205A-1480-063-16R1-P	03046271	14,8 0.583	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630
SD205A-1490-063-16R1-P	03046272	14,9 0.587	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630
SD205A-1500-063-16R1-P	03046273	15,0 0.591	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630
SD205A-1510-063-16R1-P	03046274	15,1 0.594	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630
SD205A-1520-063-16R1-P	03046275	15,2 0.598	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630
SD205A-1525-063-16R1-P	03138160	15,25 0.600	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630
SD205A-1530-063-16R1-P	03046276	15,3 0.602	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD205A-1540-063-16R1-P	03046277	15,4 0.606	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630
SD205A-1550-063-16R1-P	03046278	15,5 0.610	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630
SD205A-1560-063-16R1-P	03046280	15,6 0.614	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630
SD205A-1570-063-16R1-P	03046281	15,7 0.618	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630
SD205A-1580-063-16R1-P	03046282	15,8 0.622	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630
SD205A-1588-063-16R1-P	03046352	15,875 0.625	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630
SD205A-1590-063-16R1-P	03046283	15,9 0.626	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630
SD205A-1600-063-16R1-P	03046284	16,0 0.630	63,0 2.480	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630
SD205A-1610-071-18R1-P	03046285	16,1 0.634	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709
SD205A-1620-071-18R1-P	03046286	16,2 0.638	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709
SD205A-1625-071-18R1-P	03138161	16,25 0.640	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709
SD205A-1630-071-18R1-P	03046287	16,3 0.642	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709
SD205A-1640-071-18R1-P	03046288	16,4 0.646	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709
SD205A-1650-071-18R1-P	03046289	16,5 0.650	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709
SD205A-1660-071-18R1-P	03046290	16,6 0.654	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709
SD205A-1667-071-18R1-P	03120499	16,669 0.656	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709
SD205A-1670-071-18R1-P	03046291	16,7 0.657	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709
SD205A-1675-071-18R1-P	03046292	16,75 0.659	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709
SD205A-1680-071-18R1-P	03046293	16,8 0.661	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709
SD205A-1690-071-18R1-P	03046294	16,9 0.665	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709
SD205A-1700-071-18R1-P	03046296	17,0 0.669	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709
SD205A-1710-071-18R1-P	03046297	17,1 0.673	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709
SD205A-1720-071-18R1-P	03046298	17,2 0.677	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709
SD205A-1730-071-18R1-P	03046299	17,3 0.681	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709
SD205A-1740-071-18R1-P	03046300	17,4 0.685	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709
SD205A-1746-071-18R1-P	03120500	17,463 0.688	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709
SD205A-1750-071-18R1-P	03046301	17,5 0.689	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709
SD205A-1760-071-18R1-P	03046302	17,6 0.693	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709
SD205A-1770-071-18R1-P	03046303	17,7 0.697	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709
SD205A-1780-071-18R1-P	03046304	17,8 0.701	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709
SD205A-1790-071-18R1-P	03046305	17,9 0.705	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709

Giriş	Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM
			mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
	SD205A-1800-077-18R1-P	03046306	18,0 0.709	71,0 2.795	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709
	SD205A-1810-077-20R1-P	03046307	18,1 0.713	77,0 3.031	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787
	SD205A-1820-077-20R1-P	03046308	18,2 0.717	77,0 3.031	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787
	SD205A-1830-077-20R1-P	03046309	18,3 0.720	77,0 3.031	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787
	SD205A-1840-077-20R1-P	03046310	18,4 0.724	77,0 3.031	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787
	SD205A-1850-077-20R1-P	03046311	18,5 0.728	77,0 3.031	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787
	SD205A-1860-077-20R1-P	03046312	18,6 0.732	77,0 3.031	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787
	SD205A-1870-077-20R1-P	03046313	18,7 0.736	77,0 3.031	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787
	SD205A-1880-077-20R1-P	03046314	18,8 0.740	77,0 3.031	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787
	SD205A-1890-077-20R1-P	03046315	18,9 0.744	77,0 3.031	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787
	SD205A-1900-077-20R1-P	03046316	19,0 0.748	77,0 3.031	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787
	SD205A-1905-077-20R1-P	03046353	19,05 0.750	77,0 3.031	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787
	SD205A-1910-077-20R1-P	03046317	19,1 0.752	77,0 3.031	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787
	SD205A-1920-077-20R1-P	03046318	19,2 0.756	77,0 3.031	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787
	SD205A-1930-077-20R1-P	03046319	19,3 0.760	77,0 3.031	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787
	SD205A-1940-077-20R1-P	03046320	19,4 0.764	77,0 3.031	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787
	SD205A-1950-077-20R1-P	03046321	19,5 0.768	77,0 3.031	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787
	SD205A-1960-077-20R1-P	03046322	19,6 0.772	77,0 3.031	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787
	SD205A-1970-077-20R1-P	03046323	19,7 0.776	77,0 3.031	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787
	SD205A-1980-077-20R1-P	03046324	19,8 0.780	77,0 3.031	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787
	SD205A-1990-077-20R1-P	03046325	19,9 0.783	77,0 3.031	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787
	SD205A-2000-077-20R1-P	03046326	20,0 0.787	77,0 3.031	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787

SD206

Delme derinliği ~ 6 x D

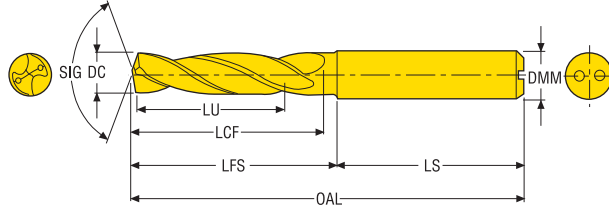


- Silindirik sap
- Dıştan soğutma sıvısı
- Uç nokta açısı: 140°
- Kaplama: TiAIN
- Delik toleransı: IT9
- Kesme verileri için, bakınız sayfa 151

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD206-0.70-4.2-3R1	02731644	0,7 0.028	4,2 0.165	38,0 1.496	6,0 0.236	3,0 0.118
SD206-0.80-4.8-3R1	02731645	0,8 0.031	4,8 0.189	38,0 1.496	6,7 0.264	3,0 0.118
SD206-0.90-5.4-3R1	02731646	0,9 0.035	5,4 0.213	38,0 1.496	7,8 0.307	3,0 0.118
SD206-1.00-6.0-3R1	02731647	1,0 0.039	6,0 0.236	38,0 1.496	8,0 0.315	3,0 0.118
SD206-1.10-6.6-3R1	02731648	1,1 0.043	6,6 0.260	38,0 1.496	8,6 0.339	3,0 0.118
SD206-1.20-7.2-3R1	02731649	1,2 0.047	7,2 0.283	38,0 1.496	9,2 0.362	3,0 0.118
SD206-1.30-7.8-3R1	02731650	1,3 0.051	7,8 0.307	38,0 1.496	9,8 0.386	3,0 0.118
SD206-1.40-8.4-3R1	02731651	1,4 0.055	8,4 0.331	38,0 1.496	10,4 0.409	3,0 0.118
SD206-1.50-9.0-3R1	02731652	1,5 0.059	9,0 0.354	38,0 1.496	11,0 0.433	3,0 0.118
SD206-1.60-9.6-3R1	02731653	1,6 0.063	9,6 0.378	38,0 1.496	11,6 0.457	3,0 0.118
SD206-1.70-10.2-3R1	02731654	1,7 0.067	10,2 0.402	38,0 1.496	12,2 0.480	3,0 0.118
SD206-1.80-10.8-3R1	02731655	1,8 0.071	10,8 0.425	38,0 1.496	12,8 0.504	3,0 0.118
SD206-1.90-11.4-3R1	02731656	1,9 0.075	11,4 0.449	38,0 1.496	13,4 0.528	3,0 0.118
SD206-2.00-12.0-3R1	02731657	2,0 0.079	12,0 0.472	50,0 1.969	14,0 0.551	3,0 0.118

SD206A

Delme derinliği ~ 6 x D

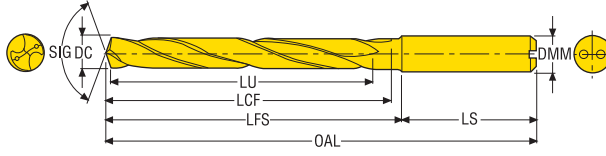


- Silindirik sap
- İçten soğutma sıvısı
- Uç nokta açısı: 140°
- Kaplama: TiAlN
- Delik toleransı: IT9
- Kesme verileri için, bakınız sayfa 152

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	DMM
		mm Inç	mm Inç	mm Inç	mm Inç	mm Inç
SD206A-1.00-6.0-3R1	02731658	1,0 0.039	6,0 0.236	38,0 1.496	8,0 0.315	3,0 0.118
SD206A-1.10-6.6-3R1	02731659	1,1 0.043	6,6 0.260	38,0 1.496	8,6 0.339	3,0 0.118
SD206A-1.20-7.2-3R1	02731660	1,2 0.047	7,2 0.283	38,0 1.496	9,2 0.362	3,0 0.118
SD206A-1.30-7.8-3R1	02731661	1,3 0.051	7,8 0.307	38,0 1.496	9,8 0.386	3,0 0.118
SD206A-1.40-8.4-3R1	02731662	1,4 0.055	8,4 0.331	38,0 1.496	10,4 0.409	3,0 0.118
SD206A-1.50-9.0-3R1	02731663	1,5 0.059	9,0 0.354	38,0 1.496	11,0 0.433	3,0 0.118
SD206A-1.60-9.6-3R1	02731664	1,6 0.063	9,6 0.378	38,0 1.496	11,6 0.457	3,0 0.118
SD206A-1.70-10.2-3R1	02731665	1,7 0.067	10,2 0.402	38,0 1.496	12,2 0.480	3,0 0.118
SD206A-1.80-10.8-3R1	02731666	1,8 0.071	10,8 0.425	38,0 1.496	12,8 0.504	3,0 0.118
SD206A-1.90-11.4-3R1	02731667	1,9 0.075	11,4 0.449	38,0 1.496	13,4 0.528	3,0 0.118
SD206A-2.00-12.0-3R1	02731668	2,0 0.079	12,0 0.472	50,0 1.969	14,0 0.551	3,0 0.118

SD207A-P

Delme derinliği ~ 7 x D – Metrik



- Silindirik sap DIN 6537A
- İçten soğutma sıvısı
- Uç nokta açısı: 140°
- Kaplama: TiAlN
- Delik toleransı: IT9
- Kesme verileri için, bakınız sayfa 153
- Ara çaplar için lütfen MyDesign programına bakınız

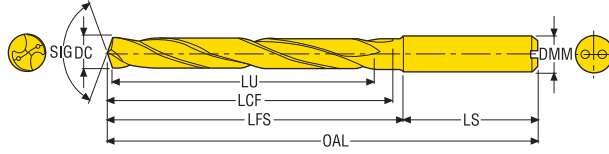
Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD207A-0300-030-06R1-P	03046358	3,0 0.118	30,0 1.181	74,0 2.913	38,0 1.496	36,0 1.417	36,0 1.417	6,0 0.236
SD207A-0330-030-06R1-P	03046359	3,3 0.130	30,0 1.181	74,0 2.913	38,0 1.496	36,0 1.417	36,0 1.417	6,0 0.236
SD207A-0350-030-06R1-P	03046360	3,5 0.138	30,0 1.181	74,0 2.913	38,0 1.496	36,0 1.417	36,0 1.417	6,0 0.236
SD207A-0400-037-06R1-P	03046361	4,0 0.157	37,0 1.457	82,0 3.228	46,0 1.811	36,0 1.417	43,0 1.693	6,0 0.236
SD207A-0450-037-06R1-P	03046412	4,5 0.177	37,0 1.457	82,0 3.228	46,0 1.811	36,0 1.417	43,0 1.693	6,0 0.236
SD207A-0480-045-06R1-P	03046413	4,8 0.189	45,0 1.772	94,0 3.701	58,0 2.283	36,0 1.417	56,0 2.205	6,0 0.236
SD207A-0500-045-06R1-P	03046414	5,0 0.197	45,0 1.772	94,0 3.701	58,0 2.283	36,0 1.417	56,0 2.205	6,0 0.236
SD207A-0520-045-06R1-P	03046362	5,2 0.205	45,0 1.772	94,0 3.701	58,0 2.283	36,0 1.417	56,0 2.205	6,0 0.236
SD207A-0550-045-06R1-P	03046363	5,5 0.217	45,0 1.772	94,0 3.701	58,0 2.283	36,0 1.417	56,0 2.205	6,0 0.236
SD207A-0580-045-06R1-P	03046407	5,8 0.228	45,0 1.772	94,0 3.701	58,0 2.283	36,0 1.417	56,0 2.205	6,0 0.236
SD207A-0600-045-06R1-P	03046364	6,0 0.236	45,0 1.772	94,0 3.701	58,0 2.283	36,0 1.417	56,0 2.205	6,0 0.236
SD207A-0635-057-08R1-P	03046365	6,35 0.250	57,0 2.244	110,0 4.331	74,0 2.913	36,0 1.417	67,0 2.638	8,0 0.315
SD207A-0650-057-08R1-P	03046366	6,5 0.256	57,0 2.244	110,0 4.331	74,0 2.913	36,0 1.417	67,0 2.638	8,0 0.315
SD207A-0680-057-08R1-P	03046367	6,8 0.268	57,0 2.244	110,0 4.331	74,0 2.913	36,0 1.417	67,0 2.638	8,0 0.315
SD207A-0690-057-08R1-P	03046368	6,9 0.272	57,0 2.244	110,0 4.331	74,0 2.913	36,0 1.417	67,0 2.638	8,0 0.315
SD207A-0700-057-08R1-P	03046369	7,0 0.276	57,0 2.244	110,0 4.331	74,0 2.913	36,0 1.417	67,0 2.638	8,0 0.315
SD207A-0750-057-08R1-P	03046370	7,5 0.295	57,0 2.244	110,0 4.331	74,0 2.913	36,0 1.417	72,0 2.835	8,0 0.315
SD207A-0780-057-08R1-P	03046371	7,8 0.307	57,0 2.244	110,0 4.331	74,0 2.913	36,0 1.417	72,0 2.835	8,0 0.315
SD207A-0800-057-08R1-P	03046372	8,0 0.315	57,0 2.244	110,0 4.331	74,0 2.913	36,0 1.417	72,0 2.835	8,0 0.315
SD207A-0850-062-10R1-P	03046373	8,5 0.335	62,0 2.441	122,0 4.803	82,0 3.228	40,0 1.575	80,0 3.150	10,0 0.394
SD207A-0860-062-10R1-P	03046374	8,6 0.339	62,0 2.441	122,0 4.803	82,0 3.228	40,0 1.575	80,0 3.150	10,0 0.394

Giriş	Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM
			mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
	SD207A-0870-062-10R1-P	03046411	8,7 0.343	62,0 2.441	122,0 4.803	82,0 3.228	40,0 1.575	80,0 3.150	10,0 0.394
	SD207A-0880-062-10R1-P	03046408	8,8 0.346	62,0 2.441	122,0 4.803	82,0 3.228	40,0 1.575	80,0 3.150	10,0 0.394
	SD207A-0900-062-10R1-P	03046375	9,0 0.354	62,0 2.441	122,0 4.803	82,0 3.228	40,0 1.575	80,0 3.150	10,0 0.394
	SD207A-0950-062-10R1-P	03046376	9,5 0.374	62,0 2.441	122,0 4.803	82,0 3.228	40,0 1.575	80,0 3.150	10,0 0.394
	SD207A-0953-062-10R1-P	03046377	9,525 0.375	62,0 2.441	122,0 4.803	82,0 3.228	40,0 1.575	80,0 3.150	10,0 0.394
	SD207A-0975-062-10R1-P	03046402	9,75 0.384	62,0 2.441	122,0 4.803	82,0 3.228	40,0 1.575	80,0 3.150	10,0 0.394
	SD207A-0980-062-10R1-P	03046403	9,8 0.386	62,0 2.441	122,0 4.803	82,0 3.228	40,0 1.575	80,0 3.150	10,0 0.394
	SD207A-1000-062-10R1-P	03046378	10,0 0.394	62,0 2.441	122,0 4.803	82,0 3.228	40,0 1.575	80,0 3.150	10,0 0.394
	SD207A-1020-072-12R1-P	03046379	10,2 0.402	72,0 2.835	141,0 5.551	96,0 3.780	45,0 1.772	94,0 3.701	12,0 0.472
	SD207A-1040-072-12R1-P	03046401	10,4 0.409	72,0 2.835	141,0 5.551	96,0 3.780	45,0 1.772	94,0 3.701	12,0 0.472
	SD207A-1050-072-12R1-P	03046380	10,5 0.413	72,0 2.835	141,0 5.551	96,0 3.780	45,0 1.772	94,0 3.701	12,0 0.472
	SD207A-1080-072-12R1-P	03046404	10,8 0.425	72,0 2.835	141,0 5.551	96,0 3.780	45,0 1.772	94,0 3.701	12,0 0.472
	SD207A-1100-072-12R1-P	03046381	11,0 0.433	72,0 2.835	141,0 5.551	96,0 3.780	45,0 1.772	94,0 3.701	12,0 0.472
	SD207A-1150-072-12R1-P	03046382	11,5 0.453	72,0 2.835	141,0 5.551	96,0 3.780	45,0 1.772	94,0 3.701	12,0 0.472
	SD207A-1180-072-12R1-P	03046405	11,8 0.465	72,0 2.835	141,0 5.551	96,0 3.780	45,0 1.772	94,0 3.701	12,0 0.472
	SD207A-1200-072-12R1-P	03046383	12,0 0.472	72,0 2.835	141,0 5.551	96,0 3.780	45,0 1.772	94,0 3.701	12,0 0.472
	SD207A-1225-083-14R1-P	03046415	12,25 0.482	83,0 3.268	155,0 6.102	110,0 4.331	45,0 1.772	108,0 4.252	14,0 0.551
	SD207A-1250-083-14R1-P	03046384	12,5 0.492	83,0 3.268	155,0 6.102	110,0 4.331	45,0 1.772	108,0 4.252	14,0 0.551
	SD207A-1270-083-14R1-P	03046385	12,7 0.500	83,0 3.268	155,0 6.102	110,0 4.331	45,0 1.772	108,0 4.252	14,0 0.551
	SD207A-1280-083-14R1-P	03046416	12,8 0.504	83,0 3.268	155,0 6.102	110,0 4.331	45,0 1.772	108,0 4.252	14,0 0.551
	SD207A-1300-083-14R1-P	03046386	13,0 0.512	83,0 3.268	155,0 6.102	110,0 4.331	45,0 1.772	108,0 4.252	14,0 0.551
	SD207A-1350-083-14R1-P	03046387	13,5 0.531	83,0 3.268	155,0 6.102	110,0 4.331	45,0 1.772	108,0 4.252	14,0 0.551
	SD207A-1380-083-14R1-P	03046409	13,8 0.543	83,0 3.268	155,0 6.102	110,0 4.331	45,0 1.772	108,0 4.252	14,0 0.551
	SD207A-1400-083-14R1-P	03046388	14,0 0.551	83,0 3.268	155,0 6.102	110,0 4.331	45,0 1.772	108,0 4.252	14,0 0.551
	SD207A-1425-092-16R1-P	03046417	14,25 0.561	92,0 3.622	171,0 6.732	123,0 4.843	48,0 1.890	121,0 4.764	16,0 0.630
	SD207A-1450-092-16R1-P	03046389	14,5 0.571	92,0 3.622	171,0 6.732	123,0 4.843	48,0 1.890	121,0 4.764	16,0 0.630
	SD207A-1480-092-16R1-P	03046418	14,8 0.583	92,0 3.622	171,0 6.732	123,0 4.843	48,0 1.890	121,0 4.764	16,0 0.630
	SD207A-1500-092-16R1-P	03046390	15,0 0.591	92,0 3.622	171,0 6.732	123,0 4.843	48,0 1.890	121,0 4.764	16,0 0.630
	SD207A-1550-092-16R1-P	03046391	15,5 0.610	92,0 3.622	171,0 6.732	123,0 4.843	48,0 1.890	121,0 4.764	16,0 0.630
	SD207A-1580-092-16R1-P	03046410	15,8 0.622	92,0 3.622	171,0 6.732	123,0 4.843	48,0 1.890	121,0 4.764	16,0 0.630
	SD207A-1600-092-16R1-P	03046392	16,0 0.630	92,0 3.622	171,0 6.732	123,0 4.843	48,0 1.890	121,0 4.764	16,0 0.630

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD207A-1650-103-18R1-P	03046393	16,5 0.650	103,0 4.055	185,0 7.283	137,0 5.394	48,0 1.890	135,0 5.315	18,0 0.709
SD207A-1680-103-18R1-P	03046419	16,8 0.661	103,0 4.055	185,0 7.283	137,0 5.394	48,0 1.890	135,0 5.315	18,0 0.709
SD207A-1700-103-18R1-P	03046394	17,0 0.669	103,0 4.055	185,0 7.283	137,0 5.394	48,0 1.890	135,0 5.315	18,0 0.709
SD207A-1750-103-18R1-P	03046395	17,5 0.689	103,0 4.055	185,0 7.283	137,0 5.394	48,0 1.890	135,0 5.315	18,0 0.709
SD207A-1780-103-18R1-P	03046420	17,8 0.701	103,0 4.055	185,0 7.283	137,0 5.394	48,0 1.890	135,0 5.315	18,0 0.709
SD207A-1800-103-18R1-P	03046396	18,0 0.709	103,0 4.055	185,0 7.283	137,0 5.394	48,0 1.890	135,0 5.315	18,0 0.709
SD207A-1850-112-20R1-P	03046397	18,5 0.728	112,0 4.409	200,0 7.874	150,0 5.906	50,0 1.969	148,0 5.827	20,0 0.787
SD207A-1880-112-20R1-P	03046421	18,8 0.740	112,0 4.409	200,0 7.874	150,0 5.906	50,0 1.969	148,0 5.827	20,0 0.787
SD207A-1900-112-20R1-P	03046398	19,0 0.748	112,0 4.409	200,0 7.874	150,0 5.906	50,0 1.969	148,0 5.827	20,0 0.787
SD207A-1905-112-20R1-P	03046399	19,05 0.750	112,0 4.409	200,0 7.874	150,0 5.906	50,0 1.969	148,0 5.827	20,0 0.787
SD207A-1980-112-20R1-P	03046406	19,8 0.780	112,0 4.409	200,0 7.874	150,0 5.906	50,0 1.969	148,0 5.827	20,0 0.787
SD207A-2000-112-20R1-P	03046400	20,0 0.787	112,0 4.409	200,0 7.874	150,0 5.906	50,0 1.969	148,0 5.827	20,0 0.787

SD216A

Delme derinliği ~ 16 x D

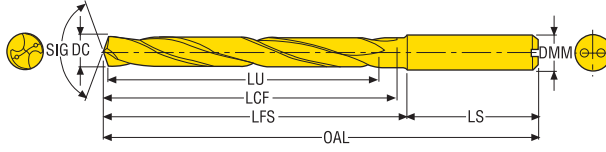


- Silindirik sap DIN 6537A
- İçten soğutma sıvısı
- Uç nokta açısı: 136°
- Kaplama: TiAlN + TiN
- Delik toleransı: IT9
- Kesme verileri için, bakınız sayfa 154
- Ara çaplar için lütfen MyDesign programına bakınız

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD216A-3.0-50-4R1	02712383	3,0 0.118	50,0 1.969	88,0 3.465	61,0 2.402	27,0 1.063	56,0 2.205	4,0 0.157
SD216A-3.5-60-4R1	02712384	3,5 0.138	60,0 2.362	99,0 3.898	72,0 2.835	27,0 1.063	67,0 2.638	4,0 0.157
SD216A-4.0-60-4R1	02712385	4,0 0.157	60,0 2.362	99,0 3.898	72,0 2.835	27,0 1.063	67,0 2.638	4,0 0.157
SD216A-4.5-70-6R1	02712386	4,5 0.177	70,0 2.756	117,0 4.606	81,0 3.189	36,0 1.417	79,0 3.110	6,0 0.236
SD216A-5.0-90-6R1	02637529	5,0 0.197	90,0 3.543	142,0 5.591	106,0 4.173	36,0 1.417	103,0 4.055	6,0 0.236
SD216A-5.5-90-6R1	02637530	5,5 0.217	90,0 3.543	142,0 5.591	106,0 4.173	36,0 1.417	103,0 4.055	6,0 0.236
SD216A-6.0-90-6R1	02637531	6,0 0.236	90,0 3.543	142,0 5.591	106,0 4.173	36,0 1.417	103,0 4.055	6,0 0.236
SD216A-6.35-120-8R1	02656536	6,35 0.250	120,0 4.724	177,0 6.969	141,0 5.551	36,0 1.417	137,0 5.394	8,0 0.315
SD216A-6.5-120-8R1	02637532	6,5 0.256	120,0 4.724	177,0 6.969	141,0 5.551	36,0 1.417	137,0 5.394	8,0 0.315
SD216A-7.0-120-8R1	02637533	7,0 0.276	120,0 4.724	177,0 6.969	141,0 5.551	36,0 1.417	137,0 5.394	8,0 0.315
SD216A-7.5-120-8R1	02637534	7,5 0.295	120,0 4.724	177,0 6.969	141,0 5.551	36,0 1.417	137,0 5.394	8,0 0.315
SD216A-8.0-120-8R1	02637536	8,0 0.315	120,0 4.724	177,0 6.969	141,0 5.551	36,0 1.417	137,0 5.394	8,0 0.315
SD216A-8.5-150-10R1	02637539	8,5 0.335	150,0 5.906	216,0 8.504	176,0 6.929	40,0 1.575	172,0 6.772	10,0 0.394
SD216A-9.0-150-10R1	02637540	9,0 0.354	150,0 5.906	216,0 8.504	176,0 6.929	40,0 1.575	172,0 6.772	10,0 0.394
SD216A-9.5-150-10R1	02637541	9,5 0.374	150,0 5.906	216,0 8.504	176,0 6.929	40,0 1.575	172,0 6.772	10,0 0.394
SD216A-9.52-150-10R1	02656537	9,52 0.375	150,0 5.906	216,0 8.504	176,0 6.929	40,0 1.575	172,0 6.772	10,0 0.394
SD216A-10.0-150-10R1	02637542	10,0 0.394	150,0 5.906	216,0 8.504	176,0 6.929	40,0 1.575	172,0 6.772	10,0 0.394
SD216A-10.5-180-12R1	02637543	10,5 0.413	180,0 7.087	256,0 10.079	211,0 8.307	45,0 1.772	207,0 8.150	12,0 0.472
SD216A-11.0-180-12R1	02637544	11,0 0.433	180,0 7.087	256,0 10.079	211,0 8.307	45,0 1.772	207,0 8.150	12,0 0.472
SD216A-11.5-180-12R1	02637545	11,5 0.453	180,0 7.087	256,0 10.079	211,0 8.307	45,0 1.772	207,0 8.150	12,0 0.472
SD216A-12.0-180-12R1	02637546	12,0 0.472	180,0 7.087	256,0 10.079	211,0 8.307	45,0 1.772	207,0 8.150	12,0 0.472

SD230A

Delme derinliği ~ 30 x D



- Silindirik sap DIN 6537A
- İçten soğutma sıvısı
- Uç nokta açısı: 136°
- Kaplama: TiAlN + TiN
- Delik toleransı: IT9
- Kesme verileri için, bakınız sayfa 155
- Ara çaplar için lütfen MyDesign programına bakınız

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD230A-4.0-112-4R1	02712361	4,0 0.157	112,0 4.409	151,0 5.945	124,0 4.882	27,0 1.063	119,0 4.685	4,0 0.157
SD230A-4.5-135-6R1	02712362	4,5 0.177	135,0 5.315	185,0 7.283	149,0 5.866	36,0 1.417	145,0 5.709	6,0 0.236
SD230A-5.0-170-6R1	02712363	5,0 0.197	170,0 6.693	220,0 8.661	184,0 7.244	36,0 1.417	180,0 7.087	6,0 0.236
SD230A-5.5-170-6R1	02712364	5,5 0.217	170,0 6.693	220,0 8.661	184,0 7.244	36,0 1.417	180,0 7.087	6,0 0.236
SD230A-6.0-170-6R1	02712365	6,0 0.236	170,0 6.693	220,0 8.661	184,0 7.244	36,0 1.417	180,0 7.087	6,0 0.236
SD230A-02500-886-0315R1	02712366	6,35 0.250	225,0 8.858	279,0 10.984	243,0 9.567	36,0 1.417	239,0 9.409	8,0 0.315
SD230A-6.5-225-8R1	02712367	6,5 0.256	225,0 8.858	279,0 10.984	243,0 9.567	36,0 1.417	239,0 9.409	8,0 0.315
SD230A-7.0-225-8R1	02712370	7,0 0.276	225,0 8.858	279,0 10.984	243,0 9.567	36,0 1.417	239,0 9.409	8,0 0.315
SD230A-7.5-225-8R1	02712371	7,5 0.295	225,0 8.858	279,0 10.984	243,0 9.567	36,0 1.417	239,0 9.409	8,0 0.315
SD230A-03125-886-0315R1	02712374	7,938 0.313	225,0 8.858	279,0 10.984	243,0 9.567	36,0 1.417	239,0 9.409	8,0 0.315
SD230A-8.0-225-8R1	02712376	8,0 0.315	225,0 8.858	279,0 10.984	243,0 9.567	36,0 1.417	239,0 9.409	8,0 0.315
SD230A-8.5-285-10R1	02712378	8,5 0.335	285,0 11.220	346,0 13.622	306,0 12.047	40,0 1.575	302,0 11.890	10,0 0.394
SD230A-9.0-285-10R1	02712379	9,0 0.354	285,0 11.220	346,0 13.622	306,0 12.047	40,0 1.575	302,0 11.890	10,0 0.394
SD230A-9.5-285-10R1	02712380	9,5 0.374	285,0 11.220	346,0 13.622	306,0 12.047	40,0 1.575	302,0 11.890	10,0 0.394
SD230A-03750-1122-0394R1	02712381	9,525 0.375	285,0 11.220	346,0 13.622	306,0 12.047	40,0 1.575	302,0 11.890	10,0 0.394
SD230A-10.0-285-10R1	02712382	10,0 0.394	285,0 11.220	346,0 13.622	306,0 12.047	40,0 1.575	302,0 11.890	10,0 0.394



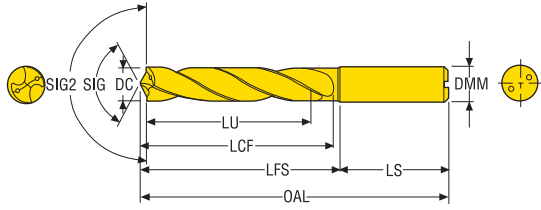
Feedmax™ SD245A

Seco Feedmax SD245A solid karbür matkaplar, düzensiz çıkışların bulunduğu ve çapraz delik darbeli işleme yapılan delik açma uygulamalarında yüksek seviyede tutarlılık ve genel olarak iyileştirilmiş işleme performansı sağlar. Aşağıdaki özellikler, kullanıcının iyi bir delik geometrisi elde etmesini sağlar:

- Dört kenar düzlüğü
- Optimize edilmiş kendi kendini merkezleyen nokta
- Aşınmaya karşı son derece dayanıklı TiAlN+TiN kaplama
- Gelişmiş kenar hazırlama

SD245A

Delme derinliği ~ 5 x D



- Silindirik sap DIN 6537A
- İçten soğutma sıvısı
- Uç nokta açısı: 140°/180°
- Kaplama: TiAIN + TiN
- Delik toleransı: IT8
- Kesme verileri için, bakınız sayfa 156
- Ara çaplar için lütfen MyDesign programına bakınız

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD245A-5.0-32-6R1	02691683	5,0 0.197	32,0 1.260	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD245A-6.0-32-6R1	02691684	6,0 0.236	32,0 1.260	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD245A-02500-138-0315R1	02691686	6,35 0.2500	35,0 1.378	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD245A-6.5-35-8R1	02691687	6,5 0.256	35,0 1.378	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD245A-02656-157-0315R1	02691688	6,747 0.2656	40,0 1.575	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD245A-6.8-40-8R1	02691689	6,8 0.268	40,0 1.575	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD245A-7.0-40-8R1	02691690	7,0 0.276	40,0 1.575	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD245A-02813-157-0315R1	02691691	7,144 0.2813	40,0 1.575	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD245A-7.5-40-8R1	02691692	7,5 0.295	40,0 1.575	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD245A-03125-165-0315R1	02691693	7,938 0.3125	42,0 1.654	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD245A-8.0-42-8R1	02691694	8,0 0.315	42,0 1.654	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD245A-8.5-42-10R1	02691695	8,5 0.335	42,0 1.654	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394
SD245A-9.0-45-10R1	02546059	9,0 0.354	45,0 1.772	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394
SD245A-9.5-45-10R1	02691696	9,5 0.374	45,0 1.772	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394
SD245A-03750-189-0394R1	02691697	9,525 0.3750	48,0 1.890	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394
SD245A-10.0-48-10R1	02536888	10,0 0.394	48,0 1.890	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394
SD245A-10.2-48-12R1	02691699	10,2 0.402	48,0 1.890	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472
SD245A-04063-189-0472R1	02691700	10,319 0.4063	48,0 1.890	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472
SD245A-10.5-48-12R1	02691701	10,5 0.413	48,0 1.890	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472
SD245A-11.0-56-12R1	02561860	11,0 0.433	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472
SD245A-04375-221-0472R1	02691702	11,113 0.4375	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472

Giriş	Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM
			mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
	SD245A-11.5-56-12R1	02691704	11,5 0.453	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472
	SD245A-12.0-56-12R1	02691705	12,0 0.472	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472
	SD245A-12.5-56-14R1	02691706	12,5 0.492	56,0 2.205	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551
	SD245A-0500-221-0551R1	02691707	12,7 0.500	56,0 2.205	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551
	SD245A-13.0-56-14R1	02691708	13,0 0.512	56,0 2.205	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551
	SD245A-05312-232-0551R1	02691709	13,494 0.5312	59,0 2.323	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551
	SD245A-13.5-59-14R1	02691710	13,5 0.531	59,0 2.323	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551
Delme	SD245A-14.0-59-14R1	02691711	14,0 0.551	59,0 2.323	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551



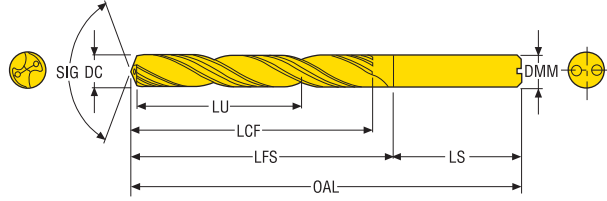
Feedmax™ SD265A

Seco Feedmax SD265A IT 7 yüksek hassasiyetli matkaplar kusursuz hassasiyet sunar. Ayrıca, bir SD265A matkap birden fazla takımın yerini alabilir ve karmaşık delme görevlerini basitleştirebilir. Aşağıdaki özellikler kullanıcının tek seferde delik açmasını sağlar:

- Optimize edilmiş matkap geometrisi ve kendi kendini merkezleyen nokta
- Toplam 6 yüzey kenar düzlüğü
- Dar üretim toleransları ($\pm 3 \mu$)
- Düşük sürtünme ve mükemmel aşınma direnci için TiAlN kaplama

SD265A

Delme derinliği ~ 5 x D



- Silindirik sap DIN 6537A
- İçten soğutma sıvısı
- Uç nokta açısı: 140°
- Kaplama: TiAlN + TiN
- Delik toleransı: IT7
- Kesme verileri için, bakınız sayfa 157
- Ara çaplar için lütfen MyDesign programına bakınız
- Dübül pim standardı ANSI / ASME B18.8.2-1995

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD265A-6.006-32-6R1	02691714	6,006 0.236	32,0 1.260	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD265A-02497-138-0315R1	02722876	6,35 0.250	35,0 1.378	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD265A-03122-165-0315R1	02722877	7,938 0.313	42,0 1.654	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD265A-8.008-42-8R1	02691715	8,008 0.315	42,0 1.654	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD265A-03747-189-0394R1	02722878	9,525 0.375	48,0 1.890	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394
SD265A-10.008-48-10R1	02691716	10,008 0.394	48,0 1.890	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394
SD265A-12.009-56-12R1	02691717	12,009 0.473	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472
SD265A-04997-221-0551R1	02722879	12,7 0.500	56,0 2.205	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551
SD265A-14.009-59-14R1	02691718	14,009 0.552	59,0 2.323	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551
SD265A-16.009-62-16R1	02691719	16,009 0.630	62,0 2.441	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630

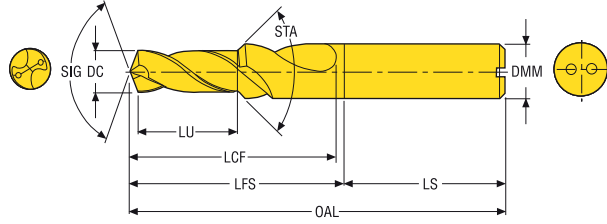


Feedmax™ – Pahlı matkaplar

Seco Feedmax™ pahlı matkaplar, verimliliği en üst düzeye çıkarmak için delme ve pah kırma işlemlerini tek bir işlemde birleştirir. Standart stoklu ürün çeşitleri, M4'ten M16'ya kadar yaygın standart metrik dişler için ön delik uygulamalarını kapsar.

- Özel tasarım delik başına maliyeti en aza indirir ve verimliliği artırır
- Özel düşük sürtünmeli kaplama, yüksek ısı sertliği ve mükemmel talaş kaldırma sağlar
- Kendi kendini merkezleyen geometri, 45 derecelik (90 derece dahil açı) pah açısı kullanarak yüksek delik kalitesi sağlar

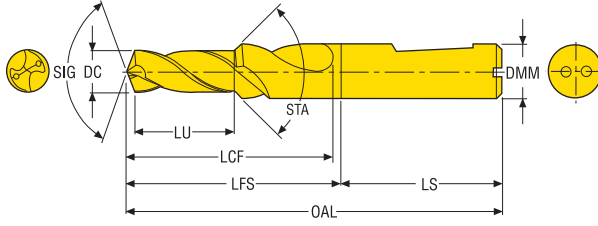
Havşalı matkaplar – M4-M16 Diş



- Silindirik sap DIN 6537A
- İçten soğutma sıvısı
- Kaplama: TiAlN + TiN
- Delik toleransı: IT8-9
- Dahil edilmiş pah açısı = 90°
- Kesme verileri için, bakınız sayfa 147, 148

Ürün Tanımı	Ürün numarası	Kılavuz diş tipi	Kılavuz diş ebadı	DC	LU	OAL	LFS	LS	LCF	DMM
				mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD203A-C45-3.3-11.4-6R1	02500320	Standart diş Metrik	M4	3,3 0.130	11,4 0.449	66,0 2.598	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236
SD203A-C45-3.4-11.4-6R1	02500323	Standart diş Metrik	M4	3,4 0.134	11,4 0.449	66,0 2.598	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236
SD203A-C45-4.2-13.6-6R1	02500324	Standart diş Metrik	M5	4,2 0.165	13,6 0.535	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236
SD203A-C45-4.3-13.6-6R1	02500325	Standart diş Metrik	M5	4,3 0.169	13,6 0.535	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236
SD203A-C45-5.0-16.5-8R1	02500326	Standart diş Metrik	M6	5,0 0.197	16,5 0.650	79,0 3.110	43,0 1.693	36,0 1.417	28,0 1.102	8,0 0.315
SD203A-C45-5.1-16.5-8R1	02500327	Standart diş Metrik	M6	5,1 0.201	16,5 0.650	79,0 3.110	43,0 1.693	36,0 1.417	28,0 1.102	8,0 0.315
SD203A-C45-6.8-21-10R1	02500328	Standart diş Metrik	M8	6,8 0.268	21,0 0.827	89,0 3.504	49,0 1.929	40,0 1.575	34,0 1.339	10,0 0.394
SD203A-C45-6.9-21-10R1	02500330	Standart diş Metrik	M8	6,9 0.272	21,0 0.827	89,0 3.504	49,0 1.929	40,0 1.575	34,0 1.339	10,0 0.394
SD203A-C45-7.0-21-10R1	02500331	İnce diş metrik	M8x1.0	7,0 0.276	21,0 0.827	89,0 3.504	49,0 1.929	40,0 1.575	34,0 1.339	10,0 0.394
SD203A-C45-8.5-25.5-12R1	02500333	Standart diş Metrik	M10	8,5 0.335	25,5 1.004	102,0 4.016	57,0 2.244	45,0 1.772	47,0 1.850	12,0 0.472
SD203A-C45-8.7-25.5-12R1	02500334	Standart diş Metrik	M10	8,7 0.343	25,5 1.004	102,0 4.016	57,0 2.244	45,0 1.772	47,0 1.850	12,0 0.472
SD203A-C45-9.0-25.5-12R1	02500340	İnce diş metrik	M10x1.0	9,0 0.354	25,5 1.004	102,0 4.016	57,0 2.244	45,0 1.772	47,0 1.850	12,0 0.472
SD203A-C45-10.2-30.0-14R1	02500342	Standart diş Metrik	M12	10,2 0.402	30,0 1.181	107,0 4.213	62,0 2.441	45,0 1.772	55,0 2.165	14,0 0.551
SD203A-C45-10.4-30.0-14R1	02500343	Standart diş Metrik	M12	10,4 0.409	30,0 1.181	107,0 4.213	62,0 2.441	45,0 1.772	55,0 2.165	14,0 0.551
SD203A-C45-10.5-30.0-14R1	02500344	İnce diş metrik	M12x1.5	10,5 0.413	34,5 1.358	107,0 4.213	62,0 2.441	45,0 1.772	55,0 2.165	14,0 0.551
SD203A-C45-12.0-34.5-16R1	02500346	Standart diş Metrik	M14	12,0 0.472	34,5 1.358	115,0 4.528	70,0 2.756	45,0 1.772	60,0 2.362	16,0 0.630
SD203A-C45-12.25-34.5-16R1	02500348	Standart diş Metrik	M14	12,25 0.482	34,5 1.358	115,0 4.528	70,0 2.756	45,0 1.772	60,0 2.362	16,0 0.630
SD203A-C45-12.5-34.5-16R1	02500349	İnce diş metrik	M14x1.5	12,5 0.492	34,5 1.358	115,0 4.528	70,0 2.756	45,0 1.772	60,0 2.362	16,0 0.630
SD203A-C45-14.0-38.5-18R1	02500350	Standart diş Metrik	M16	14,0 0.551	38,5 1.516	123,0 4.843	75,0 2.953	48,0 1.890	65,0 2.559	18,0 0.709
SD203A-C45-14.25-38.5-18R1	02500354	Standart diş Metrik	M16	14,25 0.561	38,5 1.516	123,0 4.843	75,0 2.953	48,0 1.890	65,0 2.559	18,0 0.709
SD203A-C45-14.5-38.5-18R1	02500356	İnce diş metrik	M16x1.5	14,5 0.571	38,5 1.516	123,0 4.843	75,0 2.953	48,0 1.890	65,0 2.559	18,0 0.709

Havşalı matkaplar – M4-M16 Diş

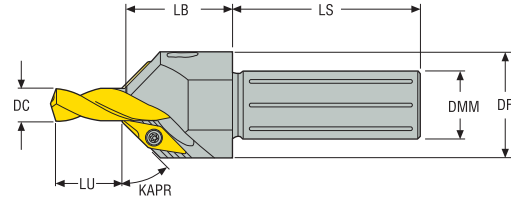


- Whistle Notch sap DIN 6537B
- İçten soğutma sıvısı
- Kaplama: TiAlN + TiN
- Delik toleransı: IT8-9
- Dahil edilmiş pah açısı = 90°
- Kesme verileri için, bakınız sayfa 147, 148

Ürün Tanımı	Ürün numarası	Kılavuz diş tipi	Kılavuz diş ebadı	DC	LU	OAL	LFS	LS	LCF	DMM
				mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD203A-C45-3.3-11.4-6R5	02500382	Standart diş Metrik	M4	3,3 0.130	11,4 0.449	66,0 2.598	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236
SD203A-C45-3.4-11.4-6R5	02500383	Standart diş Metrik	M4	3,4 0.134	11,4 0.449	66,0 2.598	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236
SD203A-C45-4.2-13.6-6R5	02500391	Standart diş Metrik	M5	4,2 0.165	13,6 0.535	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236
SD203A-C45-4.3-13.6-6R5	02500392	Standart diş Metrik	M5	4,3 0.169	13,6 0.535	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236
SD203A-C45-5.0-16.5-8R5	02500393	Standart diş Metrik	M6	5,0 0.197	16,5 0.650	79,0 3.110	43,0 1.693	36,0 1.417	28,0 1.102	8,0 0.315
SD203A-C45-5.1-16.5-8R5	02500394	Standart diş Metrik	M6	5,1 0.201	16,5 0.650	79,0 3.110	43,0 1.693	36,0 1.417	28,0 1.102	8,0 0.315
SD203A-C45-6.8-21.0-10R5	02500395	Standart diş Metrik	M8	6,8 0.268	21,0 0.827	89,0 3.504	49,0 1.929	40,0 1.575	34,0 1.339	10,0 0.394
SD203A-C45-6.9-21.0-10R5	02500396	Standart diş Metrik	M8	6,9 0.272	21,0 0.827	89,0 3.504	49,0 1.929	40,0 1.575	34,0 1.339	10,0 0.394
SD203A-C45-7.0-21.0-10R5	02500398	İnce diş metrik	M8x1.0	7,0 0.276	21,0 0.827	89,0 3.504	49,0 1.929	40,0 1.575	34,0 1.339	10,0 0.394
SD203A-C45-8.5-25.5-12R5	02500401	Standart diş Metrik	M10	8,5 0.335	25,5 1.004	102,0 4.016	57,0 2.244	45,0 1.772	47,0 1.850	12,0 0.472
SD203A-C45-8.7-25.5-12R5	02500403	Standart diş Metrik	M10	8,7 0.343	25,5 1.004	102,0 4.016	57,0 2.244	45,0 1.772	47,0 1.850	12,0 0.472
SD203A-C45-9.0-25.5-12R5	02500410	İnce diş metrik	M10x1.0	9,0 0.354	25,5 1.004	102,0 4.016	57,0 2.244	45,0 1.772	47,0 1.850	12,0 0.472
SD203A-C45-10.2-30.0-14R5	02500412	Standart diş Metrik	M12	10,2 0.402	30,0 1.181	107,0 4.213	62,0 2.441	45,0 1.772	55,0 2.165	14,0 0.551
SD203A-C45-10.4-30.0-14R5	02500414	Standart diş Metrik	M12	10,4 0.409	30,0 1.181	107,0 4.213	62,0 2.441	45,0 1.772	55,0 2.165	14,0 0.551
SD203A-C45-10.5-30.0-14R5	02500416	İnce diş metrik	M12x1.5	10,5 0.413	34,5 1.358	107,0 4.213	62,0 2.441	45,0 1.772	55,0 2.165	14,0 0.551
SD203A-C45-12.0-34.5-16R5	02500417	Standart diş Metrik	M14	12,0 0.472	34,5 1.358	115,0 4.528	70,0 2.756	45,0 1.772	60,0 2.362	16,0 0.630
SD203A-C45-12.25-34.5-16R5	02500418	Standart diş Metrik	M14	12,25 0.482	34,5 1.358	115,0 4.528	70,0 2.756	45,0 1.772	60,0 2.362	16,0 0.630
SD203A-C45-12.5-34.5-16R5	02500420	İnce diş metrik	M14x1.5	12,5 0.492	34,5 1.358	115,0 4.528	70,0 2.756	45,0 1.772	60,0 2.362	16,0 0.630
SD203A-C45-14.0-38.5-18R5	02500423	Standart diş Metrik	M16	14,0 0.551	38,5 1.516	123,0 4.843	75,0 2.953	48,0 1.890	65,0 2.559	18,0 0.709
SD203A-C45-14.25-38.5-18R5	02500424	Standart diş Metrik	M16	14,25 0.561	38,5 1.516	123,0 4.843	75,0 2.953	48,0 1.890	65,0 2.559	18,0 0.709
SD203A-C45-14.5-38.5-18R5	02500425	İnce diş metrik	M16x1.5	14,5 0.571	38,5 1.516	123,0 4.843	75,0 2.953	48,0 1.890	65,0 2.559	18,0 0.709

Havşa modülü






Metrik



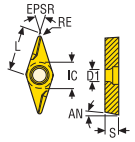
Delme derinliği LU

Ürün Tanımı	Ürün numarası	DC	Delme derinliği LU			Maks. havşa derinliği	LB	DF	LS	DMM	KAPR°
			3 x D LU (min-max)	5 x D LU (min-max)	7 x D LU (min-max)						
SD200-C45-6R1	02510275	4,01-6,1	4,0-17,0	10,0-27,0	30,0-45,0	2,8	25,0	21,0	41,0	12,0	45,0
SD200-C45-8R1	02510278	6,01-8,0	15,0-27,0	24,0-35,0	42,0-57,0	2,8	25,0	25,0	44,5	16,0	45,0
SD200-C45-10R1	02510280	8,01-10,0	17,0-31,0	34,0-48,0	47,0-62,0	2,8	25,0	25,0	44,5	16,0	45,0
SD200-C45-12R1	02510281	10,01-12,0	21,0-36,0	40,0-56,0	57,0-72,0	2,8	25,0	28,0	46,5	20,0	45,0
SD200-C45-14R1	02510283	12,01-14,0	22,0-37,0	43,0-59,0	68,0-83,0	2,8	25,0	30,0	46,5	20,0	45,0
SD200-C45-16R1	02510285	14,01-16,0	23,0-39,0	44,0-60,0	76,0-92,0	2,8	34,0	32,0	53,0	25,0	45,0

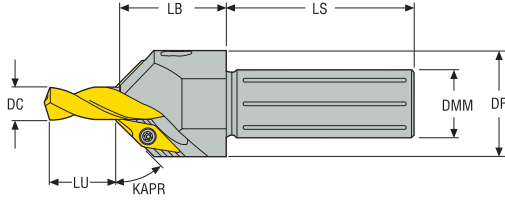
Yedek parçalar

Şu matkap çapı için (mm)	Uç anahtarı	Uç vidası	Anahtar	Sıkma vidası	Kaset
4,00 - 16,00	 Uç	 Uç	 Modül	 Modül	 Modül
	T07P-2	C02205-T07P	H1.5-2D	SH3040	SD200-3x7.3

Toleranslar: mm	Ebat	IC mm	L mm	S mm	D1 mm	RE mm
IC = ±0,025 S = ±0,07 RE = ±0,10	C45	5,556	9,000	2,500	2,900	0,200
	Kalite: T400D					
	Ürün Tanımı: SD200-C45					
	Ürün numarası: 02510325					



Havşa modülü

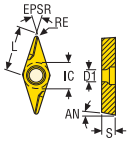


Tanım	Ürün numarası	DC	Delme derinliği LU			Maks. havşa derinliği	DF	LB	LS	DMM	KAPR°
			3 x D LU (min-max)	5 x D LU (min-max)	7 x D LU (min-max)						
		İnç	İnç	İnç	İnç	İnç	İnç	İnç	İnç	İnç	
SD200-C45-6-500R1	02510287	0.158-0.240	0.157-0.669	0.394-1.063	1.181-1.772	0.110	0.827	0.984	1.614	0.500	45
SD200-C45-8-625R1	02510289	0.237-0.315	0.591-1.063	0.945-1.378	1.654-2.244	0.110	0.984	0.984	1.752	0.625	45
SD200-C45-10-625R1	02510291	0.315-0.394	0.669-1.220	1.339-1.890	1.850-2.441	0.110	0.984	0.984	1.752	0.625	45
SD200-C45-12-750R1	02510292	0.394-0.472	0.827-1.417	1.575-2.205	2.244-2.835	0.110	1.102	0.984	1.831	0.750	45
SD200-C45-14-750R1	02510293	0.473-0.551	0.866-1.457	1.693-2.323	2.677-3.268	0.110	1.181	0.984	1.831	0.750	45
SD200-C45-16-1000R1	02510295	0.552-0.630	0.906-1.535	1.732-2.362	2.992-3.622	0.110	1.260	1.339	2.087	1.000	45

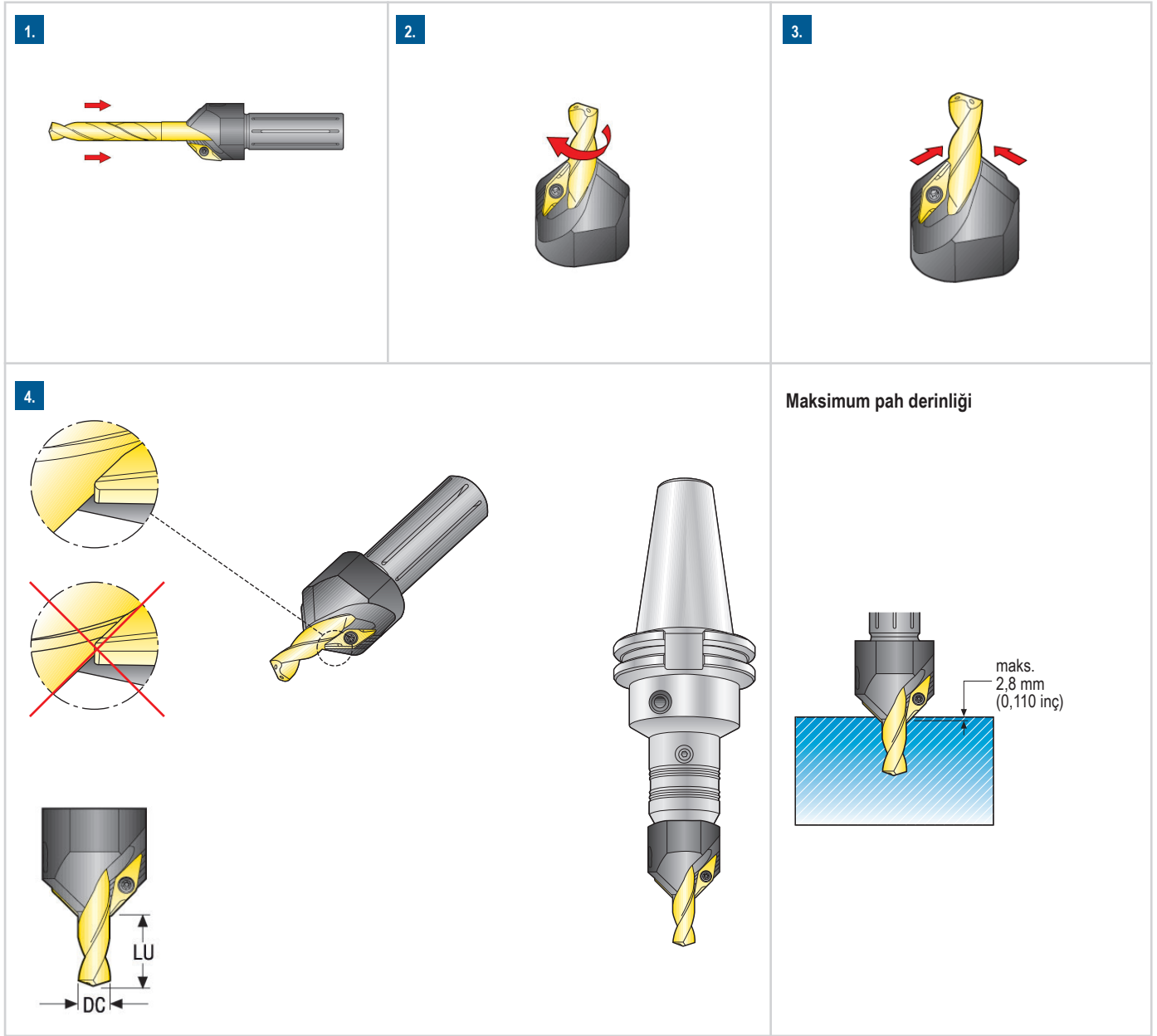
Yedek parçalar

Şu matkap çapı için (inç)	Uç anahtar	Uç vidası	Anahtar	Kaset
0.1574 - 0.6299	 Uç T07P-2	 Uç C02205-T07P	 Modül H1.5-2D	 Modül SD200-3x7.3

Toleranslar: İnç	Ebat	IC İnç	L İnç	S İnç	D1 İnç	RE İnç
IC = ±0.001 S = ±0.0027 RE = ±0.004	C45 Kalite: T400D Ürün Tanımı: SD200-C45 Ürün numarası: 02510325	0.2187	0.3543	0.0984	0.1141	0.0078



Pah modülü montaj talimatları

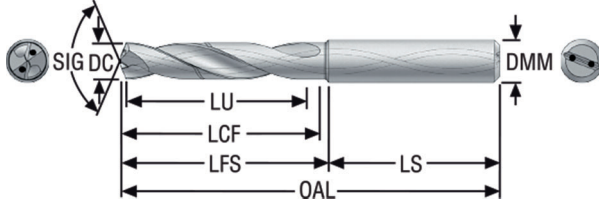


Matkap çapı DC	LU Delme derinliği (min-maks)						
	SD1103 / SD203A		SD1105 / SD205A		SD207A		
mm		mm	İnç	mm	İnç	mm	İnç
4,00-4,75	.157-.187	4-17	.157-.669	10-27	.394-1.063	30-45	1.181-1.772
4,76-6,00	.187-.236	6-20	.236-.787	18-32	.709-1.260	30-45	1.181-1.772
6,01-8,00	.241-.315	15-27	.590-1.063	28-42	1.102-1.653	42-57	1.653-2.244
8,01-10,00	.315-.394	17-31	.669-1.220	34-48	1.338-1.890	47-62	1.850-2.441
10,01-12,00	.394-.472	21-36	.826-1.417	40-56	1.575-2.205	57-72	2.244-2.835
12,01-14,00	.473-.551	22-37	.866-1.457	43-59	1.693-2.323	68-83	2.677-3.268
14,01-16,00	.552-.630	23-39	.906-1.535	44-60	1.732-2.362	76-92	2.992-3.622

Sadece silindirik sapla kullanılmalıdır (R1).

SD203A, -MS

Delme derinliği ~ 3 x D



- Silindirik sap DIN 6537A
- Tolerans DC m7
- İçten soğutma sıvısı
- Uç nokta açısı: 140°
- Kaplama: TiAlN +NbN
- Delik toleransı: IT8-9
- Kesme verileri için, bakınız sayfa 158-159
- Ara çaplar için lütfen MyDesign programına bakınız

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD203A-0200-007-04R1-MS	10004064	2,0 0.079	7,0 0.276	41,0 1.614	14,0 0.551	27,0 1.063	11,0 0.433	4,0 0.157
SD203A-0210-007-04R1-MS	10004065	2,1 0.083	7,0 0.276	41,0 1.614	14,0 0.551	27,0 1.063	11,0 0.433	4,0 0.157
SD203A-0220-007-04R1-MS	10004066	2,2 0.087	7,0 0.276	41,0 1.614	14,0 0.551	27,0 1.063	11,0 0.433	4,0 0.157
SD203A-0230-008-04R1-MS	10004067	2,3 0.091	8,0 0.315	44,0 1.732	17,0 0.669	27,0 1.063	12,5 0.492	4,0 0.157
SD203A-0240-008-04R1-MS	10004068	2,4 0.094	8,0 0.315	44,0 1.732	17,0 0.669	27,0 1.063	12,5 0.492	4,0 0.157
SD203A-0250-008-04R1-MS	10004072	2,5 0.098	8,0 0.315	44,0 1.732	17,0 0.669	27,0 1.063	12,5 0.492	4,0 0.157
SD203A-0260-008-04R1-MS	10004073	2,6 0.102	8,0 0.315	44,0 1.732	17,0 0.669	27,0 1.063	12,5 0.492	4,0 0.157
SD203A-0270-009-04R1-MS	10004074	2,7 0.106	9,0 0.354	44,0 1.732	17,0 0.669	27,0 1.063	14,5 0.571	4,0 0.157
SD203A-0278-009-04R1-MS	10004075	2,78 0.109	9,0 0.354	44,0 1.732	17,0 0.669	27,0 1.063	14,5 0.571	4,0 0.157
SD203A-0290-009-04R1-MS	10004076	2,9 0.114	9,0 0.354	44,0 1.732	17,0 0.669	27,0 1.063	14,5 0.571	4,0 0.157
SD203A-0300-014-06R1-MS	10004077	3,0 0.118	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236
SD203A-0310-014-06R1-MS	10004078	3,1 0.122	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236
SD203A-0320-014-06R1-MS	10004079	3,2 0.126	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236
SD203A-0330-014-06R1-MS	10004080	3,3 0.130	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236
SD203A-0340-014-06R1-MS	10004081	3,4 0.134	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236
SD203A-0350-015-06R1-MS	10004083	3,5 0.138	15,0 0.591	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236
SD203A-0357-015-06R1-MS	10004084	3,57 0.141	15,0 0.591	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236
SD203A-0370-015-06R1-MS	10004085	3,7 0.146	15,0 0.591	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236
SD203A-0380-017-06R1-MS	10004086	3,8 0.150	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236
SD203A-0390-017-06R1-MS	10004087	3,9 0.154	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD203A-0397-017-06R1-MS	10004088	3,97 0.156	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236
SD203A-0400-017-06R1-MS	10004089	4,0 0.157	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236
SD203A-0410-017-06R1-MS	10004090	4,1 0.161	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236
SD203A-0420-017-06R1-MS	10004091	4,2 0.165	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236
SD203A-0430-018-06R1-MS	10004092	4,3 0.169	18,0 0.709	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236
SD203A-0450-018-06R1-MS	10004093	4,5 0.177	18,0 0.709	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236
SD203A-0460-018-06R1-MS	10004094	4,6 0.181	18,0 0.709	66,0 2.598	30,0 1.181	36,0 1.417	26,0 1.024	6,0 0.236
SD203A-0465-018-06R1-MS	10004095	4,65 0.183	18,0 0.709	66,0 2.598	30,0 1.181	36,0 1.417	26,0 1.024	6,0 0.236
SD203A-0470-018-06R1-MS	10004096	4,7 0.185	18,0 0.709	66,0 2.598	30,0 1.181	36,0 1.417	26,0 1.024	6,0 0.236
SD203A-0476-020-06R1-MS	10004097	4,76 0.187	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-0480-020-06R1-MS	10004098	4,8 0.189	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-0490-020-06R1-MS	10004099	4,9 0.193	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-0500-020-06R1-MS	10004101	5,0 0.197	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-0510-020-06R1-MS	10004102	5,1 0.201	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-0516-020-06R1-MS	10004103	5,16 0.203	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-0520-020-06R1-MS	10004104	5,2 0.205	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-0530-020-06R1-MS	10004105	5,3 0.209	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-0540-020-06R1-MS	10004106	5,4 0.213	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-0550-020-06R1-MS	10004107	5,5 0.217	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-0556-020-06R1-MS	10004108	5,56 0.219	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-0560-021-06R1-MS	10004109	5,6 0.220	21,0 0.827	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-0570-021-06R1-MS	10004110	5,7 0.224	21,0 0.827	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-0580-021-06R1-MS	10004111	5,8 0.228	21,0 0.827	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-0590-021-06R1-MS	10004112	5,9 0.232	21,0 0.827	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-0595-021-06R1-MS	10004113	5,95 0.234	21,0 0.827	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-0600-021-06R1-MS	10004114	6,0 0.236	21,0 0.827	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-0610-021-08R1-MS	10004115	6,1 0.240	21,0 0.827	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315
SD203A-0620-021-08R1-MS	10004116	6,2 0.244	21,0 0.827	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315
SD203A-0630-021-08R1-MS	10004117	6,3 0.248	21,0 0.827	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315
SD203A-0635-023-08R1-MS	10004121	6,35 0.250	23,0 0.906	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315
SD203A-0650-023-08R1-MS	10004122	6,5 0.256	23,0 0.906	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315

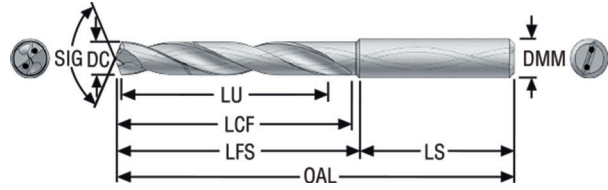
Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD203A-0660-023-08R1-MS	10004123	6,6 0.260	23,0 0.906	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315
SD203A-0675-025-08R1-MS	10004124	6,75 0.266	25,0 0.984	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315
SD203A-0680-025-08R1-MS	10004125	6,8 0.268	25,0 0.984	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315
SD203A-0690-025-08R1-MS	10004127	6,9 0.272	25,0 0.984	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315
SD203A-0700-025-08R1-MS	10004128	7,0 0.276	25,0 0.984	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315
SD203A-0710-025-08R1-MS	10004129	7,1 0.280	25,0 0.984	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315
SD203A-0714-025-08R1-MS	10004130	7,14 0.281	25,0 0.984	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315
SD203A-0720-025-08R1-MS	10004132	7,2 0.283	25,0 0.984	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315
SD203A-0730-025-08R1-MS	10004133	7,3 0.287	25,0 0.984	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315
SD203A-0740-025-08R1-MS	10004134	7,4 0.291	25,0 0.984	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315
SD203A-0750-025-08R1-MS	10004135	7,5 0.295	25,0 0.984	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315
SD203A-0760-027-08R1-MS	10004136	7,6 0.299	27,0 1.063	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315
SD203A-0780-027-08R1-MS	10004137	7,8 0.307	27,0 1.063	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315
SD203A-0794-027-08R1-MS	10004138	7,94 0.313	27,0 1.063	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315
SD203A-0800-027-08R1-MS	10004139	8,0 0.315	27,0 1.063	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315
SD203A-0810-027-10R1-MS	10004140	8,1 0.319	27,0 1.063	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-0820-027-10R1-MS	10004141	8,2 0.323	27,0 1.063	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-0830-027-10R1-MS	10004143	8,3 0.327	27,0 1.063	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-0840-027-10R1-MS	10004144	8,4 0.331	27,0 1.063	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-0850-027-10R1-MS	10004146	8,5 0.335	27,0 1.063	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-0860-029-10R1-MS	10004147	8,6 0.339	29,0 1.142	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-0870-029-10R1-MS	10004148	8,7 0.343	29,0 1.142	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-0873-029-10R1-MS	10004149	8,73 0.344	29,0 1.142	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-0880-029-10R1-MS	10004150	8,8 0.346	29,0 1.142	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-0900-029-10R1-MS	10004151	9,0 0.354	29,0 1.142	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-0910-029-10R1-MS	10004153	9,1 0.358	29,0 1.142	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-0913-029-10R1-MS	10004154	9,13 0.359	29,0 1.142	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-0920-029-10R1-MS	10004156	9,2 0.362	29,0 1.142	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-0930-029-10R1-MS	10004157	9,3 0.366	29,0 1.142	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-0950-029-10R1-MS	10004158	9,5 0.374	29,0 1.142	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-0953-031-10R1-MS	10004160	9,53 0.375	31,0 1.220	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD203A-0970-031-10R1-MS	10004161	9,7 0.382	31,0 1.220	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-0980-031-10R1-MS	10004162	9,8 0.386	31,0 1.220	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-0990-031-10R1-MS	10004163	9,9 0.390	31,0 1.220	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-0992-031-10R1-MS	10004164	9,92 0.391	31,0 1.220	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-1000-031-10R1-MS	10004165	10,0 0.394	31,0 1.220	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-1010-031-12R1-MS	10004166	10,1 0.398	31,0 1.220	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
SD203A-1020-031-12R1-MS	10004167	10,2 0.402	31,0 1.220	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
SD203A-1032-031-12R1-MS	10004168	10,32 0.406	31,0 1.220	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
SD203A-1040-031-12R1-MS	10004169	10,4 0.409	31,0 1.220	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
SD203A-1050-031-12R1-MS	10004170	10,5 0.413	31,0 1.220	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
SD203A-1072-033-12R1-MS	10004171	10,72 0.422	33,0 1.299	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
SD203A-1080-033-12R1-MS	10004172	10,8 0.425	33,0 1.299	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
SD203A-1100-033-12R1-MS	10004173	11,0 0.433	33,0 1.299	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
SD203A-1111-033-12R1-MS	10004174	11,11 0.437	33,0 1.299	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
SD203A-1120-033-12R1-MS	10004175	11,2 0.441	33,0 1.299	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
SD203A-1150-033-12R1-MS	10004176	11,5 0.453	33,0 1.299	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
SD203A-1180-033-12R1-MS	10004177	11,8 0.465	33,0 1.299	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
SD203A-1191-036-12R1-MS	10004309	11,91 0.469	36,0 1.417	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
SD203A-1200-036-12R1-MS	10004314	12,0 0.472	36,0 1.417	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
SD203A-1210-036-14R1-MS	10004315	12,1 0.476	36,0 1.417	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551
SD203A-1250-036-14R1-MS	10004316	12,5 0.492	36,0 1.417	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551
SD203A-1270-036-14R1-MS	10004317	12,7 0.500	36,0 1.417	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551
SD203A-1300-036-14R1-MS	10004319	13,0 0.512	36,0 1.417	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551
SD203A-1310-036-14R1-MS	10004320	13,1 0.516	36,0 1.417	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551
SD203A-1350-037-14R1-MS	10004321	13,5 0.531	37,0 1.457	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551
SD203A-1400-037-14R1-MS	10004325	14,0 0.551	37,0 1.457	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551
SD203A-1420-037-16R1-MS	10004332	14,2 0.559	37,0 1.457	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630
SD203A-1425-038-16R1-MS	10004333	14,25 0.561	38,0 1.496	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630
SD203A-1470-038-16R1-MS	10004334	14,7 0.579	38,0 1.496	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630
SD203A-1500-040-16R1-MS	10004335	15,0 0.591	40,0 1.575	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630
SD203A-1525-040-16R1-MS	10004336	15,25 0.600	40,0 1.575	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD203A-1550-040-16R1-MS	10004338	15,5 0.610	40,0 1.575	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630
SD203A-1588-040-16R1-MS	10004339	15,88 0.625	40,0 1.575	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630
SD203A-1600-040-16R1-MS	10004340	16,0 0.630	40,0 1.575	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630
SD203A-1650-045-18R1-MS	10004341	16,5 0.650	45,0 1.772	123,0 4.843	75,0 2.953	48,0 1.890	73,0 2.874	18,0 0.709
SD203A-1700-045-18R1-MS	10004342	17,0 0.669	45,0 1.772	123,0 4.843	75,0 2.953	48,0 1.890	73,0 2.874	18,0 0.709
SD203A-1750-045-18R1-MS	10004343	17,5 0.689	45,0 1.772	123,0 4.843	75,0 2.953	48,0 1.890	73,0 2.874	18,0 0.709
SD203A-1800-045-18R1-MS	10004344	18,0 0.709	45,0 1.772	123,0 4.843	75,0 2.953	48,0 1.890	73,0 2.874	18,0 0.709
SD203A-1850-050-20R1-MS	10004345	18,5 0.728	50,0 1.969	131,0 5.157	81,0 3.189	50,0 1.969	79,0 3.110	20,0 0.787
SD203A-1900-050-20R1-MS	10004346	19,0 0.748	50,0 1.969	131,0 5.157	81,0 3.189	50,0 1.969	79,0 3.110	20,0 0.787
SD203A-1905-050-20R1-MS	10004347	19,05 0.750	50,0 1.969	131,0 5.157	81,0 3.189	50,0 1.969	79,0 3.110	20,0 0.787
SD203A-1950-050-20R1-MS	10004348	19,5 0.768	50,0 1.969	131,0 5.157	81,0 3.189	50,0 1.969	79,0 3.110	20,0 0.787
SD203A-2000-050-20R1-MS	10004349	20,0 0.787	50,0 1.969	131,0 5.157	81,0 3.189	50,0 1.969	79,0 3.110	20,0 0.787

SD205A, -MS

Delme derinliği ~ 5 x D



- Silindirik sap DIN 6537A
- Tolerans DC m7
- İçten soğutma sıvısı
- Uç nokta açısı: 140°
- Kaplama: TiAlN +NbN
- Delik toleransı: IT8-9
- Kesme verileri için, bakınız sayfa 160-161
- Ara çaplar için lütfen MyDesign programına bakınız

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD205A-0200-012-04R1-MS	10004179	2,0 0.079	12,0 0.472	46,0 1.811	19,0 0.748	27,0 1.063	15,0 0.591	4,0 0.157
SD205A-0210-012-04R1-MS	10004180	2,1 0.083	12,0 0.472	46,0 1.811	19,0 0.748	27,0 1.063	15,0 0.591	4,0 0.157
SD205A-0220-012-04R1-MS	10004181	2,2 0.087	12,0 0.472	46,0 1.811	19,0 0.748	27,0 1.063	15,0 0.591	4,0 0.157
SD205A-0230-012-04R1-MS	10004182	2,3 0.091	12,0 0.472	46,0 1.811	19,0 0.748	27,0 1.063	15,0 0.591	4,0 0.157
SD205A-0240-013-04R1-MS	10004183	2,4 0.094	13,0 0.512	50,0 1.969	23,0 0.906	27,0 1.063	17,5 0.689	4,0 0.157
SD205A-0250-013-04R1-MS	10004184	2,5 0.098	13,0 0.512	50,0 1.969	23,0 0.906	27,0 1.063	17,5 0.689	4,0 0.157
SD205A-0260-013-04R1-MS	10004185	2,6 0.102	13,0 0.512	50,0 1.969	23,0 0.906	27,0 1.063	17,5 0.689	4,0 0.157
SD205A-0270-013-04R1-MS	10004186	2,7 0.106	15,0 0.591	50,0 1.969	23,0 0.906	27,0 1.063	20,5 0.807	4,0 0.157
SD205A-0280-013-04R1-MS	10004187	2,8 0.110	15,0 0.591	50,0 1.969	23,0 0.906	27,0 1.063	20,5 0.807	4,0 0.157
SD205A-0300-021-06R1-MS	10004188	3,0 0.118	21,0 0.827	66,0 2.598	30,0 1.181	36,0 1.417	26,0 1.024	6,0 0.236
SD205A-0310-021-06R1-MS	10004189	3,1 0.122	21,0 0.827	66,0 2.598	30,0 1.181	36,0 1.417	26,0 1.024	6,0 0.236
SD205A-0318-021-06R1-MS	10004191	3,18 0.125	21,0 0.827	66,0 2.598	30,0 1.181	36,0 1.417	26,0 1.024	6,0 0.236
SD205A-0330-021-06R1-MS	10004192	3,3 0.130	21,0 0.827	66,0 2.598	30,0 1.181	36,0 1.417	26,0 1.024	6,0 0.236
SD205A-0340-021-06R1-MS	10004193	3,4 0.134	21,0 0.827	66,0 2.598	30,0 1.181	36,0 1.417	26,0 1.024	6,0 0.236
SD205A-0350-021-06R1-MS	10004194	3,5 0.138	21,0 0.827	66,0 2.598	30,0 1.181	36,0 1.417	26,0 1.024	6,0 0.236
SD205A-0360-027-06R1-MS	10004195	3,6 0.142	21,0 0.827	66,0 2.598	30,0 1.181	36,0 1.417	26,0 1.024	6,0 0.236
SD205A-0380-027-06R1-MS	10004196	3,8 0.150	27,0 1.063	74,0 2.913	38,0 1.496	36,0 1.417	34,0 1.339	6,0 0.236
SD205A-0390-027-06R1-MS	10004197	3,9 0.154	27,0 1.063	74,0 2.913	38,0 1.496	36,0 1.417	34,0 1.339	6,0 0.236
SD205A-0400-027-06R1-MS	10004198	4,0 0.157	27,0 1.063	74,0 2.913	38,0 1.496	36,0 1.417	34,0 1.339	6,0 0.236
SD205A-0410-027-06R1-MS	10004199	4,1 0.161	27,0 1.063	74,0 2.913	38,0 1.496	36,0 1.417	34,0 1.339	6,0 0.236

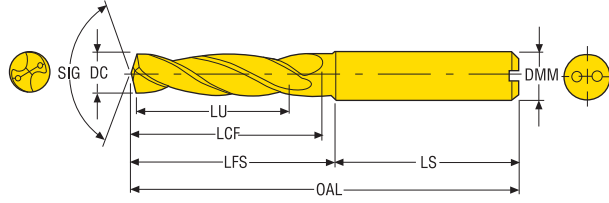
Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD205A-0420-027-06R1-MS	10004200	4,2 0.165	27,0 1.063	74,0 2.913	38,0 1.496	36,0 1.417	34,0 1.339	6,0 0.236
SD205A-0430-027-06R1-MS	10004201	4,3 0.169	27,0 1.063	74,0 2.913	38,0 1.496	36,0 1.417	34,0 1.339	6,0 0.236
SD205A-0450-027-06R1-MS	10004202	4,5 0.177	27,0 1.063	74,0 2.913	38,0 1.496	36,0 1.417	34,0 1.339	6,0 0.236
SD205A-0460-027-06R1-MS	10004203	4,6 0.181	27,0 1.063	74,0 2.913	38,0 1.496	36,0 1.417	34,0 1.339	6,0 0.236
SD205A-0465-027-06R1-MS	10004205	4,65 0.183	27,0 1.063	74,0 2.913	38,0 1.496	36,0 1.417	34,0 1.339	6,0 0.236
SD205A-0470-027-06R1-MS	10004206	4,7 0.185	27,0 1.063	74,0 2.913	38,0 1.496	36,0 1.417	34,0 1.339	6,0 0.236
SD205A-0476-027-06R1-MS	10004208	4,76 0.187	32,0 1.260	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205A-0490-032-06R1-MS	10004209	4,9 0.193	32,0 1.260	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205A-0500-032-06R1-MS	10004211	5,0 0.197	32,0 1.260	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205A-0510-032-06R1-MS	10004212	5,1 0.201	32,0 1.260	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205A-0516-032-06R1-MS	10004213	5,16 0.203	32,0 1.260	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205A-0520-032-06R1-MS	10004214	5,2 0.205	32,0 1.260	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205A-0550-032-06R1-MS	10004215	5,5 0.217	32,0 1.260	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205A-0556-032-06R1-MS	10004216	5,56 0.219	32,0 1.260	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205A-0560-032-06R1-MS	10004218	5,6 0.220	32,0 1.260	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205A-0580-032-06R1-MS	10004219	5,8 0.228	32,0 1.260	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205A-0590-032-06R1-MS	10004220	5,9 0.232	32,0 1.260	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205A-0595-032-06R1-MS	10004221	5,95 0.234	32,0 1.260	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205A-0600-032-06R1-MS	10004222	6,0 0.236	32,0 1.260	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205A-0620-035-08R1-MS	10004224	6,2 0.244	35,0 1.378	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-0630-035-08R1-MS	10004225	6,3 0.248	35,0 1.378	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-0635-035-08R1-MS	10004226	6,35 0.250	35,0 1.378	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-0640-035-08R1-MS	10004227	6,4 0.252	35,0 1.378	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-0650-035-08R1-MS	10004228	6,5 0.256	35,0 1.378	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-0660-035-08R1-MS	10004229	6,6 0.260	35,0 1.378	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-0670-035-08R1-MS	10004231	6,7 0.264	35,0 1.378	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-0680-040-08R1-MS	10004234	6,8 0.268	40,0 1.575	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-0690-040-08R1-MS	10004235	6,9 0.272	40,0 1.575	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-0700-040-08R1-MS	10004236	7,0 0.276	40,0 1.575	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-0710-040-08R1-MS	10004237	7,1 0.280	40,0 1.575	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-0714-040-08R1-MS	10004238	7,14 0.281	40,0 1.575	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315

Giriş	Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM	
			mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	
Delme	SD205A-0720-040-08R1-MS	10004239	7,2 0.283	40,0 1.575	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315	
	SD205A-0750-040-08R1-MS	10004240	7,5 0.295	40,0 1.575	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315	
	SD205A-0780-042-08R1-MS	10004241	7,8 0.307	42,0 1.654	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315	
	SD205A-0794-042-08R1-MS	10004243	7,94 0.313	42,0 1.654	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315	
	SD205A-0800-042-08R1-MS	10004245	8,0 0.315	42,0 1.654	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315	
	SD205A-0810-042-10R1-MS	10004246	8,1 0.319	42,0 1.654	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394	
	SD205A-0820-042-10R1-MS	10004247	8,2 0.323	42,0 1.654	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394	
	SD205A-0840-042-10R1-MS	10004250	8,4 0.331	42,0 1.654	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394	
	SD205A-0850-042-10R1-MS	10004251	8,5 0.335	42,0 1.654	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394	
	SD205A-0870-045-10R1-MS	10004252	8,7 0.343	45,0 1.772	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394	
	SD205A-0880-045-10R1-MS	10004255	8,8 0.346	45,0 1.772	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394	
	SD205A-0900-045-10R1-MS	10004256	9,0 0.354	45,0 1.772	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394	
	SD205A-0910-045-10R1-MS	10004257	9,1 0.358	45,0 1.772	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394	
	SD205A-0950-045-10R1-MS	10004258	9,5 0.374	45,0 1.772	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394	
	SD205A-0953-048-10R1-MS	10004259	9,53 0.375	48,0 1.890	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394	
	SD205A-0980-048-10R1-MS	10004266	9,8 0.386	48,0 1.890	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394	
	SD205A-0992-048-10R1-MS	10004269	9,92 0.391	48,0 1.890	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394	
	SD205A-1000-048-10R1-MS	10004270	10,0 0.394	48,0 1.890	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394	
	Raybalama	SD205A-1020-048-12R1-MS	10004272	10,2 0.402	48,0 1.890	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472
		SD205A-1030-048-12R1-MS	10004273	10,3 0.406	48,0 1.890	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472
SD205A-1050-048-12R1-MS		10004274	10,5 0.413	48,0 1.890	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472	
SD205A-1070-056-12R1-MS		10004275	10,7 0.421	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472	
SD205A-1080-056-12R1-MS		10004276	10,8 0.425	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472	
SD205A-1100-056-12R1-MS		10004277	11,0 0.433	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472	
SD205A-1111-056-12R1-MS		10004278	11,11 0.437	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472	
SD205A-1130-056-12R1-MS		10004279	11,3 0.445	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472	
SD205A-1150-056-12R1-MS		10004280	11,5 0.453	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472	
SD205A-1180-056-12R1-MS		10004281	11,8 0.465	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472	
Ek	SD205A-1200-056-12R1-MS	10004282	12,0 0.472	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472	
	SD205A-1220-056-14R1-MS	10004283	12,2 0.480	56,0 2.205	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551	
	SD205A-1250-056-14R1-MS	10004284	12,5 0.492	56,0 2.205	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551	

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD205A-1270-056-14R1-MS	10004285	12,7 0.500	56,0 2.205	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551
SD205A-1300-056-14R1-MS	10004286	13,0 0.512	56,0 2.205	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551
SD205A-1310-056-14R1-MS	10004287	13,1 0.516	59,0 2.323	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551
SD205A-1350-059-14R1-MS	10004288	13,5 0.531	59,0 2.323	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551
SD205A-1400-059-14R1-MS	10004290	14,0 0.551	59,0 2.323	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551
SD205A-1420-060-16R1-MS	10004291	14,2 0.559	60,0 2.362	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630
SD205A-1425-060-16R1-MS	10004292	14,25 0.561	60,0 2.362	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630
SD205A-1450-060-16R1-MS	10004293	14,5 0.571	60,0 2.362	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630
SD205A-1500-060-16R1-MS	10004295	15,0 0.591	60,0 2.362	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630
SD205A-1550-062-16R1-MS	10004296	15,5 0.610	62,0 2.441	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630
SD205A-1580-062-16R1-MS	10004297	15,8 0.622	62,0 2.441	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630
SD205A-1600-062-16R1-MS	10004298	16,0 0.630	62,0 2.441	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630
SD205A-1650-071-18R1-MS	10004299	16,5 0.650	64,0 2.520	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709
SD205A-1700-071-18R1-MS	10004300	17,0 0.669	64,0 2.520	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709
SD205A-1750-071-18R1-MS	10004301	17,5 0.689	66,0 2.598	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709
SD205A-1800-071-18R1-MS	10004302	18,0 0.709	66,0 2.598	143,0 5.630	95,0 3.740	48,0 1.890	93,0 3.661	18,0 0.709
SD205A-1850-077-20R1-MS	10004303	18,5 0.728	71,0 2.795	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787
SD205A-1900-077-20R1-MS	10004304	19,0 0.748	71,0 2.795	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787
SD205A-1930-077-20R1-MS	10004305	19,3 0.760	71,0 2.795	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787
SD205A-1950-077-20R1-MS	10004306	19,5 0.768	71,0 2.795	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787
SD205A-2000-077-20R1-MS	10004307	20,0 0.787	71,0 2.795	153,0 6.024	103,0 4.055	50,0 1.969	101,0 3.976	20,0 0.787

SD203A, -M

Delme derinliği ~ 3 x D – Metrik



- Silindirik sap DIN 6537A
- Tolerans DC m7
- İçten soğutma sıvısı
- Uç nokta açısı: 140°
- Kaplama: TiAlN + TiN
- Delik toleransı: IT8-9
- Kesme verileri için, bakınız sayfa 147, 148
- Ara çaplar için lütfen MyDesign programına bakınız

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD203A-3.0-14-6R1-M	02569995	3,0 0.118	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236
SD203A-3.1-14-6R1-M	02570998	3,1 0.122	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236
SD203A-3.3-14-6R1-M	02555958	3,3 0.130	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236
SD203A-3.4-14-6R1-M	02570984	3,4 0.134	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236
SD203A-3.5-15-6R1-M	02533784	3,5 0.138	15,0 0.591	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236
SD203A-3.9-17-6R1-M	02570988	3,9 0.154	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236
SD203A-4.0-17-6R1-M	02539902	4,0 0.157	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236
SD203A-4.2-17-6R1-M	02555959	4,2 0.165	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236
SD203A-4.3-18-6R1-M	02533700	4,3 0.169	18,0 0.709	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236
SD203A-4.5-18-6R1-M	02570993	4,5 0.177	18,0 0.709	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236
SD203A-01875-079-0236R1-M	02450103	4,763 0.188	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-4.8-20-6R1-M	02570982	4,8 0.189	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-4.9-20-6R1-M	02592709	4,9 0.193	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-5.0-20-6R1-M	02450075	5,0 0.197	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-5.5-21-6R1-M	02544249	5,5 0.217	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-02188-083-0236R1-M	02450104	5,558 0.219	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-5.6-21-6R1-M	02544028	5,6 0.220	21,0 0.827	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-5.9-21-6R1-M	02515290	5,9 0.232	21,0 0.827	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-6.0-21-6R1-M	02450076	6,0 0.236	21,0 0.827	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-02500-091-0315R1-M	02450105	6,35 0.250	23,0 0.906	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD203A-6.5-23-8R1-M	02450077	6,5 0.256	23,0 0.906	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315
SD203A-6.6-23-8R1-M	02450078	6,6 0.260	23,0 0.906	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315
SD203A-02656-098-0315R1-M	02450106	6,746 0.266	25,0 0.984	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315
SD203A-6.8-25-8R1-M	02450079	6,8 0.268	25,0 0.984	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315
SD203A-6.9-25-8R1-M	02450080	6,9 0.272	25,0 0.984	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315
SD203A-7.0-25-8R1-M	02450081	7,0 0.276	25,0 0.984	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315
SD203A-02813-098-0315R1-M	02450107	7,145 0.281	25,0 0.984	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315
SD203A-7.2-25-8R1-M	02537185	7,2 0.283	25,0 0.984	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315
SD203A-7.3-25-8R1-M	02530109	7,3 0.287	25,0 0.984	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315
SD203A-7.5-25-8R1-M	02450082	7,5 0.295	25,0 0.984	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315
SD203A-7.6-27-8R1-M	02545197	7,6 0.299	27,0 1.063	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315
SD203A-7.8-27-8R1-M	02450083	7,8 0.307	27,0 1.063	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315
SD203A-03125-106-0315R1-M	02450108	7,938 0.313	27,0 1.063	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315
SD203A-8.0-27-8R1-M	02450084	8,0 0.315	27,0 1.063	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315
SD203A-8.5-27-10R1-M	02450085	8,5 0.335	27,0 1.063	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-03438-114-0394R1-M	02450109	8,733 0.344	29,0 1.142	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-8.8-29-10R1-M	02450086	8,8 0.346	29,0 1.142	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-9.0-29-10R1-M	02450087	9,0 0.354	29,0 1.142	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-03594-114-0394R1-M	02450110	9,129 0.359	29,0 1.142	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-9.2-29-10R1-M	02546516	9,2 0.362	29,0 1.142	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-9.3-29-10R1-M	02582375	9,3 0.366	29,0 1.142	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-9.5-29-10R1-M	02450088	9,5 0.374	29,0 1.142	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-03750-122-0394R1-M	02450111	9,525 0.375	29,0 1.142	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-9.8-31-10R1-M	02450089	9,8 0.386	31,0 1.220	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-9.9-31-10R1-M	02515293	9,9 0.390	31,0 1.220	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-10.0-31-10R1-M	02450090	10,0 0.394	31,0 1.220	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-10.2-31-12R1-M	02450091	10,2 0.402	31,0 1.220	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
SD203A-04063-122-0472R1-M	02450112	10,32 0.406	31,0 1.220	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
SD203A-10.4-31-12R1-M	02535267	10,4 0.409	31,0 1.220	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
SD203A-10.5-31-12R1-M	02450092	10,5 0.413	31,0 1.220	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
SD203A-04219-130-0472R1-M	02450113	10,716 0.422	33,0 1.299	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472

Giriş	Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM
			mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
	SD203A-10.8-33-12R1-M	02450093	10,8 0.425	33,0 1.299	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
	SD203A-11.0-33-12R1-M	02450094	11,0 0.433	33,0 1.299	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
	SD203A-04375-130-0472R1-M	02450114	11,113 0.438	33,0 1.299	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
	SD203A-11.5-33-12R1-M	02450095	11,5 0.453	33,0 1.299	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
	SD203A-11.8-33-12R1-M	02450096	11,8 0.465	33,0 1.299	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
	SD203A-04688-142-0472R1-M	02592711	11,908 0.469	36,0 1.417	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
	SD203A-12.0-36-12R1-M	02450097	12,0 0.472	36,0 1.417	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
	SD203A-12.25-36-14R1-M	02592712	12,25 0.482	36,0 1.417	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551
	SD203A-12.3-36-14R1-M	02450098	12,3 0.484	36,0 1.417	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551
	SD203A-12.5-36-14R1-M	02450099	12,5 0.492	36,0 1.417	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551
	SD203A-05000-142-0551R1-M	02450115	12,7 0.500	36,0 1.417	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551
	SD203A-12.9-36-14R1-M	02538263	12,9 0.508	36,0 1.417	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551
	SD203A-13.0-36-14R1-M	02450100	13,0 0.512	36,0 1.417	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551
	SD203A-13.5-37-14R1-M	02450101	13,5 0.531	37,0 1.457	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551
	SD203A-14.0-37-14R1-M	02450102	14,0 0.551	37,0 1.457	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551
	SD203A-14.25-38-16R1-M	02592715	14,25 0.561	38,0 1.496	115,0 4.528	67,0 2.638	48,0 1.890	65,0 2.559	16,0 0.630

Delme

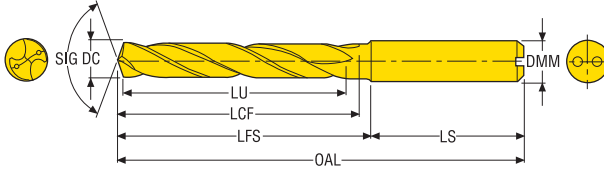
Raybalama

Baralama

Ek

SD205A, -M

Delme derinliği ~ 5 x D



- Silindirik sap DIN 6537A
- Tolerans DC m7
- İçten soğutma sıvısı
- Uç nokta açısı: 140°
- Kaplama: TiAlN + TiN
- Delik toleransı: IT8-9
- Kesme verileri için, bakınız sayfa 149, 150
- Ara çaplar için lütfen MyDesign programına bakınız

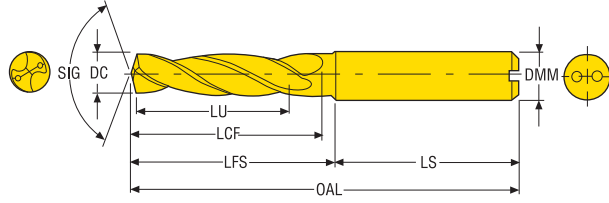
Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD205A-2.5-13-4R1-M	02666989	2,5 0.098	13,0 0.512	46,0 1.811	19,0 0.748	27,0 1.063	17,5 0.689	4,0 0.157
SD205A-3.0-21-6R1-M	02556426	3,0 0.118	21,0 0.827	66,0 2.598	30,0 1.181	36,0 1.417	26,0 1.024	6,0 0.236
SD205A-3.1-21-6R1-M	02642448	3,1 0.122	21,0 0.827	66,0 2.598	30,0 1.181	36,0 1.417	26,0 1.024	6,0 0.236
SD205A-3.18-21-6R1-M	02541863	3,18 0.125	21,0 0.827	66,0 2.598	30,0 1.181	36,0 1.417	26,0 1.024	6,0 0.236
SD205A-3.3-21-6R1-M	02555960	3,3 0.130	21,0 0.827	66,0 2.598	30,0 1.181	36,0 1.417	26,0 1.024	6,0 0.236
SD205A-3.4-21-6R1-M	02554264	3,4 0.134	21,0 0.827	66,0 2.598	30,0 1.181	36,0 1.417	26,0 1.024	6,0 0.236
SD205A-3.5-21-6R1-M	02533780	3,5 0.138	21,0 0.827	66,0 2.598	30,0 1.181	36,0 1.417	26,0 1.024	6,0 0.236
SD205A-4.0-27-6R1-M	02508340	4,0 0.157	27,0 1.063	74,0 2.913	38,0 1.496	36,0 1.417	34,0 1.339	6,0 0.236
SD205A-4.2-27-6R1-M	02502549	4,2 0.165	27,0 1.063	74,0 2.913	40,0 1.575	36,0 1.417	34,0 1.339	6,0 0.236
SD205A-4.3-27-6R1-M	02592718	4,3 0.169	27,0 1.063	74,0 2.913	38,0 1.496	36,0 1.417	34,0 1.339	6,0 0.236
SD205A-4.5-27-6R1-M	02563659	4,5 0.177	27,0 1.063	74,0 2.913	38,0 1.496	36,0 1.417	34,0 1.339	6,0 0.236
SD205A-4.7-27-6R1-M	02604031	4,7 0.185	27,0 1.063	74,0 2.913	40,0 1.575	36,0 1.417	34,0 1.339	6,0 0.236
SD205A-01875-126-0236R1-M	02450062	4,763 0.188	32,0 1.260	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205A-4.9-32-6R1-M	02592720	4,9 0.193	32,0 1.260	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205A-5.0-32-6R1-M	02450034	5,0 0.197	32,0 1.260	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205A-5.1-32-6R1-M	02600034	5,1 0.201	32,0 1.260	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205A-5.2-32-6R1-M	02504408	5,2 0.205	32,0 1.260	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205A-5.5-32-6R1-M	02537341	5,5 0.217	32,0 1.260	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205A-02188-126-0236R1-M	02450063	5,558 0.219	32,0 1.260	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205A-5.6-32-6R1-M	02612445	5,6 0.220	32,0 1.260	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD205A-5.9-32-6R1-M	02539334	5,9 0.232	32,0 1.260	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205A-6.0-32-6R1-M	02450035	6,0 0.236	32,0 1.260	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205A-6.2-35-8R1-M	02547543	6,2 0.244	35,0 1.378	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-02500-138-0315R1-M	02450064	6,35 0.250	35,0 1.378	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-6.4-35-8R1-M	02666488	6,4 0.252	35,0 1.378	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-6.5-35-8R1-M	02450036	6,5 0.256	35,0 1.378	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-6.6-35-8R1-M	02450037	6,6 0.260	35,0 1.378	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-6.8-40-8R1-M	02450038	6,8 0.268	40,0 1.575	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-6.9-40-8R1-M	02450039	6,9 0.272	40,0 1.575	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-02813-157-0315R1-M	02450066	7,145 0.281	40,0 1.575	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-7.2-40-8R1-M	02519059	7,2 0.283	40,0 1.575	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-7.5-40-8R1-M	02450041	7,5 0.295	40,0 1.575	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-7.8-42-8R1-M	02450042	7,8 0.307	42,0 1.654	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-03125-165-0315R1-M	02450067	7,938 0.313	42,0 1.654	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-8.0-42-8R1-M	02450043	8,0 0.315	42,0 1.654	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-8.1-42-10R1-M	02672327	8,1 0.319	42,0 1.654	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394
SD205A-8.4-42-10R1-M	02570977	8,4 0.331	42,0 1.654	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394
SD205A-8.5-42-10R1-M	02450044	8,5 0.335	42,0 1.654	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394
SD205A-8.8-45-10R1-M	02450045	8,8 0.346	45,0 1.772	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394
SD205A-9.0-45-10R1-M	02450046	9,0 0.354	45,0 1.772	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394
SD205A-9.2-45-10R1-M	02516406	9,2 0.362	45,0 1.772	103,0 4.055	42,0 1.654	40,0 1.575	61,0 2.402	10,0 0.394
SD205A-9.5-45-10R1-M	02450047	9,5 0.374	45,0 1.772	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394
SD205A-03750-189-0394R1-M	02450070	9,525 0.375	48,0 1.890	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394
SD205A-9.8-48-10R1-M	02450048	9,8 0.386	48,0 1.890	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394
SD205A-10.0-48-10R1-M	02450049	10,0 0.394	48,0 1.890	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394
SD205A-10.2-48-12R1-M	02450050	10,2 0.402	48,0 1.890	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472
SD205A-10.5-48-12R1-M	02450051	10,5 0.413	48,0 1.890	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472
SD205A-10.8-56-12R1-M	02450052	10,8 0.425	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472
SD205A-10.9-56-12R1-M	02592725	10,9 0.429	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472
SD205A-11.0-56-12R1-M	02450053	11,0 0.433	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472
SD205A-04375-221-0472R1-M	02450073	11,113 0.438	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD205A-11.5-56-12R1-M	02450054	11,5 0.453	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472
SD205A-11.8-56-12R1-M	02450055	11,8 0.465	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472
SD205A-12.0-56-12R1-M	02450056	12,0 0.472	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472
SD205A-12.5-56-14R1-M	02450058	12,5 0.492	56,0 2.205	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551
SD205A-05000-221-0551R1-M	02450074	12,7 0.500	56,0 2.205	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551
SD205A-12.9-56-14R1-M	02592729	12,9 0.508	56,0 2.205	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551
SD205A-13.0-56-14R1-M	02450059	13,0 0.512	56,0 2.205	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551
SD205A-13.5-59-14R1-M	02450060	13,5 0.531	59,0 2.323	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551
SD205A-14.0-59-14R1-M	02450061	14,0 0.551	59,0 2.323	124,0 4.882	79,0 3.110	45,0 1.772	77,0 3.031	14,0 0.551
SD205A-14.25-60-16R1-M	02592732	14,25 0.561	60,0 2.362	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630
SD205A-14.5-60-16R1-M	03117534	14,5 0.571	60,0 2.362	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630
SD205A-15.0-60-16R1-M	02570652	15,0 0.591	60,0 2.362	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630
SD205A-15.5-62-16R1-M	02543076	15,5 0.610	62,0 2.441	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630
SD205A-16.0-62-16R1-M	02555961	16,0 0.630	62,0 2.441	133,0 5.236	85,0 3.346	48,0 1.890	83,0 3.268	16,0 0.630

SD203A, -T

Delme derinliği ~ 3 x D



- Silindirik sap DIN 6537A
- Tolerans DC m7
- İçten soğutma sıvısı
- Uç nokta açısı: 140°
- Kaplamasız
- Delik toleransı: IT8-9
- Kesme verileri - www.secotools.com
- Ara çaplar için lütfen MyDesign programına bakınız

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD203A-01875-079-0236R1-T	02569147	4,763 0.188	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-5.0-20-6R1-T	02523021	5,0 0.197	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-02188-083-0236R1-T	02569156	5,558 0.219	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-6.0-21-6R1-T	02542682	6,0 0.236	21,0 0.827	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-02500-091-0315R1-T	02569149	6,35 0.250	23,0 0.906	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315
SD203A-6.5-23-8R1-T	02545316	6,5 0.256	23,0 0.906	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315
SD203A-6.9-25-8R1-T	02537280	6,9 0.272	25,0 0.984	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315
SD203A-7.0-25-8R1-T	02525985	7,0 0.276	25,0 0.984	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315
SD203A-02813-098-0315R1-T	02569151	7,145 0.281	25,0 0.984	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315
SD203A-7.5-25-8R1-T	02527667	7,5 0.295	25,0 0.984	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315
SD203A-03125-106-0315R1-T	02569152	7,938 0.313	27,0 1.063	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315
SD203A-8.0-27-8R1-T	02513679	8,0 0.315	27,0 1.063	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315
SD203A-8.5-27-10R1-T	02548250	8,5 0.335	27,0 1.063	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-8.8-29-10R1-T	02569153	8,8 0.346	29,0 1.142	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-9.0-29-10R1-T	02524440	9,0 0.354	29,0 1.142	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-9.5-29-10R1-T	02545386	9,5 0.374	29,0 1.142	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-10.0-31-10R1-T	02525984	10,0 0.394	31,0 1.220	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
SD203A-10.5-31-12R1-T	02545387	10,5 0.413	31,0 1.220	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
SD203A-11.0-33-12R1-T	02569155	11,0 0.433	33,0 1.299	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD203A-11.5-33-12R1-T	02567385	11,5 0.453	33,0 1.299	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
SD203A-12.0-36-12R1-T	02562784	12,0 0.472	36,0 1.417	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472

Giriş

Delme

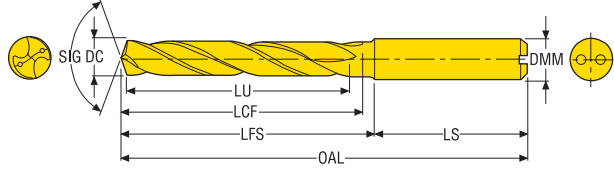
Raybalama

Baralama

Ek

SD205A, -T

Delme derinliği ~ 5 x D

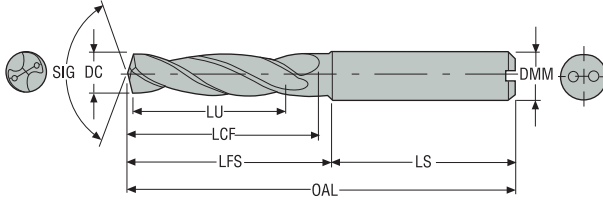


- Silindirik sap DIN 6537A
- Tolerans DC m7
- İçten soğutma sıvısı
- Uç nokta açısı: 140°
- Kaplamasız
- Delik toleransı: IT8-9
- Kesme verileri - www.secotools.com
- Ara çaplar için lütfen MyDesign programına bakınız

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM
		mm Inç	mm Inç	mm Inç	mm Inç	mm Inç	mm Inç	mm Inç
SD205A-8.0-42-8R1-T	02569164	8,0 0.315	42,0 1.654	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205A-12.0-56-12R1-T	02527621	12,0 0.472	56,0 2.205	118,0 4.646	73,0 2.874	45,0 1.772	71,0 2.795	12,0 0.472

SD203A, -N

Delme derinliği ~ 3 x D



- Silindirik sap DIN 6537A
- Tolerans DC m7
- İçten soğutma sıvısı
- Uç nokta açısı: 140°
- DLC kaplamalı
- Delik toleransı: IT8-9
- Kesme verileri için, bakınız sayfa 147, 148
- Ara çaplar için lütfen Özel Tasarım programına bakınız

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD203A-2.5-8-4R1-N	02691548	2,5 0.098	8,0 0.315	44,0 1.732	16,0 0.630	28,0 1.102	13,0 0.512	4,0 0.157
SD203A-3.0-14-6R1-N	02691549	3,0 0.118	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236
SD203A-3.3-14-6R1-N	02691551	3,3 0.130	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236
SD203A-3.5-15-6R1-N	02691552	3,5 0.138	15,0 0.591	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236
SD203A-4.0-17-6R1-N	02691553	4,0 0.157	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236
SD203A-4.1-17-6R1-N	02691554	4,1 0.161	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236
SD203A-4.5-18-6R1-N	02691555	4,5 0.177	18,0 0.709	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236
SD203A-5.0-20-6R1-N	02691556	5,0 0.197	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-5.2-20-6R1-N	02691557	5,2 0.205	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-5.5-20-6R1-N	02691558	5,5 0.217	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-6.0-21-6R1-N	02691559	6,0 0.236	21,0 0.827	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-02500-091-0315R1-N	02691560	6,35 0.250	23,0 0.906	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315
SD203A-6.5-23-8R1-N	02691562	6,5 0.256	23,0 0.906	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315
SD203A-02656-098-0315R1-N	02691564	6,746 0.266	25,0 0.984	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315
SD203A-6.8-25-8R1-N	02691565	6,8 0.268	25,0 0.984	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315
SD203A-7.0-25-8R1-N	02643590	7,0 0.276	25,0 0.984	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315
SD203A-7.1-25-8R1-N	02691567	7,1 0.280	25,0 0.984	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315
SD203A-02813-098-0315R1-N	02691568	7,145 0.281	25,0 0.984	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315
SD203A-7.5-25-8R1-N	02691569	7,5 0.295	25,0 0.984	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315
SD203A-03125-106-0315R1-N	02691570	7,938 0.313	27,0 1.063	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315

Giriş	Ürün Tanımı	Ürün numarası	DC	LU	OAL	LFS	LS	LCF	DMM
			mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
	SD203A-8.0-27-8R1-N	02691571	8,0 0.315	27,0 1.063	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315
	SD203A-8.5-27-10R1-N	02643592	8,5 0.335	27,0 1.063	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
	SD203A-9.0-29-10R1-N	02691574	9,0 0.354	29,0 1.142	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
	SD203A-9.5-29-10R1-N	02691575	9,5 0.374	29,0 1.142	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
	SD203A-03750-122-0394R1-N	02691576	9,525 0.375	31,0 1.220	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
	SD203A-10.0-31-10R1-N	02691577	10,0 0.394	31,0 1.220	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394
	SD203A-10.2-31-12R1-N	02691578	10,2 0.402	31,0 1.220	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
	SD203A-04063-122-0472R1-N	02691579	10,32 0.406	31,0 1.220	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
	SD203A-10.5-31-12R1-N	02691580	10,5 0.413	31,0 1.220	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
	SD203A-11.0-33-12R1-N	02691582	11,0 0.433	33,0 1.299	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
	SD203A-04375-130-0472R1-N	02691585	11,113 0.438	33,0 1.299	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
	SD203A-11.5-33-12R1-N	02691588	11,5 0.453	33,0 1.299	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
	SD203A-12.0-36-12R1-N	02691589	12,0 0.472	36,0 1.417	102,0 4.016	57,0 2.244	45,0 1.772	55,0 2.165	12,0 0.472
	SD203A-12.5-36-14R1-N	02691591	12,5 0.492	36,0 1.417	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551
	SD203A-05000-142-0551R1-N	02691592	12,7 0.500	36,0 1.417	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551
	SD203A-13.0-36-14R1-N	02691594	13,0 0.512	36,0 1.417	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551
	SD203A-05312-146-0551R1-N	02691596	13,492 0.531	37,0 1.457	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551
	SD203A-13.5-37-14R1-N	02691597	13,5 0.531	37,0 1.457	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551
	SD203A-14.0-37-14R1-N	02691598	14,0 0.551	37,0 1.457	107,0 4.213	62,0 2.441	45,0 1.772	60,0 2.362	14,0 0.551

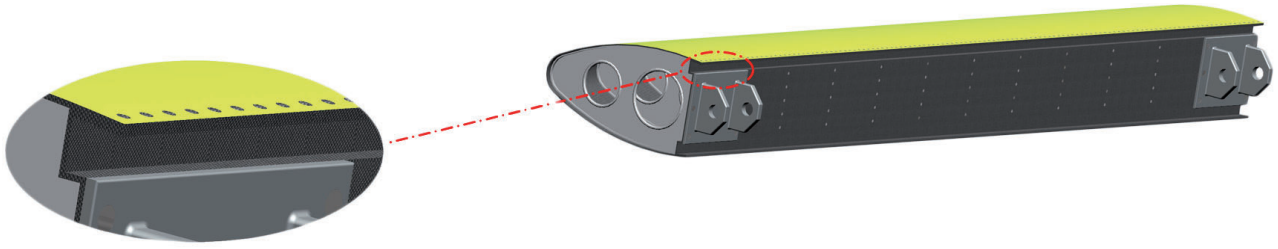


Kompozit delme

Seco, kompozit delme için iki farklı çözüm sunar: Diamond kaplamalı matkaplar ve polikristalin elmas (PCD) matkaplar. Bu takımlar, normal kompozitler veya yığın halindeki malzemeler için özel olarak optimize edilen geometrilere sahiptir.

- C2 ve CX2'nin düz geometrili matkap ucu, alüminyum veya titanyum katmanlarını birleştiren yığılanmış kompozit malzemeleri işler
- CX1 ve CX2, kompozit malzemeler işlenirken geleneksel matkaplara göre daha fazla üretkenlik ve takım ömrü sunan, polikristalin elmas matkaplardır
- Hem C1 hem de C2, çok iyi tokluk ve aşındırıcı direnci sağlayan Dura diamond kaplama özelliğine sahip Diamond kaplamalı karbür matkaplardır

Kompozit işleme



Delik kalitesi odak noktası olduğunda

Giriş ve çıkışlarda oluşan delaminasyon (katmanların ayrılması) ve delik çıkışı kırılmaları gibi sorunlarda yapılması gereken şey bellidir; özellikle kompozit uygulamaları ve sandviç tip malzemelere özel matkap dizayn etmek. Her iki durumda temel düşünce, hem girişte hem de çıkışta mükemmel performansa ulaşmaktır. (Sandviç malzemelerde delik çıkışı genellikle ya Alüminyum ya da Titanyumdur).

- Yukarı itme delaminasyonu yok (girişte)
- Aşağı çekme delaminasyonu yok (çıkışta)

Dura elmas kaplama, uzun takım ömrü sayesinde iyi bir boyutsal toleransı da garanti eder.



Uygulama örneği

Sade CFRP/GFRP
(kompozit malzemede çıkış)



CX1 geometri



Sandviç malzeme
(Al/Ti'de çıkış)



CX2 geometri

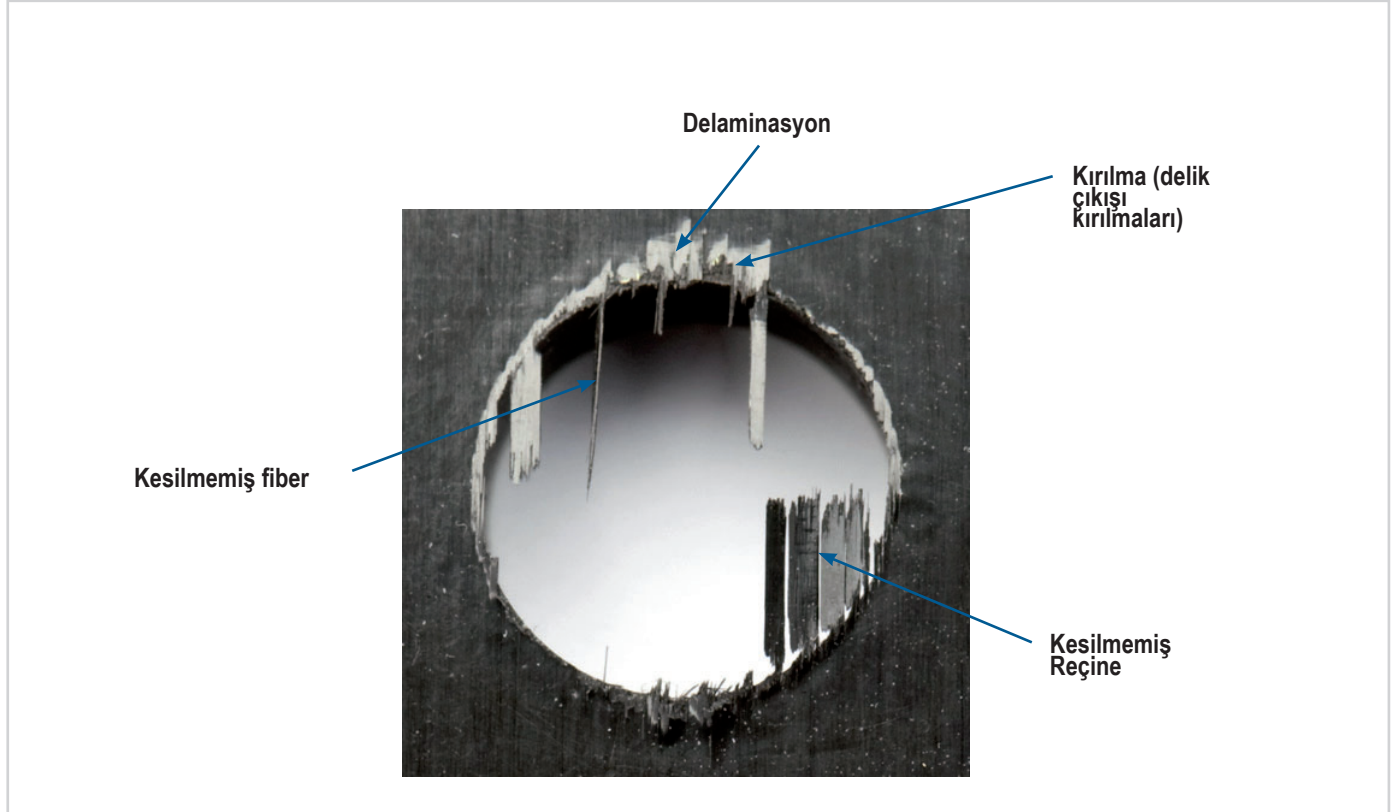


CX31 geometri PCD
Sade CFRP/GFRP ve
Sandviç malzemeler
için genel geometri



CFRP = Karbon Fiber Takviyeli Plastik
GFRP = Cam Fiber Takviyeli Plastik

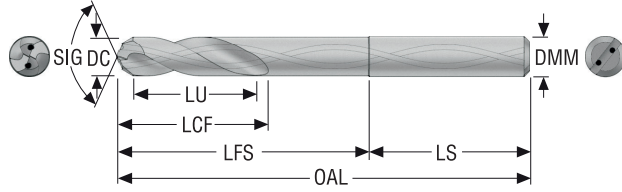
Sorun giderme – Delik çıkışı



Sorun:	Delaminasyon (gürültü sesi/aşağı itme)	Kırılma (delik çıkışı kırılmaları)	Kesilmemiş fiber	Kesilmemiş Reçine
Çözüm:	Gürültü sesi <ul style="list-style-type: none"> Daha negatif geometrisi olan bir matkap kullanın İlerlemeyi/devri düşürün Aşağı itme <ul style="list-style-type: none"> İlerlemeyi/devri düşürün 	<ul style="list-style-type: none"> Daha pozitif geometrisi olan bir matkap kullanın İlerlemeyi/devri düşürün 	<ul style="list-style-type: none"> Daha keskin geometrisi olan bir matkap kullanın İlerlemeyi/devri düşürün 	<ul style="list-style-type: none"> Daha keskin geometrisi olan bir matkap kullanın İlerlemeyi/devri düşürün Kesme hızını düşürün
Sorun:	Reçine erimesi (aşırı ısı)	Kısa takım ömrü		
Çözüm:	<ul style="list-style-type: none"> Kesme hızını düşürün 	<ul style="list-style-type: none"> Kesme hızını düşürün 		

SD205A-C1

Delme derinliği ~ 5 x D

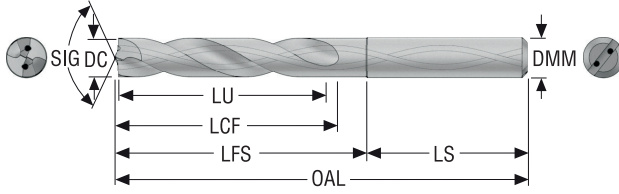


- Silindirik sap DIN 6537A
- İçten soğutma sıvısı
- Uç nokta açısı: 60°/130°
- Dura diamond kaplamalı
- Kesme verileri için, bakınız sayfa 149, 150

Ürün Tanımı	Ürün numarası	Beklenen delik toleransı		DC	LU	OAL	LFS	LS	LCF	DMM
		mm	İnç							
SD205A-6.0-31-6R1-C1	02740089	5,975/6,025	0.2352/0.2372	6,0 0.236	31,0 1.220	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205A-9.55-46-10R1-C1	02740092	9,525/9,576	0.3750/0.3770	9,55 0.376	46,0 1.811	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394

SD205A-C2

Delme derinliği ~ 5 x D

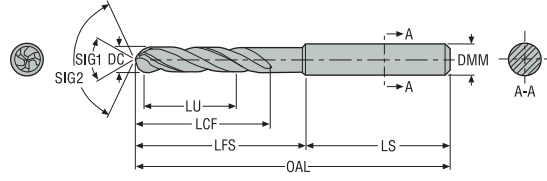


- Silindirik sap DIN 6537A
- İçten soğutma sıvısı
- Uç nokta açısı: 140°/180°
- Dura diamond kaplamalı
- Kesme verileri için, bakınız sayfa 149, 150

Ürün Tanımı	Ürün numarası	Beklenen delik toleransı		DC	LU	OAL	LFS	LS	LCF	DMM
		mm	İnç							
SD205A-6.0-32-6R1-C2	02740099	5,975/6,025	0.2352/0.2372	6,0 0.236	32,0 1.260	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205A-9.55-48-10R1-C2	02740103	9,525/9,576	0.3750/0.3770	9,55 0.376	48,0 1.890	103,0 4.055	63,0 2.480	40,0 1.575	61,0 2.402	10,0 0.394

SD203-CX1

Delme derinliği ~ 3 x D

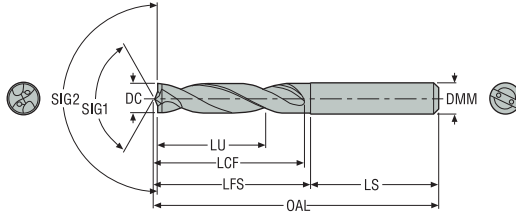


- Silindirik sap DIN 6537A
- PCD kesme kenarı.
- Uç nokta açısı: 60°/130°
- Kesme verileri için, bakınız sayfa 147, 148

Ürün Tanımı	Ürün numarası	Beklenen delik toleransı		DC	LU	OAL	LFS	LS	LCF	DMM
		mm	İnç							
SD203-3.26-14-6R1-CX1	02827923	3,235/3,285	0.1273/0.1293	3,26 0.128	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	21,0 0.827	6,0 0.236
SD203-4.17-17-6R1-CX1	02827924	4,142/4,192	0.1630/0.1650	4,17 0.164	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	25,0 0.984	6,0 0.236
SD203-4.83-20-6R1-CX1	02827925	4,805/4,855	0.1891/0.1911	4,83 0.190	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203-6.06-21-6R1-CX1	02827926	6,035/6,085	0.2375/0.2395	6,06 0.239	21,0 0.827	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203-6.36-23-8R1-CX1	02827927	6,33/6,38	0.2492/0.2511	6,36 0.250	23,0 0.906	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315
SD203-7.94-27-8R1-CX1	02827928	7,913/7,963	0.3115/0.3135	7,94 0.313	27,0 1.063	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315
SD203-9.53-31-10R1-CX1	02827929	9,504/9,554	0.3741/0.3761	9,53 0.375	31,0 1.220	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394

SD203A-CX2

Delme derinliği ~ 3 x D

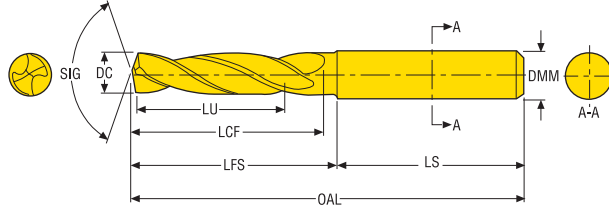


- Silindirik sap DIN 6537A
- PCD kesme kenarı.
- Uç nokta açısı: 120°/180°
- Kesme verileri için, bakınız sayfa 149, 150

Ürün Tanımı	Ürün numarası	Beklenen delik toleransı		DC	LU	OAL	LFS	LS	LCF	DMM
		mm	inç							
SD203A-3.26-14-6R1-CX2	02827930	3,235/3,285	0.1273/0.1293	3,26 0.128	14,0 0.551	62,0 2.441	26,0 1.024	36,0 1.417	20,0 0.787	6,0 0.236
SD203A-4.17-17-6R1-CX2	02827931	4,142/4,192	0.1630/0.1650	4,17 0.164	17,0 0.669	66,0 2.598	30,0 1.181	36,0 1.417	24,0 0.945	6,0 0.236
SD203A-4.83-20-6R1-CX2	02827932	4,805/4,855	0.1891/0.1911	4,83 0.190	20,0 0.787	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-6.06-21-6R1-CX2	02827933	6,035/6,085	0.2375/0.2395	6,06 0.239	21,0 0.827	66,0 2.598	30,0 1.181	36,0 1.417	28,0 1.102	6,0 0.236
SD203A-6.36-23-8R1-CX2	02827934	6,33/6,38	0.2492/0.2511	6,36 0.250	23,0 0.906	79,0 3.110	43,0 1.693	36,0 1.417	34,0 1.339	8,0 0.315
SD203A-7.94-27-8R1-CX2	02827935	7,913/7,963	0.3115/0.3135	7,94 0.313	27,0 1.063	79,0 3.110	43,0 1.693	36,0 1.417	41,0 1.614	8,0 0.315
SD203A-9.53-31-10R1-CX2	02827936	9,504/9,554	0.3741/0.3761	9,53 0.375	31,0 1.220	89,0 3.504	49,0 1.929	40,0 1.575	47,0 1.850	10,0 0.394

SD205-CX31

Delme derinliği ~ 5 x D



- Silindirik sap DIN 6537A
- PCD kesme kenarı.
- Uç nokta açısı: 120°
- Kesme verileri için, bakınız sayfa 149

Ürün Tanımı	Ürün numarası	Beklenen delik toleransı		DC	LU	OAL	LFS	LS	LCF	DMM
		mm	İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD205-4.10-26-6R1-CX31	02780522	4,075/4,125	0.1604/0.1624	4,1 0.161	26,0 1.024	74,0 2.913	38,0 1.496	36,0 1.417	37,0 1.457	6,0 0.236
SD205-4.78-31-6R1-CX31	02780523	4,755/4,805	0.1872/0.1891	4,78 0.188	31,0 1.220	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205-6.00-31-6R1-CX31	02780524	5,975/6,025	0.2352/0.2372	6,0 0.236	31,0 1.220	82,0 3.228	46,0 1.811	36,0 1.417	44,0 1.732	6,0 0.236
SD205-6.38-34-8R1-CX31	02780525	6,350/6,401	0.2500/0.2520	6,38 0.251	34,0 1.339	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315
SD205-7.963-40-8R1-CX31	02780527	7,938/7,988	0.3125/0.3144	7,963 0.314	40,0 1.575	91,0 3.583	55,0 2.165	36,0 1.417	53,0 2.087	8,0 0.315



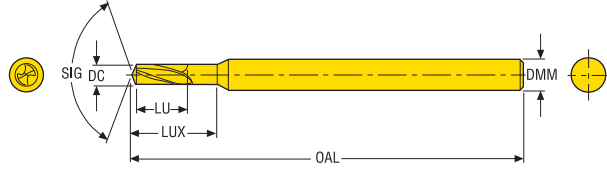
Mikro delme

Seco, SD22 ve SD26 küçük solid karbür mikro matkap ürün çeşitlerini içeren özel ürün portföyü ile mikro delme uygulamalarında mükemmel çözümler sunar.

- Geleneksel HSS matkaplara göre çarpıcı performans artışları sağlayabilme özelliği vardır.
- Otomotiv ve tıp sektörlerindeki uygulamalara ve genel mühendislik sektöründeki küçük parça üretimine uygun çözümler sunar.

SD22

Delme derinliđi ~ 2 x D (Pilot matkap)



- Silindirik sap
- Dıştan sođutma sıvısı
- Uç nokta açısı: 130°
- Kaplamasız
- Kesme verileri için, bakınız sayfa 169-173

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD22-0.10-0.20-3R1	02731574	0,1 0.004	0,2 0.008	38,0 1.496	0,55 0.022	3,0 0.118
SD22-0.11-0.22-3R1	02730362	0,11 0.004	0,22 0.009	38,0 1.496	0,55 0.022	3,0 0.118
SD22-0.12-0.24-3R1	02730460	0,12 0.005	0,24 0.009	38,0 1.496	0,55 0.022	3,0 0.118
SD22-0.13-0.26-3R1	02730461	0,13 0.005	0,26 0.010	38,0 1.496	0,6 0.024	3,0 0.118
SD22-0.14-0.28-3R1	02730462	0,14 0.006	0,28 0.011	38,0 1.496	0,6 0.024	3,0 0.118
SD22-0.15-0.30-3R1	02731575	0,15 0.006	0,3 0.012	38,0 1.496	0,6 0.024	3,0 0.118
SD22-0.16-0.32-3R1	02730464	0,16 0.006	0,32 0.013	38,0 1.496	0,6 0.024	3,0 0.118
SD22-0.17-0.34-3R1	02730465	0,17 0.007	0,34 0.013	38,0 1.496	0,7 0.028	3,0 0.118
SD22-0.18-0.36-3R1	02730466	0,18 0.007	0,36 0.014	38,0 1.496	0,7 0.028	3,0 0.118
SD22-0.19-0.38-3R1	02730467	0,19 0.007	0,38 0.015	38,0 1.496	0,7 0.028	3,0 0.118
SD22-0.20-0.40-3R1	02731576	0,2 0.008	0,4 0.016	38,0 1.496	0,75 0.030	3,0 0.118
SD22-0.21-0.42-3R1	02730468	0,21 0.008	0,42 0.017	38,0 1.496	0,75 0.030	3,0 0.118
SD22-0.22-0.44-3R1	02730469	0,22 0.009	0,44 0.017	38,0 1.496	0,8 0.031	3,0 0.118
SD22-0.23-0.46-3R1	02730470	0,23 0.009	0,46 0.018	38,0 1.496	0,8 0.031	3,0 0.118
SD22-0.24-0.48-3R1	02730471	0,24 0.009	0,48 0.019	38,0 1.496	0,8 0.031	3,0 0.118
SD22-0.25-0.50-3R1	02731577	0,25 0.010	0,5 0.020	38,0 1.496	0,9 0.035	3,0 0.118
SD22-0.26-0.52-3R1	02730472	0,26 0.010	0,52 0.020	38,0 1.496	0,9 0.035	3,0 0.118
SD22-0.27-0.54-3R1	02730473	0,27 0.011	0,54 0.021	38,0 1.496	0,9 0.035	3,0 0.118
SD22-0.28-0.56-3R1	02730474	0,28 0.011	0,56 0.022	38,0 1.496	1,0 0.039	3,0 0.118
SD22-0.29-0.58-3R1	02730475	0,29 0.011	0,58 0.023	38,0 1.496	1,0 0.039	3,0 0.118
SD22-0.30-0.60-3R1	02731579	0,3 0.012	0,6 0.024	38,0 1.496	1,2 0.047	3,0 0.118

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD22-0.31-0.62-3R1	02730476	0,31 0.012	0,62 0.024	38,0 1.496	1,2 0.047	3,0 0.118
SD22-0.32-0.64-3R1	02730477	0,32 0.013	0,64 0.025	38,0 1.496	1,2 0.047	3,0 0.118
SD22-0.33-0.66-3R1	02730478	0,33 0.013	0,66 0.026	38,0 1.496	1,2 0.047	3,0 0.118
SD22-0.34-0.68-3R1	02730479	0,34 0.013	0,68 0.027	38,0 1.496	1,35 0.053	3,0 0.118
SD22-0.35-0.70-3R1	02731580	0,35 0.014	0,7 0.028	38,0 1.496	1,35 0.053	3,0 0.118
SD22-0.36-0.72-3R1	02730480	0,36 0.014	0,72 0.028	38,0 1.496	1,35 0.053	3,0 0.118
SD22-0.37-0.74-3R1	02730481	0,37 0.015	0,74 0.029	38,0 1.496	1,35 0.053	3,0 0.118
SD22-0.38-0.76-3R1	02730482	0,38 0.015	0,76 0.030	38,0 1.496	1,5 0.059	3,0 0.118
SD22-0.39-0.78-3R1	02730483	0,39 0.015	0,78 0.031	38,0 1.496	1,5 0.059	3,0 0.118
SD22-0.40-0.80-3R1	02731581	0,4 0.016	0,8 0.031	38,0 1.496	1,6 0.063	3,0 0.118
SD22-0.41-0.82-3R1	02730484	0,41 0.016	0,82 0.032	38,0 1.496	1,6 0.063	3,0 0.118
SD22-0.42-0.84-3R1	02730485	0,42 0.017	0,84 0.033	38,0 1.496	1,6 0.063	3,0 0.118
SD22-0.43-0.86-3R1	02730486	0,43 0.017	0,86 0.034	38,0 1.496	1,6 0.063	3,0 0.118
SD22-0.44-0.88-3R1	02730487	0,44 0.017	0,88 0.035	38,0 1.496	1,6 0.063	3,0 0.118
SD22-0.45-0.90-3R1	02731582	0,45 0.018	0,9 0.035	38,0 1.496	1,6 0.063	3,0 0.118
SD22-0.46-0.92-3R1	02730488	0,46 0.018	0,92 0.036	38,0 1.496	1,7 0.067	3,0 0.118
SD22-0.47-0.94-3R1	02730489	0,47 0.019	0,94 0.037	38,0 1.496	1,7 0.067	3,0 0.118
SD22-0.48-0.96-3R1	02730490	0,48 0.019	0,96 0.038	38,0 1.496	1,7 0.067	3,0 0.118
SD22-0.49-0.98-3R1	02730491	0,49 0.019	0,98 0.039	38,0 1.496	1,7 0.067	3,0 0.118
SD22-0.50-1.00-3R1	02731584	0,5 0.020	1,0 0.039	38,0 1.496	1,7 0.067	3,0 0.118
SD22-0.51-1.02-3R1	02730492	0,51 0.020	1,02 0.040	38,0 1.496	1,8 0.071	3,0 0.118
SD22-0.52-1.04-3R1	02730493	0,52 0.020	1,04 0.041	38,0 1.496	1,8 0.071	3,0 0.118
SD22-0.53-1.06-3R1	02730494	0,53 0.021	1,06 0.042	38,0 1.496	1,8 0.071	3,0 0.118
SD22-0.54-1.08-3R1	02730495	0,54 0.021	1,08 0.043	38,0 1.496	1,8 0.071	3,0 0.118
SD22-0.55-1.10-3R1	02731585	0,55 0.022	1,1 0.043	38,0 1.496	1,8 0.071	3,0 0.118
SD22-0.56-1.12-3R1	02730496	0,56 0.022	1,12 0.044	38,0 1.496	1,9 0.075	3,0 0.118
SD22-0.57-1.14-3R1	02730497	0,57 0.022	1,14 0.045	38,0 1.496	1,9 0.075	3,0 0.118
SD22-0.58-1.16-3R1	02730498	0,58 0.023	1,16 0.046	38,0 1.496	1,9 0.075	3,0 0.118
SD22-0.59-1.18-3R1	02730499	0,59 0.023	1,18 0.046	38,0 1.496	1,9 0.075	3,0 0.118
SD22-0.60-1.20-3R1	02731586	0,6 0.024	1,2 0.047	38,0 1.496	1,9 0.075	3,0 0.118
SD22-0.61-1.22-3R1	02730500	0,61 0.024	1,22 0.048	38,0 1.496	2,0 0.079	3,0 0.118

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD22-0.62-1.24-3R1	02730501	0,62 0.024	1,24 0.049	38,0 1.496	2,0 0.079	3,0 0.118
SD22-0.63-1.26-3R1	02730502	0,63 0.025	1,26 0.050	38,0 1.496	2,0 0.079	3,0 0.118
SD22-0.64-1.28-3R1	02730503	0,64 0.025	1,28 0.050	38,0 1.496	2,0 0.079	3,0 0.118
SD22-0.65-1.30-3R1	02731587	0,65 0.026	1,3 0.051	38,0 1.496	2,0 0.079	3,0 0.118
SD22-0.66-1.32-3R1	02730504	0,66 0.026	1,32 0.052	38,0 1.496	2,1 0.083	3,0 0.118
SD22-0.67-1.34-3R1	02730505	0,67 0.026	1,34 0.053	38,0 1.496	2,1 0.083	3,0 0.118
SD22-0.68-1.36-3R1	02730506	0,68 0.027	1,36 0.054	38,0 1.496	2,1 0.083	3,0 0.118
SD22-0.69-1.38-3R1	02730507	0,69 0.027	1,38 0.054	38,0 1.496	2,1 0.083	3,0 0.118
SD22-0.70-1.40-3R1	02731589	0,7 0.028	1,4 0.055	38,0 1.496	2,1 0.083	3,0 0.118
SD22-0.71-1.42-3R1	02730508	0,71 0.028	1,42 0.056	38,0 1.496	2,2 0.087	3,0 0.118
SD22-0.72-1.44-3R1	02730509	0,72 0.028	1,44 0.057	38,0 1.496	2,2 0.087	3,0 0.118
SD22-0.73-1.46-3R1	02730510	0,73 0.029	1,46 0.057	38,0 1.496	2,2 0.087	3,0 0.118
SD22-0.74-1.48-3R1	02730511	0,74 0.029	1,48 0.058	38,0 1.496	2,2 0.087	3,0 0.118
SD22-0.75-1.50-3R1	02731590	0,75 0.030	1,5 0.059	38,0 1.496	2,2 0.087	3,0 0.118
SD22-0.76-1.52-3R1	02730512	0,76 0.030	1,52 0.060	38,0 1.496	2,3 0.091	3,0 0.118
SD22-0.77-1.54-3R1	02730513	0,77 0.030	1,54 0.061	38,0 1.496	2,3 0.091	3,0 0.118
SD22-0.78-1.56-3R1	02730514	0,78 0.031	1,56 0.061	38,0 1.496	2,3 0.091	3,0 0.118
SD22-0.79-1.58-3R1	02730515	0,79 0.031	1,58 0.062	38,0 1.496	2,3 0.091	3,0 0.118
SD22-0.80-1.60-3R1	02731592	0,8 0.031	1,6 0.063	38,0 1.496	2,3 0.091	3,0 0.118
SD22-0.81-1.62-3R1	02730516	0,81 0.032	1,62 0.064	38,0 1.496	2,4 0.094	3,0 0.118
SD22-0.82-1.64-3R1	02730517	0,82 0.032	1,64 0.065	38,0 1.496	2,4 0.094	3,0 0.118
SD22-0.83-1.66-3R1	02730518	0,83 0.033	1,66 0.065	38,0 1.496	2,4 0.094	3,0 0.118
SD22-0.84-1.68-3R1	02730519	0,84 0.033	1,68 0.066	38,0 1.496	2,4 0.094	3,0 0.118
SD22-0.85-1.70-3R1	02731593	0,85 0.033	1,7 0.067	38,0 1.496	2,4 0.094	3,0 0.118
SD22-0.86-1.72-3R1	02730520	0,86 0.034	1,72 0.068	38,0 1.496	2,5 0.098	3,0 0.118
SD22-0.87-1.74-3R1	02730521	0,87 0.034	1,74 0.069	38,0 1.496	2,5 0.098	3,0 0.118
SD22-0.88-1.76-3R1	02730522	0,88 0.035	1,76 0.069	38,0 1.496	2,5 0.098	3,0 0.118
SD22-0.89-1.78-3R1	02730523	0,89 0.035	1,78 0.070	38,0 1.496	2,5 0.098	3,0 0.118
SD22-0.90-1.80-3R1	02731594	0,9 0.035	1,8 0.071	38,0 1.496	2,5 0.098	3,0 0.118
SD22-0.91-1.82-3R1	02730524	0,91 0.036	1,82 0.072	38,0 1.496	2,6 0.102	3,0 0.118
SD22-0.92-1.84-3R1	02730525	0,92 0.036	1,84 0.072	38,0 1.496	2,6 0.102	3,0 0.118

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD22-0.93-1.86-3R1	02730526	0,93 0.037	1,86 0.073	38,0 1.496	2,6 0.102	3,0 0.118
SD22-0.94-1.88-3R1	02730527	0,94 0.037	1,88 0.074	38,0 1.496	2,6 0.102	3,0 0.118
SD22-0.95-1.90-3R1	02731595	0,95 0.037	1,9 0.075	38,0 1.496	2,6 0.102	3,0 0.118
SD22-0.96-1.92-3R1	02730528	0,96 0.038	1,92 0.076	38,0 1.496	2,7 0.106	3,0 0.118
SD22-0.97-1.94-3R1	02730529	0,97 0.038	1,94 0.076	38,0 1.496	2,7 0.106	3,0 0.118
SD22-0.98-1.96-3R1	02730530	0,98 0.039	1,96 0.077	38,0 1.496	2,7 0.106	3,0 0.118
SD22-0.99-1.98-3R1	02730531	0,99 0.039	1,98 0.078	38,0 1.496	2,7 0.106	3,0 0.118
SD22-1.00-2.00-3R1	02731596	1,0 0.039	2,0 0.079	38,0 1.496	2,7 0.106	3,0 0.118
SD22-1.01-2.02-3R1	02730532	1,01 0.040	2,02 0.080	38,0 1.496	3,5 0.138	3,0 0.118
SD22-1.02-2.04-3R1	02730533	1,02 0.040	2,04 0.080	38,0 1.496	3,5 0.138	3,0 0.118
SD22-1.03-2.06-3R1	02730534	1,03 0.041	2,06 0.081	38,0 1.496	3,5 0.138	3,0 0.118
SD22-1.04-2.08-3R1	02730535	1,04 0.041	2,08 0.082	38,0 1.496	3,5 0.138	3,0 0.118
SD22-1.05-2.10-3R1	02730536	1,05 0.041	2,1 0.083	38,0 1.496	3,5 0.138	3,0 0.118
SD22-1.06-2.12-3R1	02730537	1,06 0.042	2,12 0.083	38,0 1.496	3,6 0.142	3,0 0.118
SD22-1.07-2.14-3R1	02730538	1,07 0.042	2,14 0.084	38,0 1.496	3,6 0.142	3,0 0.118
SD22-1.08-2.16-3R1	02730539	1,08 0.043	2,16 0.085	38,0 1.496	3,6 0.142	3,0 0.118
SD22-1.09-2.18-3R1	02730540	1,09 0.043	2,18 0.086	38,0 1.496	3,6 0.142	3,0 0.118
SD22-1.10-2.20-3R1	02731598	1,1 0.043	2,2 0.087	38,0 1.496	3,6 0.142	3,0 0.118
SD22-1.11-2.22-3R1	02730541	1,11 0.044	2,22 0.087	38,0 1.496	3,7 0.146	3,0 0.118
SD22-1.12-2.24-3R1	02730542	1,12 0.044	2,24 0.088	38,0 1.496	3,7 0.146	3,0 0.118
SD22-1.13-2.26-3R1	02730543	1,13 0.044	2,26 0.089	38,0 1.496	3,7 0.146	3,0 0.118
SD22-1.14-2.28-3R1	02730544	1,14 0.045	2,28 0.090	38,0 1.496	3,7 0.146	3,0 0.118
SD22-1.15-2.30-3R1	02730545	1,15 0.045	2,3 0.091	38,0 1.496	3,7 0.146	3,0 0.118
SD22-1.16-2.32-3R1	02730546	1,16 0.046	2,32 0.091	38,0 1.496	3,8 0.150	3,0 0.118
SD22-1.17-2.34-3R1	02730547	1,17 0.046	2,34 0.092	38,0 1.496	3,8 0.150	3,0 0.118
SD22-1.18-2.36-3R1	02730548	1,18 0.046	2,36 0.093	38,0 1.496	3,8 0.150	3,0 0.118
SD22-1.19-2.38-3R1	02730549	1,19 0.047	2,38 0.094	38,0 1.496	3,8 0.150	3,0 0.118
SD22-1.20-2.40-3R1	02731599	1,2 0.047	2,4 0.094	38,0 1.496	3,8 0.150	3,0 0.118
SD22-1.21-2.42-3R1	02730550	1,21 0.048	2,42 0.095	38,0 1.496	4,2 0.165	3,0 0.118
SD22-1.22-2.44-3R1	02730551	1,22 0.048	2,44 0.096	38,0 1.496	4,2 0.165	3,0 0.118
SD22-1.23-2.46-3R1	02730552	1,23 0.048	2,46 0.097	38,0 1.496	4,2 0.165	3,0 0.118

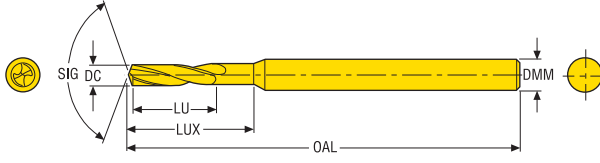
Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD22-1.24-2.48-3R1	02730553	1,24 0.049	2,48 0.098	38,0 1.496	4,2 0.165	3,0 0.118
SD22-1.25-2.50-3R1	02730554	1,25 0.049	2,5 0.098	38,0 1.496	4,2 0.165	3,0 0.118
SD22-1.26-2.52-3R1	02730555	1,26 0.050	2,52 0.099	38,0 1.496	4,3 0.169	3,0 0.118
SD22-1.27-2.54-3R1	02730556	1,27 0.050	2,54 0.100	38,0 1.496	4,3 0.169	3,0 0.118
SD22-1.28-2.56-3R1	02730557	1,28 0.050	2,56 0.101	38,0 1.496	4,3 0.169	3,0 0.118
SD22-1.29-2.58-3R1	02730558	1,29 0.051	2,58 0.102	38,0 1.496	4,3 0.169	3,0 0.118
SD22-1.30-2.60-3R1	02731600	1,3 0.051	2,6 0.102	38,0 1.496	4,3 0.169	3,0 0.118
SD22-1.31-2.62-3R1	02730559	1,31 0.052	2,62 0.103	38,0 1.496	4,4 0.173	3,0 0.118
SD22-1.32-2.64-3R1	02730560	1,32 0.052	2,64 0.104	38,0 1.496	4,4 0.173	3,0 0.118
SD22-1.33-2.66-3R1	02730561	1,33 0.052	2,66 0.105	38,0 1.496	4,4 0.173	3,0 0.118
SD22-1.34-2.68-3R1	02730562	1,34 0.053	2,68 0.106	38,0 1.496	4,4 0.173	3,0 0.118
SD22-1.35-2.70-3R1	02730563	1,35 0.053	2,7 0.106	38,0 1.496	4,4 0.173	3,0 0.118
SD22-1.36-2.72-3R1	02730564	1,36 0.054	2,72 0.107	38,0 1.496	4,5 0.177	3,0 0.118
SD22-1.37-2.74-3R1	02730565	1,37 0.054	2,74 0.108	38,0 1.496	4,5 0.177	3,0 0.118
SD22-1.38-2.76-3R1	02730566	1,38 0.054	2,76 0.109	38,0 1.496	4,5 0.177	3,0 0.118
SD22-1.39-2.78-3R1	02730567	1,39 0.055	2,78 0.109	38,0 1.496	4,5 0.177	3,0 0.118
SD22-1.40-2.80-3R1	02731602	1,4 0.055	2,8 0.110	38,0 1.496	4,5 0.177	3,0 0.118
SD22-1.41-2.82-3R1	02730568	1,41 0.056	2,82 0.111	38,0 1.496	4,6 0.181	3,0 0.118
SD22-1.42-2.84-3R1	02730569	1,42 0.056	2,84 0.112	38,0 1.496	4,6 0.181	3,0 0.118
SD22-1.43-2.86-3R1	02730570	1,43 0.056	2,86 0.113	38,0 1.496	4,6 0.181	3,0 0.118
SD22-1.44-2.88-3R1	02730571	1,44 0.057	2,88 0.113	38,0 1.496	4,6 0.181	3,0 0.118
SD22-1.45-2.90-3R1	02730572	1,45 0.057	2,9 0.114	38,0 1.496	4,6 0.181	3,0 0.118
SD22-1.46-2.92-3R1	02730573	1,46 0.057	2,92 0.115	38,0 1.496	4,7 0.185	3,0 0.118
SD22-1.47-2.94-3R1	02730574	1,47 0.058	2,94 0.116	38,0 1.496	4,7 0.185	3,0 0.118
SD22-1.48-2.96-3R1	02730575	1,48 0.058	2,96 0.117	38,0 1.496	4,7 0.185	3,0 0.118
SD22-1.49-2.98-3R1	02730576	1,49 0.059	2,98 0.117	38,0 1.496	4,7 0.185	3,0 0.118
SD22-1.50-3.00-3R1	02731603	1,5 0.059	3,0 0.118	38,0 1.496	4,7 0.185	3,0 0.118
SD22-1.51-3.02-3R1	02730577	1,51 0.059	3,02 0.119	38,0 1.496	5,1 0.201	3,0 0.118
SD22-1.52-3.04-3R1	02730578	1,52 0.060	3,04 0.120	38,0 1.496	5,1 0.201	3,0 0.118
SD22-1.53-3.06-3R1	02730579	1,53 0.060	3,06 0.120	38,0 1.496	5,1 0.201	3,0 0.118
SD22-1.54-3.08-3R1	02730580	1,54 0.061	3,08 0.121	38,0 1.496	5,1 0.201	3,0 0.118

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD22-1.55-3.10-3R1	02730581	1,55 0.061	3,1 0.122	38,0 1.496	5,1 0.201	3,0 0.118
SD22-1.56-3.12-3R1	02730582	1,56 0.061	3,12 0.123	38,0 1.496	5,2 0.205	3,0 0.118
SD22-1.57-3.14-3R1	02730583	1,57 0.062	3,14 0.124	38,0 1.496	5,2 0.205	3,0 0.118
SD22-1.58-3.16-3R1	02730584	1,58 0.062	3,16 0.124	38,0 1.496	5,2 0.205	3,0 0.118
SD22-1.59-3.18-3R1	02730585	1,59 0.063	3,18 0.125	38,0 1.496	5,2 0.205	3,0 0.118
SD22-1.60-3.20-3R1	02731605	1,6 0.063	3,2 0.126	38,0 1.496	5,2 0.205	3,0 0.118
SD22-1.61-3.22-3R1	02730586	1,61 0.063	3,22 0.127	38,0 1.496	5,3 0.209	3,0 0.118
SD22-1.62-3.24-3R1	02730587	1,62 0.064	3,24 0.128	38,0 1.496	5,3 0.209	3,0 0.118
SD22-1.63-3.26-3R1	02730588	1,63 0.064	3,26 0.128	38,0 1.496	5,3 0.209	3,0 0.118
SD22-1.64-3.28-3R1	02730589	1,64 0.065	3,28 0.129	38,0 1.496	5,3 0.209	3,0 0.118
SD22-1.65-3.30-3R1	02730590	1,65 0.065	3,3 0.130	38,0 1.496	5,3 0.209	3,0 0.118
SD22-1.66-3.32-3R1	02730592	1,66 0.065	3,32 0.131	38,0 1.496	5,4 0.213	3,0 0.118
SD22-1.67-3.34-3R1	02730593	1,67 0.066	3,34 0.131	38,0 1.496	5,4 0.213	3,0 0.118
SD22-1.68-3.36-3R1	02730594	1,68 0.066	3,36 0.132	38,0 1.496	5,4 0.213	3,0 0.118
SD22-1.69-3.38-3R1	02730595	1,69 0.067	3,38 0.133	38,0 1.496	5,4 0.213	3,0 0.118
SD22-1.70-3.40-3R1	02731606	1,7 0.067	3,4 0.134	38,0 1.496	5,4 0.213	3,0 0.118
SD22-1.71-3.42-3R1	02730596	1,71 0.067	3,42 0.135	38,0 1.496	5,5 0.217	3,0 0.118
SD22-1.72-3.44-3R1	02730597	1,72 0.068	3,44 0.135	38,0 1.496	5,5 0.217	3,0 0.118
SD22-1.73-3.46-3R1	02730598	1,73 0.068	3,46 0.136	38,0 1.496	5,5 0.217	3,0 0.118
SD22-1.74-3.48-3R1	02730599	1,74 0.069	3,48 0.137	38,0 1.496	5,5 0.217	3,0 0.118
SD22-1.75-3.50-3R1	02730601	1,75 0.069	3,5 0.138	38,0 1.496	5,5 0.217	3,0 0.118
SD22-1.76-3.52-3R1	02730602	1,76 0.069	3,52 0.139	38,0 1.496	5,6 0.220	3,0 0.118
SD22-1.77-3.54-3R1	02730603	1,77 0.070	3,54 0.139	38,0 1.496	5,6 0.220	3,0 0.118
SD22-1.78-3.56-3R1	02730604	1,78 0.070	3,56 0.140	38,0 1.496	5,6 0.220	3,0 0.118
SD22-1.79-3.58-3R1	02730605	1,79 0.070	3,58 0.141	38,0 1.496	5,6 0.220	3,0 0.118
SD22-1.80-3.60-3R1	02731607	1,8 0.071	3,6 0.142	38,0 1.496	5,6 0.220	3,0 0.118
SD22-1.81-3.62-3R1	02730606	1,81 0.071	3,62 0.143	38,0 1.496	5,7 0.224	3,0 0.118
SD22-1.82-3.64-3R1	02730607	1,82 0.072	3,64 0.143	38,0 1.496	5,7 0.224	3,0 0.118
SD22-1.83-3.66-3R1	02730608	1,83 0.072	3,66 0.144	38,0 1.496	5,7 0.224	3,0 0.118
SD22-1.84-3.68-3R1	02730609	1,84 0.072	3,68 0.145	38,0 1.496	5,7 0.224	3,0 0.118
SD22-1.85-3.70-3R1	02730610	1,85 0.073	3,7 0.146	38,0 1.496	5,7 0.224	3,0 0.118

Giriş	Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	DMM
			mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
Delme	SD22-1.86-3.72-3R1	02730611	1,86 0.073	3,72 0.146	38,0 1.496	5,8 0.228	3,0 0.118
	SD22-1.87-3.74-3R1	02730612	1,87 0.074	3,74 0.147	38,0 1.496	5,8 0.228	3,0 0.118
	SD22-1.88-3.76-3R1	02730613	1,88 0.074	3,76 0.148	38,0 1.496	5,8 0.228	3,0 0.118
	SD22-1.89-3.78-3R1	02730614	1,89 0.074	3,78 0.149	38,0 1.496	5,8 0.228	3,0 0.118
	SD22-1.90-3.80-3R1	02731609	1,9 0.075	3,8 0.150	38,0 1.496	5,8 0.228	3,0 0.118
	SD22-1.91-3.82-3R1	02730615	1,91 0.075	3,82 0.150	38,0 1.496	5,9 0.232	3,0 0.118
	SD22-1.92-3.84-3R1	02730616	1,92 0.076	3,84 0.151	38,0 1.496	5,9 0.232	3,0 0.118
	SD22-1.93-3.86-3R1	02730617	1,93 0.076	3,86 0.152	38,0 1.496	5,9 0.232	3,0 0.118
	SD22-1.94-3.88-3R1	02730618	1,94 0.076	3,88 0.153	38,0 1.496	5,9 0.232	3,0 0.118
	SD22-1.95-3.90-3R1	02730619	1,95 0.077	3,9 0.154	38,0 1.496	5,9 0.232	3,0 0.118
	SD22-1.96-3.92-3R1	02730620	1,96 0.077	3,92 0.154	38,0 1.496	6,0 0.236	3,0 0.118
	SD22-1.97-3.94-3R1	02730621	1,97 0.078	3,94 0.155	38,0 1.496	6,0 0.236	3,0 0.118
	SD22-1.98-3.96-3R1	02730622	1,98 0.078	3,96 0.156	38,0 1.496	6,0 0.236	3,0 0.118
	SD22-1.99-3.98-3R1	02730623	1,99 0.078	3,98 0.157	38,0 1.496	6,0 0.236	3,0 0.118
	SD22-2.00-4.00-3R1	02731610	2,0 0.079	4,0 0.157	38,0 1.496	6,0 0.236	3,0 0.118

SD26

Delme derinliği ~ 6 x D



- Silindirik sap
- Dıştan soğutma sıvısı
- Uç nokta açısı: 130°
- Kaplamasız
- Kesme verileri için, bakınız sayfa 169-173

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD26-0.10-0.40-3R1	02731612	0,1 0.004	0,4 0.016	38,0 1.496	0,7 0.028	3,0 0.118
SD26-0.11-0.40-3R1	02730624	0,11 0.004	0,4 0.016	38,0 1.496	0,7 0.028	3,0 0.118
SD26-0.12-0.40-3R1	02730625	0,12 0.005	0,4 0.016	38,0 1.496	0,7 0.028	3,0 0.118
SD26-0.13-0.65-3R1	02730626	0,13 0.005	0,65 0.026	38,0 1.496	1,0 0.039	3,0 0.118
SD26-0.14-0.65-3R1	02730627	0,14 0.006	0,65 0.026	38,0 1.496	1,0 0.039	3,0 0.118
SD26-0.15-0.65-3R1	02731613	0,15 0.006	0,9 0.035	38,0 1.496	1,4 0.055	3,0 0.118
SD26-0.16-0.90-3R1	02730628	0,16 0.006	0,9 0.035	38,0 1.496	1,4 0.055	3,0 0.118
SD26-0.17-0.90-3R1	02730629	0,17 0.007	0,9 0.035	38,0 1.496	1,4 0.055	3,0 0.118
SD26-0.18-0.90-3R1	02730630	0,18 0.007	0,9 0.035	38,0 1.496	1,4 0.055	3,0 0.118
SD26-0.19-0.90-3R1	02730631	0,19 0.007	0,9 0.035	38,0 1.496	1,4 0.055	3,0 0.118
SD26-0.20-1.25-3R1	02731615	0,2 0.008	1,25 0.049	38,0 1.496	1,8 0.071	3,0 0.118
SD26-0.21-1.25-3R1	02730632	0,21 0.008	1,25 0.049	38,0 1.496	1,8 0.071	3,0 0.118
SD26-0.22-1.25-3R1	02730633	0,22 0.009	1,25 0.049	38,0 1.496	1,8 0.071	3,0 0.118
SD26-0.23-1.25-3R1	02730634	0,23 0.009	1,25 0.049	38,0 1.496	1,8 0.071	3,0 0.118
SD26-0.24-1.25-3R1	02730635	0,24 0.009	1,25 0.049	38,0 1.496	1,8 0.071	3,0 0.118
SD26-0.25-1.55-3R1	02731617	0,25 0.010	1,55 0.061	38,0 1.496	2,2 0.087	3,0 0.118
SD26-0.26-1.55-3R1	02730636	0,26 0.010	1,55 0.061	38,0 1.496	2,2 0.087	3,0 0.118
SD26-0.27-1.55-3R1	02730637	0,27 0.011	1,55 0.061	38,0 1.496	2,2 0.087	3,0 0.118
SD26-0.28-1.55-3R1	02730638	0,28 0.011	1,55 0.061	38,0 1.496	2,2 0.087	3,0 0.118
SD26-0.29-1.55-3R1	02730639	0,29 0.011	1,55 0.061	38,0 1.496	2,2 0.087	3,0 0.118
SD26-0.30-1.80-3R1	02731618	0,3 0.012	1,8 0.071	38,0 1.496	2,4 0.094	3,0 0.118

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD26-0.31-1.80-3R1	02730640	0,31 0.012	1,8 0.071	38,0 1.496	2,4 0.094	3,0 0.118
SD26-0.32-1.80-3R1	02730641	0,32 0.013	1,8 0.071	38,0 1.496	2,4 0.094	3,0 0.118
SD26-0.33-1.80-3R1	02730642	0,33 0.013	1,8 0.071	38,0 1.496	2,4 0.094	3,0 0.118
SD26-0.34-1.80-3R1	02730643	0,34 0.013	1,8 0.071	38,0 1.496	2,4 0.094	3,0 0.118
SD26-0.35-2.20-3R1	02731619	0,35 0.014	2,2 0.087	38,0 1.496	2,8 0.110	3,0 0.118
SD26-0.36-2.20-3R1	02730644	0,36 0.014	2,2 0.087	38,0 1.496	2,8 0.110	3,0 0.118
SD26-0.37-2.20-3R1	02730645	0,37 0.015	2,2 0.087	38,0 1.496	2,8 0.110	3,0 0.118
SD26-0.38-2.20-3R1	02730646	0,38 0.015	2,2 0.087	38,0 1.496	2,8 0.110	3,0 0.118
SD26-0.39-2.70-3R1	02730647	0,39 0.015	2,7 0.106	38,0 1.496	3,6 0.142	3,0 0.118
SD26-0.40-2.70-3R1	02731620	0,4 0.016	2,7 0.106	38,0 1.496	3,6 0.142	3,0 0.118
SD26-0.41-2.70-3R1	02730648	0,41 0.016	2,7 0.106	38,0 1.496	3,6 0.142	3,0 0.118
SD26-0.42-2.70-3R1	02730649	0,42 0.017	2,7 0.106	38,0 1.496	3,6 0.142	3,0 0.118
SD26-0.43-2.70-3R1	02730650	0,43 0.017	2,7 0.106	38,0 1.496	3,6 0.142	3,0 0.118
SD26-0.44-2.70-3R1	02730651	0,44 0.017	2,7 0.106	38,0 1.496	3,6 0.142	3,0 0.118
SD26-0.45-2.70-3R1	02731621	0,45 0.018	2,7 0.106	38,0 1.496	3,6 0.142	3,0 0.118
SD26-0.46-2.70-3R1	02730652	0,46 0.018	2,7 0.106	38,0 1.496	3,6 0.142	3,0 0.118
SD26-0.47-2.70-3R1	02730653	0,47 0.019	2,7 0.106	38,0 1.496	3,6 0.142	3,0 0.118
SD26-0.48-2.70-3R1	02730654	0,48 0.019	2,7 0.106	38,0 1.496	3,6 0.142	3,0 0.118
SD26-0.49-3.20-3R1	02730655	0,49 0.019	3,2 0.126	38,0 1.496	4,0 0.157	3,0 0.118
SD26-0.50-3.20-3R1	02731622	0,5 0.020	3,2 0.126	38,0 1.496	4,0 0.157	3,0 0.118
SD26-0.51-3.20-3R1	02730656	0,51 0.020	3,2 0.126	38,0 1.496	4,0 0.157	3,0 0.118
SD26-0.52-3.20-3R1	02730657	0,52 0.020	3,2 0.126	38,0 1.496	4,0 0.157	3,0 0.118
SD26-0.53-3.20-3R1	02730658	0,53 0.021	3,2 0.126	38,0 1.496	4,0 0.157	3,0 0.118
SD26-0.54-3.60-3R1	02730659	0,54 0.021	3,6 0.142	38,0 1.496	4,5 0.177	3,0 0.118
SD26-0.55-3.60-3R1	02731623	0,55 0.022	3,6 0.142	38,0 1.496	4,5 0.177	3,0 0.118
SD26-0.56-3.60-3R1	02730660	0,56 0.022	3,6 0.142	38,0 1.496	4,5 0.177	3,0 0.118
SD26-0.57-3.60-3R1	02730661	0,57 0.022	3,6 0.142	38,0 1.496	4,5 0.177	3,0 0.118
SD26-0.58-3.60-3R1	02730662	0,58 0.023	3,6 0.142	38,0 1.496	4,5 0.177	3,0 0.118
SD26-0.59-3.60-3R1	02730663	0,59 0.023	3,6 0.142	38,0 1.496	4,5 0.177	3,0 0.118
SD26-0.60-3.60-3R1	02731624	0,6 0.024	3,6 0.142	38,0 1.496	4,5 0.177	3,0 0.118
SD26-0.61-3.90-3R1	02730664	0,61 0.024	3,6 0.142	38,0 1.496	4,5 0.177	3,0 0.118

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD26-0.62-3.90-3R1	02730665	0,62 0.024	3,9 0.154	38,0 1.496	5,0 0.197	3,0 0.118
SD26-0.63-3.90-3R1	02730666	0,63 0.025	3,9 0.154	38,0 1.496	5,0 0.197	3,0 0.118
SD26-0.64-3.90-3R1	02730667	0,64 0.025	3,9 0.154	38,0 1.496	5,0 0.197	3,0 0.118
SD26-0.65-3.90-3R1	02731625	0,65 0.026	3,9 0.154	38,0 1.496	5,0 0.197	3,0 0.118
SD26-0.66-3.90-3R1	02730668	0,66 0.026	3,9 0.154	38,0 1.496	5,0 0.197	3,0 0.118
SD26-0.67-3.90-3R1	02730669	0,67 0.026	3,9 0.154	38,0 1.496	5,0 0.197	3,0 0.118
SD26-0.68-4.50-3R1	02730670	0,68 0.027	4,5 0.177	38,0 1.496	5,6 0.220	3,0 0.118
SD26-0.69-4.50-3R1	02730671	0,69 0.027	4,5 0.177	38,0 1.496	5,6 0.220	3,0 0.118
SD26-0.70-4.50-3R1	02731626	0,7 0.028	4,5 0.177	38,0 1.496	5,6 0.220	3,0 0.118
SD26-0.71-4.50-3R1	02730672	0,71 0.028	4,5 0.177	38,0 1.496	5,6 0.220	3,0 0.118
SD26-0.72-4.50-3R1	02730673	0,72 0.028	4,5 0.177	38,0 1.496	5,6 0.220	3,0 0.118
SD26-0.73-4.50-3R1	02730674	0,73 0.029	4,5 0.177	38,0 1.496	5,6 0.220	3,0 0.118
SD26-0.74-4.50-3R1	02730675	0,74 0.029	4,5 0.177	38,0 1.496	5,6 0.220	3,0 0.118
SD26-0.75-4.50-3R1	02731627	0,75 0.030	4,5 0.177	38,0 1.496	5,6 0.220	3,0 0.118
SD26-0.76-5.00-3R1	02730676	0,76 0.030	5,0 0.197	38,0 1.496	6,3 0.248	3,0 0.118
SD26-0.77-5.00-3R1	02730677	0,77 0.030	5,0 0.197	38,0 1.496	6,3 0.248	3,0 0.118
SD26-0.78-5.00-3R1	02730678	0,78 0.031	5,0 0.197	38,0 1.496	6,3 0.248	3,0 0.118
SD26-0.79-5.00-3R1	02730679	0,79 0.031	5,0 0.197	38,0 1.496	6,3 0.248	3,0 0.118
SD26-0.80-5.00-3R1	02731628	0,8 0.031	5,0 0.197	38,0 1.496	6,3 0.248	3,0 0.118
SD26-0.81-5.00-3R1	02730680	0,81 0.032	5,0 0.197	38,0 1.496	6,3 0.248	3,0 0.118
SD26-0.82-5.00-3R1	02730681	0,82 0.032	5,0 0.197	38,0 1.496	6,3 0.248	3,0 0.118
SD26-0.83-5.00-3R1	02730682	0,83 0.033	5,0 0.197	38,0 1.496	6,3 0.248	3,0 0.118
SD26-0.84-5.00-3R1	02730683	0,84 0.033	5,0 0.197	38,0 1.496	6,3 0.248	3,0 0.118
SD26-0.85-5.00-3R1	02731629	0,85 0.033	5,0 0.197	38,0 1.496	6,3 0.248	3,0 0.118
SD26-0.86-5.70-3R1	02730684	0,86 0.034	5,7 0.224	38,0 1.496	7,1 0.280	3,0 0.118
SD26-0.87-5.70-3R1	02730685	0,87 0.034	5,7 0.224	38,0 1.496	7,1 0.280	3,0 0.118
SD26-0.88-5.70-3R1	02730686	0,88 0.035	5,7 0.224	38,0 1.496	7,1 0.280	3,0 0.118
SD26-0.89-5.70-3R1	02730687	0,89 0.035	5,7 0.224	38,0 1.496	7,1 0.280	3,0 0.118
SD26-0.90-5.70-3R1	02731630	0,9 0.035	5,7 0.224	38,0 1.496	7,1 0.280	3,0 0.118
SD26-0.91-5.70-3R1	02730688	0,91 0.036	5,7 0.224	38,0 1.496	7,1 0.280	3,0 0.118
SD26-0.92-5.70-3R1	02730689	0,92 0.036	5,7 0.224	38,0 1.496	7,1 0.280	3,0 0.118

Giriş	Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	DMM
			mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
Delme	SD26-0.93-5.70-3R1	02730690	0,93 0.037	5,7 0.224	38,0 1.496	7,1 0.280	3,0 0.118
	SD26-0.94-5.70-3R1	02730691	0,94 0.037	5,7 0.224	38,0 1.496	7,1 0.280	3,0 0.118
	SD26-0.95-5.70-3R1	02731631	0,95 0.037	5,7 0.224	38,0 1.496	7,1 0.280	3,0 0.118
	SD26-0.96-6.50-3R1	02730692	0,96 0.038	6,5 0.256	38,0 1.496	8,0 0.315	3,0 0.118
	SD26-0.97-6.50-3R1	02730693	0,97 0.038	6,5 0.256	38,0 1.496	8,0 0.315	3,0 0.118
	SD26-0.98-6.50-3R1	02730694	0,98 0.039	6,5 0.256	38,0 1.496	8,0 0.315	3,0 0.118
	SD26-0.99-6.50-3R1	02730695	0,99 0.039	6,5 0.256	38,0 1.496	8,0 0.315	3,0 0.118
	SD26-1.00-6.50-3R1	02731632	1,0 0.039	6,5 0.256	38,0 1.496	8,0 0.315	3,0 0.118
	SD26-1.01-6.50-3R1	02730696	1,01 0.040	6,5 0.256	38,0 1.496	8,0 0.315	3,0 0.118
	SD26-1.02-6.50-3R1	02730697	1,02 0.040	6,5 0.256	38,0 1.496	8,0 0.315	3,0 0.118
	SD26-1.03-6.50-3R1	02730698	1,03 0.041	6,5 0.256	38,0 1.496	8,0 0.315	3,0 0.118
	SD26-1.04-6.50-3R1	02730699	1,04 0.041	6,5 0.256	38,0 1.496	8,0 0.315	3,0 0.118
	SD26-1.05-6.50-3R1	02730700	1,05 0.041	6,5 0.256	38,0 1.496	8,0 0.315	3,0 0.118
	SD26-1.06-7.30-3R1	02730701	1,06 0.042	7,3 0.287	38,0 1.496	9,0 0.354	3,0 0.118
	SD26-1.07-7.30-3R1	02730702	1,07 0.042	7,3 0.287	38,0 1.496	9,0 0.354	3,0 0.118
	SD26-1.08-7.30-3R1	02730703	1,08 0.043	7,3 0.287	38,0 1.496	9,0 0.354	3,0 0.118
SD26-1.09-7.30-3R1	02730704	1,09 0.043	7,3 0.287	38,0 1.496	9,0 0.354	3,0 0.118	
SD26-1.10-7.30-3R1	02731633	1,1 0.043	7,3 0.287	38,0 1.496	9,0 0.354	3,0 0.118	
SD26-1.11-7.30-3R1	02730705	1,11 0.044	7,3 0.287	38,0 1.496	9,0 0.354	3,0 0.118	
SD26-1.12-7.30-3R1	02730706	1,12 0.044	7,3 0.287	38,0 1.496	9,0 0.354	3,0 0.118	
SD26-1.13-7.30-3R1	02730707	1,13 0.044	7,3 0.287	38,0 1.496	9,0 0.354	3,0 0.118	
SD26-1.14-7.30-3R1	02730708	1,14 0.045	7,3 0.287	38,0 1.496	9,0 0.354	3,0 0.118	
SD26-1.15-7.30-3R1	02730709	1,15 0.045	7,3 0.287	38,0 1.496	9,0 0.354	3,0 0.118	
SD26-1.16-8.20-3R1	02730710	1,16 0.046	8,2 0.323	38,0 1.496	10,0 0.394	3,0 0.118	
SD26-1.17-8.20-3R1	02730711	1,17 0.046	8,2 0.323	38,0 1.496	10,0 0.394	3,0 0.118	
SD26-1.18-8.20-3R1	02730712	1,18 0.046	8,2 0.323	38,0 1.496	10,0 0.394	3,0 0.118	
SD26-1.19-8.20-3R1	02730713	1,19 0.047	8,2 0.323	38,0 1.496	10,0 0.394	3,0 0.118	
SD26-1.20-8.20-3R1	02731634	1,2 0.047	8,2 0.323	38,0 1.496	10,0 0.394	3,0 0.118	
SD26-1.21-8.20-3R1	02730714	1,21 0.048	8,2 0.323	38,0 1.496	10,0 0.394	3,0 0.118	
SD26-1.22-8.20-3R1	02730715	1,22 0.048	8,2 0.323	38,0 1.496	10,0 0.394	3,0 0.118	
SD26-1.23-8.20-3R1	02730716	1,23 0.048	8,2 0.323	38,0 1.496	10,0 0.394	3,0 0.118	

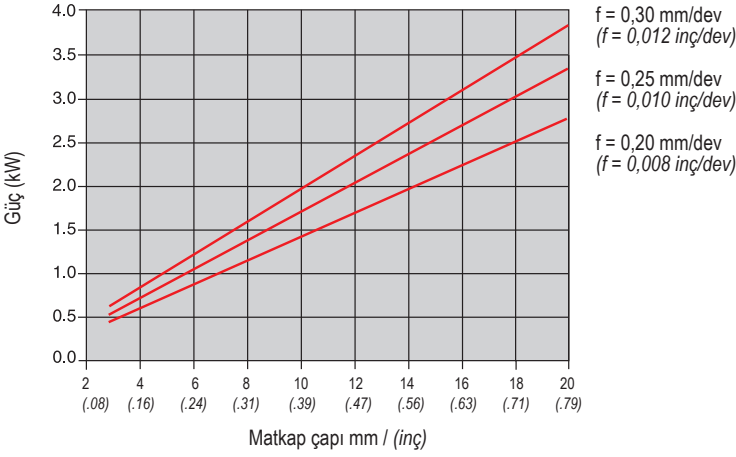
Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD26-1.24-8.20-3R1	02730717	1,24 0.049	8,2 0.323	38,0 1.496	10,0 0.394	3,0 0.118
SD26-1.25-8.20-3R1	02730718	1,25 0.049	8,2 0.323	38,0 1.496	10,0 0.394	3,0 0.118
SD26-1.26-8.20-3R1	02730719	1,26 0.050	8,2 0.323	38,0 1.496	10,0 0.394	3,0 0.118
SD26-1.27-8.20-3R1	02730720	1,27 0.050	8,2 0.323	38,0 1.496	10,0 0.394	3,0 0.118
SD26-1.28-8.20-3R1	02730721	1,28 0.050	8,2 0.323	38,0 1.496	10,0 0.394	3,0 0.118
SD26-1.29-8.20-3R1	02730722	1,29 0.051	8,2 0.323	38,0 1.496	10,0 0.394	3,0 0.118
SD26-1.30-8.20-3R1	02731635	1,3 0.051	8,2 0.323	38,0 1.496	10,0 0.394	3,0 0.118
SD26-1.31-9.20-3R1	02730723	1,31 0.052	9,2 0.362	38,0 1.496	11,2 0.441	3,0 0.118
SD26-1.32-9.20-3R1	02730724	1,32 0.052	9,2 0.362	38,0 1.496	11,2 0.441	3,0 0.118
SD26-1.33-9.20-3R1	02730725	1,33 0.052	9,2 0.362	38,0 1.496	11,2 0.441	3,0 0.118
SD26-1.34-9.20-3R1	02730726	1,34 0.053	9,2 0.362	38,0 1.496	11,2 0.441	3,0 0.118
SD26-1.35-9.20-3R1	02730727	1,35 0.053	9,2 0.362	38,0 1.496	11,2 0.441	3,0 0.118
SD26-1.36-9.20-3R1	02730728	1,36 0.054	9,2 0.362	38,0 1.496	11,2 0.441	3,0 0.118
SD26-1.37-9.20-3R1	02730729	1,37 0.054	9,2 0.362	38,0 1.496	11,2 0.441	3,0 0.118
SD26-1.38-9.20-3R1	02730730	1,38 0.054	9,2 0.362	38,0 1.496	11,2 0.441	3,0 0.118
SD26-1.39-9.20-3R1	02730731	1,39 0.055	9,2 0.362	38,0 1.496	11,2 0.441	3,0 0.118
SD26-1.40-9.20-3R1	02731637	1,4 0.055	9,2 0.362	38,0 1.496	11,2 0.441	3,0 0.118
SD26-1.41-9.20-3R1	02730732	1,41 0.056	9,2 0.362	38,0 1.496	11,2 0.441	3,0 0.118
SD26-1.42-9.20-3R1	02730733	1,42 0.056	9,2 0.362	38,0 1.496	11,2 0.441	3,0 0.118
SD26-1.43-9.20-3R1	02730734	1,43 0.056	9,2 0.362	38,0 1.496	11,2 0.441	3,0 0.118
SD26-1.44-9.20-3R1	02730735	1,44 0.057	9,2 0.362	38,0 1.496	11,2 0.441	3,0 0.118
SD26-1.45-9.20-3R1	02730736	1,45 0.057	9,2 0.362	38,0 1.496	11,2 0.441	3,0 0.118
SD26-1.46-9.20-3R1	02730737	1,46 0.057	9,2 0.362	38,0 1.496	11,2 0.441	3,0 0.118
SD26-1.47-9.20-3R1	02730738	1,47 0.058	9,2 0.362	38,0 1.496	11,2 0.441	3,0 0.118
SD26-1.48-9.20-3R1	02730739	1,48 0.058	9,2 0.362	38,0 1.496	11,2 0.441	3,0 0.118
SD26-1.49-9.20-3R1	02730740	1,49 0.059	9,2 0.362	38,0 1.496	11,2 0.441	3,0 0.118
SD26-1.50-9.20-3R1	02731638	1,5 0.059	9,2 0.362	38,0 1.496	11,2 0.441	3,0 0.118
SD26-1.51-11.20-3R1	02730741	1,51 0.059	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
SD26-1.52-11.20-3R1	02730742	1,52 0.060	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
SD26-1.53-11.20-3R1	02730743	1,53 0.060	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
SD26-1.54-11.20-3R1	02730744	1,54 0.061	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118

Giriş	Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	DMM
			mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
	SD26-1.55-11.20-3R1	02730745	1,55 0.061	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
	SD26-1.56-11.20-3R1	02730746	1,56 0.061	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
	SD26-1.57-11.20-3R1	02730747	1,57 0.062	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
	SD26-1.58-11.20-3R1	02730748	1,58 0.062	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
	SD26-1.59-11.20-3R1	02730749	1,59 0.063	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
	SD26-1.60-11.20-3R1	02731639	1,6 0.063	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
	SD26-1.61-11.20-3R1	02730750	1,61 0.063	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
	SD26-1.62-11.20-3R1	02730751	1,62 0.064	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
	SD26-1.63-11.20-3R1	02730752	1,63 0.064	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
	SD26-1.64-11.20-3R1	02730753	1,64 0.065	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
	SD26-1.65-11.20-3R1	02730754	1,65 0.065	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
	SD26-1.66-11.20-3R1	02730755	1,66 0.065	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
	SD26-1.67-11.20-3R1	02730756	1,67 0.066	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
	SD26-1.68-11.20-3R1	02730757	1,68 0.066	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
	SD26-1.69-11.20-3R1	02730758	1,69 0.067	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
	SD26-1.70-11.20-3R1	02731640	1,7 0.067	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
	SD26-1.71-11.20-3R1	02730759	1,71 0.067	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
	SD26-1.72-11.20-3R1	02730760	1,72 0.068	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
	SD26-1.73-11.20-3R1	02730761	1,73 0.068	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
	SD26-1.74-11.20-3R1	02730762	1,74 0.069	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
	SD26-1.75-11.20-3R1	02730763	1,75 0.069	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
	SD26-1.76-11.20-3R1	02730764	1,76 0.069	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
	SD26-1.77-11.20-3R1	02730765	1,77 0.070	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
	SD26-1.78-11.20-3R1	02730766	1,78 0.070	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
	SD26-1.79-11.20-3R1	02730767	1,79 0.070	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
	SD26-1.80-11.20-3R1	02731641	1,8 0.071	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
	SD26-1.81-11.20-3R1	02730768	1,81 0.071	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
	SD26-1.82-11.20-3R1	02730769	1,82 0.072	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
	SD26-1.83-11.20-3R1	02730770	1,83 0.072	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
	SD26-1.84-11.20-3R1	02730771	1,84 0.072	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
	SD26-1.85-11.20-3R1	02730772	1,85 0.073	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118

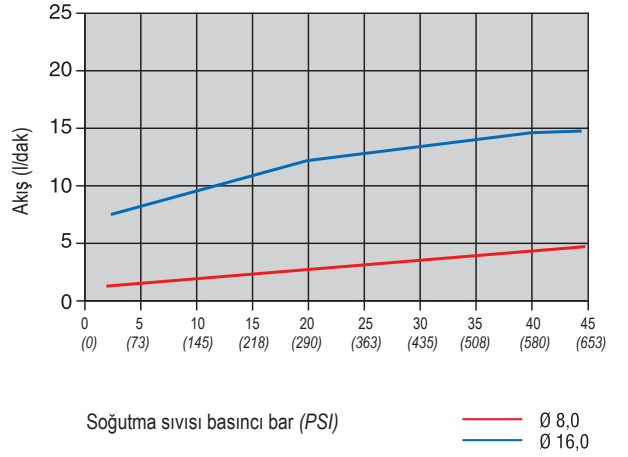
Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	DMM
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
SD26-1.86-11.20-3R1	02730773	1,86 0.073	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
SD26-1.87-11.20-3R1	02730774	1,87 0.074	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
SD26-1.88-11.20-3R1	02730775	1,88 0.074	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
SD26-1.89-11.20-3R1	02730776	1,89 0.074	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
SD26-1.90-11.20-3R1	02731642	1,9 0.075	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
SD26-1.91-11.20-3R1	02730777	1,91 0.075	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
SD26-1.92-11.20-3R1	02730778	1,92 0.076	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
SD26-1.93-11.20-3R1	02730779	1,93 0.076	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
SD26-1.94-11.20-3R1	02730780	1,94 0.076	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
SD26-1.95-11.20-3R1	02730781	1,95 0.077	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
SD26-1.96-11.20-3R1	02730782	1,96 0.077	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
SD26-1.97-11.20-3R1	02730783	1,97 0.078	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
SD26-1.98-11.20-3R1	02730784	1,98 0.078	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
SD26-1.99-11.20-3R1	02730785	1,99 0.078	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118
SD26-2.00-11.20-3R1	02731643	2,0 0.079	11,2 0.441	38,0 1.496	13,4 0.528	3,0 0.118

İşleme verileri

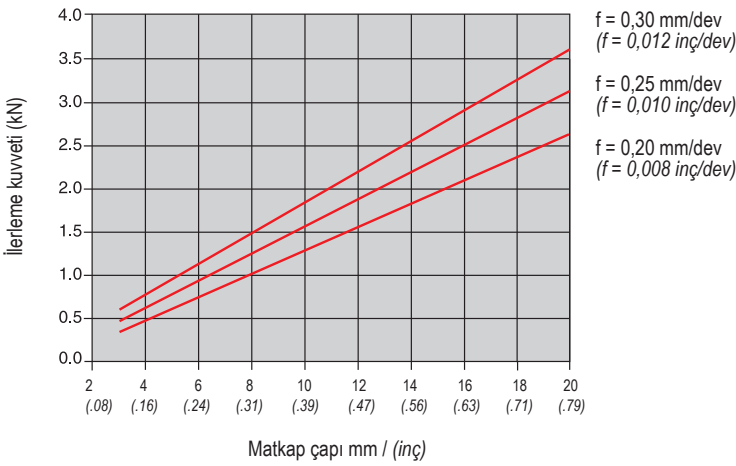
Net güç tüketimi



Farklı basınçlarda soğutma sıvısı akışı



İlerleme kuvveti



Yöntem:
İyi derecede talaş oluşması sağlayınca kadar ilerlemeyi aşağıya veya yukarıya doğru ayarlayın.
Artırılmış ilerleme/devir daha kısa talaş çıkarır.

Net gücü ve ilerleme kuvvetini gösteren değerler temel değerler olup takım aşınması, malzeme ve kesme verisi tipine göre değişebilir.

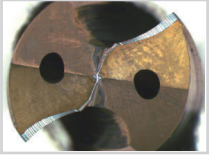
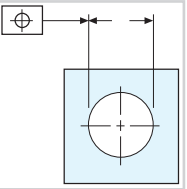
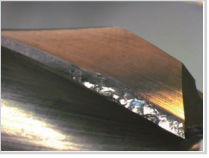
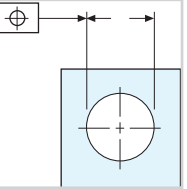

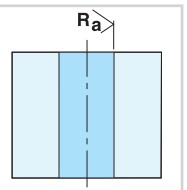

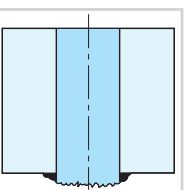
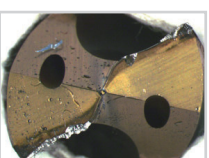
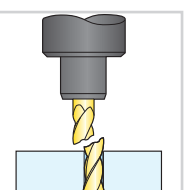
İşleme verileri

SD1103, SD1103A, SD1105A, SD203A, SD205A, SD206, SD206A, SD207A, SD216A, SD230A IT8-9/R _a 1-3*					
Makrap Ø DC (mm)	IT9 tolerans (µm)	IT10 tolerans (µm)	Makrap Ø DC (inç)	IT9 tolerans (inç)	IT10 tolerans (inç)
< 3	14	25	-0.118	0.0006	0.0010
3-6	18	30	> 0.118-0.236	0.0007	0.0012
6-10	22	36	> 0.236-0.394	0.0009	0.0014
10-18	27	43	> 0.394-0.709	0.0011	0.0017
> 18	33	52	> 0.709	0.0013	0.0020

*Düşük karbonlu çelikleri ya da paslanmaz çelikleri delerken yüzey kalitesinde kötüleşme olabilir.

Sorun giderme - Başlangıç kontrolleri

- Bağlamanın sağlamlığı
- Fener milinin durumu
- Tutucunun durumu
- Takımın bağlanması:
 - Toplam salgı 0,04 içinde olmalı
 - Ön delme yapılıyorsa 0,04 içinde olmalı
- Talaş boşaltma:
 - Kesme verisi
- Soğutma sıvısı:
 - Basınç
 - Akış
 - Konsantrasyon

<p>Hızlı yanak aşınması</p> <ul style="list-style-type: none"> Kesme hızını azaltın Soğutma sıvısı konsantrasyonunu artırın 		<p>Yetersiz çap toleransı</p> <ul style="list-style-type: none"> İlerlemeyi/devri artırın Raybalama yapın, bkz. sayfa 328 Baralama yapın, bkz. sayfa 492-493 	
<p>Aşınma/Çevre yüzey</p> <ul style="list-style-type: none"> Kesme hızını azaltın Soğutma sıvısı konsantrasyonunu artırın 		<p>Yetersiz delik konumlandırması</p> <ul style="list-style-type: none"> Girişte ilerlemeyi/devri düşürün İlerlemeyi/devri düşürün Baralama yapın, bkz. sayfa 492-493 Sert, pürüzlü veya açılı yüzeyleri delme yaparken girişte ve çıkışta ilerlemeyi %30-%50 azaltın 140° nokta açısına sahip punta matkabı ile merkezleyin. 	
<p>Merkezde ufanma</p> <ul style="list-style-type: none"> Girişteki ilerlemeyi/devri düşürün İlerlemeyi/devri düşürün Baralama yapın, bkz. sayfa 492-493 		<p>Yetersiz yüzey kalitesi</p> <ul style="list-style-type: none"> İlerlemeyi/devri düşürün Kesme hızını artırın Raybalama yapın, bkz. sayfa 328 	
<p>Ufanma/Dış köşe, kesme kenarı</p> <ul style="list-style-type: none"> Giriş/çıkış sırasında ilerlemeyi düşürün Kesme hızını azaltın Soğutma sıvısı konsantrasyonunu artırın Matkabı tekrar bileyin 		<p>Çıkış kenarında çapak</p> <ul style="list-style-type: none"> Çıkışta ilerlemeyi/devri düşürün Kenar hazırlama (BN) genişliğini azaltın 	
<p>Kenarda talaş birikmesi</p> <ul style="list-style-type: none"> Çevreye daha yakınsa kesme hızını artırın Merkeze daha yakınsa ilerleme/devri artırın Matkap aşınmışsa tekrar bileyin 		<p>Temas esnasında /delik dibinde kırılma</p> <ul style="list-style-type: none"> Giriş/çıkış sırasında ilerlemeyi/devri düşürün Talaş boşaltmayı iyileştirmek için kesme verilerini ayarlayın. 	

SD1103, SD1103A, SD1105A, SD1108A, SD1112A için tekrar bileme talimatları

Özellikler:

Tavsiye edilen elmas taşın özellikleri:

Nokta boşluğu: Elmas taşının şekli 12A2 Tanecik boyutu D54 (resim 1).

Yoğunluğu: Elmas taşının şekli 1A1 ya da 1V1 Tanecik boyutu D64-D46 (resim 2-3).

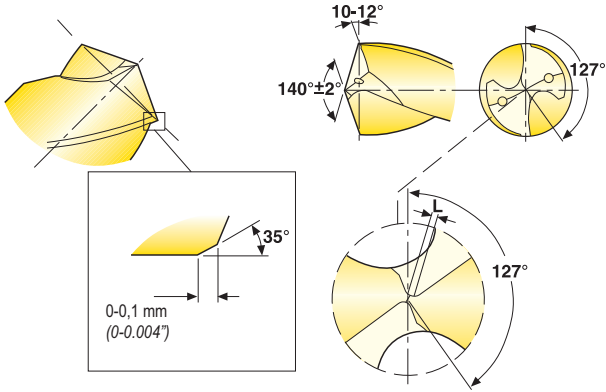
Köşe pahı: Elmas taşının şekli 1A1 ya da 12A2 (resim 1).

Kenar işlemi: K-land taşlama ya da fırçalama (resim 4).

Önemli:

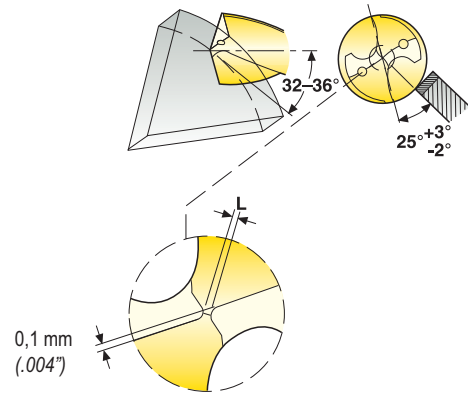
- Kesme kenarları aynı olmalı ve aynı kenar hazırlama ölçüsünde olmalıdır.
- Kenar hazırlama tüm kesme kenarı boyunca uygulanmalıdır.

1. Dört yüzey noktası



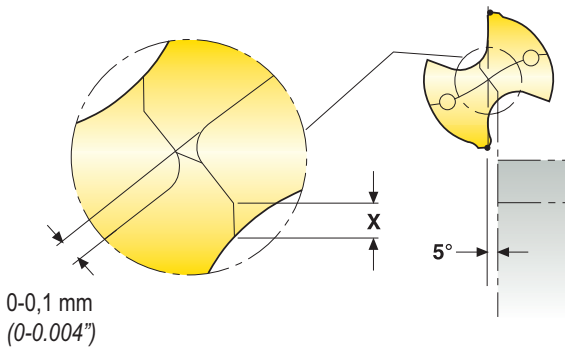
Kesme kenarları mesafesi (aksiyal salgı) 0,02 mm (0,008 inç) içinde olmalı

2. Merkezin bilenmesi



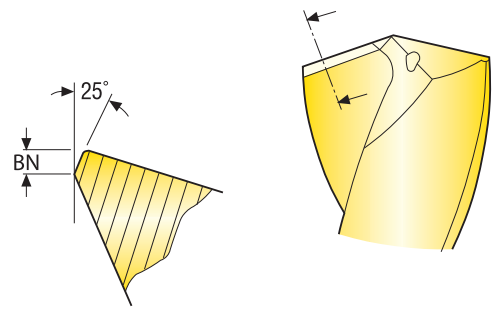
Maktap Ø DC mm	L mm	Maktap Ø DC inç	L inç
2-10	0,1-0,3	0.079-0.394	0.004-0.012
10-20	0,2-0,4	0.394-0.787	0.008-0.016

3. X düzlüğün bilenmesi



$X = 0,08 \times (0,003) \times \text{maktap çapı DC}$

4. Kenar hazırlama



İş parçası malzemesi	BN			
	Maktap Ø ≤ 10 mm	Maktap Ø > 10 mm	Maktap Ø ≤ 0.394 inç	Maktap Ø > 0.394 inç
Çelik	0,05	0,10	0.002	0.004
Paslanmaz çelik	0,05	0,05	0.002	0.002
Dökme demir	0,05	0,10	0.002	0.004

Tekrar bilemeden önce en geniş noktada ölçülen maksimum kenar aşınması için izin verilen değer 0,1-0,3 mm'dir (0,004-0,012 inç).

SD203A, SD205A ve SD207A -P geometrisi için tekrar bileme talimatları

Özellikler:

Tavsiye edilen elmas taşın özellikleri:

Konik boşluk: Elmas taşının şekli 12A2 Tanecik ölçüsü D54 (resim 1).

Yoğunluğu: Elmas taşının şekli 1A1 ya da 1V1 Tanecik boyutu D64-D46 (resim 2-3).

Köşe pahı: Elmas taşının şekli 1A1 ya da 12A2 (resim 1).

Kenar işlemi: K-land taşlama ya da fırçalama (resim 4).

Önemli:

- Kesme kenarları aynı olmalı ve aynı kenar hazırlama ölçüsünde olmalıdır.
- Kenar hazırlama tüm kesme kenarı boyunca uygulanmalıdır.

1. Konik kenar yüzeyi

Kesme kenarları mesafesi (eksenel salgı) 0,02 mm (0,008 inç) içinde olmalı

2. Merkezin bilenmesi

Maktap Ø DC mm	L mm	Maktap Ø DC inç	L inç
2-10	0,1-0,3	0.079-0.394	0.004-0.012
10-20	0,2-0,4	0.394-0.787	0.008-0.016

3. X düzlüğünün bilenmesi

$X = 0,08 \times (0,003) \times \text{maktap çapı DC}$

4. Kenar hazırlama

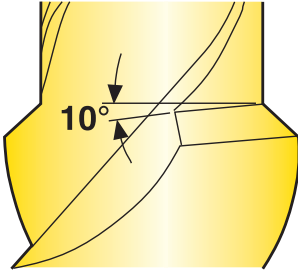
İş parçası malzemesi	BN			
	Maktap Ø ≤ 10 mm	Maktap Ø > 10 mm	Maktap Ø ≤ 0.394 inç	Maktap Ø > 0.394 inç
Çelik	0,05	0,10	0.002	0.004
Paslanmaz çelik	0,05	0,05	0.002	0.002
Dökme demir	0,05	0,10	0.002	0.004

Tekrar bilemeden önce en geniş noktada ölçülen maksimum kenar aşınması için izin verilen değer 0,1-0,3 mm'dir (0,004-0,012 inç).

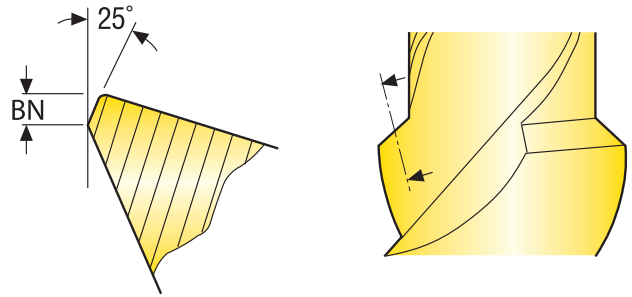
Havşalı matkaplar için tekrar bileme talimatları

Tekrar bileme talimatları, pah dışında SD203, SD203A, SD205A ve SD207A ile aynıdır.

1. Pah boşluğu



2. Kenar hazırlama, pah kırma



İş parçası malzemesi	BN			
	Makrap $\varnothing \leq 10$ mm	Makrap $\varnothing > 10$ mm	Makrap $\varnothing \leq 0.394$ inç	Makrap $\varnothing > 0.394$ inç
Çelik	0,05	0,10	0.002	0.004
Paslanmaz çelik	0,05	0,05	0.002	0.002
Dökme demir	0,05	0,10	0.002	0.004

SD212A, SD216A, SD220A, SD225A, SD230A geometri için tekrar bileme talimatları

Özellikler:

Tavsiye edilen elmas taşın özellikleri:

Nokta boşluğu: Elmas taşının şekli 11V9 Tanecik boyutu D54 (resim 1).

Yoğunluğu: Elmas taşının şekli 1A1 ya da 1V1 Tanecik boyutu D64-D46 (resim 2-3).

Köşe pahı: Elmas taşının şekli 1A1 ya da 12A2 (resim 1).

Kenar işlemi: K-land taşlama ya da fırçalama (resim 4).

Önemli:

- Kesme kenarları aynı olmalı ve aynı kenar hazırlama ölçüsünde olmalıdır.
- Kenar hazırlama tüm kesme kenarı boyunca uygulanmalıdır.

1. Konik kenar yüzeyi

İkinci boşluk açısı 20° Birinci boşluk açısı 10°

Kesme kenarları mesafesi (eksenel salgı) 0,02 mm (0,008 inç) içinde olmalı

2. Merkezin bilenmesi

Maktap Ø DC mm	L mm	Maktap Ø DC inç	L inç
2-10	0,2	0.079-0.394	0.008
10-20	0,4	0.394-0.787	0.016

3. X düzlüğünün bilenmesi

0-0,1 mm (0-0.004")

$X = 0,08 \times (0,003) \times \text{maktap çapı DC}$

4. Kenar hazırlama

İş parçası malzemesi	BN			
	Maktap Ø ≤ 10 mm	Maktap Ø > 10 mm	Maktap Ø ≤ 0.394 inç	Maktap Ø > 0.394 inç
Çelik	0,05	0,10	0.002	0.004
Paslanmaz çelik	0,05	0,05	0.002	0.002
Dökme demir	0,05	0,10	0.002	0.004

Tekrar bilemeden önce en geniş noktada ölçülen maksimum kenar aşınması için izin verilen değer 0,1-0,3 mm'dir (0,004-0,012 inç).

SD265A için tekrar bileme talimatları

Özellikler:

Tavsiye edilen elmas taşın özellikleri:

Konik boşluk: Elmas taşının şekli 12A2 Tanecik ölçüsü D54 (resim 1).

Yoğunluğu: Elmas taşının şekli 1A1 ya da 1V1 Tanecik boyutu D64-D46 (resim 2-3).

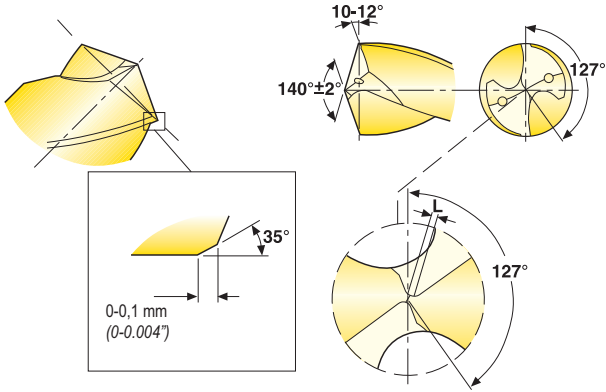
Köşe pahı: Elmas taşının şekli 1A1 ya da 12A2 (resim 1).

Kenar işlemi: K-land taşlama ya da fırçalama (resim 4).

Önemli:

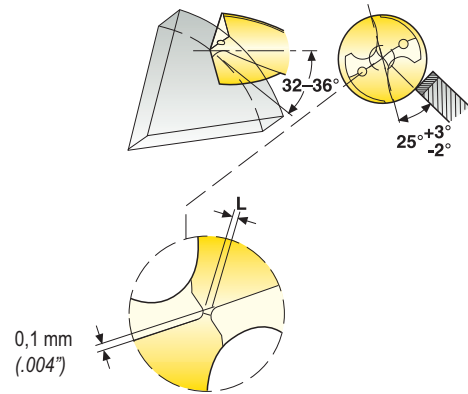
- Kesme kenarları aynı olmalı ve aynı kenar hazırlama ölçüsünde olmalıdır.
- Kenar hazırlama tüm kesme kenarı boyunca uygulanmalıdır.

1. Konik kenar yüzey



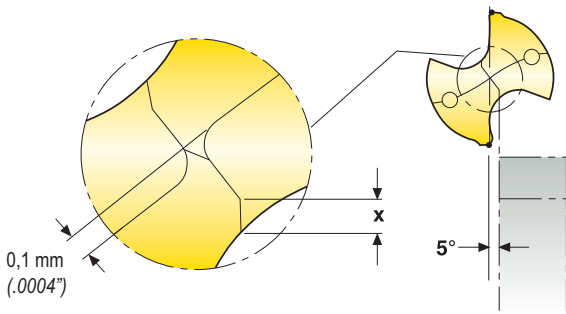
Kesme kenarları mesafesi (eksenel salgı) 0,02 mm (0,008 inç) içinde olmalı

2. Merkezin bilenmesi



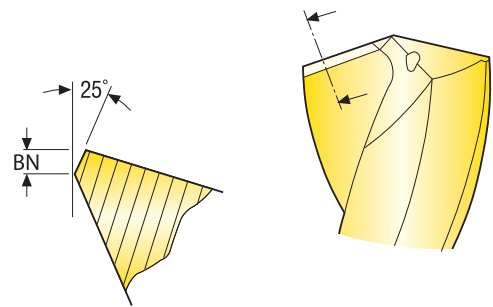
Maktap Ø DC mm	L mm	Maktap Ø DC inç	L inç
2-10	0,2	0.079-0.394	0.008
10-20	0,4	0.394-0.787	0.016

3. X düzlüğün bilenmesi



$X = 0,08 \times (0,003) \times \text{maktap çapı DC}$

4. Kenar hazırlama



İş parçası malzemesi	BN			
	Maktap Ø ≤ 10 mm	Maktap Ø > 10 mm	Maktap Ø ≤ 0.394 inç	Maktap Ø > 0.394 inç
Çelik	0,05	0,10	0.002	0.004
Paslanmaz çelik	0,05	0,05	0.002	0.002
Dökme demir	0,05	0,10	0.002	0.004

Tekrar bilemeden önce en geniş noktada ölçülen maksimum kenar aşınması için izin verilen değer 0,1-0,3 mm'dir (0,004-0,012 inç).

- MS geometri için tekrar bileme talimatları

Özellikler:

Tavsiye edilen elmas taşın özellikleri:

Konik boşluk: Elmas taşının şekli 12A2 Tanecik ölçüsü D54 (resim 1).

Yoğunluğu: Elmas taşının şekli 1A1 ya da 1V1 Tanecik boyutu D64-D46 (resim 2-3).

Köşe pahı: Elmas taşının şekli 1A1 ya da 12A2 (resim 1).

Kenar işlemi: K-land taşlama ya da fırçalama (resim 4).

Önemli:

- Kesme kenarları aynı olmalı ve aynı kenar hazırlama ölçüsünde olmalıdır.
- Kenar hazırlama tüm kesme kenarı boyunca uygulanmalıdır.

1. Dört yüzey

Kesme kenarları mesafesi (eksenel salgı) 0,02 mm (0,008 inç) içinde olmalı

2. R yarıçapının bilenmesi

3. Merkezin bilenmesi

4. Kenar hazırlama

Maktap Ø DC mm	BN mm	Maktap Ø DC inç	BN inç
2-3	0,2	0.079-0.118	0.00787
3-6	0,025	0.118-0.236	0.00098
6-10	0,04	0.236-0.394	0.00157
10-20	0,055	0.394-0.787	0.00216
20-	0,07	0.787-	0.00275

Tekrar bilemeden önce en geniş noktada ölçülen maksimum kenar aşınması için izin verilen değer 0,1-0,3 mm'dir (0,004-0,012 inç).

-M ve -T geometri için tekrar bileme talimatları

Özellikler:

Tavsiye edilen elmas taşın özellikleri:

Konik boşluk: Elmas taşının şekli 12A2 Tanecik ölçüsü D54 (resim 1).

Yoğunluğu: Elmas taşının şekli 1A1 ya da 1V1 Tanecik boyutu D64-D46 (resim 2- 3).

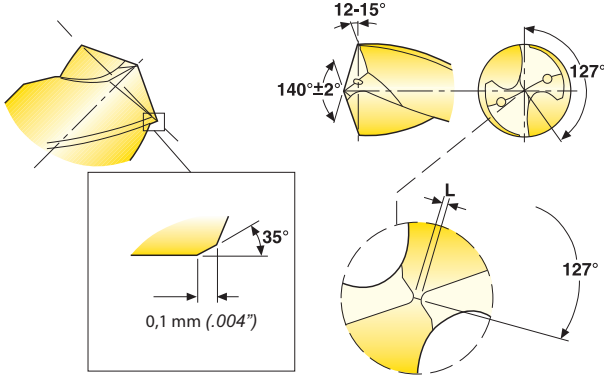
Köşe pahtı: Elmas taşının şekli 1A1 ya da 12A2 (resim 1).

Kenar işlemi: K-land taşlama ya da fırçalama (resim 4).

Önemli:

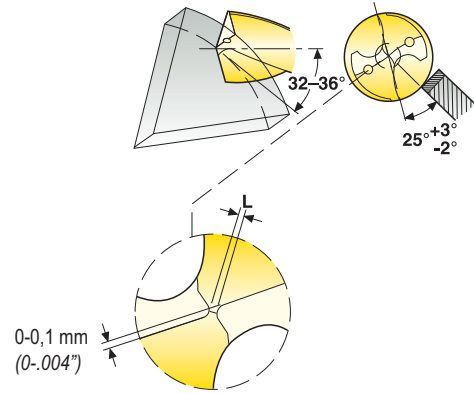
- Kesme kenarları aynı olmalı ve aynı kenar hazırlama ölçüsünde olmalıdır.
- Kenar hazırlama tüm kesme kenarı boyunca uygulanmalıdır.

1. Konik kenar yüzey



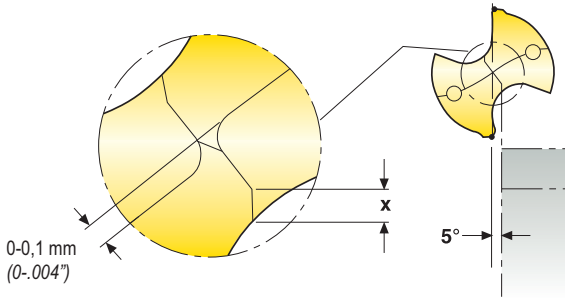
Kesme kenarları mesafesi (eksenel salgı) 0,01 mm (0,0004 inç) içinde olmalı

2. Merkezin bilenmesi

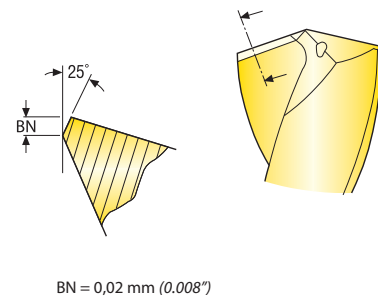


Maktap Ø DC mm	L mm	Maktap Ø DC inç	L inç
3-6	0,1-0,2	0.118-0.236	0.004-0.008
6-10	0,13-0,27	0.236-0.394	0.005-0.011
10-20	0,2-0,4	0.394-0.787	0.008-0.016

3. X düzlüğün bilenmesi



4. Kenar hazırlama



Tekrar bilemeden önce en geniş noktada ölçülen maksimum kenar aşınması için izin verilen değer 0,1-0,3 mm'dir (0,004-0,012 inç).

-N geometri için tekrar bileme talimatları

Genel:

$X = 0,08 \times \text{matkap çapı DC}$

Özellikler:

Tavsiye edilen elmas taşın özellikleri:

Konik boşluk: Elmas taşının şekli 12A2 Tanecik boyutu D54 (resim 1).

Yoğunluğu: Elmas taşının şekli 1A1 ya da 1V1 Tanecik boyutu D64-D46 (resim 2-3).

Köşe pahı: Elmas taşının şekli 1A1 ya da 12A2 (resim 1).

Kenar işlemi: K-land taşlama ya da fırçalama (resim 4).

Önemli:

- Kesme kenarları aynı olmalı ve aynı kenar hazırlama ölçüsünde olmalıdır.
- Kenar hazırlama tüm kesme kenarı boyunca uygulanmalıdır.

1. Konik kenar yüzey

Kesme kenarları mesafesi (eksenel salgı) 0,01 mm (0,0004 inç) içinde olmalı

2. Merkezin bilenmesi

Kesme kenarı boyu L

Maklap Ø DC mm	L mm	Maklap Ø DC inç	L inç
3-6	0,1-0,2	0.118-0.236	0.004-0.008
6-10	0,13-0,27	0.236-0.394	0.005-0.011
10-20	0,2-0,4	0.394-0.787	0.008-0.016

3. X düzlüğün bilenmesi

4. Kenar hazırlama

BN = 0,01-0,02 mm (0.004-0.008")

Tekrar bilemeden önce en geniş noktada ölçülen maksimum kenar aşınması için izin verilen değer 0,1-0,3 mm'dir (0,004-0,012 inç).

SD1103 – Ø 3-20 mm / 0.118-0.787 inç

SMG	f										v _c
	Ø3,00 Ø 0.118	Ø4,00 Ø 0.157	Ø6,00 Ø 0.236	Ø8,00 Ø 0.315	Ø10,00 Ø 0.394	Ø12,00 Ø 0.472	Ø14,00 Ø 0.551	Ø16,00 Ø 0.630	Ø18,00 Ø 0.709	Ø20,00 Ø 0.787	
P1	0,12	0,14	0,18	0,22	0,25	0,28	0,30	0,32	0,34	0,36	105
	0.0048	0.0055	0.0070	0.0085	0.010	0.011	0.012	0.013	0.013	0.014	345
P2	0,12	0,14	0,18	0,22	0,26	0,28	0,32	0,34	0,36	0,36	105
	0.0048	0.0055	0.0070	0.0085	0.010	0.011	0.013	0.013	0.014	0.014	345
P3	0,11	0,13	0,17	0,20	0,24	0,28	0,30	0,32	0,34	0,34	90
	0.0044	0.0050	0.0065	0.0080	0.0095	0.011	0.012	0.013	0.013	0.013	295
P4	0,11	0,13	0,17	0,20	0,24	0,26	0,28	0,30	0,32	0,34	80
	0.0044	0.0050	0.0065	0.0080	0.0095	0.010	0.011	0.012	0.013	0.013	260
P5	0,11	0,13	0,16	0,20	0,24	0,26	0,28	0,30	0,32	0,34	75
	0.0044	0.0050	0.0065	0.0080	0.0095	0.010	0.011	0.012	0.013	0.013	245
P6	0,11	0,12	0,16	0,20	0,24	0,26	0,28	0,30	0,32	0,34	85
	0.0044	0.0048	0.0065	0.0080	0.0095	0.010	0.011	0.012	0.013	0.013	280
P7	0,11	0,12	0,16	0,20	0,24	0,26	0,28	0,30	0,32	0,34	80
	0.0044	0.0048	0.0065	0.0080	0.0095	0.010	0.011	0.012	0.013	0.013	260
P8	0,11	0,13	0,17	0,20	0,24	0,28	0,30	0,32	0,34	0,34	75
	0.0044	0.0050	0.0065	0.0080	0.0095	0.011	0.012	0.013	0.013	0.013	245
P11	0,11	0,12	0,16	0,20	0,24	0,26	0,28	0,30	0,32	0,34	75
	0.0044	0.0048	0.0065	0.0080	0.0095	0.010	0.011	0.012	0.013	0.013	245
P12	0,075	0,085	0,11	0,14	0,16	0,18	0,19	0,20	0,22	0,22	46
	0.0030	0.0034	0.0044	0.0055	0.0065	0.0070	0.0075	0.0080	0.0085	0.0085	150
M1	0,080	0,095	0,13	0,17	0,20	0,22	0,24	0,26	0,28	0,30	55
	0.0032	0.0038	0.0050	0.0065	0.0080	0.0085	0.0095	0.010	0.011	0.012	180
M2	0,070	0,085	0,12	0,15	0,18	0,20	0,22	0,24	0,25	0,26	45
	0.0028	0.0034	0.0048	0.0060	0.0070	0.0080	0.0085	0.0095	0.010	0.010	150
K1	0,12	0,14	0,18	0,22	0,26	0,28	0,30	0,34	0,34	0,36	70
	0.0048	0.0055	0.0070	0.0085	0.010	0.011	0.012	0.013	0.013	0.014	230
K2	0,11	0,13	0,16	0,20	0,24	0,26	0,28	0,30	0,32	0,34	60
	0.0044	0.0050	0.0065	0.0080	0.0095	0.010	0.011	0.012	0.013	0.013	195
K3	0,11	0,13	0,16	0,20	0,24	0,26	0,28	0,30	0,32	0,34	50
	0.0044	0.0050	0.0065	0.0080	0.0095	0.010	0.011	0.012	0.013	0.013	165
K4	0,11	0,13	0,16	0,20	0,24	0,26	0,28	0,30	0,32	0,34	49
	0.0044	0.0050	0.0065	0.0080	0.0095	0.010	0.011	0.012	0.013	0.013	160
K5	0,10	0,11	0,15	0,18	0,20	0,24	0,25	0,28	0,28	0,30	29
	0.0040	0.0044	0.0060	0.0070	0.0080	0.0095	0.010	0.011	0.011	0.012	95
H3	0,048	0,055	0,075	0,090	0,10	0,12	0,13	0,14	0,14	0,15	24
	0.0019	0.0022	0.0030	0.0036	0.0040	0.0048	0.0050	0.0055	0.0055	0.0060	80
H5	0,075	0,085	0,11	0,14	0,16	0,18	0,19	0,20	0,22	0,22	45
	0.0030	0.0034	0.0044	0.0055	0.0065	0.0070	0.0075	0.0080	0.0085	0.0085	150
H7	0,048	0,055	0,075	0,090	0,10	0,12	0,13	0,14	0,14	0,15	24
	0.0019	0.0022	0.0030	0.0036	0.0040	0.0048	0.0050	0.0055	0.0055	0.0060	80
H8	0,055	0,065	0,085	0,10	0,12	0,14	0,15	0,16	0,17	0,17	45
	0.0022	0.0026	0.0034	0.0040	0.0048	0.0055	0.0060	0.0065	0.0065	0.0065	150
H11	0,075	0,085	0,11	0,14	0,16	0,18	0,19	0,20	0,22	0,22	60
	0.0030	0.0034	0.0044	0.0055	0.0065	0.0070	0.0075	0.0080	0.0085	0.0085	195
H12	0,055	0,065	0,085	0,10	0,12	0,14	0,15	0,16	0,17	0,17	27
	0.0022	0.0026	0.0034	0.0040	0.0048	0.0055	0.0060	0.0065	0.0065	0.0065	90

SMG = Seco malzeme grubu f = mm/rev (IPR) v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

SD1103A – Ø 3-20 mm / 0.118-0.787 inç

SMG	f										v _c
	Ø3,00 Ø 0.118	Ø4,00 Ø 0.157	Ø6,00 Ø 0.236	Ø8,00 Ø 0.315	Ø10,00 Ø 0.394	Ø12,00 Ø 0.472	Ø14,00 Ø 0.551	Ø16,00 Ø 0.630	Ø18,00 Ø 0.709	Ø20,00 Ø 0.787	
P1	0,12	0,14	0,18	0,22	0,25	0,28	0,30	0,32	0,34	0,36	150
	0.0048	0.0055	0.0070	0.0085	0.010	0.011	0.012	0.013	0.013	0.014	490
P2	0,12	0,14	0,18	0,22	0,26	0,28	0,32	0,34	0,36	0,36	145
	0.0048	0.0055	0.0070	0.0085	0.010	0.011	0.013	0.013	0.014	0.014	475
P3	0,11	0,13	0,17	0,20	0,24	0,28	0,30	0,32	0,34	0,34	125
	0.0044	0.0050	0.0065	0.0080	0.0095	0.011	0.012	0.013	0.013	0.013	410
P4	0,11	0,13	0,17	0,20	0,24	0,26	0,28	0,30	0,32	0,34	110
	0.0044	0.0050	0.0065	0.0080	0.0095	0.010	0.011	0.012	0.013	0.013	360
P5	0,11	0,13	0,16	0,20	0,24	0,26	0,28	0,30	0,32	0,34	105
	0.0044	0.0050	0.0065	0.0080	0.0095	0.010	0.011	0.012	0.013	0.013	345
P6	0,11	0,12	0,16	0,20	0,24	0,26	0,28	0,30	0,32	0,34	120
	0.0044	0.0048	0.0065	0.0080	0.0095	0.010	0.011	0.012	0.013	0.013	395
P7	0,11	0,12	0,16	0,20	0,24	0,26	0,28	0,30	0,32	0,34	110
	0.0044	0.0048	0.0065	0.0080	0.0095	0.010	0.011	0.012	0.013	0.013	360
P8	0,11	0,13	0,17	0,20	0,24	0,28	0,30	0,32	0,34	0,34	105
	0.0044	0.0050	0.0065	0.0080	0.0095	0.011	0.012	0.013	0.013	0.013	345
P11	0,11	0,12	0,16	0,20	0,24	0,26	0,28	0,30	0,32	0,34	75
	0.0044	0.0048	0.0065	0.0080	0.0095	0.010	0.011	0.012	0.013	0.013	245
P12	0,075	0,085	0,11	0,14	0,16	0,18	0,19	0,20	0,22	0,22	50
	0.0030	0.0034	0.0044	0.0055	0.0065	0.0070	0.0075	0.0080	0.0085	0.0085	165
M1	0,080	0,095	0,13	0,17	0,20	0,22	0,24	0,26	0,28	0,30	80
	0.0032	0.0038	0.0050	0.0065	0.0080	0.0085	0.0095	0.010	0.011	0.012	260
M2	0,070	0,085	0,12	0,15	0,18	0,20	0,22	0,24	0,25	0,26	65
	0.0028	0.0034	0.0048	0.0060	0.0070	0.0080	0.0085	0.0095	0.010	0.010	215
M3	0,055	0,070	0,095	0,12	0,14	0,16	0,18	0,19	0,20	0,22	48
	0.0022	0.0028	0.0038	0.0048	0.0055	0.0065	0.0070	0.0075	0.0080	0.0085	155
M4	0,050	0,060	0,085	0,11	0,12	0,14	0,15	0,17	0,18	0,19	36
	0.0020	0.0024	0.0034	0.0044	0.0048	0.0055	0.0060	0.0065	0.0070	0.0075	120
M5	0,050	0,060	0,085	0,11	0,12	0,14	0,15	0,17	0,18	0,19	30
	0.0020	0.0024	0.0034	0.0044	0.0048	0.0055	0.0060	0.0065	0.0070	0.0075	100
K1	0,12	0,14	0,18	0,22	0,26	0,28	0,30	0,34	0,34	0,36	95
	0.0048	0.0055	0.0070	0.0085	0.010	0.011	0.012	0.013	0.013	0.014	310
K2	0,11	0,13	0,16	0,20	0,24	0,26	0,28	0,30	0,32	0,34	80
	0.0044	0.0050	0.0065	0.0080	0.0095	0.010	0.011	0.012	0.013	0.013	260
K3	0,11	0,13	0,16	0,20	0,24	0,26	0,28	0,30	0,32	0,34	70
	0.0044	0.0050	0.0065	0.0080	0.0095	0.010	0.011	0.012	0.013	0.013	230
K4	0,11	0,13	0,16	0,20	0,24	0,26	0,28	0,30	0,32	0,34	65
	0.0044	0.0050	0.0065	0.0080	0.0095	0.010	0.011	0.012	0.013	0.013	215
K5	0,10	0,11	0,15	0,18	0,20	0,24	0,25	0,28	0,28	0,30	39
	0.0040	0.0044	0.0060	0.0070	0.0080	0.0095	0.010	0.011	0.011	0.012	130
N1	0,15	0,17	0,22	0,25	0,28	0,32	0,34	0,36	0,38	0,40	260
	0.0060	0.0065	0.0085	0.010	0.011	0.013	0.013	0.014	0.015	0.016	850
N2	0,15	0,17	0,22	0,25	0,28	0,32	0,34	0,36	0,38	0,40	170
	0.0060	0.0065	0.0085	0.010	0.011	0.013	0.013	0.014	0.015	0.016	560
N3	0,15	0,17	0,22	0,25	0,28	0,32	0,34	0,36	0,38	0,40	110
	0.0060	0.0065	0.0085	0.010	0.011	0.013	0.013	0.014	0.015	0.016	360
N11	0,15	0,17	0,22	0,25	0,28	0,32	0,34	0,36	0,38	0,40	210
	0.0060	0.0065	0.0085	0.010	0.011	0.013	0.013	0.014	0.015	0.016	690
H3	0,048	0,055	0,075	0,090	0,10	0,12	0,13	0,14	0,14	0,15	34
	0.0019	0.0022	0.0030	0.0036	0.0040	0.0048	0.0050	0.0055	0.0055	0.0060	110
H5	0,075	0,085	0,11	0,14	0,16	0,18	0,19	0,20	0,22	0,22	65
	0.0030	0.0034	0.0044	0.0055	0.0065	0.0070	0.0075	0.0080	0.0085	0.0085	215
H7	0,048	0,055	0,075	0,090	0,10	0,12	0,13	0,14	0,14	0,15	34
	0.0019	0.0022	0.0030	0.0036	0.0040	0.0048	0.0050	0.0055	0.0055	0.0060	110
H8	0,055	0,065	0,085	0,10	0,12	0,14	0,15	0,16	0,17	0,17	65
	0.0022	0.0026	0.0034	0.0040	0.0048	0.0055	0.0060	0.0065	0.0065	0.0065	215
H11	0,075	0,085	0,11	0,14	0,16	0,18	0,19	0,20	0,22	0,22	80
	0.0030	0.0034	0.0044	0.0055	0.0065	0.0070	0.0075	0.0080	0.0085	0.0085	260
H12	0,055	0,065	0,085	0,10	0,12	0,14	0,15	0,16	0,17	0,17	38
	0.0022	0.0026	0.0034	0.0040	0.0048	0.0055	0.0060	0.0065	0.0065	0.0065	125

SMG = Seco malzeme grubu f = mm/rev (IPR) v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

Giris

Delme

Raybalama

Baralama

Ek

SD1105A – Ø 3-20 mm / 0.118-0.787 inç

SMG	f										v _c
	Ø3,00 Ø 0.118	Ø4,00 Ø 0.157	Ø6,00 Ø 0.236	Ø8,00 Ø 0.315	Ø10,00 Ø 0.394	Ø12,00 Ø 0.472	Ø14,00 Ø 0.551	Ø16,00 Ø 0.630	Ø18,00 Ø 0.709	Ø20,00 Ø 0.787	
P1	0,12	0,14	0,18	0,22	0,25	0,28	0,30	0,32	0,34	0,36	135
	0.0048	0.0055	0.0070	0.0085	0.010	0.011	0.012	0.013	0.013	0.014	445
P2	0,12	0,14	0,18	0,22	0,26	0,28	0,32	0,34	0,36	0,36	135
	0.0048	0.0055	0.0070	0.0085	0.010	0.011	0.013	0.013	0.014	0.014	445
P3	0,11	0,13	0,17	0,20	0,24	0,28	0,30	0,32	0,34	0,34	115
	0.0044	0.0050	0.0065	0.0080	0.0095	0.011	0.012	0.013	0.013	0.013	375
P4	0,11	0,13	0,17	0,20	0,24	0,26	0,28	0,30	0,32	0,34	100
	0.0044	0.0050	0.0065	0.0080	0.0095	0.010	0.011	0.012	0.013	0.013	330
P5	0,11	0,13	0,16	0,20	0,24	0,26	0,28	0,30	0,32	0,34	95
	0.0044	0.0050	0.0065	0.0080	0.0095	0.010	0.011	0.012	0.013	0.013	310
P6	0,11	0,12	0,16	0,20	0,24	0,26	0,28	0,30	0,32	0,34	110
	0.0044	0.0048	0.0065	0.0080	0.0095	0.010	0.011	0.012	0.013	0.013	360
P7	0,11	0,12	0,16	0,20	0,24	0,26	0,28	0,30	0,32	0,34	100
	0.0044	0.0048	0.0065	0.0080	0.0095	0.010	0.011	0.012	0.013	0.013	330
P8	0,11	0,13	0,17	0,20	0,24	0,28	0,30	0,32	0,34	0,34	95
	0.0044	0.0050	0.0065	0.0080	0.0095	0.011	0.012	0.013	0.013	0.013	310
P11	0,11	0,12	0,16	0,20	0,24	0,26	0,28	0,30	0,32	0,34	65
	0.0044	0.0048	0.0065	0.0080	0.0095	0.010	0.011	0.012	0.013	0.013	215
P12	0,075	0,085	0,11	0,14	0,16	0,18	0,19	0,20	0,22	0,22	48
	0.0030	0.0034	0.0044	0.0055	0.0065	0.0070	0.0075	0.0080	0.0085	0.0085	155
M1	0,080	0,095	0,13	0,17	0,20	0,22	0,24	0,26	0,28	0,30	70
	0.0032	0.0038	0.0050	0.0065	0.0080	0.0085	0.0095	0.010	0.011	0.012	230
M2	0,070	0,085	0,12	0,15	0,18	0,20	0,22	0,24	0,25	0,26	60
	0.0028	0.0034	0.0048	0.0060	0.0070	0.0080	0.0085	0.0095	0.010	0.010	195
M3	0,055	0,070	0,095	0,12	0,14	0,16	0,18	0,19	0,20	0,22	44
	0.0022	0.0028	0.0038	0.0048	0.0055	0.0065	0.0070	0.0075	0.0080	0.0085	145
M4	0,050	0,060	0,085	0,11	0,12	0,14	0,15	0,17	0,18	0,19	33
	0.0020	0.0024	0.0034	0.0044	0.0048	0.0055	0.0060	0.0065	0.0070	0.0075	110
M5	0,050	0,060	0,085	0,11	0,12	0,14	0,15	0,17	0,18	0,19	27
	0.0020	0.0024	0.0034	0.0044	0.0048	0.0055	0.0060	0.0065	0.0070	0.0075	90
K1	0,12	0,14	0,18	0,22	0,26	0,28	0,30	0,34	0,34	0,36	85
	0.0048	0.0055	0.0070	0.0085	0.010	0.011	0.012	0.013	0.013	0.014	280
K2	0,11	0,13	0,16	0,20	0,24	0,26	0,28	0,30	0,32	0,34	75
	0.0044	0.0050	0.0065	0.0080	0.0095	0.010	0.011	0.012	0.013	0.013	245
K3	0,11	0,13	0,16	0,20	0,24	0,26	0,28	0,30	0,32	0,34	65
	0.0044	0.0050	0.0065	0.0080	0.0095	0.010	0.011	0.012	0.013	0.013	215
K4	0,11	0,13	0,16	0,20	0,24	0,26	0,28	0,30	0,32	0,34	60
	0.0044	0.0050	0.0065	0.0080	0.0095	0.010	0.011	0.012	0.013	0.013	195
K5	0,10	0,11	0,15	0,18	0,20	0,24	0,25	0,28	0,28	0,30	36
	0.0040	0.0044	0.0060	0.0070	0.0080	0.0095	0.010	0.011	0.011	0.012	120
N1	0,15	0,17	0,22	0,25	0,28	0,32	0,34	0,36	0,38	0,40	240
	0.0060	0.0065	0.0085	0.010	0.011	0.013	0.013	0.014	0.015	0.016	790
N2	0,15	0,17	0,22	0,25	0,28	0,32	0,34	0,36	0,38	0,40	155
	0.0060	0.0065	0.0085	0.010	0.011	0.013	0.013	0.014	0.015	0.016	510
N3	0,15	0,17	0,22	0,25	0,28	0,32	0,34	0,36	0,38	0,40	100
	0.0060	0.0065	0.0085	0.010	0.011	0.013	0.013	0.014	0.015	0.016	330
N11	0,15	0,17	0,22	0,25	0,28	0,32	0,34	0,36	0,38	0,40	190
	0.0060	0.0065	0.0085	0.010	0.011	0.013	0.013	0.014	0.015	0.016	620
H3	0,048	0,055	0,075	0,090	0,10	0,12	0,13	0,14	0,14	0,15	31
	0.0019	0.0022	0.0030	0.0036	0.0040	0.0048	0.0050	0.0055	0.0055	0.0060	100
H5	0,075	0,085	0,11	0,14	0,16	0,18	0,19	0,20	0,22	0,22	60
	0.0030	0.0034	0.0044	0.0055	0.0065	0.0070	0.0075	0.0080	0.0085	0.0085	195
H7	0,048	0,055	0,075	0,090	0,10	0,12	0,13	0,14	0,14	0,15	31
	0.0019	0.0022	0.0030	0.0036	0.0040	0.0048	0.0050	0.0055	0.0055	0.0060	100
H8	0,055	0,065	0,085	0,10	0,12	0,14	0,15	0,16	0,17	0,17	60
	0.0022	0.0026	0.0034	0.0040	0.0048	0.0055	0.0060	0.0065	0.0065	0.0065	195
H11	0,075	0,085	0,11	0,14	0,16	0,18	0,19	0,20	0,22	0,22	75
	0.0030	0.0034	0.0044	0.0055	0.0065	0.0070	0.0075	0.0080	0.0085	0.0085	245
H12	0,055	0,065	0,085	0,10	0,12	0,14	0,15	0,16	0,17	0,17	35
	0.0022	0.0026	0.0034	0.0040	0.0048	0.0055	0.0060	0.0065	0.0065	0.0065	115

SMG = Seco malzeme grubu f = mm/rev (IPR) v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

SD1108A – Ø 3-20 mm / 0.118-0.787 inç

SMG	f										v _c
	Ø3,00 Ø 0.118	Ø4,00 Ø 0.157	Ø6,00 Ø 0.236	Ø8,00 Ø 0.315	Ø10,00 Ø 0.394	Ø12,00 Ø 0.472	Ø14,00 Ø 0.551	Ø16,00 Ø 0.630	Ø18,00 Ø 0.709	Ø20,00 Ø 0.787	
P1	0,12	0,14	0,18	0,22	0,25	0,28	0,30	0,32	0,34	0,36	120
	0.0048	0.0055	0.0070	0.0085	0.010	0.011	0.012	0.013	0.013	0.014	395
P2	0,12	0,14	0,18	0,22	0,26	0,28	0,32	0,34	0,36	0,36	115
	0.0048	0.0055	0.0070	0.0085	0.010	0.011	0.013	0.013	0.014	0.014	375
P3	0,11	0,13	0,17	0,20	0,24	0,28	0,30	0,32	0,34	0,34	100
	0.0044	0.0050	0.0065	0.0080	0.0095	0.011	0.012	0.013	0.013	0.013	330
P4	0,11	0,13	0,17	0,20	0,24	0,26	0,28	0,30	0,32	0,34	85
	0.0044	0.0050	0.0065	0.0080	0.0095	0.010	0.011	0.012	0.013	0.013	280
P5	0,11	0,13	0,16	0,20	0,24	0,26	0,28	0,30	0,32	0,34	85
	0.0044	0.0050	0.0065	0.0080	0.0095	0.010	0.011	0.012	0.013	0.013	280
P6	0,11	0,12	0,16	0,20	0,24	0,26	0,28	0,30	0,32	0,34	95
	0.0044	0.0048	0.0065	0.0080	0.0095	0.010	0.011	0.012	0.013	0.013	310
P7	0,11	0,12	0,16	0,20	0,24	0,26	0,28	0,30	0,32	0,34	90
	0.0044	0.0048	0.0065	0.0080	0.0095	0.010	0.011	0.012	0.013	0.013	295
P8	0,11	0,13	0,17	0,20	0,24	0,28	0,30	0,32	0,34	0,34	85
	0.0044	0.0050	0.0065	0.0080	0.0095	0.011	0.012	0.013	0.013	0.013	280
P11	0,11	0,12	0,16	0,20	0,24	0,26	0,28	0,30	0,32	0,34	60
	0.0044	0.0048	0.0065	0.0080	0.0095	0.010	0.011	0.012	0.013	0.013	195
P12	0,075	0,085	0,11	0,14	0,16	0,18	0,19	0,20	0,22	0,22	42
	0.0030	0.0034	0.0044	0.0055	0.0065	0.0070	0.0075	0.0080	0.0085	0.0085	140
M1	0,080	0,095	0,13	0,17	0,20	0,22	0,24	0,26	0,28	0,30	60
	0.0032	0.0038	0.0050	0.0065	0.0080	0.0085	0.0095	0.010	0.011	0.012	195
M2	0,070	0,085	0,12	0,15	0,18	0,20	0,22	0,24	0,25	0,26	50
	0.0028	0.0034	0.0048	0.0060	0.0070	0.0080	0.0085	0.0095	0.010	0.010	165
M3	0,055	0,070	0,095	0,12	0,14	0,16	0,18	0,19	0,20	0,22	38
	0.0022	0.0028	0.0038	0.0048	0.0055	0.0065	0.0070	0.0075	0.0080	0.0085	125
M4	0,050	0,060	0,085	0,11	0,12	0,14	0,15	0,17	0,18	0,19	29
	0.0020	0.0024	0.0034	0.0044	0.0048	0.0055	0.0060	0.0065	0.0070	0.0075	95
M5	0,050	0,060	0,085	0,11	0,12	0,14	0,15	0,17	0,18	0,19	24
	0.0020	0.0024	0.0034	0.0044	0.0048	0.0055	0.0060	0.0065	0.0070	0.0075	80
K1	0,12	0,14	0,18	0,22	0,26	0,28	0,30	0,34	0,34	0,36	75
	0.0048	0.0055	0.0070	0.0085	0.010	0.011	0.012	0.013	0.013	0.014	245
K2	0,11	0,13	0,16	0,20	0,24	0,26	0,28	0,30	0,32	0,34	65
	0.0044	0.0050	0.0065	0.0080	0.0095	0.010	0.011	0.012	0.013	0.013	215
K3	0,11	0,13	0,16	0,20	0,24	0,26	0,28	0,30	0,32	0,34	55
	0.0044	0.0050	0.0065	0.0080	0.0095	0.010	0.011	0.012	0.013	0.013	180
K4	0,11	0,13	0,16	0,20	0,24	0,26	0,28	0,30	0,32	0,34	50
	0.0044	0.0050	0.0065	0.0080	0.0095	0.010	0.011	0.012	0.013	0.013	165
K5	0,10	0,11	0,15	0,18	0,20	0,24	0,25	0,28	0,28	0,30	31
	0.0040	0.0044	0.0060	0.0070	0.0080	0.0095	0.010	0.011	0.011	0.012	100
N1	0,15	0,17	0,22	0,25	0,28	0,32	0,34	0,36	0,38	0,40	205
	0.0060	0.0065	0.0085	0.010	0.011	0.013	0.013	0.014	0.015	0.016	670
N2	0,15	0,17	0,22	0,25	0,28	0,32	0,34	0,36	0,38	0,40	135
	0.0060	0.0065	0.0085	0.010	0.011	0.013	0.013	0.014	0.015	0.016	445
N3	0,15	0,17	0,22	0,25	0,28	0,32	0,34	0,36	0,38	0,40	90
	0.0060	0.0065	0.0085	0.010	0.011	0.013	0.013	0.014	0.015	0.016	295
N11	0,15	0,17	0,22	0,25	0,28	0,32	0,34	0,36	0,38	0,40	165
	0.0060	0.0065	0.0085	0.010	0.011	0.013	0.013	0.014	0.015	0.016	540
H3	0,048	0,055	0,075	0,090	0,10	0,12	0,13	0,14	0,14	0,15	27
	0.0019	0.0022	0.0030	0.0036	0.0040	0.0048	0.0050	0.0055	0.0055	0.0060	90
H5	0,075	0,085	0,11	0,14	0,16	0,18	0,19	0,20	0,22	0,22	50
	0.0030	0.0034	0.0044	0.0055	0.0065	0.0070	0.0075	0.0080	0.0085	0.0085	165
H7	0,048	0,055	0,075	0,090	0,10	0,12	0,13	0,14	0,14	0,15	27
	0.0019	0.0022	0.0030	0.0036	0.0040	0.0048	0.0050	0.0055	0.0055	0.0060	90
H8	0,055	0,065	0,085	0,10	0,12	0,14	0,15	0,16	0,17	0,17	50
	0.0022	0.0026	0.0034	0.0040	0.0048	0.0055	0.0060	0.0065	0.0065	0.0065	165
H11	0,075	0,085	0,11	0,14	0,16	0,18	0,19	0,20	0,22	0,22	65
	0.0030	0.0034	0.0044	0.0055	0.0065	0.0070	0.0075	0.0080	0.0085	0.0085	215
H12	0,055	0,065	0,085	0,10	0,12	0,14	0,15	0,16	0,17	0,17	30
	0.0022	0.0026	0.0034	0.0040	0.0048	0.0055	0.0060	0.0065	0.0065	0.0065	100

SMG = Seco malzeme grubu f = mm/rev (IPR) v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

8xD ve 12xD ile paslanmaz çelikte delik açarken bir ön delme işlemi gerekebilir

Giris

Delme

Raybalama

Baralama

Ek

SD112 – Ø 3-20 mm / 0.118-0.787 inç

SMG	f										v _c
	Ø3,00 Ø 0.118	Ø4,00 Ø 0.157	Ø6,00 Ø 0.236	Ø8,00 Ø 0.315	Ø10,00 Ø 0.394	Ø12,00 Ø 0.472	Ø14,00 Ø 0.551	Ø16,00 Ø 0.630	Ø18,00 Ø 0.709	Ø20,00 Ø 0.787	
P1	0,12	0,14	0,18	0,22	0,25	0,28	0,30	0,32	0,34	0,36	100
	0.0048	0.0055	0.0070	0.0085	0.010	0.011	0.012	0.013	0.013	0.014	330
P2	0,12	0,14	0,18	0,22	0,26	0,28	0,32	0,34	0,36	0,36	100
	0.0048	0.0055	0.0070	0.0085	0.010	0.011	0.013	0.013	0.014	0.014	330
P3	0,11	0,13	0,17	0,20	0,24	0,28	0,30	0,32	0,34	0,34	85
	0.0044	0.0050	0.0065	0.0080	0.0095	0.011	0.012	0.013	0.013	0.013	280
P4	0,11	0,13	0,17	0,20	0,24	0,26	0,28	0,30	0,32	0,34	75
	0.0044	0.0050	0.0065	0.0080	0.0095	0.010	0.011	0.012	0.013	0.013	245
P5	0,11	0,13	0,16	0,20	0,24	0,26	0,28	0,30	0,32	0,34	70
	0.0044	0.0050	0.0065	0.0080	0.0095	0.010	0.011	0.012	0.013	0.013	230
P6	0,11	0,12	0,16	0,20	0,24	0,26	0,28	0,30	0,32	0,34	80
	0.0044	0.0048	0.0065	0.0080	0.0095	0.010	0.011	0.012	0.013	0.013	260
P7	0,11	0,12	0,16	0,20	0,24	0,26	0,28	0,30	0,32	0,34	75
	0.0044	0.0048	0.0065	0.0080	0.0095	0.010	0.011	0.012	0.013	0.013	245
P8	0,11	0,13	0,17	0,20	0,24	0,28	0,30	0,32	0,34	0,34	70
	0.0044	0.0050	0.0065	0.0080	0.0095	0.011	0.012	0.013	0.013	0.013	230
P11	0,11	0,12	0,16	0,20	0,24	0,26	0,28	0,30	0,32	0,34	50
	0.0044	0.0048	0.0065	0.0080	0.0095	0.010	0.011	0.012	0.013	0.013	165
P12	0,075	0,085	0,11	0,14	0,16	0,18	0,19	0,20	0,22	0,22	36
	0.0030	0.0034	0.0044	0.0055	0.0065	0.0070	0.0075	0.0080	0.0085	0.0085	120
M1	0,080	0,095	0,13	0,17	0,20	0,22	0,24	0,26	0,28	0,30	55
	0.0032	0.0038	0.0050	0.0065	0.0080	0.0085	0.0095	0.010	0.011	0.012	180
M2	0,070	0,085	0,12	0,15	0,18	0,20	0,22	0,24	0,25	0,26	43
	0.0028	0.0034	0.0048	0.0060	0.0070	0.0080	0.0085	0.0095	0.010	0.010	140
M3	0,055	0,070	0,095	0,12	0,14	0,16	0,18	0,19	0,20	0,22	33
	0.0022	0.0028	0.0038	0.0048	0.0055	0.0065	0.0070	0.0075	0.0080	0.0085	110
M4	0,050	0,060	0,085	0,11	0,12	0,14	0,15	0,17	0,18	0,19	25
	0.0020	0.0024	0.0034	0.0044	0.0048	0.0055	0.0060	0.0065	0.0070	0.0075	80
M5	0,050	0,060	0,085	0,11	0,12	0,14	0,15	0,17	0,18	0,19	21
	0.0020	0.0024	0.0034	0.0044	0.0048	0.0055	0.0060	0.0065	0.0070	0.0075	70
K1	0,12	0,14	0,18	0,22	0,26	0,28	0,30	0,34	0,34	0,36	65
	0.0048	0.0055	0.0070	0.0085	0.010	0.011	0.012	0.013	0.013	0.014	215
K2	0,11	0,13	0,16	0,20	0,24	0,26	0,28	0,30	0,32	0,34	55
	0.0044	0.0050	0.0065	0.0080	0.0095	0.010	0.011	0.012	0.013	0.013	180
K3	0,11	0,13	0,16	0,20	0,24	0,26	0,28	0,30	0,32	0,34	47
	0.0044	0.0050	0.0065	0.0080	0.0095	0.010	0.011	0.012	0.013	0.013	155
K4	0,11	0,13	0,16	0,20	0,24	0,26	0,28	0,30	0,32	0,34	45
	0.0044	0.0050	0.0065	0.0080	0.0095	0.010	0.011	0.012	0.013	0.013	150
K5	0,10	0,11	0,15	0,18	0,20	0,24	0,25	0,28	0,28	0,30	27
	0.0040	0.0044	0.0060	0.0070	0.0080	0.0095	0.010	0.011	0.011	0.012	90
N1	0,15	0,17	0,22	0,25	0,28	0,32	0,34	0,36	0,38	0,40	180
	0.0060	0.0065	0.0085	0.010	0.011	0.013	0.013	0.014	0.015	0.016	590
N2	0,15	0,17	0,22	0,25	0,28	0,32	0,34	0,36	0,38	0,40	115
	0.0060	0.0065	0.0085	0.010	0.011	0.013	0.013	0.014	0.015	0.016	375
N3	0,15	0,17	0,22	0,25	0,28	0,32	0,34	0,36	0,38	0,40	75
	0.0060	0.0065	0.0085	0.010	0.011	0.013	0.013	0.014	0.015	0.016	245
N11	0,15	0,17	0,22	0,25	0,28	0,32	0,34	0,36	0,38	0,40	145
	0.0060	0.0065	0.0085	0.010	0.011	0.013	0.013	0.014	0.015	0.016	475
H3	0,048	0,055	0,075	0,090	0,10	0,12	0,13	0,14	0,14	0,15	23
	0.0019	0.0022	0.0030	0.0036	0.0040	0.0048	0.0050	0.0055	0.0055	0.0060	75
H5	0,075	0,085	0,11	0,14	0,16	0,18	0,19	0,20	0,22	0,22	43
	0.0030	0.0034	0.0044	0.0055	0.0065	0.0070	0.0075	0.0080	0.0085	0.0085	140
H7	0,048	0,055	0,075	0,090	0,10	0,12	0,13	0,14	0,14	0,15	23
	0.0019	0.0022	0.0030	0.0036	0.0040	0.0048	0.0050	0.0055	0.0055	0.0060	75
H8	0,055	0,065	0,085	0,10	0,12	0,14	0,15	0,16	0,17	0,17	43
	0.0022	0.0026	0.0034	0.0040	0.0048	0.0055	0.0060	0.0065	0.0065	0.0065	140
H11	0,075	0,085	0,11	0,14	0,16	0,18	0,19	0,20	0,22	0,22	55
	0.0030	0.0034	0.0044	0.0055	0.0065	0.0070	0.0075	0.0080	0.0085	0.0085	180
H12	0,055	0,065	0,085	0,10	0,12	0,14	0,15	0,16	0,17	0,17	26
	0.0022	0.0026	0.0034	0.0040	0.0048	0.0055	0.0060	0.0065	0.0065	0.0065	85

SMG = Seco malzeme grubu f = mm/rev (IPR) v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

8xD ve 12xD ile paslanmaz çelikte delik açarken bir ön delme işlemi gerekebilir

SD203A – Ø 2-8 mm / 0.079-0.315 inç

SMG		f						v _c
		Ø2,00 Ø 0.079	Ø3,00 Ø 0.118	Ø4,00 Ø 0.157	Ø5,00 Ø 0.197	Ø6,00 Ø 0.236	Ø8,00 Ø 0.315	
P1	P	0,14	0,17	0,20	0,24	0,26	0,32	185
	P	0.0055	0.0065	0.0080	0.0095	0.010	0.013	610
P2	P	0,14	0,17	0,20	0,24	0,26	0,32	180
	P	0.0055	0.0065	0.0080	0.0095	0.010	0.013	590
P3	P	0,14	0,16	0,19	0,22	0,25	0,32	155
	P	0.0055	0.0065	0.0075	0.0085	0.010	0.013	510
P4	P	0,10	0,13	0,15	0,17	0,19	0,24	210
	P	0.0040	0.0050	0.0060	0.0065	0.0075	0.0095	690
P5	P	0,10	0,12	0,14	0,17	0,19	0,22	205
	P	0.0040	0.0048	0.0055	0.0065	0.0075	0.0085	670
P6	P	0,10	0,12	0,14	0,16	0,19	0,22	230
	P	0.0040	0.0048	0.0055	0.0065	0.0075	0.0085	750
P7	P	0,10	0,12	0,14	0,16	0,19	0,22	215
	P	0.0040	0.0048	0.0055	0.0065	0.0075	0.0085	710
P8	P	0,11	0,13	0,15	0,17	0,19	0,24	200
	P	0.0044	0.0050	0.0060	0.0065	0.0075	0.0095	660
P11	P	0,060	0,075	0,085	0,10	0,11	0,14	105
	P	0.0024	0.0030	0.0034	0.0040	0.0044	0.0055	345
P12	P	0,060	0,075	0,085	0,10	0,11	0,14	75
	P	0.0024	0.0030	0.0034	0.0040	0.0044	0.0055	245
M1	MS	0,075	0,095	0,11	0,13	0,15	0,19	110
	MS	0.0030	0.0038	0.0044	0.0050	0.0060	0.0075	360
M2	MS	0,065	0,085	0,10	0,12	0,14	0,17	90
	MS	0.0026	0.0034	0.0040	0.0048	0.0055	0.0065	295
M3	MS	0,095	0,11	0,13	0,15	0,17	0,20	45
	MS	0.0038	0.0044	0.0050	0.0060	0.0065	0.0080	160
M4	MS	0,048	0,060	0,070	0,085	0,095	0,12	50
	MS	0.0019	0.0024	0.0028	0.0034	0.0038	0.0048	165
M5	MS	0,048	0,060	0,070	0,085	0,095	0,12	42
	MS	0.0019	0.0024	0.0028	0.0034	0.0038	0.0048	140
K1	P	0,15	0,18	0,22	0,25	0,28	0,36	175
	P	0.0060	0.0070	0.0085	0.010	0.011	0.014	570
K2	P	0,14	0,17	0,20	0,22	0,26	0,32	150
	P	0.0055	0.0065	0.0080	0.0085	0.010	0.013	490
K3	P	0,14	0,17	0,20	0,22	0,26	0,32	125
	P	0.0055	0.0065	0.0080	0.0085	0.010	0.013	410
K4	P	0,14	0,17	0,20	0,22	0,26	0,32	120
	P	0.0055	0.0065	0.0080	0.0085	0.010	0.013	395
K5	P	0,12	0,15	0,18	0,20	0,24	0,28	70
	P	0.0048	0.0060	0.0070	0.0080	0.0095	0.011	230
N1	N	0,13	0,16	0,19	0,22	0,26	0,32	350
	N	0.0050	0.0065	0.0075	0.0085	0.010	0.013	1150
N2	MS	0,13	0,16	0,19	0,22	0,26	0,32	225
	MS	0.0050	0.0065	0.0075	0.0085	0.010	0.013	740
N3	MS	0,13	0,16	0,19	0,22	0,26	0,32	150
	MS	0.0050	0.0065	0.0075	0.0085	0.010	0.013	490
N11	MS	0,13	0,16	0,19	0,22	0,26	0,32	285
	MS	0.0050	0.0065	0.0075	0.0085	0.010	0.013	940
S1	MS	0,040	0,048	0,055	0,065	0,075	0,095	39
	MS	0.0016	0.0019	0.0022	0.0026	0.0030	0.0038	130
S2	MS	0,040	0,048	0,055	0,065	0,075	0,095	28
	MS	0.0016	0.0019	0.0022	0.0026	0.0030	0.0038	90
S3	MS	0,040	0,048	0,055	0,065	0,075	0,095	28
	MS	0.0016	0.0019	0.0022	0.0026	0.0030	0.0038	90
S11	MS	0,070	0,085	0,095	0,11	0,12	0,14	70
	MS	0.0028	0.0034	0.0038	0.0044	0.0048	0.0055	230
S12	MS	0,070	0,085	0,095	0,11	0,12	0,14	55
	MS	0.0028	0.0034	0.0038	0.0044	0.0048	0.0055	180
S13	MS	0,065	0,075	0,085	0,095	0,10	0,12	43
	MS	0.0026	0.0030	0.0034	0.0038	0.0040	0.0048	140
H3	P	0,055	0,070	0,080	0,090	0,10	0,12	28
	P	0.0022	0.0028	0.0032	0.0036	0.0040	0.0048	90
H5	P	0,085	0,10	0,12	0,13	0,15	0,18	55
	P	0.0034	0.0040	0.0048	0.0050	0.0060	0.0070	180
H7	P	0,055	0,070	0,080	0,090	0,10	0,12	28
	P	0.0022	0.0028	0.0032	0.0036	0.0040	0.0048	90
H8	P	0,065	0,080	0,090	0,10	0,12	0,14	55
	P	0.0026	0.0032	0.0036	0.0040	0.0048	0.0055	180
H11	P	0,085	0,10	0,12	0,13	0,15	0,18	65
	P	0.0034	0.0040	0.0048	0.0050	0.0060	0.0070	215
H12	P	0,065	0,080	0,090	0,10	0,12	0,14	80
	P	0.0026	0.0032	0.0036	0.0040	0.0048	0.0055	260
H21	P	0,065	0,080	0,090	0,10	0,12	0,14	55
	P	0.0026	0.0032	0.0036	0.0040	0.0048	0.0055	180

SMG = Seco malzeme grubu f = mm/rev (IPR) v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

SD203A – Ø 10-20 mm / 0.394-0.787 inç

SMG		f						V _c
		Ø10,00 Ø 0.394	Ø12,00 Ø 0.472	Ø14,00 Ø 0.551	Ø16,00 Ø 0.630	Ø18,00 Ø 0.709	Ø20,00 Ø 0.787	
P1	P	0,38	0,44	0,48	0,50	0,55	0,55	185
	P	0.015	0.017	0.019	0.020	0.022	0.022	610
P2	P	0,38	0,44	0,48	0,50	0,55	0,60	180
	P	0.015	0.017	0.019	0.020	0.022	0.024	590
P3	P	0,36	0,42	0,46	0,50	0,50	0,55	155
	P	0.014	0.017	0.018	0.020	0.020	0.022	510
P4	P	0,28	0,30	0,34	0,36	0,38	0,40	210
	P	0.011	0.012	0.013	0.014	0.015	0.016	690
P5	P	0,26	0,30	0,32	0,34	0,36	0,38	205
	P	0.010	0.012	0.013	0.013	0.014	0.015	670
P6	P	0,26	0,30	0,32	0,34	0,36	0,38	230
	P	0.010	0.012	0.013	0.013	0.014	0.015	750
P7	P	0,26	0,30	0,32	0,34	0,36	0,38	215
	P	0.010	0.012	0.013	0.013	0.014	0.015	710
P8	P	0,28	0,32	0,34	0,36	0,38	0,40	200
	P	0.011	0.013	0.013	0.014	0.015	0.016	660
P11	P	0,16	0,18	0,20	0,22	0,24	0,24	105
	P	0.0065	0.0070	0.0080	0.0085	0.0095	0.0095	345
P12	P	0,16	0,18	0,20	0,22	0,24	0,24	75
	P	0.0065	0.0070	0.0080	0.0085	0.0095	0.0095	245
M1	MS	0,22	0,25	0,28	0,30	0,30	0,32	110
	MS	0.0085	0.010	0.011	0.012	0.012	0.013	360
M2	MS	0,20	0,22	0,25	0,26	0,28	0,30	90
	MS	0.0080	0.0085	0.010	0.010	0.011	0.012	295
M3	MS	0,24	0,26	0,28	0,30	0,32	0,34	45
	MS	0.0095	0.010	0.011	0.012	0.013	0.013	150
M4	MS	0,14	0,16	0,17	0,19	0,20	0,20	50
	MS	0.0055	0.0065	0.0065	0.0075	0.0080	0.0080	165
M5	MS	0,14	0,16	0,17	0,19	0,20	0,20	42
	MS	0.0055	0.0065	0.0065	0.0075	0.0080	0.0080	140
K1	P	0,42	0,48	0,50	0,55	0,60	0,65	175
	P	0.017	0.019	0.020	0.022	0.024	0.026	570
K2	P	0,38	0,42	0,48	0,50	0,55	0,55	150
	P	0.015	0.017	0.019	0.020	0.022	0.022	490
K3	P	0,38	0,42	0,48	0,50	0,55	0,55	125
	P	0.015	0.017	0.019	0.020	0.022	0.022	410
K4	P	0,38	0,42	0,48	0,50	0,55	0,55	120
	P	0.015	0.017	0.019	0.020	0.022	0.022	395
K5	P	0,34	0,38	0,42	0,46	0,48	0,50	70
	P	0.013	0.015	0.017	0.018	0.019	0.020	230
N1	N	0,38	0,42	0,46	0,50	0,55	0,55	350
	N	0.015	0.017	0.018	0.020	0.022	0.022	1150
N2	MS	0,38	0,42	0,46	0,50	0,55	0,55	225
	MS	0.015	0.017	0.018	0.020	0.022	0.022	740
N3	MS	0,38	0,42	0,46	0,50	0,55	0,55	150
	MS	0.015	0.017	0.018	0.020	0.022	0.022	490
N11	MS	0,38	0,42	0,46	0,50	0,55	0,55	285
	MS	0.015	0.017	0.018	0.020	0.022	0.022	940
S1	MS	0,11	0,13	0,15	0,16	0,17	0,19	39
	MS	0.0044	0.0050	0.0060	0.0065	0.0065	0.0075	130
S2	MS	0,11	0,13	0,15	0,16	0,17	0,19	28
	MS	0.0044	0.0050	0.0060	0.0065	0.0065	0.0075	90
S3	MS	0,11	0,13	0,15	0,16	0,17	0,19	28
	MS	0.0044	0.0050	0.0060	0.0065	0.0065	0.0075	90
S11	MS	0,17	0,19	0,22	0,24	0,25	0,26	70
	MS	0.0065	0.0075	0.0085	0.0095	0.010	0.010	230
S12	MS	0,17	0,19	0,22	0,24	0,25	0,26	55
	MS	0.0065	0.0075	0.0085	0.0095	0.010	0.010	180
S13	MS	0,15	0,17	0,19	0,20	0,22	0,22	43
	MS	0.0060	0.0065	0.0075	0.0080	0.0085	0.0085	140
H3	P	0,14	0,16	0,18	0,19	0,20	0,20	28
	P	0.0055	0.0065	0.0070	0.0075	0.0080	0.0080	90
H5	P	0,22	0,24	0,26	0,28	0,30	0,32	55
	P	0.0085	0.0095	0.010	0.011	0.012	0.013	180
H7	P	0,14	0,16	0,18	0,19	0,20	0,20	28
	P	0.0055	0.0065	0.0070	0.0075	0.0080	0.0080	90
H8	P	0,16	0,19	0,20	0,22	0,24	0,24	55
	P	0.0065	0.0075	0.0080	0.0085	0.0095	0.0095	180
H11	P	0,22	0,24	0,26	0,28	0,30	0,32	65
	P	0.0085	0.0095	0.010	0.011	0.012	0.013	215
H12	P	0,16	0,19	0,20	0,22	0,24	0,24	80
	P	0.0065	0.0075	0.0080	0.0085	0.0095	0.0095	260
H21	P	0,16	0,19	0,20	0,22	0,24	0,24	55
	P	0.0065	0.0075	0.0080	0.0085	0.0095	0.0095	180

SMG = Seco malzeme grubu f = mm/rev (IPR) v_c= sf/dak Tüm kesme verileri başlangıç değerleridir

SD205A – Ø 2-8 mm / 0.079-0.315 inç

SMG		f						v _c
		Ø2,00 Ø 0.079	Ø3,00 Ø 0.118	Ø4,00 Ø 0.157	Ø5,00 Ø 0.197	Ø6,00 Ø 0.236	Ø8,00 Ø 0.315	
P1	P	0,14	0,17	0,20	0,24	0,26	0,32	170
	P	0.0055	0.0065	0.0080	0.0095	0.010	0.013	560
P2	P	0,14	0,17	0,20	0,24	0,26	0,32	165
	P	0.0055	0.0065	0.0080	0.0095	0.010	0.013	540
P3	P	0,14	0,16	0,19	0,22	0,25	0,32	140
	P	0.0055	0.0065	0.0075	0.0085	0.010	0.013	460
P4	P	0,10	0,13	0,15	0,17	0,19	0,24	195
	P	0.0040	0.0050	0.0060	0.0065	0.0075	0.0095	640
P5	P	0,10	0,12	0,14	0,17	0,19	0,22	185
	P	0.0040	0.0048	0.0055	0.0065	0.0075	0.0085	610
P6	P	0,10	0,12	0,14	0,16	0,19	0,22	210
	P	0.0040	0.0048	0.0055	0.0065	0.0075	0.0085	690
P7	P	0,10	0,12	0,14	0,16	0,19	0,22	200
	P	0.0040	0.0048	0.0055	0.0065	0.0075	0.0085	660
P8	P	0,11	0,13	0,15	0,17	0,19	0,24	185
	P	0.0044	0.0050	0.0060	0.0065	0.0075	0.0095	610
P11	P	0,060	0,075	0,085	0,10	0,11	0,14	95
	P	0.0024	0.0030	0.0034	0.0040	0.0044	0.0055	310
P12	P	0,060	0,075	0,085	0,10	0,11	0,14	65
	P	0.0024	0.0030	0.0034	0.0040	0.0044	0.0055	215
M1	MS	0,075	0,095	0,11	0,13	0,15	0,19	110
	MS	0.0030	0.0038	0.0044	0.0050	0.0060	0.0075	360
M2	MS	0,065	0,085	0,10	0,12	0,14	0,17	90
	MS	0.0026	0.0034	0.0040	0.0048	0.0055	0.0065	295
M3	MS	0,095	0,11	0,13	0,15	0,17	0,20	45
	MS	0.0038	0.0044	0.0050	0.0060	0.0065	0.0080	160
M4	MS	0,048	0,060	0,070	0,085	0,095	0,12	50
	MS	0.0019	0.0024	0.0028	0.0034	0.0038	0.0048	165
M5	MS	0,048	0,060	0,070	0,085	0,095	0,12	42
	MS	0.0019	0.0024	0.0028	0.0034	0.0038	0.0048	140
K1	P	0,15	0,18	0,22	0,25	0,28	0,36	160
	P	0.0060	0.0070	0.0085	0.010	0.011	0.014	520
K2	P	0,14	0,17	0,20	0,22	0,26	0,32	135
	P	0.0055	0.0065	0.0080	0.0085	0.010	0.013	445
K3	P	0,14	0,17	0,20	0,22	0,26	0,32	115
	P	0.0055	0.0065	0.0080	0.0085	0.010	0.013	375
K4	P	0,14	0,17	0,20	0,22	0,26	0,32	110
	P	0.0055	0.0065	0.0080	0.0085	0.010	0.013	360
K5	P	0,12	0,15	0,18	0,20	0,24	0,28	65
	P	0.0048	0.0060	0.0070	0.0080	0.0095	0.011	215
N1	N	0,13	0,16	0,19	0,22	0,26	0,32	350
	N	0.0050	0.0065	0.0075	0.0085	0.010	0.013	1150
N2	MS	0,13	0,16	0,19	0,22	0,26	0,32	225
	MS	0.0050	0.0065	0.0075	0.0085	0.010	0.013	740
N3	MS	0,13	0,16	0,19	0,22	0,26	0,32	150
	MS	0.0050	0.0065	0.0075	0.0085	0.010	0.013	490
N11	MS	0,13	0,16	0,19	0,22	0,26	0,32	285
	MS	0.0050	0.0065	0.0075	0.0085	0.010	0.013	940
S1	MS	0,040	0,048	0,055	0,065	0,075	0,095	39
	MS	0.0016	0.0019	0.0022	0.0026	0.0030	0.0038	130
S2	MS	0,040	0,048	0,055	0,065	0,075	0,095	28
	MS	0.0016	0.0019	0.0022	0.0026	0.0030	0.0038	90
S3	MS	0,040	0,048	0,055	0,065	0,075	0,095	28
	MS	0.0016	0.0019	0.0022	0.0026	0.0030	0.0038	90
S11	MS	0,070	0,085	0,095	0,11	0,12	0,14	70
	MS	0.0028	0.0034	0.0038	0.0044	0.0048	0.0055	230
S12	MS	0,070	0,085	0,095	0,11	0,12	0,14	55
	MS	0.0028	0.0034	0.0038	0.0044	0.0048	0.0055	180
S13	MS	0,065	0,075	0,085	0,095	0,10	0,12	43
	MS	0.0026	0.0030	0.0034	0.0038	0.0040	0.0048	140
H3	P	0,055	0,070	0,080	0,090	0,10	0,12	26
	P	0.0022	0.0028	0.0032	0.0036	0.0040	0.0048	85
H5	P	0,085	0,10	0,12	0,13	0,15	0,18	48
	P	0.0034	0.0040	0.0048	0.0050	0.0060	0.0070	155
H7	P	0,055	0,070	0,080	0,090	0,10	0,12	26
	P	0.0022	0.0028	0.0032	0.0036	0.0040	0.0048	85
H8	P	0,065	0,080	0,090	0,10	0,12	0,14	48
	P	0.0026	0.0032	0.0036	0.0040	0.0048	0.0055	155
H11	P	0,085	0,10	0,12	0,13	0,15	0,18	60
	P	0.0034	0.0040	0.0048	0.0050	0.0060	0.0070	195
H12	P	0,065	0,080	0,090	0,10	0,12	0,14	70
	P	0.0026	0.0032	0.0036	0.0040	0.0048	0.0055	230
H21	P	0,065	0,080	0,090	0,10	0,12	0,14	48
	P	0.0026	0.0032	0.0036	0.0040	0.0048	0.0055	155

SMG = Seco malzeme grubu f = mm/rev (IPR) v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

Giris

Delme

Raybalama

Baralama

Ek

SD205A – Ø 10-20 mm / 0.394-0.787 inç

SMG		f						V _c
		Ø10,00 Ø 0.394	Ø12,00 Ø 0.472	Ø14,00 Ø 0.551	Ø16,00 Ø 0.630	Ø18,00 Ø 0.709	Ø20,00 Ø 0.787	
P1	P	0,38	0,44	0,48	0,50	0,55	0,55	170
	P	0.015	0.017	0.019	0.020	0.022	0.022	560
P2	P	0,38	0,44	0,48	0,50	0,55	0,60	165
	P	0.015	0.017	0.019	0.020	0.022	0.024	540
P3	P	0,36	0,42	0,46	0,50	0,50	0,55	140
	P	0.014	0.017	0.018	0.020	0.020	0.022	460
P4	P	0,28	0,30	0,34	0,36	0,38	0,40	195
	P	0.011	0.012	0.013	0.014	0.015	0.016	640
P5	P	0,26	0,30	0,32	0,34	0,36	0,38	185
	P	0.010	0.012	0.013	0.013	0.014	0.015	610
P6	P	0,26	0,30	0,32	0,34	0,36	0,38	210
	P	0.010	0.012	0.013	0.013	0.014	0.015	690
P7	P	0,26	0,30	0,32	0,34	0,36	0,38	200
	P	0.010	0.012	0.013	0.013	0.014	0.015	660
P8	P	0,28	0,32	0,34	0,36	0,38	0,40	185
	P	0.011	0.013	0.013	0.014	0.015	0.016	610
P11	P	0,16	0,18	0,20	0,22	0,24	0,24	95
	P	0.0065	0.0070	0.0080	0.0085	0.0095	0.0095	310
M1	MS	0,22	0,25	0,28	0,30	0,30	0,32	110
	MS	0.0085	0.010	0.011	0.012	0.012	0.013	360
M2	MS	0,20	0,22	0,25	0,26	0,28	0,30	90
	MS	0.0080	0.0085	0.010	0.010	0.011	0.012	295
M3	MS	0,24	0,26	0,28	0,30	0,32	0,34	45
	MS	0.0095	0.010	0.011	0.012	0.013	0.013	150
M4	MS	0,14	0,16	0,17	0,19	0,20	0,20	50
	MS	0.0055	0.0065	0.0065	0.0075	0.0080	0.0080	165
M5	MS	0,14	0,16	0,17	0,19	0,20	0,20	42
	MS	0.0055	0.0065	0.0065	0.0075	0.0080	0.0080	140
K1	P	0,42	0,48	0,50	0,55	0,60	0,65	160
	P	0.017	0.019	0.020	0.022	0.024	0.026	520
K2	P	0,38	0,42	0,48	0,50	0,55	0,55	135
	P	0.015	0.017	0.019	0.020	0.022	0.022	445
K3	P	0,38	0,42	0,48	0,50	0,55	0,55	115
	P	0.015	0.017	0.019	0.020	0.022	0.022	375
K4	P	0,38	0,42	0,48	0,50	0,55	0,55	110
	P	0.015	0.017	0.019	0.020	0.022	0.022	360
K5	P	0,34	0,38	0,42	0,46	0,48	0,50	65
	P	0.013	0.015	0.017	0.018	0.019	0.020	215
N1	N	0,38	0,42	0,46	0,50	0,55	0,55	350
	N	0.015	0.017	0.018	0.020	0.022	0.022	1150
N2	MS	0,38	0,42	0,46	0,50	0,55	0,55	225
	MS	0.015	0.017	0.018	0.020	0.022	0.022	740
N3	MS	0,38	0,42	0,46	0,50	0,55	0,55	150
	MS	0.015	0.017	0.018	0.020	0.022	0.022	490
N11	MS	0,38	0,42	0,46	0,50	0,55	0,55	285
	MS	0.015	0.017	0.018	0.020	0.022	0.022	940
S1	MS	0,11	0,13	0,15	0,16	0,17	0,19	39
	MS	0.0044	0.0050	0.0060	0.0065	0.0065	0.0075	130
S2	MS	0,11	0,13	0,15	0,16	0,17	0,19	28
	MS	0.0044	0.0050	0.0060	0.0065	0.0065	0.0075	90
S3	MS	0,11	0,13	0,15	0,16	0,17	0,19	28
	MS	0.0044	0.0050	0.0060	0.0065	0.0065	0.0075	90
S11	MS	0,17	0,19	0,22	0,24	0,25	0,26	70
	MS	0.0065	0.0075	0.0085	0.0095	0.010	0.010	230
S12	MS	0,17	0,19	0,22	0,24	0,25	0,26	55
	MS	0.0065	0.0075	0.0085	0.0095	0.010	0.010	180
S13	MS	0,15	0,17	0,19	0,20	0,22	0,22	43
	MS	0.0060	0.0065	0.0075	0.0080	0.0085	0.0085	140
H3	P	0,14	0,16	0,18	0,19	0,20	0,20	26
	P	0.0055	0.0065	0.0070	0.0075	0.0080	0.0080	85
H5	P	0,22	0,24	0,26	0,28	0,30	0,32	48
	P	0.0085	0.0095	0.010	0.011	0.012	0.013	155
H7	P	0,14	0,16	0,18	0,19	0,20	0,20	26
	P	0.0055	0.0065	0.0070	0.0075	0.0080	0.0080	85
H8	P	0,16	0,19	0,20	0,22	0,24	0,24	48
	P	0.0065	0.0075	0.0080	0.0085	0.0095	0.0095	155
H11	P	0,22	0,24	0,26	0,28	0,30	0,32	60
	P	0.0085	0.0095	0.010	0.011	0.012	0.013	195
H12	P	0,16	0,19	0,20	0,22	0,24	0,24	70
	P	0.0065	0.0075	0.0080	0.0085	0.0095	0.0095	230
H21	P	0,16	0,19	0,20	0,22	0,24	0,24	48
	P	0.0065	0.0075	0.0080	0.0085	0.0095	0.0095	155

SMG = Seco matzeme grubu f = mm/rev (IPR) v_c= sf/dak Tüm kesme verileri başlangıç değerleridir

SD206 – Ø 0,7-2 mm / 0.0276-0.0787 inç

SMG		f			v _c
		Ø0,70 Ø 0.0276	Ø1,00 Ø 0.0394	Ø2,00 Ø 0.0787	
P1	P	0,080	0,090	0,11	140
	P	0,0032	0,0036	0,0044	460
P2	P	0,085	0,090	0,12	140
	P	0,0034	0,0036	0,0048	460
P3	P	0,080	0,085	0,11	120
	P	0,0032	0,0034	0,0044	395
P4	P	0,080	0,085	0,11	105
	P	0,0032	0,0034	0,0044	345
P5	P	0,075	0,085	0,11	100
	P	0,0030	0,0034	0,0044	330
P6	P	0,075	0,080	0,10	110
	P	0,0030	0,0032	0,0040	360
P7	P	0,075	0,080	0,10	105
	P	0,0030	0,0032	0,0040	345
P8	P	0,080	0,085	0,11	100
	P	0,0032	0,0034	0,0044	330
P11	P	0,075	0,080	0,10	105
	P	0,0030	0,0032	0,0040	345
P12	P	0,050	0,055	0,070	60
	P	0,0020	0,0022	0,0028	195
K1	P	0,085	0,090	0,12	100
	P	0,0034	0,0036	0,0048	330
K2	P	0,075	0,085	0,11	85
	P	0,0030	0,0034	0,0044	280
K3	P	0,075	0,085	0,11	75
	P	0,0030	0,0034	0,0044	245
K4	P	0,075	0,085	0,11	70
	P	0,0030	0,0034	0,0044	230
K5	P	0,070	0,075	0,095	42
	P	0,0028	0,0030	0,0038	140

SMG = Seco malzeme grubu f = mm/rev (IPR) v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

SD206A – Ø 1-2 mm / 0.0394-0.0787 inç

SMG		f			V _c
		Ø1,00 Ø 0.0394	Ø1,50 Ø 0.0591	Ø2,00 Ø 0.0787	
P1	P	0,090	0,10	0,11	175
	P	0.0036	0.0040	0.0044	570
P2	P	0,090	0,10	0,12	170
	P	0.0036	0.0040	0.0048	560
P3	P	0,085	0,10	0,11	145
	P	0.0034	0.0040	0.0044	475
P4	P	0,085	0,095	0,11	130
	P	0.0034	0.0038	0.0044	425
P5	P	0,085	0,095	0,11	125
	P	0.0034	0.0038	0.0044	410
P6	P	0,080	0,095	0,10	140
	P	0.0032	0.0038	0.0040	460
P7	P	0,080	0,095	0,10	130
	P	0.0032	0.0038	0.0040	425
P8	P	0,085	0,10	0,11	125
	P	0.0034	0.0040	0.0044	410
P11	P	0,080	0,095	0,10	125
	P	0.0032	0.0038	0.0040	410
P12	P	0,055	0,065	0,070	75
	P	0.0022	0.0026	0.0028	245
M1	P	0,055	0,065	0,075	95
	P	0.0022	0.0026	0.0030	310
M2	P	0,050	0,060	0,070	75
	P	0.0020	0.0024	0.0028	245
M3	P	0,042	0,048	0,055	60
	P	0.0017	0.0019	0.0022	195
M4	P	0,036	0,042	0,048	43
	P	0.0014	0.0017	0.0019	140
M5	P	0,036	0,042	0,048	36
	P	0.0014	0.0017	0.0019	120
K1	P	0,095	0,11	0,12	115
	P	0.0038	0.0044	0.0048	375
K2	P	0,085	0,10	0,11	100
	P	0.0034	0.0040	0.0044	330
K3	P	0,085	0,10	0,11	85
	P	0.0034	0.0040	0.0044	280
K4	P	0,085	0,10	0,11	80
	P	0.0034	0.0040	0.0044	260
K5	P	0,075	0,090	0,10	47
	P	0.0030	0.0036	0.0040	155
N2	P	0,10	0,12	0,13	190
	P	0.0040	0.0048	0.0050	620
N3	P	0,10	0,12	0,13	125
	P	0.0040	0.0048	0.0050	410

SMG = Seco malzeme grubu f = mm/rev (IPR) v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

SD207A – Ø 3-20 mm / 0.118-0.787 inç

SMG		f										v _c
		Ø3,00 Ø 0.118	Ø5,00 Ø 0.197	Ø6,00 Ø 0.236	Ø8,00 Ø 0.315	Ø10,00 Ø 0.394	Ø12,00 Ø 0.472	Ø14,00 Ø 0.551	Ø16,00 Ø 0.630	Ø18,00 Ø 0.709	Ø20,00 Ø 0.787	
P1	P	0,17	0,24	0,26	0,32	0,38	0,44	0,48	0,50	0,55	0,55	155
	P	0.0065	0.0095	0.010	0.013	0.015	0.017	0.019	0.020	0.022	0.022	510
P2	P	0,17	0,24	0,26	0,32	0,38	0,44	0,48	0,50	0,55	0,60	155
	P	0.0065	0.0095	0.010	0.013	0.015	0.017	0.019	0.020	0.022	0.024	510
P3	P	0,16	0,22	0,25	0,32	0,36	0,42	0,46	0,50	0,50	0,55	130
	P	0.0065	0.0085	0.010	0.013	0.014	0.017	0.018	0.020	0.020	0.022	425
P4	P	0,13	0,17	0,19	0,24	0,28	0,30	0,34	0,36	0,38	0,40	180
	P	0.0050	0.0065	0.0075	0.0095	0.011	0.012	0.013	0.014	0.015	0.016	590
P5	P	0,12	0,17	0,19	0,22	0,26	0,30	0,32	0,34	0,36	0,38	175
	P	0.0048	0.0065	0.0075	0.0085	0.010	0.012	0.013	0.013	0.014	0.015	570
P6	P	0,12	0,16	0,19	0,22	0,26	0,30	0,32	0,34	0,36	0,38	195
	P	0.0048	0.0065	0.0075	0.0085	0.010	0.012	0.013	0.013	0.014	0.015	640
P7	P	0,12	0,16	0,19	0,22	0,26	0,30	0,32	0,34	0,36	0,38	185
	P	0.0048	0.0065	0.0075	0.0085	0.010	0.012	0.013	0.013	0.014	0.015	610
P8	P	0,13	0,17	0,19	0,24	0,28	0,32	0,34	0,36	0,38	0,40	175
	P	0.0050	0.0065	0.0075	0.0095	0.011	0.013	0.013	0.014	0.015	0.016	570
P11	P	0,075	0,10	0,11	0,14	0,16	0,18	0,20	0,22	0,24	0,24	90
	P	0.0030	0.0040	0.0044	0.0055	0.0065	0.0070	0.0080	0.0085	0.0095	0.0095	295
M1	P	0,095	0,13	0,15	0,19	0,22	0,25	0,28	0,30	0,30	0,32	50
	P	0.0038	0.0050	0.0060	0.0075	0.0085	0.010	0.011	0.012	0.012	0.013	165
M2	P	0,085	0,12	0,14	0,17	0,20	0,22	0,25	0,26	0,28	0,30	41
	P	0.0034	0.0048	0.0055	0.0065	0.0080	0.0085	0.010	0.010	0.011	0.012	135
M3	P	0,065	0,095	0,11	0,14	0,16	0,18	0,20	0,22	0,22	0,24	31
	P	0.0026	0.0038	0.0044	0.0055	0.0065	0.0070	0.0080	0.0085	0.0085	0.0095	100
M4	P	0,060	0,085	0,095	0,12	0,14	0,16	0,17	0,19	0,20	0,20	24
	P	0.0024	0.0034	0.0038	0.0048	0.0055	0.0065	0.0065	0.0075	0.0080	0.0080	80
M5	P	0,060	0,085	0,095	0,12	0,14	0,16	0,17	0,19	0,20	0,20	20
	P	0.0024	0.0034	0.0038	0.0048	0.0055	0.0065	0.0065	0.0075	0.0080	0.0080	65
K1	P	0,18	0,25	0,28	0,36	0,42	0,48	0,50	0,55	0,60	0,65	150
	P	0.0070	0.010	0.011	0.014	0.017	0.019	0.020	0.022	0.024	0.026	490
K2	P	0,17	0,22	0,26	0,32	0,38	0,42	0,48	0,50	0,55	0,55	130
	P	0.0065	0.0085	0.010	0.013	0.015	0.017	0.019	0.020	0.022	0.022	425
K3	P	0,17	0,22	0,26	0,32	0,38	0,42	0,48	0,50	0,55	0,55	110
	P	0.0065	0.0085	0.010	0.013	0.015	0.017	0.019	0.020	0.022	0.022	360
K4	P	0,17	0,22	0,26	0,32	0,38	0,42	0,48	0,50	0,55	0,55	105
	P	0.0065	0.0085	0.010	0.013	0.015	0.017	0.019	0.020	0.022	0.022	345
K5	P	0,15	0,20	0,24	0,28	0,34	0,38	0,42	0,46	0,48	0,50	60
	P	0.0060	0.0080	0.0095	0.011	0.013	0.015	0.017	0.018	0.019	0.020	195
H3	P	0,070	0,090	0,10	0,12	0,14	0,16	0,18	0,19	0,20	0,20	24
	P	0.0028	0.0036	0.0040	0.0048	0.0055	0.0065	0.0070	0.0075	0.0080	0.0080	80
H5	P	0,10	0,13	0,15	0,18	0,22	0,24	0,26	0,28	0,30	0,32	45
	P	0.0040	0.0050	0.0060	0.0070	0.0085	0.0095	0.010	0.011	0.012	0.013	150
H7	P	0,070	0,090	0,10	0,12	0,14	0,16	0,18	0,19	0,20	0,20	24
	P	0.0028	0.0036	0.0040	0.0048	0.0055	0.0065	0.0070	0.0075	0.0080	0.0080	80
H8	P	0,080	0,10	0,12	0,14	0,16	0,19	0,20	0,22	0,24	0,24	45
	P	0.0032	0.0040	0.0048	0.0055	0.0065	0.0075	0.0080	0.0085	0.0095	0.0095	150
H11	P	0,10	0,13	0,15	0,18	0,22	0,24	0,26	0,28	0,30	0,32	60
	P	0.0040	0.0050	0.0060	0.0070	0.0085	0.0095	0.010	0.011	0.012	0.013	195
H12	P	0,080	0,10	0,12	0,14	0,16	0,19	0,20	0,22	0,24	0,24	65
	P	0.0032	0.0040	0.0048	0.0055	0.0065	0.0075	0.0080	0.0085	0.0095	0.0095	215
H21	P	0,080	0,10	0,12	0,14	0,16	0,19	0,20	0,22	0,24	0,24	45
	P	0.0032	0.0040	0.0048	0.0055	0.0065	0.0075	0.0080	0.0085	0.0095	0.0095	150

SMG = Seco malzeme grubu f = mm/rev (IPR) v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

SD216A – Ø 3-14 mm / 0.118-0.551 inç

SMG		f								v _c
		Ø3,00 Ø 0.118	Ø5,00 Ø 0.197	Ø6,00 Ø 0.236	Ø8,00 Ø 0.315	Ø10,00 Ø 0.394	Ø12,00 Ø 0.472	Ø14,00 Ø 0.551		
P1	P	0,13	0,18	0,20	0,25	0,30	0,32	0,36	125	
	P	0.0050	0.0070	0.0080	0.010	0.012	0.013	0.014	410	
P2	P	0,14	0,18	0,20	0,26	0,30	0,34	0,36	120	
	P	0.0055	0.0070	0.0080	0.010	0.012	0.013	0.014	395	
P3	P	0,13	0,17	0,20	0,24	0,28	0,32	0,34	105	
	P	0.0050	0.0065	0.0080	0.0095	0.011	0.013	0.013	345	
P4	P	0,13	0,17	0,19	0,24	0,28	0,30	0,34	90	
	P	0.0050	0.0065	0.0075	0.0095	0.011	0.012	0.013	295	
P5	P	0,12	0,17	0,19	0,24	0,28	0,30	0,34	85	
	P	0.0048	0.0065	0.0075	0.0095	0.011	0.012	0.013	280	
P6	P	0,12	0,17	0,19	0,24	0,26	0,30	0,32	95	
	P	0.0048	0.0065	0.0075	0.0095	0.010	0.012	0.013	310	
P7	P	0,12	0,17	0,19	0,24	0,26	0,30	0,32	90	
	P	0.0048	0.0065	0.0075	0.0095	0.010	0.012	0.013	295	
P8	P	0,13	0,17	0,20	0,24	0,28	0,32	0,34	85	
	P	0.0050	0.0065	0.0080	0.0095	0.011	0.013	0.013	280	
P11	P	0,12	0,17	0,19	0,24	0,26	0,30	0,32	90	
	P	0.0048	0.0065	0.0075	0.0095	0.010	0.012	0.013	295	
P12	P	0,085	0,11	0,13	0,16	0,18	0,20	0,22	55	
	P	0.0034	0.0044	0.0050	0.0065	0.0070	0.0080	0.0085	180	
M1	P	0,095	0,13	0,15	0,19	0,22	0,25	0,28	65	
	P	0.0038	0.0050	0.0060	0.0075	0.0085	0.010	0.011	215	
M2	P	0,085	0,12	0,14	0,17	0,20	0,22	0,25	55	
	P	0.0034	0.0048	0.0055	0.0065	0.0080	0.0085	0.010	180	
M3	P	0,070	0,095	0,11	0,14	0,16	0,18	0,20	41	
	P	0.0028	0.0038	0.0044	0.0055	0.0065	0.0070	0.0080	135	
M4	P	0,060	0,085	0,095	0,12	0,14	0,16	0,18	31	
	P	0.0024	0.0034	0.0038	0.0048	0.0055	0.0065	0.0070	100	
M5	P	0,060	0,085	0,095	0,12	0,14	0,16	0,18	25	
	P	0.0024	0.0034	0.0038	0.0048	0.0055	0.0065	0.0070	80	
K1	P	0,15	0,22	0,24	0,30	0,36	0,40	0,44	80	
	P	0.0060	0.0085	0.0095	0.012	0.014	0.016	0.017	260	
K2	P	0,14	0,19	0,22	0,28	0,32	0,36	0,40	70	
	P	0.0055	0.0075	0.0085	0.011	0.013	0.014	0.016	230	
K3	P	0,14	0,19	0,22	0,28	0,32	0,36	0,40	60	
	P	0.0055	0.0075	0.0085	0.011	0.013	0.014	0.016	195	
K4	P	0,14	0,19	0,22	0,28	0,32	0,36	0,40	55	
	P	0.0055	0.0075	0.0085	0.011	0.013	0.014	0.016	180	
K5	P	0,12	0,17	0,20	0,25	0,30	0,32	0,36	33	
	P	0.0048	0.0065	0.0080	0.010	0.012	0.013	0.014	110	
N2	P	0,16	0,22	0,26	0,32	0,38	0,42	0,46	135	
	P	0.0065	0.0085	0.010	0.013	0.015	0.017	0.018	445	
N3	P	0,16	0,22	0,26	0,32	0,38	0,42	0,46	90	
	P	0.0065	0.0085	0.010	0.013	0.015	0.017	0.018	295	
H3	P	0,055	0,075	0,085	0,10	0,12	0,14	0,15	22	
	P	0.0022	0.0030	0.0034	0.0040	0.0048	0.0055	0.0060	70	
H5	P	0,085	0,11	0,13	0,16	0,18	0,20	0,22	40	
	P	0.0034	0.0044	0.0050	0.0065	0.0070	0.0080	0.0085	130	
H7	P	0,055	0,075	0,085	0,10	0,12	0,14	0,15	22	
	P	0.0022	0.0030	0.0034	0.0040	0.0048	0.0055	0.0060	70	
H8	P	0,065	0,085	0,10	0,12	0,14	0,16	0,17	40	
	P	0.0026	0.0034	0.0040	0.0048	0.0055	0.0065	0.0065	130	
H11	P	0,085	0,11	0,13	0,16	0,18	0,20	0,22	50	
	P	0.0034	0.0044	0.0050	0.0065	0.0070	0.0080	0.0085	165	
H12	P	0,065	0,085	0,10	0,12	0,14	0,16	0,17	31	
	P	0.0026	0.0034	0.0040	0.0048	0.0055	0.0065	0.0065	100	
H21	P	0,065	0,085	0,10	0,12	0,14	0,16	0,17	40	
	P	0.0026	0.0034	0.0040	0.0048	0.0055	0.0065	0.0065	130	

SMG = Seco malzeme grubu f = mm/rev (IPR) v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

SD230A – Ø 3-12 mm / 0.118-0.472 inç

SMG		f						v _c
		Ø3,00 Ø 0.118	Ø5,00 Ø 0.197	Ø6,00 Ø 0.236	Ø8,00 Ø 0.315	Ø10,00 Ø 0.394	Ø12,00 Ø 0.472	
P1	P	0,13	0,18	0,20	0,25	0,30	0,32	90
	P	0.0050	0.0070	0.0080	0.010	0.012	0.013	295
P2	P	0,14	0,18	0,20	0,26	0,30	0,34	90
	P	0.0055	0.0070	0.0080	0.010	0.012	0.013	295
P3	P	0,13	0,17	0,20	0,24	0,28	0,32	75
	P	0.0050	0.0065	0.0080	0.0095	0.011	0.013	245
P4	P	0,13	0,17	0,19	0,24	0,28	0,30	70
	P	0.0050	0.0065	0.0075	0.0095	0.011	0.012	230
P5	P	0,12	0,17	0,19	0,24	0,28	0,30	65
	P	0.0048	0.0065	0.0075	0.0095	0.011	0.012	215
P6	P	0,12	0,17	0,19	0,24	0,26	0,30	75
	P	0.0048	0.0065	0.0075	0.0095	0.010	0.012	245
P7	P	0,12	0,17	0,19	0,24	0,26	0,30	70
	P	0.0048	0.0065	0.0075	0.0095	0.010	0.012	230
P8	P	0,13	0,17	0,20	0,24	0,28	0,32	65
	P	0.0050	0.0065	0.0080	0.0095	0.011	0.013	215
P11	P	0,12	0,17	0,19	0,24	0,26	0,30	65
	P	0.0048	0.0065	0.0075	0.0095	0.010	0.012	215
P12	P	0,085	0,11	0,13	0,16	0,18	0,20	39
	P	0.0034	0.0044	0.0050	0.0065	0.0070	0.0080	130
M1	P	0,095	0,13	0,15	0,19	0,22	0,25	50
	P	0.0038	0.0050	0.0060	0.0075	0.0085	0.010	165
M2	P	0,085	0,12	0,14	0,17	0,20	0,22	40
	P	0.0034	0.0048	0.0055	0.0065	0.0080	0.0085	130
M3	P	0,070	0,095	0,11	0,14	0,16	0,18	30
	P	0.0028	0.0038	0.0044	0.0055	0.0065	0.0070	100
M4	P	0,060	0,085	0,095	0,12	0,14	0,16	23
	P	0.0024	0.0034	0.0038	0.0048	0.0055	0.0065	75
M5	P	0,060	0,085	0,095	0,12	0,14	0,16	19
	P	0.0024	0.0034	0.0038	0.0048	0.0055	0.0065	60
K1	P	0,15	0,22	0,24	0,30	0,36	0,40	60
	P	0.0060	0.0085	0.0095	0.012	0.014	0.016	195
K2	P	0,14	0,19	0,22	0,28	0,32	0,36	50
	P	0.0055	0.0075	0.0085	0.011	0.013	0.014	165
K3	P	0,14	0,19	0,22	0,28	0,32	0,36	44
	P	0.0055	0.0075	0.0085	0.011	0.013	0.014	145
K4	P	0,14	0,19	0,22	0,28	0,32	0,36	42
	P	0.0055	0.0075	0.0085	0.011	0.013	0.014	140
K5	P	0,12	0,17	0,20	0,25	0,30	0,32	25
	P	0.0048	0.0065	0.0080	0.010	0.012	0.013	80
N2	P	0,16	0,22	0,26	0,32	0,38	0,42	100
	P	0.0065	0.0085	0.010	0.013	0.015	0.017	330
N3	P	0,16	0,22	0,26	0,32	0,38	0,42	65
	P	0.0065	0.0085	0.010	0.013	0.015	0.017	215
H3	P	0,055	0,075	0,085	0,10	0,12	0,14	16
	P	0.0022	0.0030	0.0034	0.0040	0.0048	0.0055	50
H5	P	0,085	0,11	0,13	0,16	0,18	0,20	30
	P	0.0034	0.0044	0.0050	0.0065	0.0070	0.0080	100
H7	P	0,055	0,075	0,085	0,10	0,12	0,14	16
	P	0.0022	0.0030	0.0034	0.0040	0.0048	0.0055	50
H8	P	0,065	0,085	0,10	0,12	0,14	0,16	30
	P	0.0026	0.0034	0.0040	0.0048	0.0055	0.0065	100
H11	P	0,085	0,11	0,13	0,16	0,18	0,20	39
	P	0.0034	0.0044	0.0050	0.0065	0.0070	0.0080	130
H12	P	0,065	0,085	0,10	0,12	0,14	0,16	24
	P	0.0026	0.0034	0.0040	0.0048	0.0055	0.0065	80
H21	P	0,065	0,085	0,10	0,12	0,14	0,16	30
	P	0.0026	0.0034	0.0040	0.0048	0.0055	0.0065	100

SMG = Seco malzeme grubu f = mm/rev (IPR) v_c= sf/dak Tüm kesme verileri başlangıç değerleridir

SD245A – Ø 4-16 mm / 0.157-0.630 inç

SMG		f							v _c
		Ø4,00 Ø 0.157	Ø6,00 Ø 0.236	Ø8,00 Ø 0.315	Ø10,00 Ø 0.394	Ø12,00 Ø 0.472	Ø14,00 Ø 0.551	Ø16,00 Ø 0.630	
P1	P	0,11	0,15	0,19	0,22	0,26	0,28	0,32	185
	P	0.0044	0.0060	0.0075	0.0085	0.010	0.011	0.013	610
P2	P	0,11	0,15	0,19	0,22	0,26	0,30	0,32	180
	P	0.0044	0.0060	0.0075	0.0085	0.010	0.012	0.013	590
P3	P	0,11	0,14	0,18	0,22	0,25	0,28	0,30	155
	P	0.0044	0.0055	0.0070	0.0085	0.010	0.011	0.012	510
P4	P	0,11	0,14	0,18	0,22	0,24	0,26	0,30	135
	P	0.0044	0.0055	0.0070	0.0085	0.0095	0.010	0.012	445
P5	P	0,10	0,14	0,17	0,20	0,24	0,26	0,28	130
	P	0.0040	0.0055	0.0065	0.0080	0.0095	0.010	0.011	425
P6	P	0,10	0,14	0,17	0,20	0,24	0,26	0,28	145
	P	0.0040	0.0055	0.0065	0.0080	0.0095	0.010	0.011	475
P7	P	0,10	0,14	0,17	0,20	0,24	0,26	0,28	140
	P	0.0040	0.0055	0.0065	0.0080	0.0095	0.010	0.011	460
P8	P	0,11	0,14	0,18	0,22	0,25	0,28	0,30	130
	P	0.0044	0.0055	0.0070	0.0085	0.010	0.011	0.012	425
P11	P	0,10	0,14	0,17	0,20	0,24	0,26	0,28	135
	P	0.0040	0.0055	0.0065	0.0080	0.0095	0.010	0.011	445
P12	P	0,070	0,095	0,12	0,14	0,16	0,18	0,20	80
	P	0.0028	0.0038	0.0048	0.0055	0.0065	0.0070	0.0080	260
M1	P	0,11	0,15	0,19	0,22	0,26	0,30	0,32	100
	P	0.0044	0.0060	0.0075	0.0085	0.010	0.012	0.013	330
M2	P	0,10	0,14	0,17	0,20	0,24	0,26	0,28	80
	P	0.0040	0.0055	0.0065	0.0080	0.0095	0.010	0.011	260
K1	P	0,11	0,15	0,19	0,22	0,26	0,30	0,32	120
	P	0.0044	0.0060	0.0075	0.0085	0.010	0.012	0.013	395
K2	P	0,10	0,14	0,17	0,20	0,24	0,26	0,28	105
	P	0.0040	0.0055	0.0065	0.0080	0.0095	0.010	0.011	345
K3	P	0,10	0,14	0,17	0,20	0,24	0,26	0,28	90
	P	0.0040	0.0055	0.0065	0.0080	0.0095	0.010	0.011	295
K4	P	0,10	0,14	0,17	0,20	0,24	0,26	0,28	85
	P	0.0040	0.0055	0.0065	0.0080	0.0095	0.010	0.011	280
K5	P	0,095	0,12	0,16	0,19	0,22	0,24	0,26	50
	P	0.0038	0.0048	0.0065	0.0075	0.0085	0.0095	0.010	165
N2	P	0,14	0,19	0,24	0,28	0,34	0,38	0,40	200
	P	0.0055	0.0075	0.0095	0.011	0.013	0.015	0.016	660
N3	P	0,14	0,19	0,24	0,28	0,34	0,38	0,40	135
	P	0.0055	0.0075	0.0095	0.011	0.013	0.015	0.016	445
N11	P	0,14	0,19	0,24	0,28	0,34	0,38	0,40	255
	P	0.0055	0.0075	0.0095	0.011	0.013	0.015	0.016	840

SMG = Seco malzeme grubu f = mm/rev (IPR) v_c= sf/dak Tüm kesme verileri başlangıç değerleridir

SD265A – Ø 4-16 mm / 0.157-0.630 inç

SMG		f							V _c
		Ø4,00 Ø 0.157	Ø6,00 Ø 0.236	Ø8,00 Ø 0.315	Ø10,00 Ø 0.394	Ø12,00 Ø 0.472	Ø14,00 Ø 0.551	Ø16,00 Ø 0.630	
P1	P	0,12	0,16	0,20	0,24	0,28	0,30	0,34	180
	P	0.0048	0.0065	0.0080	0.0095	0.011	0.012	0.013	590
P2	P	0,12	0,16	0,20	0,24	0,28	0,30	0,34	175
	P	0.0048	0.0065	0.0080	0.0095	0.011	0.012	0.013	570
P3	P	0,11	0,15	0,19	0,22	0,26	0,30	0,32	150
	P	0.0044	0.0060	0.0075	0.0085	0.010	0.012	0.013	490
P4	P	0,11	0,15	0,19	0,22	0,26	0,28	0,32	135
	P	0.0044	0.0060	0.0075	0.0085	0.010	0.011	0.013	445
P5	P	0,11	0,15	0,18	0,22	0,25	0,28	0,30	130
	P	0.0044	0.0060	0.0070	0.0085	0.010	0.011	0.012	425
P6	P	0,11	0,15	0,18	0,22	0,25	0,28	0,30	145
	P	0.0044	0.0060	0.0070	0.0085	0.010	0.011	0.012	475
P7	P	0,11	0,15	0,18	0,22	0,25	0,28	0,30	135
	P	0.0044	0.0060	0.0070	0.0085	0.010	0.011	0.012	445
P8	P	0,11	0,15	0,19	0,22	0,26	0,30	0,32	130
	P	0.0044	0.0060	0.0075	0.0085	0.010	0.012	0.013	425
P11	P	0,11	0,15	0,18	0,22	0,25	0,28	0,30	130
	P	0.0044	0.0060	0.0070	0.0085	0.010	0.011	0.012	425
P12	P	0,075	0,10	0,12	0,15	0,17	0,19	0,20	80
	P	0.0030	0.0040	0.0048	0.0060	0.0065	0.0075	0.0080	260
M1	P	0,12	0,16	0,20	0,24	0,28	0,30	0,34	100
	P	0.0048	0.0065	0.0080	0.0095	0.011	0.012	0.013	330
M2	P	0,11	0,15	0,18	0,22	0,25	0,28	0,30	80
	P	0.0044	0.0060	0.0070	0.0085	0.010	0.011	0.012	260
K1	P	0,12	0,16	0,20	0,24	0,28	0,30	0,34	120
	P	0.0048	0.0065	0.0080	0.0095	0.011	0.012	0.013	395
K2	P	0,11	0,15	0,18	0,22	0,25	0,28	0,30	100
	P	0.0044	0.0060	0.0070	0.0085	0.010	0.011	0.012	330
K3	P	0,11	0,15	0,18	0,22	0,25	0,28	0,30	85
	P	0.0044	0.0060	0.0070	0.0085	0.010	0.011	0.012	280
K4	P	0,11	0,15	0,18	0,22	0,25	0,28	0,30	85
	P	0.0044	0.0060	0.0070	0.0085	0.010	0.011	0.012	280
K5	P	0,10	0,13	0,17	0,20	0,22	0,25	0,28	49
	P	0.0040	0.0050	0.0065	0.0080	0.0085	0.010	0.011	160
N2	P	0,15	0,20	0,26	0,30	0,36	0,40	0,42	195
	P	0.0060	0.0080	0.010	0.012	0.014	0.016	0.017	640
N3	P	0,15	0,20	0,26	0,30	0,36	0,40	0,42	130
	P	0.0060	0.0080	0.010	0.012	0.014	0.016	0.017	425
N11	P	0,15	0,20	0,26	0,30	0,36	0,40	0,42	250
	P	0.0060	0.0080	0.010	0.012	0.014	0.016	0.017	820

SMG = Seco malzeme grubu f = mm/rev (IPR) v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

SD203A -MS Ø 2-8 mm / 0.079-0.315 inç

SMG		f						V _c
		Ø2,00 Ø 0.079	Ø3,00 Ø 0.118	Ø4,00 Ø 0.157	Ø5,00 Ø 0.197	Ø6,00 Ø 0.236	Ø8,00 Ø 0.315	
P11	MS	0,060	0,080	0,10	0,12	0,14	0,18	90
	MS	0.0024	0.0032	0.0040	0.0048	0.0055	0.0070	295
P12	MS	0,060	0,070	0,080	0,090	0,10	0,12	65
	MS	0.0024	0.0028	0.0032	0.0036	0.0040	0.0048	215
M1	MS	0,075	0,095	0,11	0,13	0,15	0,19	110
	MS	0.0030	0.0038	0.0044	0.0050	0.0060	0.0075	360
M2	MS	0,065	0,085	0,10	0,12	0,14	0,17	90
	MS	0.0026	0.0034	0.0040	0.0048	0.0055	0.0065	295
M3	MS	0,095	0,11	0,13	0,15	0,17	0,20	45
	MS	0.0038	0.0044	0.0050	0.0060	0.0065	0.0080	150
M4	MS	0,048	0,060	0,070	0,085	0,095	0,12	50
	MS	0.0019	0.0024	0.0028	0.0034	0.0038	0.0048	165
M5	MS	0,048	0,060	0,070	0,085	0,095	0,12	42
	MS	0.0019	0.0024	0.0028	0.0034	0.0038	0.0048	140
N1	MS	0,13	0,16	0,19	0,22	0,26	0,32	345
	MS	0.0050	0.0065	0.0075	0.0085	0.010	0.013	1125
N2	MS	0,13	0,16	0,19	0,22	0,26	0,32	225
	MS	0.0050	0.0065	0.0075	0.0085	0.010	0.013	740
N3	MS	0,13	0,16	0,19	0,22	0,26	0,32	150
	MS	0.0050	0.0065	0.0075	0.0085	0.010	0.013	490
N11	MS	0,13	0,16	0,19	0,22	0,26	0,32	285
	MS	0.0050	0.0065	0.0075	0.0085	0.010	0.013	940
S1	MS	0,040	0,048	0,055	0,065	0,075	0,095	39
	MS	0.0016	0.0019	0.0022	0.0026	0.0030	0.0038	130
S2	MS	0,040	0,048	0,055	0,065	0,075	0,095	28
	MS	0.0016	0.0019	0.0022	0.0026	0.0030	0.0038	90
S3	MS	0,040	0,048	0,055	0,065	0,075	0,095	28
	MS	0.0016	0.0019	0.0022	0.0026	0.0030	0.0038	90
S11	MS	0,070	0,085	0,095	0,11	0,12	0,14	70
	MS	0.0028	0.0034	0.0038	0.0044	0.0048	0.0055	230
S12	MS	0,070	0,085	0,095	0,11	0,12	0,14	55
	MS	0.0028	0.0034	0.0038	0.0044	0.0048	0.0055	180
S13	MS	0,065	0,075	0,085	0,095	0,10	0,12	43
	MS	0.0026	0.0030	0.0034	0.0038	0.0040	0.0048	140
H3	MS	0,046	0,055	0,065	0,075	0,085	0,10	36
	MS	0.0018	0.0022	0.0026	0.0030	0.0034	0.0040	120
H5	MS	0,070	0,085	0,10	0,11	0,13	0,16	65
	MS	0.0028	0.0034	0.0040	0.0044	0.0050	0.0065	215
H7	MS	0,046	0,055	0,065	0,075	0,085	0,10	36
	MS	0.0018	0.0022	0.0026	0.0030	0.0034	0.0040	120
H8	MS	0,055	0,065	0,075	0,085	0,095	0,12	65
	MS	0.0022	0.0026	0.0030	0.0034	0.0038	0.0048	215
H11	MS	0,070	0,085	0,10	0,11	0,13	0,16	85
	MS	0.0028	0.0034	0.0040	0.0044	0.0050	0.0065	280
H12	MS	0,055	0,065	0,075	0,085	0,095	0,12	80
	MS	0.0022	0.0026	0.0030	0.0034	0.0038	0.0048	260
H21	MS	0,055	0,065	0,075	0,085	0,095	0,12	65
	MS	0.0022	0.0026	0.0030	0.0034	0.0038	0.0048	215

SMG = Seco malzeme grubu f = mm/rev (IPR) v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

SD203A -MS Ø 10-20 mm / 0.394-0.787 inç

SMG		f						v _c
		Ø10,00 Ø 0.394	Ø12,00 Ø 0.472	Ø14,00 Ø 0.551	Ø16,00 Ø 0.630	Ø18,00 Ø 0.709	Ø20,00 Ø 0.787	
P11	MS	0,22	0,24	0,26	0,30	0,30	0,32	90
	MS	0.0085	0.0095	0.010	0.012	0.012	0.013	295
P12	MS	0,14	0,15	0,16	0,18	0,18	0,19	65
	MS	0.0055	0.0060	0.0065	0.0070	0.0070	0.0075	215
M1	MS	0,22	0,25	0,28	0,30	0,30	0,32	110
	MS	0.0085	0.010	0.011	0.012	0.012	0.013	360
M2	MS	0,20	0,22	0,25	0,26	0,28	0,30	90
	MS	0.0080	0.0085	0.010	0.010	0.011	0.012	295
M3	MS	0,24	0,26	0,28	0,30	0,32	0,34	45
	MS	0.0095	0.010	0.011	0.012	0.013	0.013	150
M4	MS	0,14	0,16	0,17	0,19	0,20	0,20	50
	MS	0.0055	0.0065	0.0065	0.0075	0.0080	0.0080	165
M5	MS	0,14	0,16	0,17	0,19	0,20	0,20	42
	MS	0.0055	0.0065	0.0065	0.0075	0.0080	0.0080	140
N1	MS	0,38	0,42	0,46	0,50	0,55	0,55	345
	MS	0.015	0.017	0.018	0.020	0.022	0.022	1125
N2	MS	0,38	0,42	0,46	0,50	0,55	0,55	225
	MS	0.015	0.017	0.018	0.020	0.022	0.022	740
N3	MS	0,38	0,42	0,46	0,50	0,55	0,55	150
	MS	0.015	0.017	0.018	0.020	0.022	0.022	490
N11	MS	0,38	0,42	0,46	0,50	0,55	0,55	285
	MS	0.015	0.017	0.018	0.020	0.022	0.022	940
S1	MS	0,11	0,13	0,15	0,16	0,17	0,19	39
	MS	0.0044	0.0050	0.0060	0.0065	0.0065	0.0075	130
S2	MS	0,11	0,13	0,15	0,16	0,17	0,19	28
	MS	0.0044	0.0050	0.0060	0.0065	0.0065	0.0075	90
S3	MS	0,11	0,13	0,15	0,16	0,17	0,19	28
	MS	0.0044	0.0050	0.0060	0.0065	0.0065	0.0075	90
S11	MS	0,17	0,19	0,22	0,24	0,25	0,26	70
	MS	0.0065	0.0075	0.0085	0.0095	0.010	0.010	230
S12	MS	0,17	0,19	0,22	0,24	0,25	0,26	55
	MS	0.0065	0.0075	0.0085	0.0095	0.010	0.010	180
S13	MS	0,15	0,17	0,19	0,20	0,22	0,22	43
	MS	0.0060	0.0065	0.0075	0.0080	0.0085	0.0085	140
H3	MS	0,12	0,13	0,15	0,16	0,17	0,17	36
	MS	0.0048	0.0050	0.0060	0.0065	0.0065	0.0065	120
H5	MS	0,18	0,20	0,22	0,24	0,25	0,26	65
	MS	0.0070	0.0080	0.0085	0.0095	0.010	0.010	215
H7	MS	0,12	0,13	0,15	0,16	0,17	0,17	36
	MS	0.0048	0.0050	0.0060	0.0065	0.0065	0.0065	120
H8	MS	0,14	0,16	0,17	0,18	0,19	0,20	65
	MS	0.0055	0.0065	0.0065	0.0070	0.0075	0.0080	215
H11	MS	0,18	0,20	0,22	0,24	0,25	0,26	85
	MS	0.0070	0.0080	0.0085	0.0095	0.010	0.010	280
H12	MS	0,14	0,16	0,17	0,18	0,19	0,20	80
	MS	0.0055	0.0065	0.0065	0.0070	0.0075	0.0080	260
H21	MS	0,14	0,16	0,17	0,18	0,19	0,20	65
	MS	0.0055	0.0065	0.0065	0.0070	0.0075	0.0080	215

SMG = Seco malzeme grubu f = mm/rev (IPR) v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

SD205A -MS Ø 2-8 mm / 0.079-0.315 inç

SMG		f						V _c
		Ø2,00 Ø 0.079	Ø3,00 Ø 0.118	Ø4,00 Ø 0.157	Ø5,00 Ø 0.197	Ø6,00 Ø 0.236	Ø8,00 Ø 0.315	
P11	MS	0,060	0,080	0,10	0,12	0,14	0,18	80
	MS	0.0024	0.0032	0.0040	0.0048	0.0055	0.0070	260
P12	MS	0,060	0,070	0,080	0,090	0,10	0,12	60
	MS	0.0024	0.0028	0.0032	0.0036	0.0040	0.0048	195
M1	MS	0,075	0,095	0,11	0,13	0,15	0,19	100
	MS	0.0030	0.0038	0.0044	0.0050	0.0060	0.0075	330
M2	MS	0,065	0,085	0,10	0,12	0,14	0,17	80
	MS	0.0026	0.0034	0.0040	0.0048	0.0055	0.0065	260
M3	MS	0,095	0,11	0,13	0,15	0,17	0,20	40
	MS	0.0038	0.0044	0.0050	0.0060	0.0065	0.0080	130
M4	MS	0,048	0,060	0,070	0,085	0,095	0,12	46
	MS	0.0019	0.0024	0.0028	0.0034	0.0038	0.0048	150
M5	MS	0,048	0,060	0,070	0,085	0,095	0,12	38
	MS	0.0019	0.0024	0.0028	0.0034	0.0038	0.0048	125
N1	MS	0,13	0,16	0,19	0,22	0,26	0,32	310
	MS	0.0050	0.0065	0.0075	0.0085	0.010	0.013	1025
N2	MS	0,13	0,16	0,19	0,22	0,26	0,32	200
	MS	0.0050	0.0065	0.0075	0.0085	0.010	0.013	660
N3	MS	0,13	0,16	0,19	0,22	0,26	0,32	135
	MS	0.0050	0.0065	0.0075	0.0085	0.010	0.013	445
N11	MS	0,13	0,16	0,19	0,22	0,26	0,32	255
	MS	0.0050	0.0065	0.0075	0.0085	0.010	0.013	840
S1	MS	0,040	0,048	0,055	0,065	0,075	0,095	35
	MS	0.0016	0.0019	0.0022	0.0026	0.0030	0.0038	115
S2	MS	0,040	0,048	0,055	0,065	0,075	0,095	25
	MS	0.0016	0.0019	0.0022	0.0026	0.0030	0.0038	80
S3	MS	0,040	0,048	0,055	0,065	0,075	0,095	25
	MS	0.0016	0.0019	0.0022	0.0026	0.0030	0.0038	80
S11	MS	0,020	0,030	0,040	0,050	0,060	0,080	45
	MS	0.00080	0.0012	0.0016	0.0020	0.0024	0.0032	150
S12	MS	0,020	0,030	0,040	0,050	0,060	0,080	35
	MS	0.00080	0.0012	0.0016	0.0020	0.0024	0.0032	115
S13	MS	0,017	0,026	0,035	0,044	0,050	0,070	27
	MS	0.00068	0.0010	0.0014	0.0018	0.0020	0.0028	90
H3	MS	0,046	0,055	0,065	0,075	0,085	0,10	33
	MS	0.0018	0.0022	0.0026	0.0030	0.0034	0.0040	110
H5	MS	0,070	0,085	0,10	0,11	0,13	0,16	60
	MS	0.0028	0.0034	0.0040	0.0044	0.0050	0.0065	195
H7	MS	0,046	0,055	0,065	0,075	0,085	0,10	33
	MS	0.0018	0.0022	0.0026	0.0030	0.0034	0.0040	110
H8	MS	0,055	0,065	0,075	0,085	0,095	0,12	60
	MS	0.0022	0.0026	0.0030	0.0034	0.0038	0.0048	195
H11	MS	0,070	0,085	0,10	0,11	0,13	0,16	75
	MS	0.0028	0.0034	0.0040	0.0044	0.0050	0.0065	245
H12	MS	0,055	0,065	0,075	0,085	0,095	0,12	70
	MS	0.0022	0.0026	0.0030	0.0034	0.0038	0.0048	230
H21	MS	0,055	0,065	0,075	0,085	0,095	0,12	60
	MS	0.0022	0.0026	0.0030	0.0034	0.0038	0.0048	195

SMG = Seco malzeme grubu f = mm/rev (IPR) v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

SD205A -MS Ø 10-20 mm / 0.394-0.787 inç

SMG		f						v _c
		Ø10,00 Ø 0.394	Ø12,00 Ø 0.472	Ø14,00 Ø 0.551	Ø16,00 Ø 0.630	Ø18,00 Ø 0.709	Ø20,00 Ø 0.787	
P11	MS	0,22	0,24	0,26	0,30	0,30	0,32	80
	MS	0.0085	0.0095	0.010	0.012	0.012	0.013	260
P12	MS	0,14	0,15	0,16	0,18	0,18	0,19	60
	MS	0.0055	0.0060	0.0065	0.0070	0.0070	0.0075	195
M1	MS	0,22	0,25	0,28	0,30	0,30	0,32	100
	MS	0.0085	0.010	0.011	0.012	0.012	0.013	330
M2	MS	0,20	0,22	0,25	0,26	0,28	0,30	80
	MS	0.0080	0.0085	0.010	0.010	0.011	0.012	260
M3	MS	0,24	0,26	0,28	0,30	0,32	0,34	40
	MS	0.0095	0.010	0.011	0.012	0.013	0.013	130
M4	MS	0,14	0,16	0,17	0,19	0,20	0,20	46
	MS	0.0055	0.0065	0.0065	0.0075	0.0080	0.0080	150
M5	MS	0,14	0,16	0,17	0,19	0,20	0,20	38
	MS	0.0055	0.0065	0.0065	0.0075	0.0080	0.0080	125
N1	MS	0,38	0,42	0,46	0,50	0,55	0,55	310
	MS	0.015	0.017	0.018	0.020	0.022	0.022	1025
N2	MS	0,38	0,42	0,46	0,50	0,55	0,55	200
	MS	0.015	0.017	0.018	0.020	0.022	0.022	660
N3	MS	0,38	0,42	0,46	0,50	0,55	0,55	135
	MS	0.015	0.017	0.018	0.020	0.022	0.022	445
N11	MS	0,38	0,42	0,46	0,50	0,55	0,55	255
	MS	0.015	0.017	0.018	0.020	0.022	0.022	840
S1	MS	0,11	0,13	0,15	0,16	0,17	0,19	35
	MS	0.0044	0.0050	0.0060	0.0065	0.0065	0.0075	115
S2	MS	0,11	0,13	0,15	0,16	0,17	0,19	25
	MS	0.0044	0.0050	0.0060	0.0065	0.0065	0.0075	80
S3	MS	0,11	0,13	0,15	0,16	0,17	0,19	25
	MS	0.0044	0.0050	0.0060	0.0065	0.0065	0.0075	80
S11	MS	0,10	0,12	0,14	0,16	0,18	0,20	45
	MS	0.0040	0.0048	0.0055	0.0065	0.0070	0.0080	150
S12	MS	0,10	0,12	0,14	0,16	0,18	0,20	35
	MS	0.0040	0.0048	0.0055	0.0065	0.0070	0.0080	115
S13	MS	0,085	0,11	0,12	0,14	0,16	0,17	27
	MS	0.0034	0.0044	0.0048	0.0055	0.0065	0.0070	90
H3	MS	0,12	0,13	0,15	0,16	0,17	0,17	33
	MS	0.0048	0.0050	0.0060	0.0065	0.0065	0.0065	110
H5	MS	0,18	0,20	0,22	0,24	0,25	0,26	60
	MS	0.0070	0.0080	0.0085	0.0095	0.010	0.010	195
H7	MS	0,12	0,13	0,15	0,16	0,17	0,17	33
	MS	0.0048	0.0050	0.0060	0.0065	0.0065	0.0065	110
H8	MS	0,14	0,16	0,17	0,18	0,19	0,20	60
	MS	0.0055	0.0065	0.0065	0.0070	0.0075	0.0080	195
H11	MS	0,18	0,20	0,22	0,24	0,25	0,26	75
	MS	0.0070	0.0080	0.0085	0.0095	0.010	0.010	245
H12	MS	0,14	0,16	0,17	0,18	0,19	0,20	70
	MS	0.0055	0.0065	0.0065	0.0070	0.0075	0.0080	230
H21	MS	0,14	0,16	0,17	0,18	0,19	0,20	60
	MS	0.0055	0.0065	0.0065	0.0070	0.0075	0.0080	195

SMG = Seco malzeme grubu f = mm/rev (IPR) v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

SD203A – Ø 2-8 mm / 0.079-0.315 inç

SMG		f						V _c
		Ø2,00 Ø 0.079	Ø3,00 Ø 0.118	Ø4,00 Ø 0.157	Ø5,00 Ø 0.197	Ø6,00 Ø 0.236	Ø8,00 Ø 0.315	
P11	M	0,060	0,075	0,085	0,10	0,11	0,14	150
	M	0.0024	0.0030	0.0034	0.0040	0.0044	0.0055	490
P12	M	0,060	0,075	0,085	0,10	0,11	0,14	90
	M	0.0024	0.0030	0.0034	0.0040	0.0044	0.0055	295
M1	M	0,075	0,095	0,11	0,13	0,15	0,19	110
	M	0.0030	0.0038	0.0044	0.0050	0.0060	0.0075	360
M2	M	0,065	0,085	0,10	0,12	0,14	0,17	90
	M	0.0026	0.0034	0.0040	0.0048	0.0055	0.0065	295
M3	M	0,055	0,065	0,080	0,095	0,11	0,14	70
	M	0.0022	0.0026	0.0032	0.0038	0.0044	0.0055	230
M4	M	0,048	0,060	0,070	0,085	0,095	0,12	50
	M	0.0019	0.0024	0.0028	0.0034	0.0038	0.0048	165
M5	M	0,048	0,060	0,070	0,085	0,095	0,12	42
	M	0.0019	0.0024	0.0028	0.0034	0.0038	0.0048	140
N1	M	0,13	0,16	0,19	0,22	0,26	0,32	345
	M	0.0050	0.0065	0.0075	0.0085	0.010	0.013	1125
N2	M	0,13	0,16	0,19	0,22	0,26	0,32	225
	M	0.0050	0.0065	0.0075	0.0085	0.010	0.013	740
N3	M	0,13	0,16	0,19	0,22	0,26	0,32	150
	M	0.0050	0.0065	0.0075	0.0085	0.010	0.013	490
N11	M	0,13	0,16	0,19	0,22	0,26	0,32	285
	M	0.0050	0.0065	0.0075	0.0085	0.010	0.013	940
S1	M	0,040	0,048	0,055	0,065	0,075	0,095	39
	M	0.0016	0.0019	0.0022	0.0026	0.0030	0.0038	130
S2	M	0,040	0,048	0,055	0,065	0,075	0,095	28
	M	0.0016	0.0019	0.0022	0.0026	0.0030	0.0038	90
S3	M	0,040	0,048	0,055	0,065	0,075	0,095	28
	M	0.0016	0.0019	0.0022	0.0026	0.0030	0.0038	90
S11	M	0,070	0,085	0,095	0,11	0,12	0,14	70
	M	0.0028	0.0034	0.0038	0.0044	0.0048	0.0055	230
S12	M	0,070	0,085	0,095	0,11	0,12	0,14	55
	M	0.0028	0.0034	0.0038	0.0044	0.0048	0.0055	180
S13	M	0,065	0,075	0,085	0,095	0,10	0,12	43
	M	0.0026	0.0030	0.0034	0.0038	0.0040	0.0048	140

SMG = Seco malzeme grubu f = mm/rev (IPR) v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

8xD ve 12xD ile paslanmaz çelikte delik açarken bir ön delme işlemi gerekebilir

SD203A – Ø 10-20 mm / 0.394-0.787 inç

SMG		f						v _c
		Ø10,00 Ø 0.394	Ø12,00 Ø 0.472	Ø14,00 Ø 0.551	Ø16,00 Ø 0.630	Ø18,00 Ø 0.709	Ø20,00 Ø 0.787	
P11	M	0,16	0,18	0,20	0,22	0,24	0,24	150
	M	0.0065	0.0070	0.0080	0.0085	0.0095	0.0095	490
P12	M	0,16	0,18	0,20	0,22	0,24	0,24	90
	M	0.0065	0.0070	0.0080	0.0085	0.0095	0.0095	295
M1	M	0,22	0,25	0,28	0,30	0,30	0,32	110
	M	0.0085	0.010	0.011	0.012	0.012	0.013	360
M2	M	0,20	0,22	0,25	0,26	0,28	0,30	90
	M	0.0080	0.0085	0.010	0.010	0.011	0.012	295
M3	M	0,16	0,18	0,20	0,22	0,22	0,24	70
	M	0.0065	0.0070	0.0080	0.0085	0.0085	0.0095	230
M4	M	0,14	0,16	0,17	0,19	0,20	0,20	50
	M	0.0055	0.0065	0.0065	0.0075	0.0080	0.0080	165
M5	M	0,14	0,16	0,17	0,19	0,20	0,20	42
	M	0.0055	0.0065	0.0065	0.0075	0.0080	0.0080	140
N1	M	0,38	0,42	0,46	0,50	0,55	0,55	345
	M	0.015	0.017	0.018	0.020	0.022	0.022	1125
N2	M	0,38	0,42	0,46	0,50	0,55	0,55	225
	M	0.015	0.017	0.018	0.020	0.022	0.022	740
N3	M	0,38	0,42	0,46	0,50	0,55	0,55	150
	M	0.015	0.017	0.018	0.020	0.022	0.022	490
N11	M	0,38	0,42	0,46	0,50	0,55	0,55	285
	M	0.015	0.017	0.018	0.020	0.022	0.022	940
S1	M	0,11	0,13	0,15	0,16	0,17	0,19	39
	M	0.0044	0.0050	0.0060	0.0065	0.0065	0.0075	130
S2	M	0,11	0,13	0,15	0,16	0,17	0,19	28
	M	0.0044	0.0050	0.0060	0.0065	0.0065	0.0075	90
S3	M	0,11	0,13	0,15	0,16	0,17	0,19	28
	M	0.0044	0.0050	0.0060	0.0065	0.0065	0.0075	90
S11	M	0,17	0,19	0,22	0,24	0,25	0,26	70
	M	0.0065	0.0075	0.0085	0.0095	0.010	0.010	230
S12	M	0,17	0,19	0,22	0,24	0,25	0,26	55
	M	0.0065	0.0075	0.0085	0.0095	0.010	0.010	180
S13	M	0,15	0,17	0,19	0,20	0,22	0,22	43
	M	0.0060	0.0065	0.0075	0.0080	0.0085	0.0085	140

SMG = Seco malzeme grubu f = mm/rev (IPR) v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

8xD ve 12xD ile paslanmaz çelikte delik açarken bir ön delme işlemi gerekebilir

SD205A – Ø 2-8 mm / 0.079-0.315 inç

SMG		f						V _c
		Ø2,00 Ø 0.079	Ø3,00 Ø 0.118	Ø4,00 Ø 0.157	Ø5,00 Ø 0.197	Ø6,00 Ø 0.236	Ø8,00 Ø 0.315	
P11	M	0,060	0,075	0,085	0,10	0,11	0,14	150
	M	0.0024	0.0030	0.0034	0.0040	0.0044	0.0055	490
P12	M	0,060	0,075	0,085	0,10	0,11	0,14	90
	M	0.0024	0.0030	0.0034	0.0040	0.0044	0.0055	295
M1	M	0,075	0,095	0,11	0,13	0,15	0,19	110
	M	0.0030	0.0038	0.0044	0.0050	0.0060	0.0075	360
M2	M	0,065	0,085	0,10	0,12	0,14	0,17	90
	M	0.0026	0.0034	0.0040	0.0048	0.0055	0.0065	295
M3	M	0,055	0,065	0,080	0,095	0,11	0,14	70
	M	0.0022	0.0026	0.0032	0.0038	0.0044	0.0055	230
M4	M	0,048	0,060	0,070	0,085	0,095	0,12	50
	M	0.0019	0.0024	0.0028	0.0034	0.0038	0.0048	165
M5	M	0,048	0,060	0,070	0,085	0,095	0,12	42
	M	0.0019	0.0024	0.0028	0.0034	0.0038	0.0048	140
N1	M	0,13	0,16	0,19	0,22	0,26	0,32	345
	M	0.0050	0.0065	0.0075	0.0085	0.010	0.013	1125
N2	M	0,13	0,16	0,19	0,22	0,26	0,32	225
	M	0.0050	0.0065	0.0075	0.0085	0.010	0.013	740
N3	M	0,13	0,16	0,19	0,22	0,26	0,32	150
	M	0.0050	0.0065	0.0075	0.0085	0.010	0.013	490
N11	M	0,13	0,16	0,19	0,22	0,26	0,32	285
	M	0.0050	0.0065	0.0075	0.0085	0.010	0.013	940
S1	M	0,040	0,048	0,055	0,065	0,075	0,095	39
	M	0.0016	0.0019	0.0022	0.0026	0.0030	0.0038	130
S2	M	0,040	0,048	0,055	0,065	0,075	0,095	28
	M	0.0016	0.0019	0.0022	0.0026	0.0030	0.0038	90
S3	M	0,040	0,048	0,055	0,065	0,075	0,095	28
	M	0.0016	0.0019	0.0022	0.0026	0.0030	0.0038	90
S11	M	0,070	0,085	0,095	0,11	0,12	0,14	70
	M	0.0028	0.0034	0.0038	0.0044	0.0048	0.0055	230
S12	M	0,070	0,085	0,095	0,11	0,12	0,14	55
	M	0.0028	0.0034	0.0038	0.0044	0.0048	0.0055	180
S13	M	0,065	0,075	0,085	0,095	0,10	0,12	43
	M	0.0026	0.0030	0.0034	0.0038	0.0040	0.0048	140

SMG = Seco malzeme grubu f = mm/rev (IPR) v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

8xD ve 12xD ile paslanmaz çelikte delik açarken bir ön delme işlemi gerekebilir

SD205A – Ø 10-20 mm / 0.394-0.787 inç

SMG		f						v _c
		Ø10,00 Ø 0.394	Ø12,00 Ø 0.472	Ø14,00 Ø 0.551	Ø16,00 Ø 0.630	Ø18,00 Ø 0.709	Ø20,00 Ø 0.787	
P11	M	0,16	0,18	0,20	0,22	0,24	0,24	150
	M	0.0065	0.0070	0.0080	0.0085	0.0095	0.0095	490
P12	M	0,16	0,18	0,20	0,22	0,24	0,24	90
	M	0.0065	0.0070	0.0080	0.0085	0.0095	0.0095	295
M1	M	0,22	0,25	0,28	0,30	0,30	0,32	110
	M	0.0085	0.010	0.011	0.012	0.012	0.013	360
M2	M	0,20	0,22	0,25	0,26	0,28	0,30	90
	M	0.0080	0.0085	0.010	0.010	0.011	0.012	295
M3	M	0,16	0,18	0,20	0,22	0,22	0,24	70
	M	0.0065	0.0070	0.0080	0.0085	0.0085	0.0095	230
M4	M	0,14	0,16	0,17	0,19	0,20	0,20	50
	M	0.0055	0.0065	0.0065	0.0075	0.0080	0.0080	165
M5	M	0,14	0,16	0,17	0,19	0,20	0,20	42
	M	0.0055	0.0065	0.0065	0.0075	0.0080	0.0080	140
N1	M	0,38	0,42	0,46	0,50	0,55	0,55	345
	M	0.015	0.017	0.018	0.020	0.022	0.022	1125
N2	M	0,38	0,42	0,46	0,50	0,55	0,55	225
	M	0.015	0.017	0.018	0.020	0.022	0.022	740
N3	M	0,38	0,42	0,46	0,50	0,55	0,55	150
	M	0.015	0.017	0.018	0.020	0.022	0.022	490
N11	M	0,38	0,42	0,46	0,50	0,55	0,55	285
	M	0.015	0.017	0.018	0.020	0.022	0.022	940
S1	M	0,11	0,13	0,15	0,16	0,17	0,19	39
	M	0.0044	0.0050	0.0060	0.0065	0.0065	0.0075	130
S2	M	0,11	0,13	0,15	0,16	0,17	0,19	28
	M	0.0044	0.0050	0.0060	0.0065	0.0065	0.0075	90
S3	M	0,11	0,13	0,15	0,16	0,17	0,19	28
	M	0.0044	0.0050	0.0060	0.0065	0.0065	0.0075	90
S11	M	0,17	0,19	0,22	0,24	0,25	0,26	70
	M	0.0065	0.0075	0.0085	0.0095	0.010	0.010	230
S12	M	0,17	0,19	0,22	0,24	0,25	0,26	55
	M	0.0065	0.0075	0.0085	0.0095	0.010	0.010	180
S13	M	0,15	0,17	0,19	0,20	0,22	0,22	43
	M	0.0060	0.0065	0.0075	0.0080	0.0085	0.0085	140

SMG = Seco malzeme grubu f = mm/rev (IPR) v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

8xD ve 12xD ile paslanmaz çelikte delik açarken bir ön delme işlemi gerekebilir

SD205A-C1 – Ø 3-13 mm / 0.118-0.512 inç

SMG		f						V _c
		Ø3,00 Ø 0.118	Ø5,00 Ø 0.197	Ø7,00 Ø 0.276	Ø9,00 Ø 0.354	Ø11,00 Ø 0.433	Ø13,00 Ø 0.512	
TS2	C1	0,060	0,060	0,065	0,070	0,075	0,080	65
	C1	0.0024	0.0024	0.0026	0.0028	0.0030	0.0032	215
TS3	C1	0,060	0,060	0,065	0,070	0,075	0,080	50
	C1	0.0024	0.0024	0.0026	0.0028	0.0030	0.0032	165
TP2	C1	0,060	0,060	0,065	0,070	0,075	0,080	65
	C1	0.0024	0.0024	0.0026	0.0028	0.0030	0.0032	215
TP3	C1	0,060	0,060	0,065	0,070	0,075	0,080	50
	C1	0.0024	0.0024	0.0026	0.0028	0.0030	0.0032	165

SD205A-C2 – Ø 3-13 mm / 0.118-0.512 inç

SMG		f						V _c
		Ø3,00 Ø 0.118	Ø5,00 Ø 0.197	Ø7,00 Ø 0.276	Ø9,00 Ø 0.354	Ø11,00 Ø 0.433	Ø13,00 Ø 0.512	
N1	C2	0,095	0,10	0,11	0,12	0,13	0,14	80
	C2	0.0038	0.0040	0.0044	0.0048	0.0050	0.0055	260
N2	C2	0,095	0,10	0,11	0,12	0,13	0,14	50
	C2	0.0038	0.0040	0.0044	0.0048	0.0050	0.0055	165
N3	C2	0,095	0,10	0,11	0,12	0,13	0,14	33
	C2	0.0038	0.0040	0.0044	0.0048	0.0050	0.0055	110
S11	C2	0,055	0,065	0,080	0,090	0,10	0,11	50
	C2	0.0022	0.0026	0.0032	0.0036	0.0040	0.0044	165
S12	C2	0,055	0,065	0,080	0,090	0,10	0,11	40
	C2	0.0022	0.0026	0.0032	0.0036	0.0040	0.0044	130
S13	C2	0,048	0,060	0,070	0,080	0,090	0,10	31
	C2	0.0019	0.0024	0.0028	0.0032	0.0036	0.0040	100

SMG = Seco malzeme grubu f = mm/rev (IPR) V_c = sf/dak Tüm kesme verileri başlangıç değerleridir

Kesme verileri mevcut malzemeye bağlıdır. Yiğın delme uygulaması için kullanılan N1-N3 ve S11-S13

SD203-CX1 – Ø 3-9 mm / 0.118-0.354 inç

SMG		f				v _c
		Ø3,00 Ø 0.118	Ø5,00 Ø 0.197	Ø7,00 Ø 0.276	Ø9,00 Ø 0.354	
TS2	CX1	0,075	0,085	0,090	0,10	150
	CX1	0,0030	0,0034	0,0036	0,0040	490
TS3	CX1	0,075	0,085	0,090	0,10	120
	CX1	0,0030	0,0034	0,0036	0,0040	395
TP2	CX1	0,075	0,085	0,090	0,10	150
	CX1	0,0030	0,0034	0,0036	0,0040	490
TP3	CX1	0,075	0,085	0,090	0,10	120
	CX1	0,0030	0,0034	0,0036	0,0040	395

SD203A-CX2 – Ø 3-9 mm / 0.118-0.354 inç

SMG		f				v _c
		Ø3,00 Ø 0.118	Ø5,00 Ø 0.197	Ø7,00 Ø 0.276	Ø9,00 Ø 0.354	
N1	CX2	0,048	0,050	0,055	0,060	185
	CX2	0,0019	0,0020	0,0022	0,0024	610
N2	CX2	0,048	0,050	0,055	0,060	120
	CX2	0,0019	0,0020	0,0022	0,0024	395
N3	CX2	0,048	0,050	0,055	0,060	80
	CX2	0,0019	0,0020	0,0022	0,0024	260
S11	CX2	0,019	0,020	0,024	0,025	16
	CX2	0,00075	0,00080	0,00095	0,0010	50
S12	CX2	0,019	0,020	0,024	0,025	12
	CX2	0,00075	0,00080	0,00095	0,0010	39
S13	CX2	0,017	0,018	0,020	0,022	9
	CX2	0,00065	0,00070	0,00080	0,00085	30

SMG = Seco malzeme grubu f = mm/rev (IPR) v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

Kesme verileri mevcut malzemeye bağlıdır. Yığın delme uygulaması için kullanılan N1-N3 ve S11-S13

SD205-CX31 – Ø 4-8 mm / 0.157-0.315 inç

SMG		f					v _c
		Ø4,00 Ø 0.157	Ø5,00 Ø 0.197	Ø6,00 Ø 0.236	Ø7,00 Ø 0.276	Ø8,00 Ø 0.315	
N1	CX31	0,10	0,10	0,11	0,11	0,12	155
	CX31	0.0040	0.0040	0.0044	0.0044	0.0048	510
N2	CX31	0,10	0,10	0,11	0,11	0,12	100
	CX31	0.0040	0.0040	0.0044	0.0044	0.0048	330
N3	CX31	0,10	0,10	0,11	0,11	0,12	65
	CX31	0.0040	0.0040	0.0044	0.0044	0.0048	215
S11	CX31	0,040	0,048	0,055	0,065	0,070	16
	CX31	0.0016	0.0019	0.0022	0.0026	0.0028	50
S12	CX31	0,040	0,048	0,055	0,065	0,070	12
	CX31	0.0016	0.0019	0.0022	0.0026	0.0028	39
S13	CX31	0,034	0,042	0,048	0,055	0,065	9
	CX31	0.0013	0.0017	0.0019	0.0022	0.0026	30
TS2	CX31	0,080	0,085	0,090	0,090	0,095	125
	CX31	0.0032	0.0034	0.0036	0.0036	0.0038	410
TS3	CX31	0,080	0,085	0,090	0,090	0,095	100
	CX31	0.0032	0.0034	0.0036	0.0036	0.0038	330
TP2	CX31	0,080	0,085	0,090	0,090	0,095	125
	CX31	0.0032	0.0034	0.0036	0.0036	0.0038	410
TP3	CX31	0,080	0,085	0,090	0,090	0,095	100
	CX31	0.0032	0.0034	0.0036	0.0036	0.0038	330

SMG = Seco malzeme grubu f = mm/rev (IPR) v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

Kesme verileri mevcut malzemeye bağlıdır. Yiğın delme uygulaması için kullanılan N1-N3 ve S11-S13

SD22 & SD26 – Ø 0,1-0,3 mm / 0.0039-0.0118 inç

SMG	f			v _c
	Ø 0,10 Ø 0.0039	Ø 0,20 Ø 0.0079	Ø 0,30 Ø 0.0118	
P1	0,0011	0,0017	0,0024	11
	0.000044	0.000065	0.000095	36
P2	0,0011	0,0017	0,0024	11
	0.000044	0.000065	0.000095	36
P3	0,0010	0,0016	0,0022	10
	0.000040	0.000065	0.000085	33
P4	0,0010	0,0016	0,0022	8
	0.000040	0.000065	0.000085	26
P5	0,0010	0,0016	0,0022	8
	0.000040	0.000065	0.000085	26
P6	0,0010	0,0016	0,0022	9
	0.000040	0.000065	0.000085	30
P7	0,0010	0,0016	0,0022	8
	0.000040	0.000065	0.000085	26
P8	0,0010	0,0016	0,0022	8
	0.000040	0.000065	0.000085	26
P11	0,0010	0,0016	0,0022	8
	0.000040	0.000065	0.000085	26
P12	0,00070	0,0011	0,0015	5
	0.000028	0.000044	0.000060	16
M1	0,0011	0,0017	0,0024	2
	0.000044	0.000065	0.000095	7
M2	0,0010	0,0016	0,0022	2
	0.000040	0.000065	0.000085	7
K1	0,0011	0,0017	0,0024	6
	0.000044	0.000065	0.000095	20
K2	0,0010	0,0016	0,0022	5
	0.000040	0.000065	0.000085	16
K3	0,0010	0,0016	0,0022	4
	0.000040	0.000065	0.000085	13
K4	0,0010	0,0016	0,0022	4
	0.000040	0.000065	0.000085	13
K5	0,00090	0,0014	0,0019	3
	0.000036	0.000055	0.000075	10
N2	0,0014	0,0022	0,0030	15
	0.000055	0.000085	0.00012	49
N3	0,0014	0,0022	0,0030	10
	0.000055	0.000085	0.00012	33
S11	0,00080	0,0013	0,0017	4
	0.000032	0.000050	0.000065	13
S12	0,00080	0,0013	0,0017	3
	0.000032	0.000050	0.000065	10

SMG = Seco malzeme grubu f = mm/rev (IPR) v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

SD22 & SD26 – Ø 0,4-0,5 mm / 0.0157-0.0197 inç

SMG	f		v _c
	Ø 0,40 Ø 0.0157	Ø 0,50 Ø 0.0197	
P1	0,0030	0,0036	14
	0.00012	0.00014	46
P2	0,0030	0,0036	14
	0.00012	0.00014	46
P3	0,0028	0,0034	12
	0.00011	0.00013	39
P4	0,0028	0,0034	10
	0.00011	0.00013	33
P5	0,0028	0,0034	10
	0.00011	0.00013	33
P6	0,0028	0,0032	11
	0.00011	0.00013	36
P7	0,0028	0,0032	11
	0.00011	0.00013	36
P8	0,0028	0,0034	10
	0.00011	0.00013	33
P11	0,0028	0,0032	10
	0.00011	0.00013	33
P12	0,0019	0,0022	6
	0.000075	0.000085	20
M1	0,0030	0,0036	5
	0.00012	0.00014	16
M2	0,0028	0,0034	4
	0.00011	0.00013	13
K1	0,0030	0,0036	10
	0.00012	0.00014	33
K2	0,0028	0,0034	9
	0.00011	0.00013	30
K3	0,0028	0,0034	7
	0.00011	0.00013	23
K4	0,0028	0,0034	7
	0.00011	0.00013	23
K5	0,0025	0,0030	4
	0.00010	0.00012	13
N2	0,0038	0,0046	30
	0.00015	0.00018	100
N3	0,0038	0,0046	20
	0.00015	0.00018	65
S11	0,0022	0,0026	8
	0.000085	0.00010	26
S12	0,0022	0,0026	6
	0.000085	0.00010	20

SMG = Seco malzeme grubu f = mm/rev (IPR) v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

SD22 & SD26 – Ø 0,6-0,8 mm / 0.0236-0.0315 inç

SMG	f			v _c
	Ø 0,60 Ø 0.0236	Ø 0,70 Ø 0.0276	Ø 0,80 Ø 0.0315	
P1	0,0042	0,0048	0,0055	28
	0,00017	0,00019	0,00022	90
P2	0,0042	0,0050	0,0055	28
	0,00017	0,00020	0,00022	90
P3	0,0040	0,0046	0,0055	24
	0,00016	0,00018	0,00022	80
P4	0,0040	0,0046	0,0050	21
	0,00016	0,00018	0,00020	70
P5	0,0038	0,0044	0,0050	20
	0,00015	0,00017	0,00020	65
P6	0,0038	0,0044	0,0050	22
	0,00015	0,00017	0,00020	70
P7	0,0038	0,0044	0,0050	21
	0,00015	0,00017	0,00020	70
P8	0,0040	0,0046	0,0055	20
	0,00016	0,00018	0,00022	65
P11	0,0038	0,0044	0,0050	21
	0,00015	0,00017	0,00020	70
P12	0,0026	0,0030	0,0034	12
	0,00010	0,00012	0,00013	39
M1	0,0042	0,0050	0,0055	9
	0,00017	0,00020	0,00022	30
M2	0,0038	0,0044	0,0050	7
	0,00015	0,00017	0,00020	23
K1	0,0042	0,0050	0,0055	15
	0,00017	0,00020	0,00022	49
K2	0,0038	0,0044	0,0050	13
	0,00015	0,00017	0,00020	43
K3	0,0038	0,0044	0,0050	11
	0,00015	0,00017	0,00020	36
K4	0,0038	0,0044	0,0050	10
	0,00015	0,00017	0,00020	33
K5	0,0036	0,0040	0,0046	6
	0,00014	0,00016	0,00018	20
N2	0,0055	0,0065	0,0070	60
	0,00022	0,00026	0,00028	195
N3	0,0055	0,0065	0,0070	40
	0,00022	0,00026	0,00028	130
S11	0,0032	0,0036	0,0040	13
	0,00013	0,00014	0,00016	43
S12	0,0032	0,0036	0,0040	10
	0,00013	0,00014	0,00016	33

SMG = Seco malzeme grubu f = mm/rev (IPR) v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

SD22 & SD26 – Ø 0,9-1,1 mm / 0.0354-0.0433 inç

SMG	f			v _c
	Ø0,90 Ø 0.0354	Ø1,00 Ø 0.0394	Ø1,10 Ø 0.0433	
P1	0,0060	0,0065	0,0075	50
	0.00024	0.00026	0.00030	165
P2	0,0060	0,0070	0,0075	48
	0.00024	0.00028	0.00030	155
P3	0,0060	0,0065	0,0070	42
	0.00024	0.00026	0.00028	140
P4	0,0055	0,0065	0,0070	37
	0.00022	0.00026	0.00028	120
P5	0,0055	0,0060	0,0070	35
	0.00022	0.00024	0.00028	115
P6	0,0055	0,0060	0,0065	39
	0.00022	0.00024	0.00026	130
P7	0,0055	0,0060	0,0065	37
	0.00022	0.00024	0.00026	120
P8	0,0060	0,0065	0,0070	35
	0.00024	0.00026	0.00028	115
P11	0,0055	0,0060	0,0065	36
	0.00022	0.00024	0.00026	120
P12	0,0038	0,0042	0,0046	21
	0.00015	0.00017	0.00018	70
M1	0,0060	0,0070	0,0075	12
	0.00024	0.00028	0.00030	39
M2	0,0055	0,0060	0,0070	10
	0.00022	0.00024	0.00028	33
K1	0,0060	0,0070	0,0075	20
	0.00024	0.00028	0.00030	65
K2	0,0055	0,0060	0,0070	17
	0.00022	0.00024	0.00028	55
K3	0,0055	0,0060	0,0070	15
	0.00022	0.00024	0.00028	49
K4	0,0055	0,0060	0,0070	14
	0.00022	0.00024	0.00028	46
K5	0,0050	0,0055	0,0060	8
	0.00020	0.00022	0.00024	26
N2	0,0080	0,0085	0,0095	80
	0.00032	0.00034	0.00038	260
N3	0,0080	0,0085	0,0095	55
	0.00032	0.00034	0.00038	180
S11	0,0046	0,0050	0,0055	19
	0.00018	0.00020	0.00022	60
S12	0,0046	0,0050	0,0055	15
	0.00018	0.00020	0.00022	49

SMG = Seco malzeme grubu f = mm/rev (IPR) v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

SD22 & SD26 – Ø 1,2-2,0 mm / 0.0472-0.0787 inç

SMG	f					v _c
	Ø1,20 Ø 0.0472	Ø1,40 Ø 0.0551	Ø1,60 Ø 0.0630	Ø1,80 Ø 0.0709	Ø2,00 Ø 0.0787	
P1	0,0080	0,0090	0,010	0,012	0,013	70
	0.00032	0.00036	0.00040	0.00048	0.00050	230
P2	0,0080	0,0095	0,011	0,012	0,013	70
	0.00032	0.00038	0.00044	0.00048	0.00050	230
P3	0,0075	0,0090	0,010	0,011	0,012	60
	0.00030	0.00036	0.00040	0.00044	0.00048	195
P4	0,0075	0,0085	0,010	0,011	0,012	50
	0.00030	0.00034	0.00040	0.00044	0.00048	165
P5	0,0075	0,0085	0,0095	0,011	0,012	50
	0.00030	0.00034	0.00038	0.00044	0.00048	165
P6	0,0075	0,0085	0,0095	0,011	0,012	55
	0.00030	0.00034	0.00038	0.00044	0.00048	180
P7	0,0075	0,0085	0,0095	0,011	0,012	55
	0.00030	0.00034	0.00038	0.00044	0.00048	180
P8	0,0075	0,0090	0,010	0,011	0,012	50
	0.00030	0.00036	0.00040	0.00044	0.00048	165
P11	0,0075	0,0085	0,0095	0,011	0,012	50
	0.00030	0.00034	0.00038	0.00044	0.00048	165
P12	0,0050	0,0060	0,0065	0,0075	0,0080	30
	0.00020	0.00024	0.00026	0.00030	0.00032	100
M1	0,0080	0,0095	0,011	0,012	0,013	15
	0.00032	0.00038	0.00044	0.00048	0.00050	49
M2	0,0075	0,0085	0,0095	0,011	0,012	12
	0.00030	0.00034	0.00038	0.00044	0.00048	39
K1	0,0080	0,0095	0,011	0,012	0,013	35
	0.00032	0.00038	0.00044	0.00048	0.00050	115
K2	0,0075	0,0085	0,0095	0,011	0,012	30
	0.00030	0.00034	0.00038	0.00044	0.00048	100
K3	0,0075	0,0085	0,0095	0,011	0,012	26
	0.00030	0.00034	0.00038	0.00044	0.00048	85
K4	0,0075	0,0085	0,0095	0,011	0,012	25
	0.00030	0.00034	0.00038	0.00044	0.00048	80
K5	0,0065	0,0075	0,0085	0,010	0,011	15
	0.00026	0.00030	0.00034	0.00040	0.00044	49
N2	0,010	0,012	0,014	0,015	0,017	100
	0.00040	0.00048	0.00055	0.00060	0.00065	330
N3	0,010	0,012	0,014	0,015	0,017	65
	0.00040	0.00048	0.00055	0.00060	0.00065	215
S11	0,0060	0,0070	0,0075	0,0085	0,0095	26
	0.00024	0.00028	0.00030	0.00034	0.00038	85
S12	0,0060	0,0070	0,0075	0,0085	0,0095	20
	0.00024	0.00028	0.00030	0.00034	0.00038	65

SMG = Seco malzeme grubu f = mm/rev (IPR) v_c = sf/dak Tüm kesme verileri başlangıç değerleridir



Seco Crownloc®

Seco Crownloc®, düşük maliyetlerde yüksek delik toleransları verecek şekilde dizayn edilmiş deđiřtirebilir uçlu matkaplar serisidir. Yüksek hassasiyetli matkapların kalitesine uyan Crownloc, tekrar bileme ihtiyacını ve maliyetini ortadan kaldırmak için deđiřtirilebilir crown uçlar kullanır.

- Crown ucun içinden geçen çift sođutma sıvısı deliđi, yüksek miktarda sođutma sıvısının kesme kenarlarına ulaşmasını sađlar.
- Crownloc®, farklı uygulamalar ve iş parçası malzemeleri için optimize edilmiş geniş kapsamlı uç geometrileri sunar.

Ürünlere genel bakış

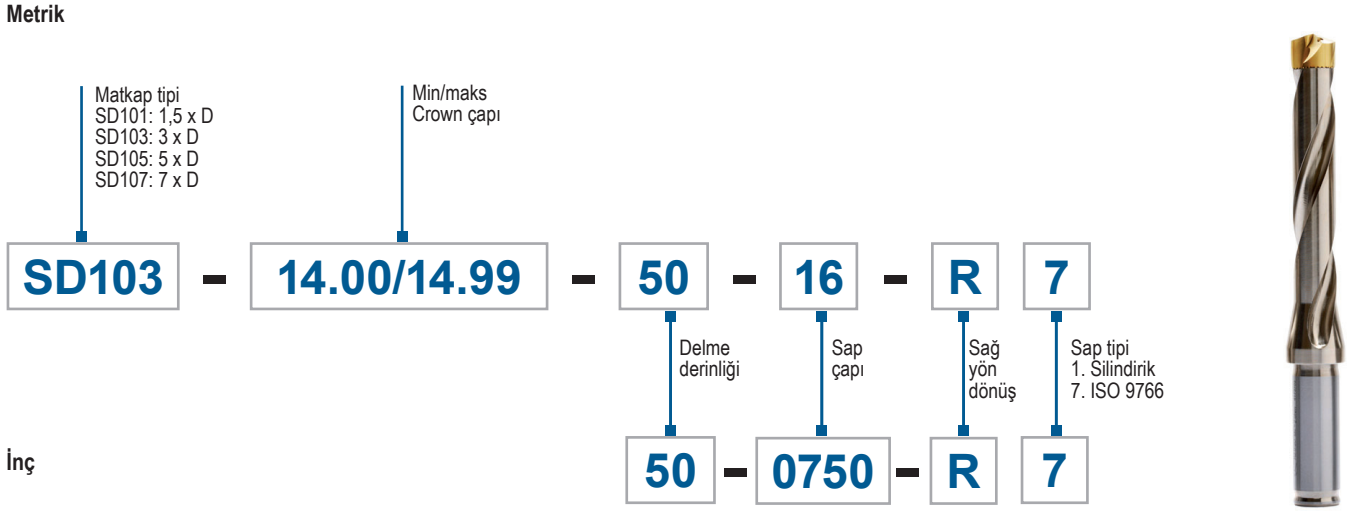
Crownloc®	Ø Aralığı	Delme derinliği	Matkap Ø toleransı	Delik toleransı (1)	Yüzey kalitesi (2)
SD101  Sayfa(lar) 178-179	12,00-25,99 mm (0.472-1.023")	~ 1,5 x D	k7	IT 10	Ra 1-3 µm (Ra 39-118 µin)
SD103  Sayfa(lar) 180-181	9,52-25,99 mm (0.375-1.023")	~ 3 x D	k7	IT 10	Ra 1-3 µm (Ra 39-118 µin)
SD105  Sayfa(lar) 182-183	10,00-25,99 mm (0.394-1.023")	~ 5 x D	k7	IT 10	Ra 1-3 µm (Ra 39-118 µin)
SD107  Sayfa(lar) 184-185	12,00-25,99 mm (0.472-1.023")	~ 7 x D	k7	IT 10	Ra 1-4 µm (Ra 39-157 µin)
Havşa modülü  Sayfa(lar) 193	12,00-19,99 mm (0.472-0.787")	-	-	-	-

1) Kullanılan malzemeye ve kesme verilerine bağlı olarak değişiklikler olabilir.

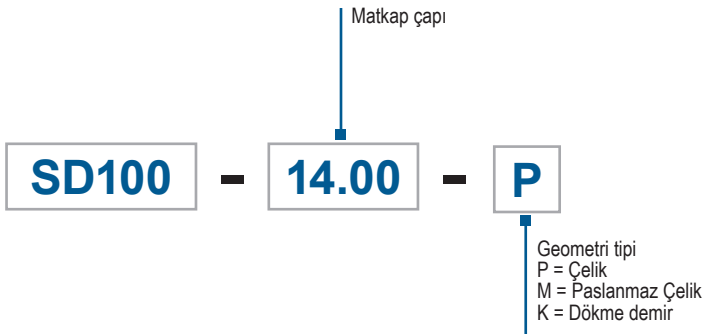
2) Matkap boyu, kesme verisi, soğutma sıvısı basıncı ve malzeme yüzey kalitesinde bozulmalara sebep olabilir.

Kodlama anahtarları

Kod anahtarı, matkap gövdeleri



Kod anahtarı, Crown uçlar

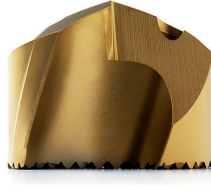


Geometriler

P-geometri
- Genel geometri, çelikte delme için ilk tercih



M-geometri
- Yüksek ısı alaşımları ve paslanmaz çelikler için



K-geometri
- Dökme demirde delme için ilk tercih



Montaj talimatları

1. Gövdedeki bağlama yüzeyini dikkatlice temizleyip talaş ya da pisliklerden arındırın.
2. Çektirme vidasının tamamen dışa doğru çıktığından emin olun.
3. Yeni Crown kafayı çektirme vidasına takın ve yüzeye tamamen oturuncaya kadar döndürün.

Ucu az miktarda ters çevirin ve iki yüzeyin birbirine kenetlendiğinden emin olun. Sıkma vidasını çevirirken kafayı aşağı doğru bastırarak doğru pozisyonlanmasını sağlayın. Yüzeylerin birbirine kenetlendiğinden emin olun. Tork anahtar ile sıkma vidasını sıkıştırın.

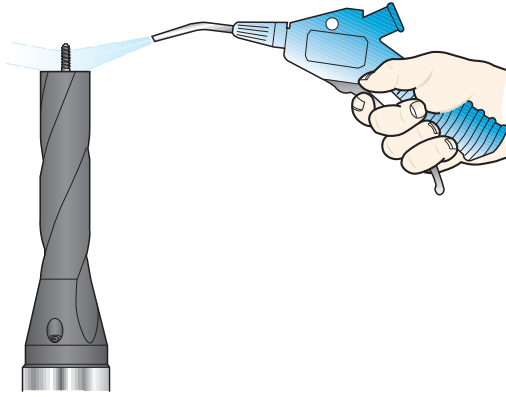
Denge

Uygulamaların dengesi takım ömrünün sağlanması ve delik hassasiyeti açısından önemlidir. Maksimum sağlamlık ve denge için lütfen tezgahın fener mili bağlantılarını ve diğer bağlantı elemanlarının durumunu iyice kontrol edin. Stabil olmayan şartlarda matkap kırılabilir.

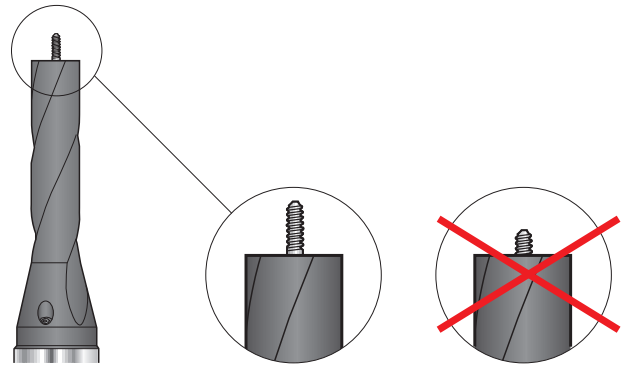
Dönen takım

Takımın döndüğü uygulamalarda Toplam Salgının (TIR) 0,06 mm'yi (0,002 inç) aşmaması gerekmektedir. Matkap fener miline bağlandığı zaman salgıyı ölçünüz.

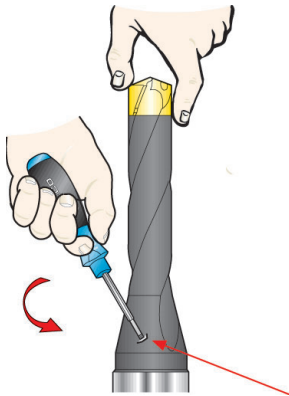
1.



2.

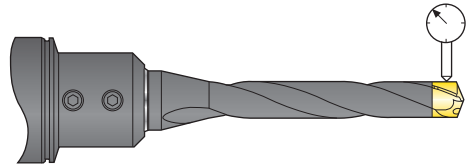


3.



Sabit takım

Takımın sabit olduğu uygulamalarda iş parçasının merkezi ile ucunun arasındaki mesafe 0,03 mm'yi (0,001 inç) aşmaması gerekmektedir.



Tavsiye edilen takım tutucular

En iyi sonuç için DIN 1835 B/DIN 6535 HB (Weldon) tutucular kullanın. Daha fazla bilgi için Tutucu sistemleri kataloğuna bakın.

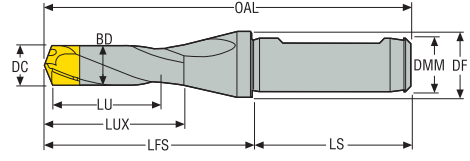


Weldon

Makrap Ø DC mm	M _c Nm	Makrap Ø DC inç	M _c in/lbs
10,00-13,99	0,8-1,0	0.394-0.551	7-9
14,00-16,99	1,8-2,2	0.551-0.669	16-19.5
17,00-25,99	2,5-3,0	0.669-1.023	22-26

SD101

Delme derinliği ~ 1,5 x D – Metrik sap



- SD101 -R7 sap
- İçten soğutma sıvısı
- ISO9766 şu tutuculara uyar: Weldon 1835B, ISO 5414, DIN 60880
- Kesme verileri için, bakınız sayfa 196

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	BD	LFS	LS	DMM	DF
		mm	mm	mm	mm	mm	mm	mm	mm	mm
SD101-12.00/12.49-20-16R7	02445790	12,0-12,49	20,0	96,0	32,0	11,5	48,0	48,0	16,0	20,0
SD101-12.50/12.99-20-16R7	02445791	12,5-12,99	20,0	96,4	32,4	12,0	48,4	48,0	16,0	20,0
SD101-13.00/13.99-20-16R7	02445792	13,0-13,99	20,0	96,8	32,8	12,5	48,8	48,0	16,0	20,0
SD101-14.00/14.99-25-16R7	02445793	14,0-14,99	25,0	102,4	38,4	13,5	54,4	48,0	16,0	20,0
SD101-15.00/15.99-25-16R7	02445794	15,0-15,99	25,0	103,3	39,3	14,5	55,3	48,0	16,0	20,0
SD101-16.00/16.99-25-16R7	02445795	16,0-16,99	25,0	104,0	40,0	15,5	56,0	48,0	16,0	20,0
SD101-17.00/17.99-30-20R7	02445796	17,0-17,99	30,0	110,7	44,7	16,5	60,7	50,0	20,0	25,0
SD101-18.00/18.99-30-20R7	02445797	18,0-18,99	30,0	111,7	45,7	17,5	61,7	50,0	20,0	25,0
SD101-19.00/19.99-30-20R7	02445798	19,0-19,99	30,0	112,5	46,5	18,5	62,5	50,0	20,0	25,0
SD101-20.00/21.99-40-25R7	02462832	20,0-21,99	40,0	129,5	53,5	19,5	73,5	56,0	25,0	31,0
SD101-22.00/23.99-40-25R7	02462833	22,0-23,99	40,0	129,5	53,5	21,5	73,5	56,0	25,0	31,0
SD101-24.00/25.99-40-25R7	02462834	24,0-25,99	40,0	129,5	53,5	23,5	73,5	56,0	25,0	31,0

Yedek parçalar

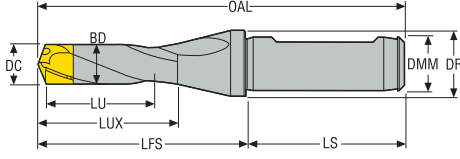
Şu matkap çapı için (mm)	Anahtar	Sıkma vidası	Yedek parça seti
12,00-13,99	H1.5-2D	MP6SS3X12	SD101-SP-5.0
14,00-16,99	H2.0-2D	MP6SS4X12	SD101-SP-6.0
17,00-19,99	H2.5-2D	MP6SS5X16	SD101-SP-7.0
20,00-25,99	H2.5-2D	MP6SS5X16	SD101-SP-8.0

Aksesuarlar

Değiştirilebilir Çubuk	Tork anahtarı
H00-1.5	H00-1509
H00-2.0	H00-2020
H00-2.5	H00-2530
H00-2.5	H00-2535

SD101 -R7 Sap

Delme derinliği ~ 1,5 x D – inç sap



- ISO9766 şu tutuculara uyur: Weldon 1835B, ISO 5414, DIN 60880
- İçten soğutma sıvısı
- Kesme verileri için, bakınız sayfa 196

Ürün Tanımı	Ürün numarası	Maks. Delme derinliği l_d	Matkap çapı DC	LU	BD	DF	OAL	LS	LFS	LUX	DMM
		İnç	İnç	İnç	İnç	İnç	İnç	İnç	İnç	İnç	İnç
SD101-12.00/12.49-20-0625R7	02445817	0.787	0.472-0.492	0.787	0.453	0.787	3.780	1.890	1.890	1.260	0.625
SD101-12.50/12.99-20-0625R7	02445818	0.787	0.492-0.511	0.787	0.472	0.787	3.795	1.890	1.906	1.276	0.625
SD101-13.00/13.99-20-0625R7	02445819	0.787	0.512-0.551	0.787	0.492	0.787	3.811	1.890	1.921	1.291	0.625
SD101-14.00/14.99-25-0625R7	02445820	0.984	0.551-0.590	0.984	0.531	0.787	4.031	1.890	2.142	1.512	0.625
SD101-15.00/15.99-25-0625R7	02445821	0.984	0.591-0.630	0.984	0.571	0.787	4.067	1.890	2.177	1.547	0.625
SD101-16.00/16.99-25-0625R7	02445822	0.984	0.630-0.669	0.984	0.610	0.787	4.094	1.890	2.205	1.575	0.625
SD101-17.00/17.99-30-0750R7	02445823	1.181	0.669-0.708	1.181	0.650	0.984	4.358	1.969	2.390	1.760	0.750
SD101-18.00/18.99-30-0750R7	02445824	1.181	0.709-0.748	1.181	0.689	0.984	4.398	1.969	2.429	1.799	0.750
SD101-19.00/19.99-30-0750R7	02445825	1.181	0.748-0.787	1.181	0.728	0.984	4.429	1.969	2.461	1.831	0.750
SD101-20.00/21.99-40-1000R7	02466044	1.575	0.787-0.866	1.575	0.768	1.220	5.098	2.205	2.894	2.106	1.000
SD101-22.00/23.99-40-1000R7	02466045	1.575	0.866-0.944	1.575	0.846	1.220	5.098	2.205	2.894	2.106	1.000
SD101-24.00/25.99-40-1000R7	02466046	1.575	0.945-1.023	1.575	0.925	1.220	5.098	2.205	2.894	2.106	1.000

Yedek parçalar

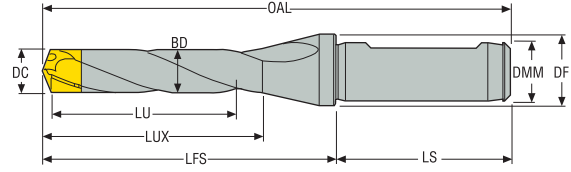
Şu matkap çapı için (inç)	Anahtar	Sıkma vidası	Yedek parça seti
0.472-0.551	H1.5-2D	MP6SS3X12	SD101-SP-5.0
0.551-0.669	H2.0-2D	MP6SS4X12	SD101-SP-6.0
0.669-0.787	H2.5-2D	MP6SS5X16	SD101-SP-7.0
0.787-1.023	H2.5-2D	MP6SS5X16	SD101-SP-8.0

Aksesuarlar

Değiştirilebilir Çubuk	Tork anahtarı
H00-1.5	H00-1509
H00-2.0	H00-2020
H00-2.5	H00-2530
H00-2.5	H00-2535

SD103

Delme derinliği ~ 3 x D – Metrik sap



- SD103 -R7 sap
- İçten soğutma sıvısı
- ISO9766 şu tutuculara uyar: Weldon 1835B, ISO 5414, DIN 60880
- Kesme verileri için, bakınız sayfa 197

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	BD	LFS	LS	DMM	DF
		mm	mm	mm	mm	mm	mm	mm	mm	mm
SD103-10.00/10.49-30-16R7	02462815	10,0-10,49	30,0	101,0	38,0	9,5	53,0	48,0	16,0	20,0
SD103-10.50/10.99-30-16R7	02462818	10,5-10,99	30,0	101,0	38,0	10,0	53,0	48,0	16,0	20,0
SD103-11.00/11.49-30-16R7	02462819	11,0-11,49	30,0	101,0	38,0	10,5	53,0	48,0	16,0	20,0
SD103-11.50/11.99-30-16R7	02462820	11,5-11,99	30,0	101,0	38,0	11,0	53,0	48,0	16,0	20,0
SD103-12.00/12.49-40-16R7	02445799	12,0-12,49	40,0	116,0	48,0	11,5	68,0	48,0	16,0	20,0
SD103-12.50/12.99-40-16R7	02445800	12,5-12,99	40,0	116,4	48,4	12,0	68,4	48,0	16,0	20,0
SD103-13.00/13.99-40-16R7	02445801	13,0-13,99	40,0	116,8	48,8	12,5	68,8	48,0	16,0	20,0
SD103-14.00/14.99-50-16R7	02445802	14,0-14,99	50,0	127,4	59,4	13,5	79,4	48,0	16,0	20,0
SD103-15.00/15.99-50-16R7	02445803	15,0-15,99	50,0	128,3	60,3	14,5	80,3	48,0	16,0	20,0
SD103-16.00/16.99-50-16R7	02445804	16,0-16,99	50,0	129,0	61,0	15,5	81,0	48,0	16,0	20,0
SD103-17.00/17.99-60-20R7	02445805	17,0-17,99	60,0	140,7	67,7	16,5	90,7	50,0	20,0	25,0
SD103-18.00/18.99-60-20R7	02445806	18,0-18,99	60,0	141,7	68,7	17,5	91,7	50,0	20,0	25,0
SD103-19.00/19.99-60-20R7	02445807	19,0-19,99	60,0	142,5	69,5	18,5	92,7	50,0	20,0	25,0
SD103-20.00/21.99-75-25R7	02462836	20,0-21,99	75,0	164,5	88,5	19,5	108,5	56,0	25,0	31,0
SD103-22.00/23.99-75-25R7	02462838	22,0-23,99	75,0	164,5	88,5	21,5	108,5	56,0	25,0	31,0
SD103-24.00/25.99-75-25R7	02462841	24,0-25,99	75,0	164,5	88,5	23,5	108,5	56,0	25,0	31,0

Yedek parçalar

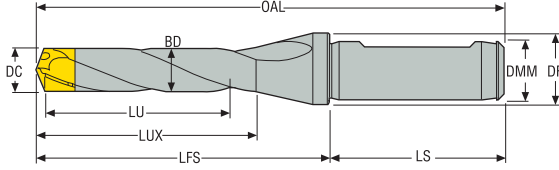
Şu matkap çapı için (mm)	Anahtar	Sıkma vidası	Yedek parça seti
10,00-11,99	H1.5-2D	MP6SS3X12	SD103-SP-4.0
12,00-13,99	H1.5-2D	MP6SS3X12	SD103-SP-5.0
14,00-16,99	H2.0-2D	MP6SS4X12	SD103-SP-6.0
17,00-19,99	H2.5-2D	MP6SS5X16	SD103-SP-7.0
20,00-25,99	H2.5-2D	MP6SS5X16	SD103-SP-8.0

Aksesuarlar

Değiştirilebilir Çubuk	Tork anahtarı
H00-1.5	H00-1509
H00-1.5	H00-1509
H00-2.0	H00-2020
H00-2.5	H00-2530
H00-2.5	H00-2535

SD103 -R7 Sap

Delme derinliği ~ 3 x D – inç sap



- ISO9766 şu tutuculara uyur: Weldon 1835B, ISO 5414, DIN 60880
- İçten soğutma sıvısı
- Kesme verileri için, bakınız sayfa 197

Ürün Tanımı	Ürün numarası	Maks. Delme derinliği l_4	Matkap çapı DC	LU	BD	DF	OAL	LS	LFS	LUX	DMM
		İnç	İnç	İnç	İnç	İnç	İnç	İnç	İnç	İnç	İnç
SD103-09.50/09.99-30-0625R7	02673828	1.181	0.374-0.393	1.181	0.354	0.787	4.252	1.969	2.323	1.835	0.625
SD103-10.00/10.49-30-0625R7	02466011	1.181	0.394-0.413	1.181	0.374	0.787	3.976	1.890	2.087	1.496	0.625
SD103-10.50/10.99-30-0625R7	02466012	1.181	0.413-0.433	1.181	0.394	0.787	3.976	1.890	2.087	1.496	0.625
SD103-11.00/11.49-30-0625R7	02466013	1.181	0.433-0.452	1.181	0.413	0.787	3.976	1.890	2.087	1.496	0.625
SD103-11.50/11.99-30-0625R7	02466014	1.181	0.453-0.472	1.181	0.433	0.787	3.976	1.890	2.087	1.496	0.625
SD103-12.00/12.49-40-0625R7	02445826	1.575	0.472-0.492	1.575	0.453	0.787	4.567	1.890	2.677	1.890	0.625
SD103-12.50/12.99-40-0625R7	02445827	1.575	0.492-0.511	1.575	0.472	0.787	4.583	1.890	2.693	1.906	0.625
SD103-13.00/13.99-40-0625R7	02445828	1.575	0.512-0.551	1.575	0.492	0.787	4.598	1.890	2.709	1.921	0.625
SD103-14.00/14.99-50-0625R7	02445829	1.969	0.551-0.590	1.969	0.531	0.787	5.016	1.890	3.126	2.339	0.625
SD103-15.00/15.99-50-0625R7	02445830	1.969	0.591-0.630	1.969	0.571	0.787	5.051	1.890	3.161	2.374	0.625
SD103-16.00/16.99-50-0625R7	02445831	1.969	0.630-0.669	1.969	0.610	0.787	5.079	1.890	3.189	2.402	0.625
SD103-17.00/17.99-60-0750R7	02445832	2.362	0.669-0.708	2.362	0.650	0.984	5.539	1.969	3.571	2.665	0.750
SD103-18.00/18.99-60-0750R7	02445833	2.362	0.709-0.748	2.362	0.689	0.984	5.579	1.969	3.610	2.705	0.750
SD103-19.00/19.99-60-0750R7	02445834	2.362	0.748-0.787	2.362	0.728	0.984	5.610	1.969	3.650	2.736	0.750
SD103-20.00/21.99-75-1000R7	02466049	2.953	0.787-0.866	2.953	0.768	1.220	6.476	2.205	4.272	3.484	1.000
SD103-22.00/23.99-75-1000R7	02466050	2.953	0.866-0.944	2.953	0.846	1.220	6.476	2.205	4.272	3.484	1.000
SD103-24.00/25.99-75-1000R7	02466051	2.953	0.945-1.023	2.953	0.925	1.220	6.476	2.205	4.272	3.484	1.000

Yedek parçalar

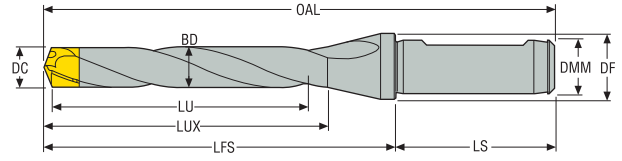
Şu matkap çapı için (inç)	Anahtar	Sıkma vidası	Yedek parça seti
0.374-0.393	H1.5-2D	MP6SS3X12	-
0.394-0.472	H1.5-2D	MP6SS3X12	SD103-SP-4.0
0.472-0.551	H1.5-2D	MP6SS3X12	SD103-SP-5.0
0.551-0.669	H2.0-2D	MP6SS4X12	SD103-SP-6.0
0.669-0.787	H2.5-2D	MP6SS5X16	SD103-SP-7.0
0.787-1.023	H2.5-2D	MP6SS5X16	SD103-SP-8.0

Aksesuarlar

Değiştirilebilir Çubuk	Tork anahtarı
H00-1.5	H00-1509
H00-1.5	H00-1509
H00-1.5	H00-1509
H00-2.0	H00-2020
H00-2.5	H00-2530
H00-2.5	H00-2535

SD105

Delme derinliği ~ 5 x D – Metrik sap



- SD105 -R7 sap
- İçten soğutma sıvısı
- ISO9766 şu tutuculara uyar: Weldon 1835B, ISO 5414, DIN 60880
- Kesme verileri için, bakınız sayfa 198

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	BD	LFS	LS	DMM	DF
		mm	mm	mm	mm	mm	mm	mm	mm	mm
SD105-10.00/10.49-50-16R7	02462822	10,0-10,49	50,0	120,1	57,3	9,5	72,1	48,0	16,0	20,0
SD105-10.50/10.99-50-16R7	02462824	10,5-10,99	50,0	120,6	57,3	10,0	72,6	48,0	16,0	20,0
SD105-11.00/11.49-50-16R7	02462828	11,0-11,49	50,0	120,9	57,3	10,5	72,9	48,0	16,0	20,0
SD105-11.50/11.99-50-16R7	02462830	11,5-11,99	50,0	121,3	58,3	11,0	73,3	48,0	16,0	20,0
SD105-12.00/12.49-65-16R7	02445808	12,0-12,49	65,0	141,0	73,0	11,5	93,0	48,0	16,0	20,0
SD105-12.50/12.99-65-16R7	02445809	12,5-12,99	65,0	141,4	73,4	12,0	93,4	48,0	16,0	20,0
SD105-13.00/13.99-65-16R7	02445810	13,0-13,99	65,0	141,8	73,8	12,5	93,8	48,0	16,0	20,0
SD105-14.00/14.99-80-16R7	02445811	14,0-14,99	80,0	157,4	89,4	13,5	109,4	48,0	16,0	20,0
SD105-15.00/15.99-80-16R7	02445812	15,0-15,99	80,0	158,3	90,3	14,5	110,3	48,0	16,0	20,0
SD105-16.00/16.99-80-16R7	02445813	16,0-16,99	80,0	159,0	91,0	15,5	111,0	48,0	16,0	20,0
SD105-17.00/17.99-95-20R7	02445814	17,0-17,99	95,0	176,7	107,7	16,5	126,7	50,0	20,0	25,0
SD105-18.00/18.99-95-20R7	02445815	18,0-18,99	95,0	177,7	108,7	17,5	127,7	50,0	20,0	25,0
SD105-19.00/19.99-95-20R7	02445816	19,0-19,99	95,0	178,5	109,5	18,5	128,5	50,0	20,0	25,0
SD105-20.00/21.99-125-25R7	02462843	20,0-21,99	125,0	214,5	138,5	19,5	158,5	56,0	25,0	31,0
SD105-22.00/23.99-125-25R7	02462848	22,0-23,99	125,0	214,5	138,5	21,5	158,5	56,0	25,0	31,0
SD105-24.00/25.99-125-25R7	02462850	24,0-25,99	125,0	214,5	138,5	23,5	158,5	56,0	25,0	31,0

Yedek parçalar

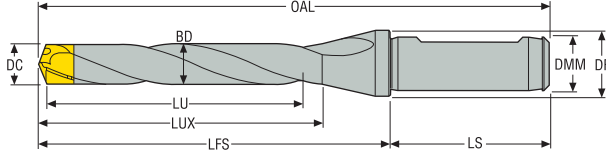
Şu matkap çapı için (mm)	Anahtar	Sıkma vidası	Yedek parça seti
10,00-11,99	H1.5-2D	MP6SS3X12	SD105-SP-4.0
12,00-13,99	H1.5-2D	MP6SS3X12	SD105-SP-5.0
14,00-16,99	H2.0-2D	MP6SS4X12	SD105-SP-6.0
17,00-19,99	H2.5-2D	MP6SS5X16	SD105-SP-7.0
20,00-25,99	H2.5-2D	MP6SS5X16	SD105-SP-8.0

Aksesuarlar

Değiştirilebilir Çubuk	Tork anahtarı
H00-1.5	H00-1509
H00-1.5	H00-1509
H00-2.0	H00-2020
H00-2.5	H00-2530
H00-2.5	H00-2535

SD105 -R7 Sap

Delme derinliği ~ 5 x D – inç sap



- ISO9766 şu tutuculara uyur: Weldon 1835B, ISO 5414, DIN 60880
- İçten soğutma sıvısı
- Kesme verileri için, bakınız sayfa 198

Ürün Tanımı	Ürün numarası	Maks. Delme derinliği l_4 (mm)	Matkap çapı DC	LU	BD	DF	OAL	LS	LFS	LUX	DMM
		Inç	Inç	Inç	Inç	Inç	Inç	Inç	Inç	Inç	Inç
SD105-10.00/10.49-50-0625R7	02466034	1.969	0.394-0.413	1.969	0.374	0.787	4.728	1.890	2.839	2.256	0.625
SD105-10.50/10.99-50-0625R7	02466037	1.969	0.413-0.433	1.969	0.394	0.787	4.748	1.890	2.858	2.256	0.625
SD105-11.00/11.49-50-0625R7	02466041	1.969	0.433-0.452	1.969	0.413	0.787	4.760	1.890	2.870	2.256	0.625
SD105-11.50/11.99-50-0625R7	02466042	1.969	0.453-0.472	1.969	0.433	0.787	4.776	1.890	2.886	2.295	0.625
SD105-12.00/12.49-65-0625R7	02445835	2.559	0.472-0.492	2.559	0.453	0.787	5.551	1.890	3.661	2.874	0.625
SD105-12.50/12.99-65-0625R7	02445836	2.559	0.492-0.511	2.559	0.472	0.787	5.567	1.890	3.677	2.890	0.625
SD105-13.00/13.99-65-0625R7	02445837	2.559	0.512-0.551	2.559	0.492	0.787	5.583	1.890	3.693	2.906	0.625
SD105-14.00/14.99-80-0625R7	02445838	3.150	0.551-0.590	3.150	0.531	0.787	6.197	1.890	4.307	3.520	0.625
SD105-15.00/15.99-80-0625R7	02445839	3.150	0.591-0.630	3.150	0.571	0.787	6.232	1.890	4.343	3.555	0.625
SD105-16.00/16.99-80-0625R7	02445840	3.150	0.630-0.669	3.150	0.610	0.787	6.260	1.890	4.370	3.583	0.625
SD105-17.00/17.99-95-0750R7	02445841	3.740	0.669-0.708	3.740	0.650	0.984	6.957	1.969	4.988	4.240	0.750
SD105-18.00/18.99-95-0750R7	02445842	3.740	0.709-0.748	3.740	0.689	0.984	6.996	1.969	5.028	4.280	0.750
SD105-19.00/19.99-95-0750R7	02445843	3.740	0.748-0.787	3.740	0.728	0.984	7.028	1.969	5.059	4.311	0.750
SD105-20.00/21.99-125-1000R7	02466052	4.921	0.787-0.866	4.921	0.768	1.220	8.445	2.205	6.240	5.453	1.000
SD105-22.00/23.99-125-1000R7	02466053	4.921	0.866-0.944	4.921	0.846	1.220	8.445	2.205	6.240	5.453	1.000
SD105-24.00/25.99-125-1000R7	02466054	4.921	0.945-1.023	4.921	0.925	1.220	8.445	2.205	6.240	5.453	1.000

Yedek parçalar

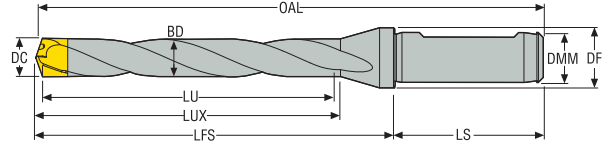
Şu matkap çapı için (inç)	Anahtar	Sıkma vidası	Yedek parça seti
0.394-0.472	H1.5-2D	MP6SS3X12	SD105-SP-4.0
0.472-0.551	H1.5-2D	MP6SS3X12	SD105-SP-5.0
0.551-0.669	H2.0-2D	MP6SS4X12	SD105-SP-6.0
0.669-0.787	H2.5-2D	MP6SS5X16	SD105-SP-7.0
0.787-1.023	H2.5-2D	MP6SS5X16	SD105-SP-8.0

Aksesuarlar

Değiştirilebilir Çubuk	Tork anahtarı
H00-1.5	H00-1509
H00-1.5	H00-1509
H00-2.0	H00-2020
H00-2.5	H00-2530
H00-2.5	H00-2535

SD107

Delme derinliği ~ 7 x D – Metrik sap



- SD107 -R7 sap
- İçten soğutma sıvısı
- ISO9766 şu tutuculara uyar: Weldon 1835B, ISO 5414, DIN 60880
- Kesme verileri için, bakınız sayfa 199

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	BD	LFS	LS	DMM	DF
		mm	mm	mm	mm	mm	mm	mm	mm	mm
SD107-12.00/12.49-90-16R7	02427470	12,0-12,49	90,0	166,5	100,5	11,5	118,5	48,0	16,0	20,0
SD107-12.50/12.99-90-16R7	02427472	12,5-12,99	90,0	167,0	101,0	12,0	119,0	48,0	16,0	20,0
SD107-13.00/13.99-90-16R7	02427473	13,0-13,99	90,0	167,5	101,5	12,5	119,5	48,0	16,0	20,0
SD107-14.00/14.99-110-16R7	02427474	14,0-14,99	110,0	188,0	122,0	13,5	140,0	48,0	16,0	20,0
SD107-15.00/15.99-110-16R7	02427476	15,0-15,99	110,0	189,0	123,0	14,5	141,0	48,0	16,0	20,0
SD107-16.00/16.99-110-16R7	02427443	16,0-16,99	110,0	189,5	123,5	15,5	141,5	48,0	16,0	20,0
SD107-17.00/17.99-130-20R7	02427478	17,0-17,99	130,0	212,5	144,5	16,5	162,5	50,0	20,0	25,0
SD107-18.00/18.99-130-20R7	02427479	18,0-18,99	130,0	213,5	145,5	17,5	163,5	50,0	20,0	25,0
SD107-19.00/19.99-130-20R7	02427480	19,0-19,99	130,0	214,5	146,5	18,5	164,5	50,0	20,0	25,0
SD107-20.00/21.99-175-25R7	02530422	20,0-21,99	175,0	264,5	188,5	19,5	208,5	56,0	25,0	31,0
SD107-22.00/23.99-175-25R7	02530423	22,0-23,99	175,0	264,5	188,5	21,5	208,5	56,0	25,0	31,0
SD107-24.00/25.99-175-25R7	02517867	24,0-25,99	175,0	264,5	188,5	23,5	208,5	56,0	25,0	31,0

Yedek parçalar

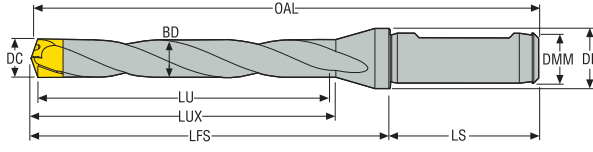
Şu matkap çapı için (mm)	Anahtar	Sıkma vidası	Yedek parça seti
12,00-13,99	H1.5-2D	MP6SS3X12	SD107-SP-5.0
14,00-16,99	H2.0-2D	MP6SS4X12	SD107-SP-6.0
17,00-19,99	H2.5-2D	MP6SS5X16	SD107-SP-7.0
20,00-25,99	H2.5-2D	MP6SS5X16	SD107-SP-8.0

Aksesuarlar

Değiştirilebilir Çubuk	Tork anahtarı
H00-1.5	H00-1509
H00-2.0	H00-2020
H00-2.5	H00-2530
H00-2.5	H00-2535

SD107 -R7 Sap

Delme derinliği ~ 7 x D – inç sap



- ISO9766 şu tutuculara uyar: Weldon 1835B, ISO 5414, DIN 60880
- İçten soğutma sıvısı
- Kesme verileri için, bakınız sayfa 199

Ürün Tanımı	Ürün numarası	Maks. Delme	Matkap çapı DC	LU	BD	DF	OAL	LS	LFS	LUX	DMM
		derinliği l _d (mm)									
		İnç	İnç	İnç	İnç	İnç	İnç	İnç	İnç	İnç	İnç
SD107-12.00/12.49-90-0625R7	00040003	3.543	0.472-0.492	3.543	0.453	0.787	6.555	1.890	4.665	3.957	0.625
SD107-12.50/12.99-90-0625R7	00040004	3.543	0.492-0.511	3.543	0.472	0.787	6.575	1.890	4.685	3.976	0.625
SD107-13.00/13.99-90-0625R7	00040005	3.543	0.512-0.551	3.543	0.492	0.787	6.594	1.890	4.705	3.996	0.625
SD107-14.00/14.99-110-0625R7	00040006	4.331	0.551-0.590	4.331	0.531	0.787	7.402	1.890	5.512	4.803	0.625
SD107-15.00/15.99-110-0625R7	00040007	4.331	0.591-0.630	4.331	0.571	0.787	7.441	1.890	5.551	4.843	0.625
SD107-16.00/16.99-110-0625R7	00040008	4.331	0.630-0.669	4.331	0.610	0.787	7.461	1.890	5.571	4.862	0.625
SD107-17.00/17.99-130-0750R7	00040009	5.118	0.669-0.708	5.118	0.650	0.984	8.366	1.969	6.398	5.689	0.750
SD107-18.00/18.99-130-0750R7	00040010	5.118	0.709-0.748	5.118	0.689	0.984	8.406	1.969	6.437	5.728	0.750
SD107-19.00/19.99-130-0750R7	00040011	5.118	0.748-0.787	5.118	0.728	0.984	8.445	1.969	6.476	5.768	0.750
SD107-20.00/21.99-175-1000R7	02529095	6.890	0.787-0.866	6.890	0.768	1.220	10.413	2.205	8.209	7.421	1.000
SD107-22.00/23.99-175-1000R7	02530424	6.890	0.866-0.944	6.890	0.846	1.220	10.413	2.205	8.209	7.421	1.000
SD107-24.00/25.99-175-1000R7	02530425	6.890	0.945-1.023	6.890	0.925	1.220	10.413	2.205	8.209	7.421	1.000

Yedek parçalar

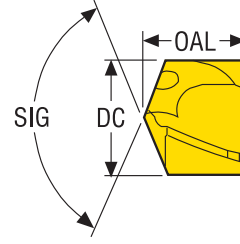
Şu matkap çapı için (inç)	Anahtar	Sıkma vidası	Yedek parça seti
0.472-0.551	H1.5-2D	MP6SS3X12	SD107-SP-5.0
0.551-0.669	H2.0-2D	MP6SS4X12	SD107-SP-6.0
0.669-0.787	H2.5-2D	MP6SS5X16	SD107-SP-7.0
0.787-1.023	H2.5-2D	MP6SS5X16	SD107-SP-8.0

Aksesuarlar

Şu matkap çapı için (inç)	Değiştirilebilir Çubuk	Tork anahtarı
0.472-0.551	H00-1.5	H00-1509
0.551-0.669	H00-2.0	H00-2020
0.669-0.787	H00-2.5	H00-2530
0.787-1.023	H00-2.5	H00-2535

Crownloc uçlar – P, M ve K geometriler

Uç nokta açısı: 140°



Ürün Tanımı	Ürün numarası	P-geometri Çelik için	M-geometri Paslanmaz çelik ve yüksek ısı alaşımları için	K-geometri Dökme demir için	DC		OAL	
					mm	İnç	mm	İnç
SD100-9.52-M	02700334	-	■	-	9,52	0.375	8,08	0.318
SD100-9.52-P	02673829	■	-	-	9,52	0.375	8,08	0.318
SD100-10.00-M	02469072	-	■	-	10,0	0.394	8,1	0.319
SD100-10.00-P	02469022	■	-	-	10,0	0.394	8,1	0.319
SD100-10.10-P	02469024	■	-	-	10,1	0.398	8,1	0.319
SD100-10.20-K	02544440	-	-	■	10,2	0.402	8,1	0.319
SD100-10.20-M	02469074	-	■	-	10,2	0.402	8,1	0.319
SD100-10.20-P	02469025	■	-	-	10,2	0.402	8,1	0.319
SD100-10.30-P	02469026	■	-	-	10,3	0.406	8,1	0.319
SD100-10.319-M	02469075	-	■	-	10,319	0.406	8,1	0.319
SD100-10.319-P	02469027	■	-	-	10,319	0.406	8,1	0.319
SD100-10.40-P	02592734	■	-	-	10,4	0.409	8,1	0.319
SD100-10.50-K	02556726	-	-	■	10,5	0.413	8,5	0.335
SD100-10.50-M	02469076	-	■	-	10,5	0.413	8,5	0.335
SD100-10.50-P	02469034	■	-	-	10,5	0.413	8,5	0.335
SD100-10.70-P	02469036	■	-	-	10,7	0.421	8,5	0.335
SD100-10.716-P	02469037	■	-	-	10,716	0.422	8,5	0.335
SD100-10.80-M	02469078	-	■	-	10,8	0.425	8,5	0.335
SD100-10.80-P	02469038	■	-	-	10,8	0.425	8,5	0.335
SD100-10.90-P	02469041	■	-	-	10,9	0.429	8,5	0.335
SD100-11.00-M	02469079	-	■	-	11,0	0.433	8,8	0.346
SD100-11.00-P	02469052	■	-	-	11,0	0.433	8,8	0.346
SD100-11.113-M	02469080	-	■	-	11,113	0.438	8,8	0.346
SD100-11.113-P	02469056	■	-	-	11,113	0.438	8,8	0.346
SD100-11.20-M	02469082	-	■	-	11,2	0.441	8,8	0.346
SD100-11.20-P	02469058	■	-	-	11,2	0.441	8,8	0.346
SD100-11.30-P	02469063	■	-	-	11,3	0.445	8,8	0.346
SD100-11.50-P	02469065	■	-	-	11,5	0.453	9,4	0.370
SD100-11.509-M	02469083	-	■	-	11,509	0.453	9,4	0.370
SD100-11.509-P	02469067	■	-	-	11,509	0.453	9,4	0.370
SD100-11.70-P	02469068	■	-	-	11,7	0.461	9,4	0.370
SD100-11.80-K	02542583	-	-	■	11,8	0.465	9,4	0.370
SD100-11.80-M	02469085	-	■	-	11,8	0.465	9,4	0.370
SD100-11.80-P	02469069	■	-	-	11,8	0.465	9,4	0.370
SD100-11.907-M	02592744	-	■	-	11,907	0.469	9,4	0.370
SD100-11.907-P	02469070	■	-	-	11,907	0.469	9,4	0.370
SD100-12.00-K	00090316	-	-	■	12,0	0.472	9,6	0.378
SD100-12.00-M	00090315	-	■	-	12,0	0.472	9,6	0.378

Ürün Tanımı	Ürün numarası	P-geometri Çelik için	M-geometri Paslanmaz çelik ve yüksek ısı alaşımları için	K-geometri Dökme demir için	DC		OAL	
					mm	İnç	mm	İnç
SD100-12.00-P	00090314	■	-	-	12,0	0.472	9,6	0.378
SD100-12.10-P	00039002	■	-	-	12,1	0.476	9,6	0.378
SD100-12.20-P	00048248	■	-	-	12,2	0.480	9,6	0.378
SD100-12.30-M	00071559	-	■	-	12,3	0.484	9,6	0.378
SD100-12.30-P	00071546	■	-	-	12,3	0.484	9,6	0.378
SD100-12.41-M	00059768	-	■	-	12,41	0.489	9,6	0.378
SD100-12.41-P	00059767	■	-	-	12,41	0.489	9,6	0.378
SD100-12.50-K	00090319	-	-	■	12,5	0.492	10,0	0.394
SD100-12.50-M	00090318	-	■	-	12,5	0.492	10,0	0.394
SD100-12.50-P	00090317	■	-	-	12,5	0.492	10,0	0.394
SD100-12.60-P	02207212	■	-	-	12,6	0.496	10,0	0.394
SD100-12.70-K	00059633	-	-	■	12,7	0.500	10,0	0.394
SD100-12.70-M	00059632	-	■	-	12,7	0.500	10,0	0.394
SD100-12.70-P	00059631	■	-	-	12,7	0.500	10,0	0.394
SD100-12.80-K	00059636	-	-	■	12,8	0.504	10,0	0.394
SD100-12.80-M	00059635	-	■	-	12,8	0.504	10,0	0.394
SD100-12.80-P	00059634	■	-	-	12,8	0.504	10,0	0.394
SD100-12.90-M	02503935	-	■	-	12,9	0.508	10,0	0.394
SD100-12.90-P	00030891	■	-	-	12,9	0.508	10,0	0.394
SD100-13.00-K	00098529	-	-	■	13,0	0.512	10,4	0.409
SD100-13.00-M	00098528	-	■	-	13,0	0.512	10,4	0.409
SD100-13.00-P	00098527	■	-	-	13,0	0.512	10,4	0.409
SD100-13.10-K	00059639	-	-	■	13,1	0.516	10,4	0.409
SD100-13.10-M	00059638	-	■	-	13,1	0.516	10,4	0.409
SD100-13.10-P	00059637	■	-	-	13,1	0.516	10,4	0.409
SD100-13.20-P	00030894	■	-	-	13,2	0.520	10,4	0.409
SD100-13.30-M	00059641	-	■	-	13,3	0.524	10,4	0.409
SD100-13.30-P	00059640	■	-	-	13,3	0.524	10,4	0.409
SD100-13.50-K	00098532	-	-	■	13,5	0.531	10,4	0.409
SD100-13.50-M	00098531	-	■	-	13,5	0.531	10,4	0.409
SD100-13.50-P	00098530	■	-	-	13,5	0.531	10,4	0.409
SD100-13.70-M	00059644	-	■	-	13,7	0.539	10,4	0.409
SD100-13.70-P	00059643	■	-	-	13,7	0.539	10,4	0.409
SD100-13.80-K	00059648	-	-	■	13,8	0.543	10,4	0.409
SD100-13.80-M	00059647	-	■	-	13,8	0.543	10,4	0.409
SD100-13.80-P	00059646	■	-	-	13,8	0.543	10,4	0.409
SD100-13.89-M	00059771	-	■	-	13,89	0.547	10,4	0.409
SD100-13.89-P	00059770	■	-	-	13,89	0.547	10,4	0.409
SD100-14.00-K	00090322	-	-	■	14,0	0.551	11,0	0.433
SD100-14.00-M	00090321	-	■	-	14,0	0.551	11,0	0.433
SD100-14.00-P	00090320	■	-	-	14,0	0.551	11,0	0.433
SD100-14.10-P	00082712	■	-	-	14,1	0.555	11,0	0.433
SD100-14.20-K	00071549	-	-	■	14,2	0.559	11,0	0.433
SD100-14.20-M	00071561	-	■	-	14,2	0.559	11,0	0.433
SD100-14.20-P	00071548	■	-	-	14,2	0.559	11,0	0.433
SD100-14.29-K	00059675	-	-	■	14,29	0.563	11,0	0.433
SD100-14.29-M	00059674	-	■	-	14,29	0.563	11,0	0.433
SD100-14.29-P	00059673	■	-	-	14,29	0.563	11,0	0.433
SD100-14.40-P	02207869	■	-	-	14,4	0.567	11,0	0.433
SD100-14.50-K	00090325	-	-	■	14,5	0.571	11,0	0.433

Ürün Tanımı	Ürün numarası	P-geometri Çelik için	M-geometri Paslanmaz çelik ve yüksek ısı alaşımları için	K-geometri Dökme demir için	DC		OAL	
					mm	İnç	mm	İnç
SD100-14.50-M	00090324	-	■	-	14,5	0.571	11,0	0.433
SD100-14.50-P	00090323	■	-	-	14,5	0.571	11,0	0.433
SD100-14.68-K	00059775	-	-	■	14,68	0.578	11,0	0.433
SD100-14.68-M	00059774	-	■	-	14,68	0.578	11,0	0.433
SD100-14.68-P	00059773	■	-	-	14,68	0.578	11,0	0.433
SD100-14.70-M	00059650	-	■	-	14,7	0.579	11,0	0.433
SD100-14.70-P	00059649	■	-	-	14,7	0.579	11,0	0.433
SD100-14.80-M	00059653	-	■	-	14,8	0.583	11,0	0.433
SD100-14.80-P	00059652	■	-	-	14,8	0.583	11,0	0.433
SD100-14.90-M	02592745	-	■	-	14,9	0.587	11,0	0.433
SD100-14.90-P	00030895	■	-	-	14,9	0.587	11,0	0.433
SD100-15.00-K	00090328	-	-	■	15,0	0.591	11,9	0.469
SD100-15.00-M	00090327	-	■	-	15,0	0.591	11,9	0.469
SD100-15.00-P	00090326	■	-	-	15,0	0.591	11,9	0.469
SD100-15.08-M	00059777	-	■	-	15,08	0.594	11,9	0.469
SD100-15.08-P	00059776	■	-	-	15,08	0.594	11,9	0.469
SD100-15.10-P	00079342	■	-	-	15,1	0.594	11,9	0.469
SD100-15.20-P	00030896	■	-	-	15,2	0.598	11,9	0.469
SD100-15.25-K	00071551	-	-	■	15,25	0.600	11,9	0.469
SD100-15.25-M	00071562	-	■	-	15,25	0.600	11,9	0.469
SD100-15.25-P	00071550	■	-	-	15,25	0.600	11,9	0.469
SD100-15.48-K	00022926	-	-	■	15,48	0.609	11,9	0.469
SD100-15.48-M	00059780	-	■	-	15,48	0.609	11,9	0.469
SD100-15.48-P	00059779	■	-	-	15,48	0.609	11,9	0.469
SD100-15.50-K	00098535	-	-	■	15,5	0.610	11,9	0.469
SD100-15.50-M	00098534	-	■	-	15,5	0.610	11,9	0.469
SD100-15.50-P	00098533	■	-	-	15,5	0.610	11,9	0.469
SD100-15.70-M	00059656	-	■	-	15,7	0.618	11,9	0.469
SD100-15.70-P	00059655	■	-	-	15,7	0.618	11,9	0.469
SD100-15.80-K	00059660	-	-	■	15,8	0.622	11,9	0.469
SD100-15.80-M	00059659	-	■	-	15,8	0.622	11,9	0.469
SD100-15.80-P	00059658	■	-	-	15,8	0.622	11,9	0.469
SD100-15.88-K	00059678	-	-	■	15,88	0.625	11,9	0.469
SD100-15.88-M	00059677	-	■	-	15,88	0.625	11,9	0.469
SD100-15.88-P	00059676	■	-	-	15,88	0.625	11,9	0.469
SD100-16.00-K	00098538	-	-	■	16,0	0.630	12,6	0.496
SD100-16.00-M	00098537	-	■	-	16,0	0.630	12,6	0.496
SD100-16.00-P	00098536	■	-	-	16,0	0.630	12,6	0.496
SD100-16.10-P	00077964	■	-	-	16,1	0.634	12,6	0.496
SD100-16.20-P	00047365	■	-	-	16,2	0.638	12,6	0.496
SD100-16.25-P	00034081	■	-	-	16,25	0.640	12,6	0.496
SD100-16.27-K	00022929	-	-	■	16,27	0.641	12,6	0.496
SD100-16.27-M	00022928	-	■	-	16,27	0.641	12,6	0.496
SD100-16.27-P	00022927	■	-	-	16,27	0.641	12,6	0.496
SD100-16.40-P	02301114	■	-	-	16,4	0.646	12,6	0.496
SD100-16.50-K	00098541	-	-	■	16,5	0.650	12,6	0.496
SD100-16.50-M	00098540	-	■	-	16,5	0.650	12,6	0.496
SD100-16.50-P	00098539	■	-	-	16,5	0.650	12,6	0.496
SD100-16.67-K	00059681	-	-	■	16,67	0.656	12,6	0.496
SD100-16.67-M	00059680	-	■	-	16,67	0.656	12,6	0.496

Ürün Tanımı	Ürün numarası	P-geometri Çelik için	M-geometri Paslanmaz çelik ve yüksek ısı alaşımları için	K-geometri Dökme demir için	DC		OAL	
					mm	İnç	mm	İnç
SD100-16.67-P	00059679	■	-	-	16,67	0.656	12,6	0.496
SD100-16.70-K	00059663	-	-	■	16,7	0.657	12,6	0.496
SD100-16.70-M	00059662	-	■	-	16,7	0.657	12,6	0.496
SD100-16.70-P	00059661	■	-	-	16,7	0.657	12,6	0.496
SD100-16.80-K	00059666	-	-	■	16,8	0.661	12,6	0.496
SD100-16.80-M	00059665	-	■	-	16,8	0.661	12,6	0.496
SD100-16.80-P	00059664	■	-	-	16,8	0.661	12,6	0.496
SD100-16.90-M	02593463	-	■	-	16,9	0.665	12,6	0.496
SD100-16.90-P	00030898	■	-	-	16,9	0.665	12,6	0.496
SD100-17.00-K	00090331	-	-	■	17,0	0.669	13,3	0.524
SD100-17.00-M	00090330	-	■	-	17,0	0.669	13,3	0.524
SD100-17.00-P	00090329	■	-	-	17,0	0.669	13,3	0.524
SD100-17.07-K	00022933	-	-	■	17,07	0.672	13,3	0.524
SD100-17.07-M	00022932	-	■	-	17,07	0.672	13,3	0.524
SD100-17.07-P	00022931	■	-	-	17,07	0.672	13,3	0.524
SD100-17.10-P	00034083	■	-	-	17,1	0.673	13,3	0.524
SD100-17.20-K	02515762	-	-	■	17,2	0.677	13,3	0.524
SD100-17.20-P	00047714	■	-	-	17,2	0.677	13,3	0.524
SD100-17.30-K	02203711	-	-	■	17,3	0.681	13,3	0.524
SD100-17.46-M	00059683	-	■	-	17,46	0.687	13,3	0.524
SD100-17.46-P	00059682	■	-	-	17,46	0.687	13,3	0.524
SD100-17.50-K	00090334	-	-	■	17,5	0.689	13,3	0.524
SD100-17.50-M	00090333	-	■	-	17,5	0.689	13,3	0.524
SD100-17.50-P	00090332	■	-	-	17,5	0.689	13,3	0.524
SD100-17.70-K	00059669	-	-	■	17,7	0.697	13,3	0.524
SD100-17.70-M	00059668	-	■	-	17,7	0.697	13,3	0.524
SD100-17.70-P	00059667	■	-	-	17,7	0.697	13,3	0.524
SD100-17.80-K	00059672	-	-	■	17,8	0.701	13,3	0.524
SD100-17.80-M	00059671	-	■	-	17,8	0.701	13,3	0.524
SD100-17.80-P	00059670	■	-	-	17,8	0.701	13,3	0.524
SD100-17.86-K	00022936	-	-	■	17,86	0.703	13,3	0.524
SD100-17.86-M	00022935	-	■	-	17,86	0.703	13,3	0.524
SD100-17.86-P	00022934	■	-	-	17,86	0.703	13,3	0.524
SD100-17.90-M	02442098	-	■	-	17,9	0.705	13,3	0.524
SD100-17.90-P	00047693	■	-	-	17,9	0.705	13,3	0.524
SD100-18.00-K	00090337	-	-	■	18,0	0.709	14,4	0.567
SD100-18.00-M	00090336	-	■	-	18,0	0.709	14,4	0.567
SD100-18.00-P	00090335	■	-	-	18,0	0.709	14,4	0.567
SD100-18.10-P	00030900	■	-	-	18,1	0.713	14,4	0.567
SD100-18.20-P	00038469	■	-	-	18,2	0.717	14,4	0.567
SD100-18.26-K	00035196	-	-	■	18,26	0.719	14,4	0.567
SD100-18.26-M	00022938	-	■	-	18,26	0.719	14,4	0.567
SD100-18.26-P	00022937	■	-	-	18,26	0.719	14,4	0.567
SD100-18.50-K	00059687	-	-	■	18,5	0.728	14,4	0.567
SD100-18.50-M	00059686	-	■	-	18,5	0.728	14,4	0.567
SD100-18.50-P	00059685	■	-	-	18,5	0.728	14,4	0.567
SD100-18.65-M	00035198	-	■	-	18,65	0.734	14,4	0.567
SD100-18.65-P	00035197	■	-	-	18,65	0.734	14,4	0.567
SD100-18.70-M	00059689	-	■	-	18,7	0.736	14,4	0.567
SD100-18.70-P	00059688	■	-	-	18,7	0.736	14,4	0.567

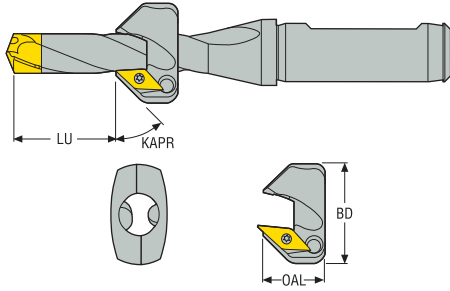
Ürün Tanımı	Ürün numarası	P-geometri Çelik için	M-geometri Paslanmaz çelik ve yüksek ısı alaşımları için	K-geometri Dökme demir için	DC		OAL	
					mm	İnç	mm	İnç
SD100-18.80-K	00059693	-	-	■	18,8	0.740	14,4	0.567
SD100-18.80-M	00059692	-	■	-	18,8	0.740	14,4	0.567
SD100-18.80-P	00059691	■	-	-	18,0	0.709	14,4	0.567
SD100-18.90-M	02592746	-	■	-	18,9	0.744	14,4	0.567
SD100-18.90-P	00030901	■	-	-	18,9	0.744	14,4	0.567
SD100-19.00-K	00059696	-	-	■	19,0	0.748	15,2	0.598
SD100-19.00-M	00059695	-	■	-	19,0	0.748	15,2	0.598
SD100-19.00-P	00059694	■	-	-	19,0	0.748	15,2	0.598
SD100-19.05-K	00059699	-	-	■	19,05	0.750	15,2	0.598
SD100-19.05-M	00059698	-	■	-	19,05	0.750	15,2	0.598
SD100-19.05-P	00059697	■	-	-	19,05	0.750	15,2	0.598
SD100-19.10-P	00030902	■	-	-	19,1	0.752	15,2	0.598
SD100-19.20-K	00071566	-	-	■	19,2	0.756	15,2	0.598
SD100-19.20-M	00071564	-	■	-	19,2	0.756	15,2	0.598
SD100-19.20-P	00071563	■	-	-	19,2	0.756	15,2	0.598
SD100-19.25-P	00048318	■	-	-	19,25	0.758	15,2	0.598
SD100-19.45-K	00035202	-	-	■	19,45	0.766	15,2	0.598
SD100-19.45-M	00035201	-	■	-	19,45	0.766	15,2	0.598
SD100-19.45-P	00035200	■	-	-	19,45	0.766	15,2	0.598
SD100-19.50-K	00059702	-	-	■	19,5	0.768	15,2	0.598
SD100-19.50-M	00059701	-	■	-	19,5	0.768	15,2	0.598
SD100-19.50-P	00059700	■	-	-	19,5	0.768	15,2	0.598
SD100-19.70-K	00059705	-	-	■	19,7	0.776	15,2	0.598
SD100-19.70-M	00059704	-	■	-	19,7	0.776	15,2	0.598
SD100-19.70-P	00059703	■	-	-	19,7	0.776	15,2	0.598
SD100-19.80-K	00059708	-	-	■	19,8	0.780	15,2	0.598
SD100-19.80-M	00059707	-	■	-	19,8	0.780	15,2	0.598
SD100-19.80-P	00059706	■	-	-	19,8	0.780	15,2	0.598
SD100-19.84-M	00035204	-	■	-	19,84	0.781	15,2	0.598
SD100-19.84-P	00035203	■	-	-	19,84	0.781	15,2	0.598
SD100-19.90-M	02592747	-	■	-	19,9	0.783	15,2	0.598
SD100-19.90-P	00010065	■	-	-	19,9	0.783	15,2	0.598
SD100-19.99-P	00081744	■	-	-	19,99	0.787	15,2	0.598
SD100-20.00-K	02433368	-	-	■	20,0	0.787	15,2	0.598
SD100-20.00-M	02469176	-	■	-	20,0	0.787	15,2	0.598
SD100-20.00-P	02469095	■	-	-	20,0	0.787	15,2	0.598
SD100-20.241-P	02469096	■	-	-	20,241	0.797	15,2	0.598
SD100-20.50-K	02569177	-	-	■	20,5	0.807	15,2	0.598
SD100-20.50-M	02469178	-	■	-	20,5	0.807	15,2	0.598
SD100-20.50-P	02469098	■	-	-	20,5	0.807	15,2	0.598
SD100-20.638-M	02469179	-	■	-	20,638	0.813	15,2	0.598
SD100-20.638-P	02469100	■	-	-	20,638	0.813	15,2	0.598
SD100-20.80-P	02508750	■	-	-	20,8	0.819	15,2	0.598
SD100-20.90-P	02586615	■	-	-	20,9	0.823	15,2	0.598
SD100-21.00-K	02523183	-	-	■	21,0	0.827	15,2	0.598
SD100-21.00-M	02469180	-	■	-	21,0	0.827	15,2	0.598
SD100-21.00-P	02469118	■	-	-	21,0	0.827	15,2	0.598
SD100-21.034-P	02469120	■	-	-	21,034	0.828	15,2	0.598
SD100-21.20-P	02469121	■	-	-	21,2	0.835	15,2	0.598
SD100-21.30-P	02521624	■	-	-	21,3	0.839	15,2	0.598

Ürün Tanımı	Ürün numarası	P-geometri Çelik için	M-geometri Paslanmaz çelik ve yüksek ısı alaşımları için	K-geometri Dökme demir için	DC		OAL	
					mm	İnç	mm	İnç
SD100-21.430-M	02469182	-	■	-	21,43	0.844	15,2	0.598
SD100-21.430-P	02469122	■	-	-	21,43	0.844	15,2	0.598
SD100-21.50-K	02521338	-	-	■	21,5	0.846	15,2	0.598
SD100-21.50-M	02469183	-	■	-	21,5	0.846	15,2	0.598
SD100-21.50-P	02469124	■	-	-	21,5	0.846	15,2	0.598
SD100-21.80-K	02592763	-	-	■	21,8	0.858	15,2	0.598
SD100-21.80-M	02555978	-	■	-	21,8	0.858	15,2	0.598
SD100-21.80-P	02592735	■	-	-	21,8	0.858	15,2	0.598
SD100-21.829-P	02469125	■	-	-	21,829	0.859	15,2	0.598
SD100-21.90-M	02592752	-	■	-	21,9	0.862	15,2	0.598
SD100-21.90-P	02592736	■	-	-	21,9	0.862	15,2	0.598
SD100-22.00-K	02511599	-	-	■	22,0	0.866	15,2	0.598
SD100-22.00-M	02469185	-	■	-	22,0	0.866	15,2	0.598
SD100-22.00-P	02469128	■	-	-	22,0	0.866	15,2	0.598
SD100-22.225-M	02469186	-	■	-	22,225	0.875	15,2	0.598
SD100-22.225-P	02469129	■	-	-	22,225	0.875	15,2	0.598
SD100-22.50-K	02569178	-	-	■	22,5	0.886	15,2	0.598
SD100-22.50-M	02469188	-	■	-	22,5	0.886	15,2	0.598
SD100-22.50-P	02469132	■	-	-	22,5	0.886	15,2	0.598
SD100-22.621-P	02469133	■	-	-	22,621	0.891	15,2	0.598
SD100-22.80-M	02592754	-	■	-	22,8	0.898	15,2	0.598
SD100-22.80-P	02539323	■	-	-	22,8	0.898	15,2	0.598
SD100-22.90-P	02592738	■	-	-	22,9	0.902	15,2	0.598
SD100-23.00-K	02515181	-	-	■	23,0	0.906	15,2	0.598
SD100-23.00-M	02469189	-	■	-	23,0	0.906	15,2	0.598
SD100-23.00-P	02469134	■	-	-	23,0	0.906	15,2	0.598
SD100-23.416-P	02469136	■	-	-	23,416	0.922	15,2	0.598
SD100-23.50-K	02551252	-	-	■	23,5	0.925	15,2	0.598
SD100-23.50-M	02469190	-	■	-	23,5	0.925	15,2	0.598
SD100-23.50-P	02469138	■	-	-	23,5	0.925	15,2	0.598
SD100-23.813-K	02592766	-	-	■	23,813	0.938	15,2	0.598
SD100-23.813-M	02554971	-	■	-	23,813	0.938	15,2	0.598
SD100-23.813-P	02469140	■	-	-	23,813	0.938	15,2	0.598
SD100-23.90-M	02592756	-	■	-	23,9	0.941	15,2	0.598
SD100-23.90-P	02592739	■	-	-	23,9	0.941	15,2	0.598
SD100-24.00-K	02569179	-	-	■	24,0	0.945	15,2	0.598
SD100-24.00-M	02469191	-	■	-	24,0	0.945	15,2	0.598
SD100-24.00-P	02469141	■	-	-	24,0	0.945	15,2	0.598
SD100-24.209-P	02469142	■	-	-	24,209	0.953	15,2	0.598
SD100-24.50-K	02569180	-	-	■	24,5	0.965	15,2	0.598
SD100-24.50-M	02469192	-	■	-	24,5	0.965	15,2	0.598
SD100-24.50-P	02469144	■	-	-	24,5	0.965	15,2	0.598
SD100-24.605-P	02469145	■	-	-	24,605	0.969	15,2	0.598
SD100-24.80-K	02592767	-	-	■	24,8	0.976	15,2	0.598
SD100-24.80-M	02508165	-	■	-	24,8	0.976	15,2	0.598
SD100-24.80-P	02529665	■	-	-	24,8	0.976	15,2	0.598
SD100-24.90-M	02592757	-	■	-	24,9	0.980	15,2	0.598
SD100-24.90-P	02592740	■	-	-	24,9	0.980	15,2	0.598
SD100-25.00-K	02524629	-	-	■	25,0	0.984	15,2	0.598
SD100-25.00-M	02469193	-	■	-	25,0	0.984	15,2	0.598

Ürün Tanımı	Ürün numarası	P-geometri Çelik için	M-geometri Paslanmaz çelik ve yüksek ısı alaşımları için	K-geometri Dökme demir için	DC		OAL	
					mm	İnç	mm	İnç
SD100-25.00-P	02469146	■	-	-	25,0	0.984	15,2	0.598
SD100-25.40-K	02569181	-	-	■	25,4	1.000	15,2	0.598
SD100-25.400-M	02469194	-	■	-	25,4	1.000	15,2	0.598
SD100-25.400-P	02469147	■	-	-	25,4	1.000	15,2	0.598
SD100-25.50-P	02536609	■	-	-	25,5	1.004	15,2	0.598
SD100-25.60-P	02519477	■	-	-	25,6	1.008	15,2	0.598
SD100-25.80-M	02592758	-	■	-	25,8	1.016	15,2	0.598
SD100-25.80-P	02581593	■	-	-	25,8	1.016	15,2	0.598
SD100-25.90-M	02592759	-	■	-	25,9	1.020	15,2	0.598
SD100-25.90-P	02592741	■	-	-	25,9	1.020	15,2	0.598
SD100-25.99-K	02516403	-	-	■	25,99	1.023	15,2	0.598
SD100-25.99-P	02516402	■	-	-	25,99	1.023	15,2	0.598

■ Stoklu standart ürün.

Havşa modülü



Ürün Tanımı	Ürün numarası	Şu matkap gövdesi için	Delme derinliği LU								Maks. havşa derinliği	OAL	BD
			SD101 (min-max)		SD103 (min-max)		SD105 (min-max)		SD107 (min-max)				
			mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç			
SD100-C45-12.00/12.49	00014922	SD10x-12.00/12.49	12,0 0.472	13,0 0.512	12,0 0.472	28,0 1.102	28,0 1.102	53,0 2.087	53,0 2.087	78,0 3.071	1,5 0.059	19,0 0.748	28,0 1.102
SD100-C45-12.50/12.99	00014923	SD10x-12.50/12.99	12,0 0.472	14,0 0.551	12,0 0.472	29,0 1.142	29,0 1.142	54,0 2.126	54,0 2.126	79,0 3.110	1,5 0.059	19,0 0.748	28,0 1.102
SD100-C45-13.00/13.99	00014924	SD10x-13.00/13.99	13,0 0.512	14,0 0.551	13,0 0.512	29,0 1.142	29,0 1.142	54,0 2.126	54,0 2.126	79,0 3.110	1,5 0.059	19,0 0.748	28,0 1.102
SD100-C45-14.00/14.99	00014928	SD10x-14.00/14.99	14,0 0.551	20,0 0.787	14,0 0.551	40,0 1.575	40,0 1.575	70,0 2.756	70,0 2.756	100,0 3.937	2,0 0.079	19,0 0.748	31,0 1.220
SD100-C45-15.00/15.99	00014931	SD10x-15.00/15.99	14,0 0.551	21,0 0.827	14,0 0.551	41,0 1.614	41,0 1.614	71,0 2.795	71,0 2.795	101,0 3.976	2,0 0.079	19,0 0.748	31,0 1.220
SD100-C45-16.00/16.99	00014932	SD10x-16.00/16.99	15,0 0.591	22,0 0.866	15,0 0.591	42,0 1.654	42,0 1.654	72,0 2.835	72,0 2.835	102,0 4.016	2,0 0.079	19,0 0.748	31,0 1.220
SD100-C45-17.00/17.99	00014933	SD10x-17.00/17.99	16,0 0.630	25,0 0.984	16,0 0.630	51,0 2.008	51,0 2.008	87,0 3.425	87,0 3.425	123,0 4.843	2,0 0.079	19,0 0.748	36,0 1.417
SD100-C45-18.00/18.99	00014935	SD10x-18.00/18.99	17,0 0.669	26,0 1.024	17,0 0.669	52,0 2.047	52,0 2.047	88,0 3.465	88,0 3.465	124,0 4.882	2,0 0.079	19,0 0.748	36,0 1.417
SD100-C45-19.00/19.99	00014936	SD10x-19.00/19.99	18,0 0.709	27,0 1.063	18,0 0.709	53,0 2.087	53,0 2.087	89,0 3.504	89,0 3.504	125,0 4.921	2,0 0.079	19,0 0.748	36,0 1.417

Yedek parçalar

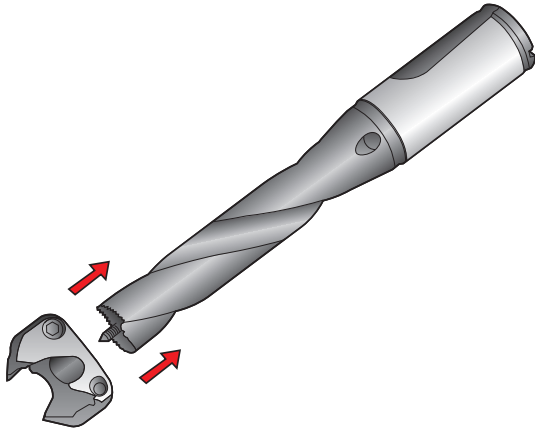
Şu matkap çapı için (mm)	Uç vidası		Uç anahtarı	
	Uç	Modül	Uç	Modül
SD100-12.00-16.99	C02205-T07P	C04011-T15P	T07P-2	T15P-2
SD100-17.00-19.99	C02205-T07P	C05012-T15P	T07P-2	T15P-2

Uç

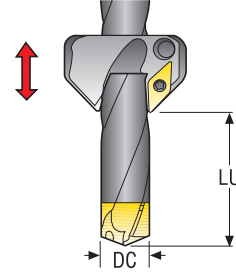
Toleranslar: mm/İnç	Ebat	IC	L	S	D1	RE
		mm/İnç	mm/İnç	mm/İnç	mm/İnç	mm/İnç
 IC = ±0,025/0.0009842" S = ±0,07/0.0027559" RE = ±0,10/0.0039370"	09	5,556/0.2187"	9,0/0.2187"	2,5/0.0984"	2,9/0.1141"	0,2/0.0078"
	Kalite: T400D Ürün Tanımı: VCGX090202-D1 Ürün numarası: 00014948					

Havşa modülü - Montaj talimatı/modülün yerleştirilmesi

1. Matkap ucu veya crown takılı değil iken modülü uçsuz olarak takın.

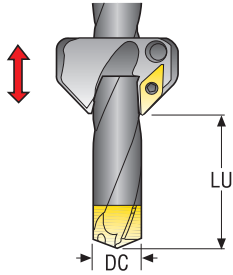


2.1 Mümkünse modülü matkabin sapına mümkün olduğu kadar yaklaştırın.



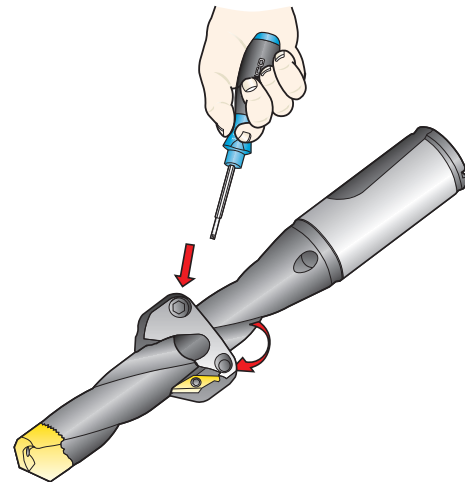
DC		LU Delme derinliği (min-maks)			
mm	inç	SD101		SD103	
mm	inç	mm	inç	mm	inç
12	.472	12-13	.472-.512	12-28	.472-1.102
12,5	.492	12-14	.472-.551	12-29	.472-1.142
13	.512	13-14	.512-.551	13-29	.512-1.142
14	.551	14-20	.551-.787	14-40	.551-1.575
15	.591	14-21	.551-.827	14-41	.551-1.614
16	.630	15-22	.591-.866	15-42	.591-1.654
17	.669	16-25	.630-.984	16-51	.630-2.008
18	.709	17-26	.669-1.024	17-52	.669-2.047
19	.748	18-27	.709-1.063	18-53	.709-2.087

2.2 Mümkünse modülü matkabin sapına mümkün olduğu kadar yaklaştırın.



DC		LU Delme derinliği (min-maks)			
mm	inç	SD105		SD107	
mm	inç	mm	inç	mm	inç
12	.472	28-53	1.102-2.087	53-78	2.087-3.071
12,5	.492	29-54	1.142-2.126	54-79	2.126-3.110
13	.512	29-54	1.142-2.126	54-79	2.126-3.110
14	.551	40-70	1.575-2.756	70-100	2.756-3.937
15	.591	41-71	1.614-2.785	71-101	2.795-3.976
16	.630	42-72	1.654-2.835	72-102	2.835-4.016
17	.669	51-87	2.008-3.425	87-123	3.425-4.843
18	.709	52-88	2.047-3.465	88-124	3.465-4.882
19	.748	53-89	2.087-3.504	89-125	3.504-4.921

4. Aşağıdaki tabloya göre her iki vidayı da sıkın.



DC		M	
mm	inç	Nm	in-lbs
12-19	.472-.748	3-4	26-35

Havşa modülü

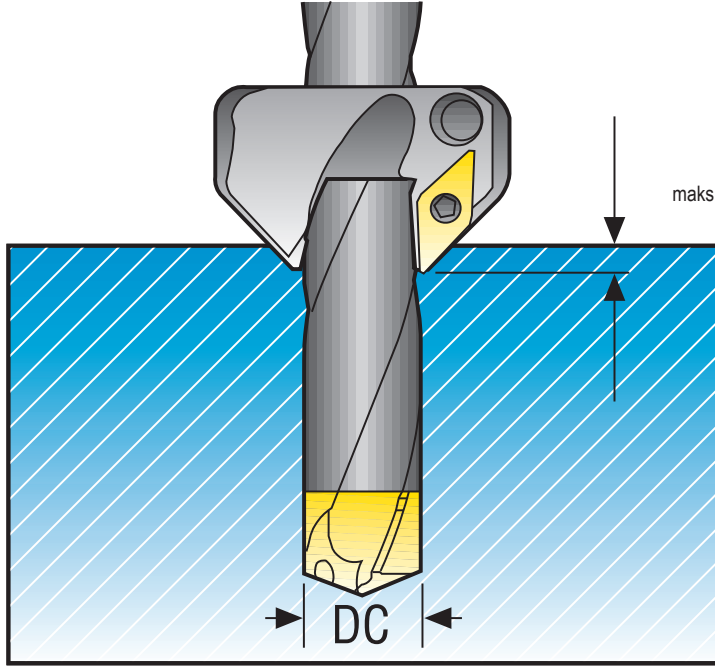
Crownloc® için tavsiye edilen kesme hızları ve ilerleme oranları havşa operasyonu için de kullanılabilir, bkz. sayfa 196-199.

Sorun giderme

Havşa esnasında oluşan titreşimler

- Kesme hızını düşürün
- Mümkünse modülü matkabın sapına biraz daha yaklaştırın
- Mümkünse daha kısa bir matkap kullanın

Maksimum havşa derinliği



DC		Maks.	
mm	inç	mm	inç
12-13	.472-512	1,5	.059
14-19	.551-.748	2	.079

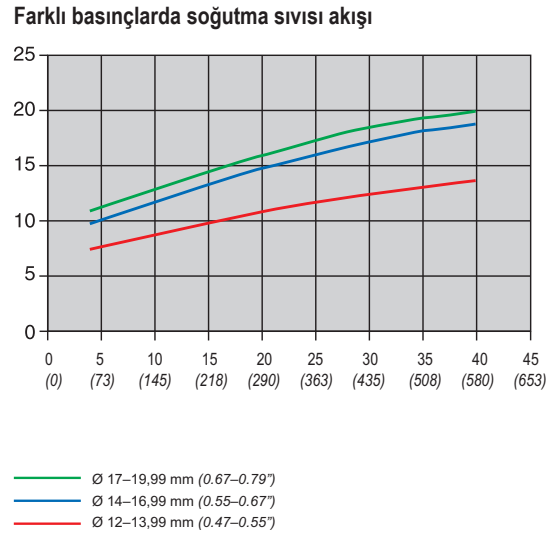
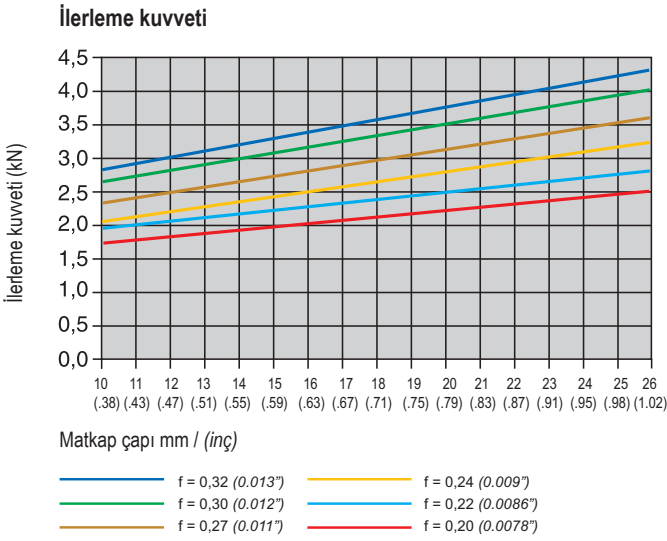
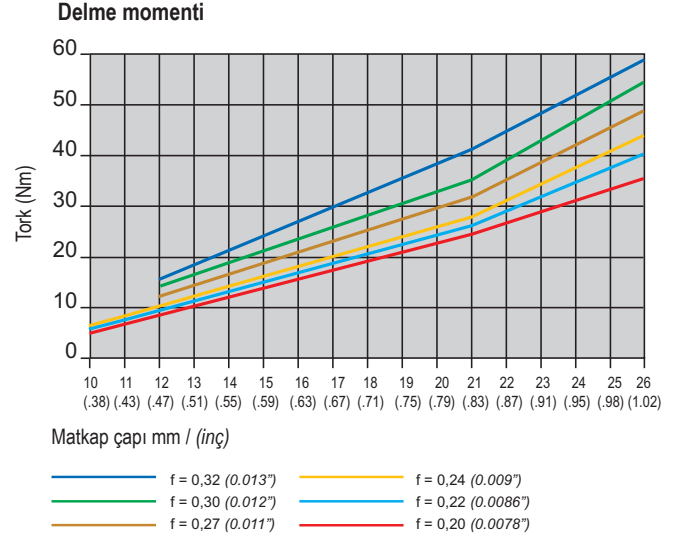
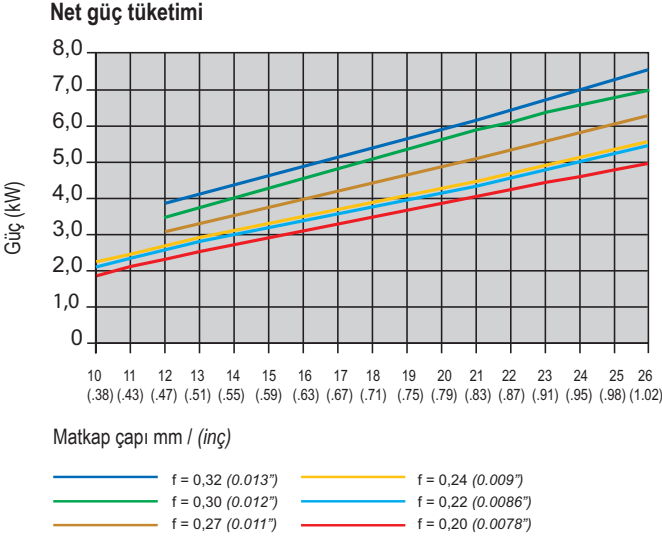
SD107 – Ø 10-26 mm / 0.394-1.024 inç

SMG		f								v _c
		Ø12.00 Ø 0.472	Ø14.00 Ø 0.551	Ø16.00 Ø 0.630	Ø18.00 Ø 0.709	Ø20.00 Ø 0.787	Ø22.00 Ø 0.866	Ø24.00 Ø 0.945	Ø26.00 Ø 1.024	
P1	P	0,24	0,26	0,28	0,30	0,32	0,34	0,34	0,36	110
	P	0.0095	0.010	0.011	0.012	0.013	0.013	0.013	0.014	360
P2	P	0,24	0,26	0,28	0,30	0,32	0,34	0,36	0,36	105
	P	0.0095	0.010	0.011	0.012	0.013	0.013	0.014	0.014	345
P3	P	0,22	0,25	0,26	0,28	0,30	0,32	0,34	0,34	90
	P	0.0085	0.010	0.010	0.011	0.012	0.013	0.013	0.013	295
P4	P	0,22	0,24	0,26	0,28	0,30	0,32	0,32	0,34	80
	P	0.0085	0.0095	0.010	0.011	0.012	0.013	0.013	0.013	260
P5	P	0,22	0,24	0,26	0,28	0,30	0,30	0,32	0,34	75
	P	0.0085	0.0095	0.010	0.011	0.012	0.012	0.013	0.013	245
P6	P	0,22	0,24	0,26	0,28	0,28	0,30	0,32	0,32	85
	P	0.0085	0.0095	0.010	0.011	0.011	0.012	0.013	0.013	280
P7	P	0,22	0,24	0,26	0,28	0,28	0,30	0,32	0,32	80
	P	0.0085	0.0095	0.010	0.011	0.011	0.012	0.013	0.013	260
P8	P	0,22	0,25	0,26	0,28	0,30	0,32	0,34	0,34	75
	P	0.0085	0.010	0.010	0.011	0.012	0.013	0.013	0.013	245
P11	P	0,22	0,24	0,26	0,28	0,28	0,30	0,32	0,32	80
	P	0.0085	0.0095	0.010	0.011	0.011	0.012	0.013	0.013	260
P12	P	0,15	0,16	0,18	0,19	0,20	0,20	0,22	0,22	47
	P	0.0060	0.0065	0.0070	0.0075	0.0080	0.0080	0.0085	0.0085	155
M1	M	0,15	0,15	0,16	0,16	0,16	0,17	0,17	0,17	75
	M	0.0060	0.0060	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	245
M2	M	0,13	0,14	0,14	0,15	0,15	0,15	0,16	0,16	60
	M	0.0050	0.0055	0.0055	0.0060	0.0060	0.0060	0.0065	0.0065	195
M3	M	0,11	0,11	0,11	0,12	0,12	0,12	0,12	0,13	45
	M	0.0044	0.0044	0.0044	0.0048	0.0048	0.0048	0.0048	0.0050	150
M4	M	0,095	0,095	0,10	0,10	0,10	0,11	0,11	0,11	34
	M	0.0038	0.0038	0.0040	0.0040	0.0040	0.0044	0.0044	0.0044	110
M5	M	0,095	0,095	0,10	0,10	0,10	0,11	0,11	0,11	28
	M	0.0038	0.0038	0.0040	0.0040	0.0040	0.0044	0.0044	0.0044	90
K1	K	0,32	0,34	0,36	0,38	0,40	0,42	0,42	0,44	85
	K	0.013	0.013	0.014	0.015	0.016	0.017	0.017	0.017	280
K2	K	0,28	0,30	0,32	0,34	0,36	0,38	0,38	0,40	75
	K	0.011	0.012	0.013	0.013	0.014	0.015	0.015	0.016	245
K3	K	0,28	0,30	0,32	0,34	0,36	0,38	0,38	0,40	60
	K	0.011	0.012	0.013	0.013	0.014	0.015	0.015	0.016	195
K4	K	0,28	0,30	0,32	0,34	0,36	0,38	0,38	0,40	60
	K	0.011	0.012	0.013	0.013	0.014	0.015	0.015	0.016	195
K5	K	0,26	0,28	0,30	0,32	0,32	0,34	0,36	0,36	35
	K	0.010	0.011	0.012	0.013	0.013	0.013	0.013	0.014	115
N1	M	0,19	0,19	0,20	0,20	0,20	0,22	0,22	0,22	290
	M	0.0075	0.0075	0.0080	0.0080	0.0080	0.0085	0.0085	0.0085	950
N2	M	0,19	0,19	0,20	0,20	0,20	0,22	0,22	0,22	185
	M	0.0075	0.0075	0.0080	0.0080	0.0080	0.0085	0.0085	0.0085	610
N3	M	0,19	0,19	0,20	0,20	0,20	0,22	0,22	0,22	125
	M	0.0075	0.0075	0.0080	0.0080	0.0080	0.0085	0.0085	0.0085	410
N11	M	0,19	0,19	0,20	0,20	0,20	0,22	0,22	0,22	145
	M	0.0075	0.0075	0.0080	0.0080	0.0080	0.0085	0.0085	0.0085	475
S1	M	0,095	0,095	0,10	0,10	0,10	0,11	0,11	0,11	29
	M	0.0038	0.0038	0.0040	0.0040	0.0040	0.0044	0.0044	0.0044	95
S2	M	0,095	0,095	0,10	0,10	0,10	0,11	0,11	0,11	21
	M	0.0038	0.0038	0.0040	0.0040	0.0040	0.0044	0.0044	0.0044	70
S3	M	0,085	0,090	0,095	0,095	0,095	0,10	0,10	0,10	21
	M	0.0034	0.0036	0.0038	0.0038	0.0038	0.0040	0.0040	0.0040	70
S11	M	0,11	0,11	0,11	0,12	0,12	0,12	0,12	0,13	55
	M	0.0044	0.0044	0.0044	0.0048	0.0048	0.0048	0.0048	0.0050	180
S12	M	0,11	0,11	0,11	0,12	0,12	0,12	0,12	0,13	42
	M	0.0044	0.0044	0.0044	0.0048	0.0048	0.0048	0.0048	0.0050	140
S13	M	0,095	0,095	0,10	0,10	0,10	0,11	0,11	0,11	33
	M	0.0038	0.0038	0.0040	0.0040	0.0040	0.0044	0.0044	0.0044	110
H3	P	0,095	0,11	0,12	0,12	0,13	0,14	0,14	0,15	23
	P	0.0038	0.0044	0.0048	0.0048	0.0050	0.0055	0.0055	0.0060	75
H5	P	0,15	0,16	0,18	0,19	0,20	0,20	0,22	0,22	43
	P	0.0060	0.0065	0.0070	0.0075	0.0080	0.0080	0.0085	0.0085	140
H7	P	0,095	0,11	0,12	0,12	0,13	0,14	0,14	0,15	23
	P	0.0038	0.0044	0.0048	0.0048	0.0050	0.0055	0.0055	0.0060	75
H8	P	0,11	0,12	0,13	0,14	0,15	0,16	0,17	0,17	43
	P	0.0044	0.0048	0.0050	0.0055	0.0060	0.0065	0.0065	0.0065	140
H11	P	0,15	0,16	0,18	0,19	0,20	0,20	0,22	0,22	55
	P	0.0060	0.0065	0.0070	0.0075	0.0080	0.0080	0.0085	0.0085	180
H12	P	0,11	0,12	0,13	0,14	0,15	0,16	0,17	0,17	28
	P	0.0044	0.0048	0.0050	0.0055	0.0060	0.0065	0.0065	0.0065	90
H21	P	0,11	0,12	0,13	0,14	0,15	0,16	0,17	0,17	43
	P	0.0044	0.0048	0.0050	0.0055	0.0060	0.0065	0.0065	0.0065	140

SMG = Seco malzeme grubu f = mm/rev (IPR) v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

İşleme verileri

Grafiklerdeki değerler kesme verilerine, malzemeye, tezgah verimliliğine ve takım aşınmasına göre farklılıklar gösterebilir. Aşağıdaki grafikler Seco Malzeme Grubu (SMG) P5-P6 ve kesme hızı 90 m/dak (295 SFM) için geçerlidir.



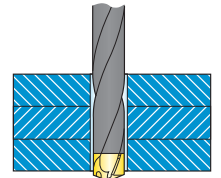
Tavsiye edilen soğutma sıvısı akışı Dx1 l/dak
Minimum soğutma sıvısı akışı D/2 l/dak
D = Matkap çapı
< 3 x D matkaplarda tavsiye edilen minimum soğutma sıvısı basıncı 10 bar (145 PSI)
> 3 x D matkaplarda tavsiye edilen minimum soğutma sıvısı basıncı 20 bar (290 PSI)
> 5 x D matkaplarda tavsiye edilen minimum soğutma sıvısı basıncı 40 bar (580 PSI)

Soğutma sıvısı karışımı

Tavsiye edilen emülsiyon karışımı %6-8'dir. Paslanmaz çelik, süper alaşım ve yüksek mukavemetli çelikler delerken karışımının %10 olması tavsiye edilir.

İşleme tavsiyeleri

Yığın halindeki malzemeler birbirine hava boşlukları olmadan güvenli ve iyi bir şekilde bağlanmışsa onları delmek mümkündür. Hava boşluğu kalmışsa talaşların boşalmasını etkileyerek matkaba zarar verebilir.



Delik toleransları/Yüzey kalitesi

SD101, SD103, SD105 ve SD107 IT9-10 / R _a 1-4*, Ra 39-157 µm*					
Matkap Ø DC (mm)	IT9 tolerans (µm)	IT10 tolerans (µm)	Matkap Ø DC (inç)	IT9 tolerans (inç)	IT10 tolerans (inç)
0 – +10-18	0 – +43	0 – +70	0 – +0.394-0.709	0 – +0.0017	0 – +0.0028
0 – +18-30	0 – +52	0 – +84	0 – +0.709-1.181	0 – +0.0020	0 – +0.0033

*Düşük karbonlu çelikleri ya da paslanmaz çelikleri delerken yüzey kalitesinde ve delik toleransında kötüleşme olabilir. En iyi delik kalitesini elde etmek için mümkün olan en kısa matkabı kullanın.

Sorun giderme - Başlangıç kontrolleri:

- Bağlamanın sağlamlığı
- Fener milinin durumu
- Tutucunun durumu
- Takımın bağlanması:
 - Toplam salgı 0,06 içinde olmalı
- Talaş boşaltma:
 - Kesme verisi
- Soğutma sıvısı:
 - Basınç
 - Akış
 - Konsantrasyon

<p>Kesme kenarlarının ufalanması</p> <ul style="list-style-type: none"> İlerlemeyi/devri düşürün Matkap titreşim yapıyorsa kesme hızını düşürün ve ilerleme oranını artırın Sert, pürüzlü veya açılı yüzeylerde delme yaparken girişte ve çıkışta ilerleme oranını %30 - %50 oranında düşürün 	<p>Yetersiz çap toleransı</p> <ul style="list-style-type: none"> İlerlemeyi/devri artırın Seco Feedmax solid karbür matkap kullanın, bkz. sayfa 15-18 Raybalama yapın, bkz. sayfa 328 Baralama yapın, bkz. sayfa 492-493
<p>Çok hızlı yanak aşınması</p> <ul style="list-style-type: none"> Doğru geometrinin kullanılıp kullanılmadığını kontrol edin Kesme hızını azaltın 	<p>Yetersiz yüzey kalitesi</p> <ul style="list-style-type: none"> İlerlemeyi/devri düşürün Kesme hızını artırın Doğru geometrinin kullanılıp kullanılmadığını kontrol edin Seco Feedmax solid karbür matkap kullanın, bkz. sayfa 15-18 Raybalama yapın, bkz. sayfa 328
<p>Kanal aşınması</p> <ul style="list-style-type: none"> İlerlemeyi/devri düşürün Kesme hızını düşürün Soğutma sıvısı konsantrasyonunu artırın 	<p>Yetersiz delik konumlandırması</p> <ul style="list-style-type: none"> İlerlemeyi/devri düşürün Sert, pürüzlü veya açılı yüzeylerde delme yaparken, girişte ve çıkışta ilerleme oranını %30-%50 oranında düşürün 140°'lik nokta açısı ile önceden delin Seco Feedmax solid karbür matkap kullanın, bkz. sayfa 15-18 Baralama yapın, bkz. sayfa 492-493
<p>Çevre yüzey zırhı aşınması</p> <ul style="list-style-type: none"> Doğru geometrinin kullanılıp kullanılmadığını kontrol edin Kesme hızını düşürün Soğutma sıvısı konsantrasyonunu artırın Sert, pürüzlü veya açılı yüzeylerde delme yaparken, girişte ve çıkışta ilerleme oranını %30 - %50 oranında düşürün 	<p>Uzun talaşlardan dolayı talaş sıkışması</p> <ul style="list-style-type: none"> İlerlemeyi artırın Uzun talaşlı malzemelerde (SMG P1-P4, SMG M1-M2 gibi): <ul style="list-style-type: none"> Kesme hızını artırın ve ilerlemeyi/devri düşürün L geometri kullanın (Özel Tasarım)
<p>Delik çıkışında kırılma</p> <ul style="list-style-type: none"> Crown iş parçası malzemesinden çıkmak üzere iken bağlantı noktasından kırılıyorsa. Sebebi şunlar olabilir: <ul style="list-style-type: none"> Bağlantı arayüzleri tam temizlenmemiş ve uç ile matkap gövdesi arasında muhtemelen bir çapak ya da talaş olabilir Crown sağlam takılmamış. Tork anahtarı kullanın Ucu sadece birkaç diş tutuyor olabilir 	<p>Bağlama ara yüzünün ufalanması</p> <ul style="list-style-type: none"> Küçük ufalanmalar bağlama sistemine zarar vermez. Bu durum, delme sonucunu etkilemeyecektir Yüksek ilerleme oranlarında veya açılı yüzeylerde yapılan delme işlemlerinde büyük ufalanmalar görülürse ilerleme oranını düşürün



Crownloc® Plus

Seco Crownloc® Plus, değiştirilebilir crown uçlara sahip yeni nesil bir Seco matkapdır. Yeni kitleme arayüzüne sahip Crownloc Plus, çeşitli malzemelerde talaş kaldırmayı ve aşınma direncini iyileştirir.

- Güçlü matkap gövdesi tasarımı, derin ve geniş kanallara ve kaplamalı gövdeye sahip yüksek mukavemetli kitleme arayüzüne sahiptir.
- Genel uygulamalar için ilk tercih olan P geometrisi, güçlü ve çok yönlü bir çözümdür.
- M geometrisi yüksek sıcaklık alaşımları, titanyum, titanyum alaşımları ve paslanmaz çelikte mükemmel performans sağlar

Ürünlere genel bakış

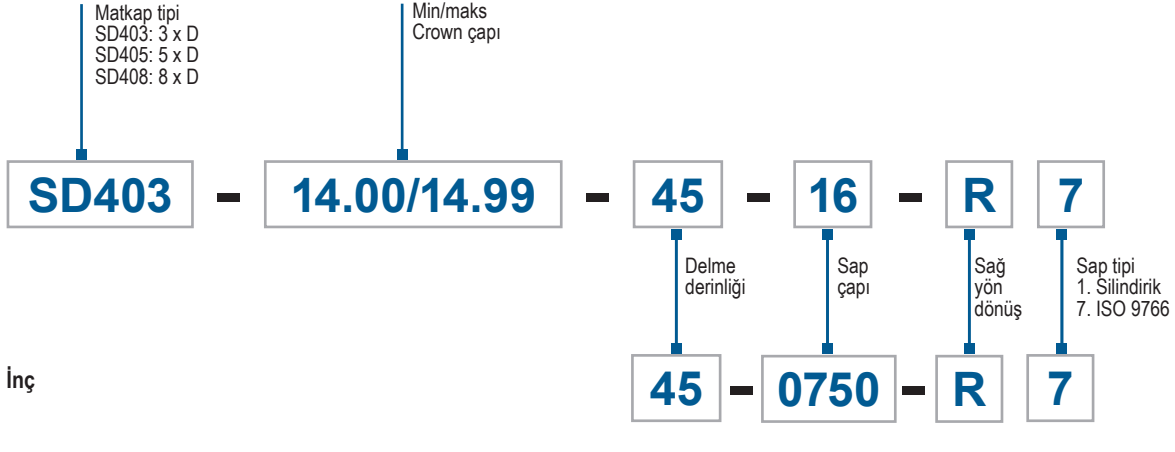
Crownloc® Plus	Ø Aralığı	Delme derinliği	Matkap Ø toleransı	Delik toleransı (1)	Yüzey kalitesi (2)
SD403  Sayfa(lar) 206-209	12,00-19,99 mm (0.472-0.787")	~ 3 x D	k7	IT 9-10	Ra 1-3 µm (Ra 39-118 µin)
SD405  Sayfa(lar) 210-213	12,00-19,99 mm (0.472-0.787")	~ 5 x D	k7	IT 10	Ra 1-3 µm (Ra 39-118 µin)
SD408  Sayfa(lar) 214-217	12,00-19,99 mm (0.472-0.787")	~ 8 x D	k7	IT 10	Ra 1-3 µm (Ra 39-118 µin)

- 1) Kullanılan malzemeye ve kesme verilerine bağlı olarak değişiklikler olabilir.
 2) Matkap boyu, kesme verisi, soğutma sıvısı basıncı ve malzeme yüzey kalitesinde bozulmalara sebep olabilir.

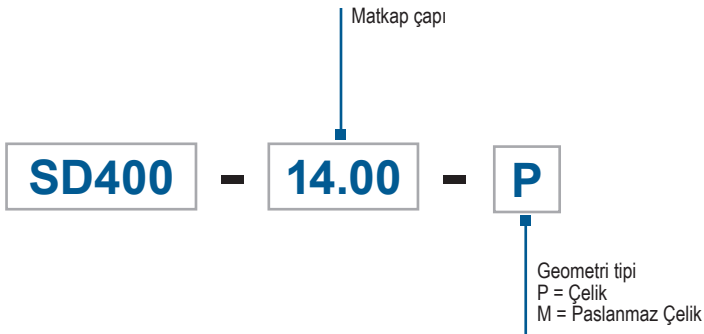
Kodlama anahtarları

Crownloc® Plus matkap gövdeleri

Metrik



Kod anahtarı, Crown uçlar



Geometriler

P-geometri

- Genel geometri, çelikte delme için ilk tercih



M-geometri

- Yüksek ısı alaşımları ve paslanmaz çelikler için



Montaj talimatları

1. Denge

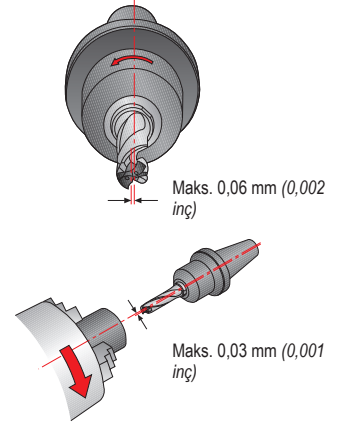
Uygulamanın dengesi takım ömrünün sağlanması ve delik hassasiyeti açısından önemlidir. Maksimum sağlamlık ve denge için lüften tezgahın fener mili bağlantılarını ve diğer bağlantı elemanlarının durumunu iyice kontrol edin. Stabil olmayan şartlarda matkap kırılabilir.

2. Dönen takım

Takımın döndüğü uygulamalarda Toplam Salgının (TIR) 0,06 mm'yi (0,002 inç) aşmaması gerekmektedir. Salgıyı matkap fener milline bağlı iken 360° döndürerek ölçün.

3. Sabit takım

Takımın sabit olduğu uygulamalarda iş parçasının merkezi ile ucunun arasındaki mesafe 0,03 mm'yi (0,001 inç) aşmaması gerekmektedir.



4. Tavsiye edilen tutucular

Seco Tools, çeşitli tezgah mili tiplerinde kullanılabilen çok çeşitli takım tutucular (Pens tutucular, Shrinkfit tutucular, Weldon Hidrolik pens tutucular...) sunar. En iyi sonuç için BT JIS B 6339-ADB tip tutucular, ERHP 5672 tip, Yüksek hassasiyetli tutucu kullanın. Daha fazla bilgi için Takım Tutucular kataloğuna bakın.



Yüksek hassasiyetli pens tutucular
(Sadece silindirik, -R1 saplar için)



Hidrolik tutucu
(Sadece silindirik, -R1 saplar için)



Weldon

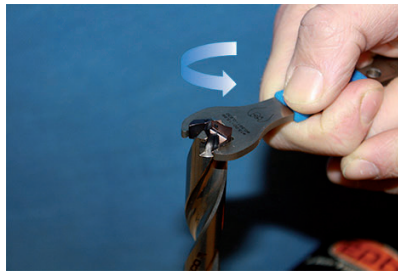
1.

Crown ucu sökmek için anahtar takmak üzere uç üzerindeki iki düzlüğü bulun.



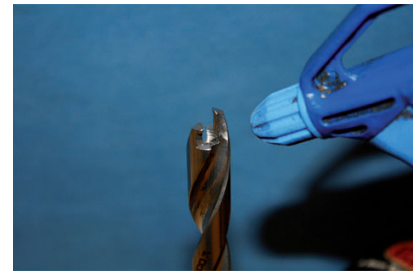
2.

Anahtar saat yönü tersine çeyrek tur döndürün.



3.

Crown ucu takmadan önce bağlantı yüzeyini temizleyin.



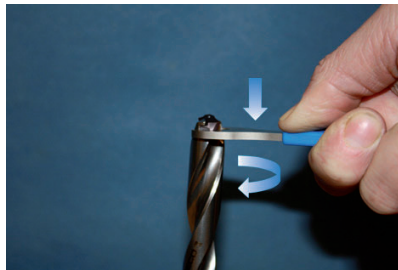
4.

Kolay bir bağlama için anahtar kullanmadan önce ucu eliniz ile önden sıkın.



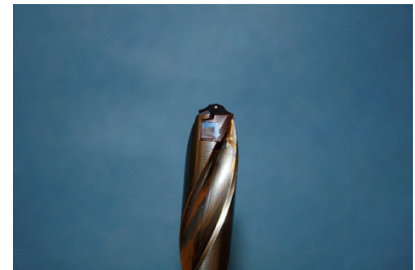
5.

Matkap gövdesine dik şekilde tuttuğunuz anahtar ile crown ucu bastırıp aynı anda saat yönünde çeyrek tur çevirin.



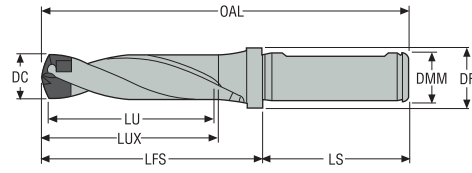
6.

Crown uç bağlandığı zaman, resimdeki gibi, uç ve gövde arasındaki destek yüzeyleri tamamen örtüşmelidir.



SD403 – R7

Delme derinliği ~ 3 x D – Metrik sap



- ISO9766 şu tutuculara uyar: Weldon 1835B, ISO 5414, DIN 60880
- İçten soğutma sıvısı
- Kesme verileri için, bakınız sayfa 222

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	LFS	LS	DMM	DF
		mm	mm	mm	mm	mm	mm	mm	mm
SD403-12.00/12.49-38-16R7	02622894	12,0-12,49	38,0	106,2	46,2	58,2	48,0	16,0	20,0
SD403-12.50/12.99-39-16R7	02622895	12,5-12,99	39,0	108,0	47,5	60,0	48,0	16,0	20,0
SD403-13.00/13.99-42-16R7	02622896	13,0-13,99	42,0	111,9	50,9	63,9	48,0	16,0	20,0
SD403-14.00/14.99-45-16R7	02622898	14,0-14,99	45,0	116,5	54,5	68,5	48,0	16,0	20,0
SD403-15.00/15.99-48-16R7	02622899	15,0-15,99	48,0	121,2	58,2	73,2	48,0	16,0	20,0
SD403-16.00/16.99-51-20R7	02622900	16,0-16,99	51,0	127,9	61,9	77,9	50,0	20,0	24,0
SD403-17.00/17.99-54-20R7	02622902	17,0-17,99	54,0	132,6	65,6	82,6	50,0	20,0	24,0
SD403-18.00/18.99-57-20R7	02622903	18,0-18,99	57,0	137,3	69,3	87,3	50,0	20,0	24,0
SD403-19.00/19.99-60-20R7	02622905	19,0-19,99	60,0	142,0	73,0	92,0	50,0	20,0	24,0

Aksesuarlar

Şu matkap çapı için (mm)

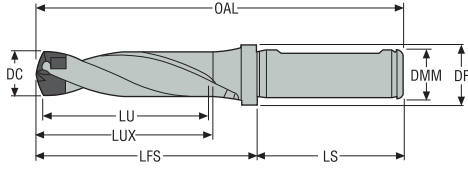
Anahtar



12,00-12,99	SD400-K05
13,00-14,99	SD400-K06
15,00-16,99	SD400-K07
17,00-18,99	SD400-K08
19,00-19,99	SD400-K09

SD403 – R7

Delme derinliği ~ 3 x D – inç sap



- ISO9766 şü tutuculara uyar: Weldon 1835B, ISO 5414, DIN 60880
- İçten soğutma sıvısı
- Kesme verileri için, bakınız sayfa 222

Ürün Tanımı	Ürün numarası	Maks. Delme		LU	DF	OAL	LS	LFS	LUX	DMM
		derinliği I ₄ (mm)	Matkap çapı DC							
		Inç	Inç	Inç	Inç	Inç	Inç	Inç	Inç	Inç
SD403-12.00/12.49-38-0625R7	02622942	1.496	0.472-0.492	1.496	0.787	4.181	1.890	2.291	1.819	0.625
SD403-12.50/12.99-39-0625R7	02622943	1.535	0.492-0.511	1.535	0.787	4.252	1.890	2.362	1.870	0.625
SD403-13.00/13.99-42-0625R7	02622944	1.654	0.512-0.551	1.654	0.787	4.406	1.890	2.516	2.004	0.625
SD403-14.00/14.99-45-0625R7	02622945	1.772	0.551-0.590	1.772	0.787	4.587	1.890	2.697	2.146	0.625
SD403-15.00/15.99-48-0625R7	02622946	1.890	0.591-0.630	1.890	0.787	4.772	1.890	2.882	2.291	0.625
SD403-16.00/16.99-51-0750R7	02622947	2.008	0.630-0.669	2.008	0.945	5.035	1.969	3.067	2.437	0.750
SD403-17.00/17.99-54-0750R7	02622948	2.126	0.669-0.708	2.126	0.945	5.220	1.969	3.252	2.583	0.750
SD403-18.00/18.99-57-0750R7	02622949	2.244	0.709-0.748	2.244	0.945	5.406	1.969	3.437	2.728	0.750
SD403-19.00/19.99-60-0750R7	02622950	2.362	0.748-0.787	2.362	0.945	5.591	1.969	3.622	2.874	0.750

Yedek parçalar

Şu matkap çapı için (inç)

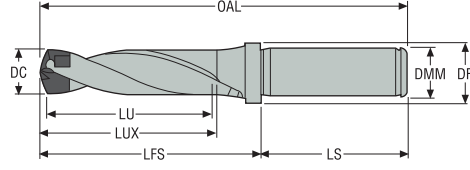
Anahtar



0.472-0.511	SD400-K05
0.512-0.590	SD400-K06
0.591-0.669	SD400-K07
0.669-0.748	SD400-K08
0.748-0.787	SD400-K09

SD403 – R1

Delme derinliği ~ 3 x D – Metrik sap



- Silindirik sap (R1) şu tutuculara uyar: 5834 ve 5672
- İçten soğutma sıvısı
- Kesme verileri için, bakınız sayfa 222

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	LFS	LS	DMM	DF
		mm	mm	mm	mm	mm	mm	mm	mm
SD403-12.00/12.49-38-16R1	02622920	12,0-12,49	38,0	106,2	46,2	58,2	48,0	16,0	20,0
SD403-12.50/12.99-39-16R1	02622921	12,5-12,99	39,0	108,0	47,5	60,0	48,0	16,0	20,0
SD403-13.00/13.99-42-16R1	02622922	13,0-13,99	42,0	111,9	50,9	63,9	48,0	16,0	20,0
SD403-14.00/14.99-45-16R1	02622923	14,0-14,99	45,0	116,5	54,5	68,5	48,0	16,0	20,0
SD403-15.00/15.99-48-16R1	02622924	15,0-15,99	48,0	121,2	58,2	73,2	48,0	16,0	20,0
SD403-16.00/16.99-51-20R1	02622927	16,0-16,99	51,0	127,9	61,9	77,9	50,0	20,0	24,0
SD403-17.00/17.99-54-20R1	02622928	17,0-17,99	54,0	132,6	65,6	82,6	50,0	20,0	24,0
SD403-18.00/18.99-57-20R1	02622930	18,0-18,99	57,0	137,3	69,3	87,3	50,0	20,0	24,0
SD403-19.00/19.99-60-20R1	02622931	19,0-19,99	60,0	142,0	73,0	92,0	50,0	20,0	24,0

Aksesuarlar

Şu matkap çapı için (mm)

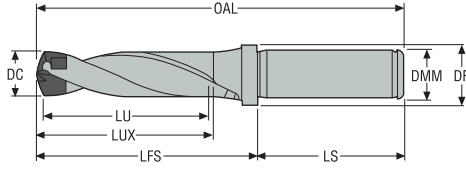
Anahtar



12,00-12,99	SD400-K05
13,00-14,99	SD400-K06
15,00-16,99	SD400-K07
17,00-18,99	SD400-K08
19,00-19,99	SD400-K09

SD403 – R1

Delme derinliği ~ 3 x D – inç sap



- Silindirik sap (R1) şu tutuculara uyur: 5834 ve 5672
- İçten soğutma sıvısı
- Kesme verileri için, bakınız sayfa 222

Ürün Tanımı	Ürün numarası	Maks. Delme		LU	DF	OAL	LS	LFS	LUX	DMM
		derinliği I ₄ (mm)	Matkap çapı DC							
		İnç	İnç	İnç	İnç	İnç	İnç	İnç	İnç	İnç
SD403-12.00/12.49-38-0625R1	02623538	1.496	0.472-0.492	1.496	0.787	4.181	1.890	2.291	1.819	0.625
SD403-12.50/12.99-39-0625R1	02623539	1.535	0.492-0.511	1.535	0.787	4.252	1.890	2.362	1.870	0.625
SD403-13.00/13.99-42-0625R1	02623540	1.654	0.512-0.551	1.654	0.787	4.406	1.890	2.516	2.004	0.625
SD403-14.00/14.99-45-0625R1	02623541	1.772	0.551-0.590	1.772	0.787	4.587	1.890	2.697	2.146	0.625
SD403-15.00/15.99-48-0625R1	02623542	1.890	0.591-0.630	1.890	0.787	4.772	1.890	2.882	2.291	0.625
SD403-16.00/16.99-51-0750R1	02623543	2.008	0.630-0.669	2.008	0.945	5.035	1.969	3.067	2.437	0.750
SD403-17.00/17.99-54-0750R1	02623544	2.126	0.669-0.708	2.126	0.945	5.220	1.969	3.252	2.583	0.750
SD403-18.00/18.99-57-0750R1	02623545	2.244	0.709-0.748	2.244	0.945	5.406	1.969	3.437	2.728	0.750
SD403-19.00/19.99-60-0750R1	02623546	2.362	0.748-0.787	2.362	0.945	5.591	1.969	3.622	2.874	0.750

Yedek parçalar

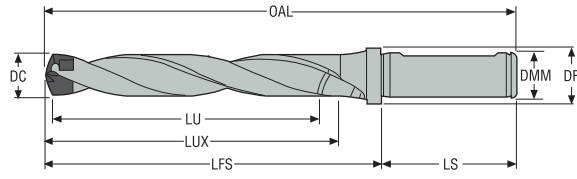
Şu matkap çapı için (inç)



0.472-0.511	SD400-K05
0.512-0.590	SD400-K06
0.591-0.669	SD400-K07
0.669-0.748	SD400-K08
0.748-0.787	SD400-K09

SD405 – R7

Delme derinliği ~ 5 x D – Metrik sap



- ISO9766 şu tutuculara uyar: Weldon 1835B, ISO 5414, DIN 60880
- İçten soğutma sıvısı
- Kesme verileri için, bakınız sayfa 223

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	LFS	LS	DMM	DF
		mm	mm	mm	mm	mm	mm	mm	mm
SD405-12.00/12.49-63-16R7	02623554	12,0-12,49	63,0	131,2	71,2	83,2	48,0	16,0	20,0
SD405-12.50/12.99-65-16R7	02623555	12,5-12,99	65,0	134,0	73,5	86,0	48,0	16,0	20,0
SD405-13.00/13.99-70-16R7	02623556	13,0-13,99	70,0	139,9	78,9	91,9	48,0	16,0	20,0
SD405-14.00/14.99-75-16R7	02623557	14,0-14,99	75,0	146,5	84,5	98,5	48,0	16,0	20,0
SD405-15.00/15.99-80-16R7	02623558	15,0-15,99	80,0	153,2	90,2	105,2	48,0	16,0	20,0
SD405-16.00/16.99-85-20R7	02623559	16,0-16,99	85,0	161,9	95,9	111,9	50,0	20,0	24,0
SD405-17.00/17.99-90-20R7	02623560	17,0-17,99	90,0	168,6	101,6	118,6	50,0	20,0	24,0
SD405-18.00/18.99-95-20R7	02623561	18,0-18,99	95,0	175,3	107,3	125,3	50,0	20,0	24,0
SD405-19.00/19.99-100-20R7	02623562	19,0-19,99	100,0	182,0	113,0	132,0	50,0	20,0	24,0

Aksesuarlar

Şu matkap çapı için (mm)

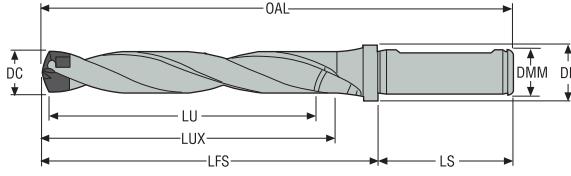
Anahtar



12,00-12,99	SD400-K05
13,00-14,99	SD400-K06
15,00-16,99	SD400-K07
17,00-18,99	SD400-K08
19,00-19,99	SD400-K09

SD405 – R7

Delme derinliği ~ 5 x D – inç sap



- ISO9766 şu tutuculara uyur: Weldon 1835B, ISO 5414, DIN 60880
- İçten soğutma sıvısı
- Kesme verileri için, bakınız sayfa 223

Ürün Tanımı	Ürün numarası	Maks. Delme derinliği l_d	Matkap çapı DC	LU	DF	OAL	LS	LFS	LUX	DMM
		İnç								
SD405-12.00/12.49-63-0625R7	02623586	2.480	0.472-0.492	2.480	0.787	5.165	1.890	3.276	2.803	0.625
SD405-12.50/12.99-65-0625R7	02623587	2.559	0.492-0.511	2.559	0.787	5.276	1.890	3.386	2.894	0.625
SD405-13.00/13.99-70-0625R7	02623588	2.756	0.512-0.551	2.756	0.787	5.508	1.890	3.618	3.106	0.625
SD405-14.00/14.99-75-0625R7	02623589	2.953	0.551-0.590	2.953	0.787	5.768	1.890	3.878	3.327	0.625
SD405-15.00/15.99-80-0625R7	02623590	3.150	0.591-0.630	3.150	0.787	6.031	1.890	4.142	3.551	0.625
SD405-16.00/16.99-85-0750R7	02623591	3.346	0.630-0.669	3.346	0.945	6.374	1.969	4.406	3.776	0.750
SD405-17.00/17.99-90-0750R7	02623592	3.543	0.669-0.708	3.543	0.945	6.638	1.969	4.669	4.000	0.750
SD405-18.00/18.99-95-0750R7	02623593	3.740	0.709-0.748	3.740	0.945	6.902	1.969	4.933	4.224	0.750
SD405-19.00/19.99-100-0750R7	02623594	3.937	0.748-0.787	3.937	0.945	7.165	1.969	5.197	4.449	0.750

Yedek parçalar

Şu matkap çapı için (inç)

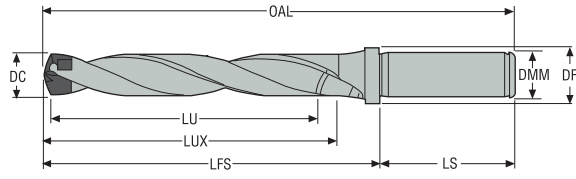
Anahtar



0.472-0.511	SD400-K05
0.512-0.590	SD400-K06
0.591-0.669	SD400-K07
0.669-0.748	SD400-K08
0.748-0.787	SD400-K09

SD405 – R1

Delme derinliği ~ 5 x D – Metrik sap



- Silindirik sap (R1) şu tutuculara uyur: 5834 ve 5672
- İçten soğutma sıvısı
- Kesme verileri için, bakınız sayfa 223

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	LFS	LS	DMM	DF
		mm	mm	mm	mm	mm	mm	mm	mm
SD405-12.00/12.49-63-16R1	02623570	12,0-12,49	63,0	131,2	71,2	83,2	48,0	16,0	20,0
SD405-12.50/12.99-65-16R1	02623571	12,5-12,99	65,0	134,0	73,5	86,0	48,0	16,0	20,0
SD405-13.00/13.99-70-16R1	02623572	13,0-13,99	70,0	139,9	78,9	91,9	48,0	16,0	20,0
SD405-14.00/14.99-75-16R1	02623573	14,0-14,99	75,0	146,5	84,5	98,5	48,0	16,0	20,0
SD405-15.00/15.99-80-16R1	02623574	15,0-15,99	80,0	153,2	90,2	105,2	48,0	16,0	20,0
SD405-16.00/16.99-85-20R1	02623575	16,0-16,99	85,0	161,9	95,9	111,9	50,0	20,0	24,0
SD405-17.00/17.99-90-20R1	02623576	17,0-17,99	90,0	168,6	101,6	118,6	50,0	20,0	24,0
SD405-18.00/18.99-95-20R1	02623577	18,0-18,99	95,0	175,3	107,3	125,3	50,0	20,0	24,0
SD405-19.00/19.99-100-20R1	02623578	19,0-19,99	100,0	182,0	113,0	132,0	50,0	20,0	24,0

Aksesuarlar

Şu matkap çapı için (mm)

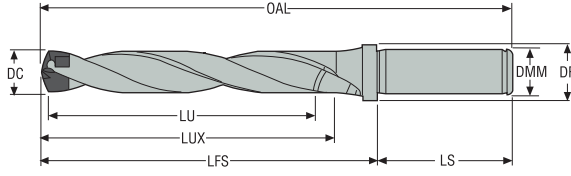
Anahtar



12,00-12,99	SD400-K05
13,00-14,99	SD400-K06
15,00-16,99	SD400-K07
17,00-18,99	SD400-K08
19,00-19,99	SD400-K09

SD405 – R1

Delme derinliği ~ 5 x D – inç sap



- Silindirik sap (R1) şu tutuculara uyar: 5834 ve 5672
- İçten soğutma sıvısı
- Kesme verileri için, bakınız sayfa 223

Ürün Tanımı	Ürün numarası	Maks. Delme derinliği l_4	Matkap çapı DC	LU	DF	OAL	LS	LFS	LUX	DMM
		inç	inç	inç	inç	inç	inç	inç	inç	inç
SD405-12.00/12.49-63-0625R1	02623603	2.480	0.472-0.492	2.480	0.787	5.165	1.890	3.276	2.803	0.625
SD405-12.50/12.99-65-0625R1	02623604	2.559	0.492-0.511	2.559	0.787	5.276	1.890	3.386	2.894	0.625
SD405-13.00/13.99-70-0625R1	02623605	2.756	0.512-0.551	2.756	0.787	5.508	1.890	3.618	3.106	0.625
SD405-14.00/14.99-75-0625R1	02623606	2.953	0.551-0.590	2.953	0.787	5.768	1.890	3.878	3.327	0.625
SD405-15.00/15.99-80-0625R1	02623607	3.150	0.591-0.630	3.150	0.787	6.031	1.890	4.142	3.551	0.625
SD405-16.00/16.99-85-0750R1	02623608	3.346	0.630-0.669	3.346	0.945	6.374	1.969	4.406	3.776	0.750
SD405-17.00/17.99-90-0750R1	02623609	3.543	0.669-0.708	3.543	0.945	6.638	1.969	4.669	4.000	0.750
SD405-18.00/18.99-95-0750R1	02623610	3.740	0.709-0.748	3.740	0.945	6.902	1.969	4.933	4.224	0.750
SD405-19.00/19.99-100-0750R1	02623611	3.937	0.748-0.787	3.937	0.945	7.165	1.969	5.197	4.449	0.750

Yedek parçalar

Şu matkap çapı için (inç)

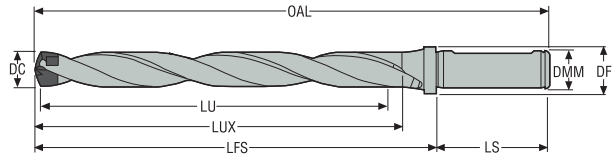
Anahtar



0.472-0.511	SD400-K05
0.512-0.590	SD400-K06
0.591-0.669	SD400-K07
0.669-0.748	SD400-K08
0.748-0.787	SD400-K09

SD408 – R7

Delme derinliği ~ 8 x D – Metrik sap



- ISO9766 şu tutuculara uyar: Weldon 1835B, ISO 5414, DIN 60880
- İçten soğutma sıvısı
- Kesme verileri için, bakınız sayfa 224

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	LFS	LS	DMM	DF
		mm	mm	mm	mm	mm	mm	mm	mm
SD408-12.00/12.49-100-16R7	02623615	12,0-12,49	100,0	168,2	108,2	120,2	48,0	16,0	20,0
SD408-12.50/12.99-104-16R7	02623616	12,5-12,99	104,0	173,0	112,5	125,0	48,0	16,0	20,0
SD408-13.00/13.99-112-16R7	02623617	13,0-13,99	112,0	181,9	120,9	133,9	48,0	16,0	20,0
SD408-14.00/14.99-120-16R7	02623618	14,0-14,99	120,0	191,5	129,5	143,5	48,0	16,0	20,0
SD408-15.00/15.99-128-16R7	02623619	15,0-15,99	128,0	201,2	138,2	153,2	48,0	16,0	20,0
SD408-16.00/16.99-136-20R7	02623620	16,0-16,99	136,0	212,9	146,9	162,9	50,0	20,0	24,0
SD408-17.00/17.99-144-20R7	02623621	17,0-17,99	144,0	222,6	155,6	172,6	50,0	20,0	24,0
SD408-18.00/18.99-152-20R7	02623622	18,0-18,99	152,0	232,3	164,3	182,3	50,0	20,0	24,0
SD408-19.00/19.99-160-20R7	02623623	19,0-19,99	160,0	242,0	173,0	192,0	50,0	20,0	24,0

Aksesuarlar

Şu matkap çapı için (mm)

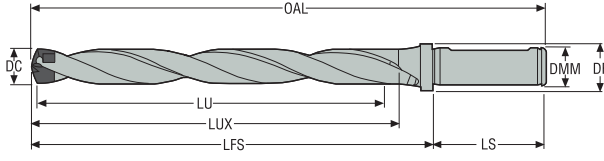
Anahtar



12,00-12,99	SD400-K05
13,00-14,99	SD400-K06
15,00-16,99	SD400-K07
17,00-18,99	SD400-K08
19,00-19,99	SD400-K09

SD408 – R7

Delme derinliği ~ 8 x D – inç sap



- ISO9766 şu tutuculara uyar: Weldon 1835B, ISO 5414, DIN 60880
- İçten soğutma sıvısı
- Kesme verileri için, bakınız sayfa 224

Ürün Tanımı	Ürün numarası	Maks. Delme derinliği l_4	Matkap çapı DC	LU	DF	OAL	LS	LFS	LUX	DMM
		(mm)	İnç	İnç	İnç	İnç	İnç	İnç	İnç	İnç
SD408-12.00/12.49-100-0625R7	02623639	3.937	0.472-0.492	3.937	0.787	6.622	1.890	4.732	4.260	0.625
SD408-12.50/12.99-104-0625R7	02623640	4.094	0.492-0.511	4.094	0.787	6.811	1.890	4.921	4.429	0.625
SD408-13.00/13.99-112-0625R7	02623641	4.409	0.512-0.551	4.409	0.787	7.161	1.890	5.272	4.760	0.625
SD408-14.00/14.99-120-0625R7	02623642	4.724	0.551-0.590	4.724	0.787	7.539	1.890	5.650	5.098	0.625
SD408-15.00/15.99-128-0625R7	02623643	5.039	0.591-0.630	5.039	0.787	7.921	1.890	6.031	5.441	0.625
SD408-16.00/16.99-136-0750R7	02623644	5.354	0.630-0.669	5.354	0.945	8.382	1.969	6.413	5.783	0.750
SD408-17.00/17.99-144-0750R7	02623645	5.669	0.669-0.708	5.669	0.945	8.764	1.969	6.795	6.126	0.750
SD408-18.00/18.99-152-0750R7	02623646	5.984	0.709-0.748	5.984	0.945	9.146	1.969	7.177	6.469	0.750
SD408-19.00/19.99-160-0750R7	02623647	6.299	0.748-0.787	6.299	0.945	9.528	1.969	7.559	6.811	0.750

Yedek parçalar

Şu matkap çapı için (inç)

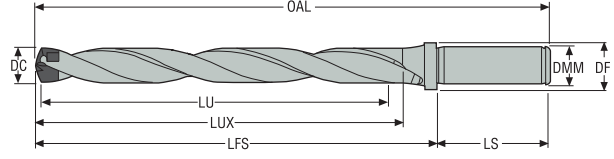
Anahtar



0.472-0.511	SD400-K05
0.512-0.590	SD400-K06
0.591-0.669	SD400-K07
0.669-0.748	SD400-K08
0.748-0.787	SD400-K09

SD408 – R1

Delme derinliği ~ 8 x D – Metrik sap



- Silindirik sap (R1) şu tutuculara uyar: 5834 ve 5672
- İçten soğutma sıvısı
- Kesme verileri için, bakınız sayfa 224

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	LFS	LS	DMM	DF
		mm	mm	mm	mm	mm	mm	mm	mm
SD408-12.00/12.49-100-16R1	02623627	12,0-12,49	100,0	168,2	108,2	120,2	48,0	16,0	20,0
SD408-12.50/12.99-104-16R1	02623628	12,5-12,99	104,0	173,0	112,5	125,0	48,0	16,0	20,0
SD408-13.00/13.99-112-16R1	02623629	13,0-13,99	112,0	181,9	120,9	133,9	48,0	16,0	20,0
SD408-14.00/14.99-120-16R1	02623630	14,0-14,99	120,0	191,5	129,5	143,5	48,0	16,0	20,0
SD408-15.00/15.99-128-16R1	02623631	15,0-15,99	128,0	201,2	138,2	153,2	48,0	16,0	20,0
SD408-16.00/16.99-136-20R1	02623632	16,0-16,99	136,0	212,9	146,9	162,9	50,0	20,0	24,0
SD408-17.00/17.99-144-20R1	02623633	17,0-17,99	144,0	222,6	155,6	172,6	50,0	20,0	24,0
SD408-18.00/18.99-152-20R1	02623634	18,0-18,99	152,0	232,3	164,3	182,3	50,0	20,0	24,0
SD408-19.00/19.99-160-20R1	02623635	19,0-19,99	160,0	242,0	173,0	192,0	50,0	20,0	24,0

Aksesuarlar

Şu matkap çapı için (mm)

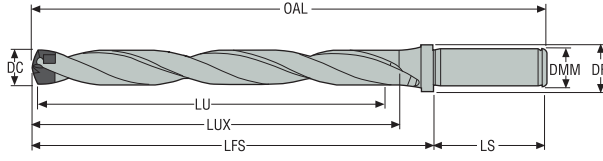
Anahtar



12,00-12,99	SD400-K05
13,00-14,99	SD400-K06
15,00-16,99	SD400-K07
17,00-18,99	SD400-K08
19,00-19,99	SD400-K09

SD408 – R1

Delme derinliği ~ 8 x D – inç sap



- Silindirik sap (R1) şu tutuculara uyur: 5834 ve 5672
- İçten soğutma sıvısı
- Kesme verileri için, bakınız sayfa 224

Ürün Tanımı	Ürün numarası	Maks. Delme derinliği l ₄ (mm)	Matkap çapı DC	LU	DF	OAL	LS	LFS	LUX	DMM
		İnç	İnç	İnç	İnç	İnç	İnç	İnç	İnç	İnç
SD408-12.00/12.49-100-0625R1	02623651	3.937	0.472-0.492	3.937	0.787	6.622	1.890	4.732	4.260	0.625
SD408-12.50/12.99-104-0625R1	02623652	4.094	0.492-0.511	4.094	0.787	6.811	1.890	4.921	4.429	0.625
SD408-13.00/13.99-112-0625R1	02623653	4.409	0.512-0.551	4.409	0.787	7.161	1.890	5.272	4.760	0.625
SD408-14.00/14.99-120-0625R1	02623654	4.724	0.551-0.590	4.724	0.787	7.539	1.890	5.650	5.098	0.625
SD408-15.00/15.99-128-0625R1	02623655	5.039	0.591-0.630	5.039	0.787	7.921	1.890	6.031	5.441	0.625
SD408-16.00/16.99-136-0750R1	02623656	5.354	0.630-0.669	5.354	0.945	8.382	1.969	6.413	5.783	0.750
SD408-17.00/17.99-144-0750R1	02623657	5.669	0.669-0.708	5.669	0.945	8.764	1.969	6.795	6.126	0.750
SD408-18.00/18.99-152-0750R1	02623658	5.984	0.709-0.748	5.984	0.945	9.146	1.969	7.177	6.469	0.750
SD408-19.00/19.99-160-0750R1	02623659	6.299	0.748-0.787	6.299	0.945	9.528	1.969	7.559	6.811	0.750

Yedek parçalar

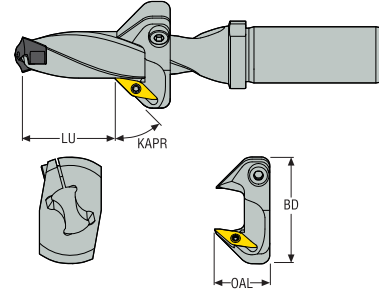
Şu matkap çapı için (inç)

Anahtar



0.472-0.511	SD400-K05
0.512-0.590	SD400-K06
0.591-0.669	SD400-K07
0.669-0.748	SD400-K08
0.748-0.787	SD400-K09

Havşa modülü



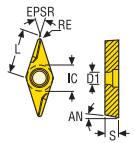
Delme derinliği LU												
Ürün Tanımı	Ürün numarası	Şu matkap gövdesi için	SD403 (min-max)		SD405 (min-max)		SD408 (min-max)		Maks. havşa derinliği	OAL	BD	KAPR°
			mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	
SD400-C45-12.00/12.49	02846075	SD40x-12.00/12.49	6,0 0.236	22,0 0.866	6,0 0.236	47,0 1.850	47,0 1.850	84,0 3.307	1,5 0.059	20,0 0.787	34,0 1.339	45
SD400-C45-12.50/12.99	02846076	SD40x-12.50/12.99	7,0 0.276	23,0 0.906	7,0 0.276	48,0 1.890	48,0 1.890	88,0 3.465	1,5 0.059	20,0 0.787	34,0 1.339	45
SD400-C45-13.00/13.99	02846077	SD40x-13.00/13.99	7,0 0.276	27,0 1.063	7,0 0.276	55,0 2.165	55,0 2.165	97,0 3.819	1,5 0.059	20,0 0.787	34,0 1.339	45
SD400-C45-14.00/14.99	02846078	SD40x-14.00/14.99	7,0 0.276	33,0 1.299	7,0 0.276	60,0 2.362	60,0 2.362	105,0 4.134	1,5 0.059	20,0 0.787	36,0 1.417	45
SD400-C45-15.00/15.99	02846079	SD40x-15.00/15.99	8,0 0.315	35,0 1.378	8,0 0.315	67,0 2.638	67,0 2.638	114,0 4.488	1,5 0.059	20,0 0.787	36,0 1.417	45
SD400-C45-16.00/16.99	02846080	SD40x-16.00/16.99	8,0 0.315	38,0 1.496	8,0 0.315	72,0 2.835	72,0 2.835	123,0 4.843	1,5 0.059	20,0 0.787	38,0 1.496	45
SD400-C45-17.00/17.99	02846117	SD40x-17.00/17.99	9,0 0.354	43,0 1.693	9,0 0.354	79,0 3.110	79,0 3.110	132,0 5.197	1,5 0.059	20,0 0.787	38,0 1.496	45
SD400-C45-18.00/18.99	02846082	SD40x-18.00/18.99	9,0 0.354	45,0 1.772	9,0 0.354	83,0 3.268	83,0 3.268	140,0 5.512	1,5 0.059	20,0 0.787	40,0 1.575	45
SD400-C45-19.00/19.99	02846083	SD40x-19.00/19.99	10,0 0.394	49,0 1.929	10,0 0.394	89,0 3.504	89,0 3.504	149,0 5.866	1,5 0.059	20,0 0.787	40,0 1.575	45

Yedek parçalar

Şu matkap çapı için (mm)	Uç anahtarı	Uç vidası	Anahtar	Anahtar	Sıkma vidası 1	Sıkma vidası 2
SD400-C45...	T07P-2	C02505-T07P	2SMS795	3SMS795	MC6S4X8	P6SS4X8

Uç

Toleranslar: mm/İnç	Ebat	IC mm/İnç	L mm/İnç	S mm/İnç	D1 mm/İnç	RE mm/İnç
IC = ±0,025/0.000984" S = ±0,07/0.0027559" RE = ±0,10/0.0039370"	09	5,556/0.2187"	9,0/0.2187"	2,5/0.0984"	2,9/0.1141"	0,2/0.0078"
	Kalite: T400D					
	Ürün Tanımı: VCGX090202-D1					
	Ürün numarası: 00014948					



Crownloc plus uçlar – P ve M geometriler

Uç nokta açısı: 140°



Ürün Tanımı	Ürün numarası	P-geometri Çelik için	M-geometri Paslanmaz çelik ve yüksek ısı alaşımları için	DC	
				mm	İnç
SD400-12.00-M	02826210	-	■	12,0	0.472
SD400-12.00-P	02630908	■	-	12,0	0.472
SD400-12.10-P	02630910	■	-	12,1	0.476
SD400-12.20-P	02630911	■	-	12,2	0.480
SD400-12.30-M	02826211	-	■	12,3	0.484
SD400-12.30-P	02630912	■	-	12,3	0.484
SD400-12.41-M	02826212	-	■	12,41	0.489
SD400-12.41-P	02630913	■	-	12,41	0.489
SD400-12.50-M	02826213	-	■	12,5	0.492
SD400-12.50-P	02630915	■	-	12,5	0.492
SD400-12.60-P	02630916	■	-	12,6	0.496
SD400-12.70-M	02826214	-	■	12,7	0.500
SD400-12.70-P	02630917	■	-	12,7	0.500
SD400-12.80-M	02826215	-	■	12,8	0.504
SD400-12.80-P	02630918	■	-	12,8	0.504
SD400-12.90-M	02826216	-	■	12,9	0.508
SD400-12.90-P	02630919	■	-	12,9	0.508
SD400-13.00-M	02826217	-	■	13,0	0.512
SD400-13.00-P	02634577	■	-	13,0	0.512
SD400-13.10-M	02826218	-	■	13,1	0.516
SD400-13.10-P	02634578	■	-	13,1	0.516
SD400-13.20-P	02634579	■	-	13,2	0.520
SD400-13.30-M	02826219	-	■	13,3	0.524
SD400-13.30-P	02634580	■	-	13,3	0.524
SD400-13.50-M	02826220	-	■	13,5	0.531
SD400-13.50-P	02634581	■	-	13,5	0.531
SD400-13.70-M	02826221	-	■	13,7	0.539
SD400-13.70-P	02634582	■	-	13,7	0.539
SD400-13.80-M	02826222	-	■	13,8	0.543
SD400-13.80-P	02634583	■	-	13,8	0.543
SD400-13.89-M	02826223	-	■	13,89	0.547
SD400-13.89-P	02634584	■	-	13,89	0.547
SD400-14.00-M	02826224	-	■	14,0	0.551
SD400-14.00-P	02634589	■	-	14,0	0.551
SD400-14.10-P	02634590	■	-	14,1	0.555
SD400-14.20-M	02826225	-	■	14,2	0.559
SD400-14.20-P	02634591	■	-	14,2	0.559
SD400-14.288-M	02826226	-	■	14,288	0.563
SD400-14.288-P	02634592	■	-	14,288	0.563

Giriş	Ürün Tanımı	Ürün numarası	P-geometri Çelik için	M-geometri Paslanmaz çelik ve yüksek ısı alaşımları için	DC	
					mm	İnç
	SD400-14.40-P	02634593	■	-	14,4	0.567
	SD400-14.50-M	02826227	-	■	14,5	0.571
	SD400-14.50-P	02634594	■	-	14,5	0.571
	SD400-14.68-M	02826228	-	■	14,68	0.578
	SD400-14.68-P	02634595	■	-	14,68	0.578
	SD400-14.70-M	02826229	-	■	14,7	0.579
	SD400-14.70-P	02634596	■	-	14,7	0.579
	SD400-14.80-M	02826230	-	■	14,8	0.583
	SD400-14.80-P	02634597	■	-	14,8	0.583
	SD400-14.90-M	02826231	-	■	14,9	0.587
	SD400-14.90-P	02634598	■	-	14,9	0.587
	SD400-15.00-M	02826232	-	■	15,0	0.591
	SD400-15.00-P	02634599	■	-	15,0	0.591
	SD400-15.08-M	02826233	-	■	15,08	0.594
	SD400-15.08-P	02634600	■	-	15,08	0.594
	SD400-15.10-P	02634601	■	-	15,1	0.594
	SD400-15.20-P	02634602	■	-	15,2	0.598
	SD400-15.25-M	02826234	-	■	15,25	0.600
	SD400-15.25-P	02634603	■	-	15,25	0.600
	SD400-15.478-M	02826235	-	■	15,48	0.609
	SD400-15.478-P	02634604	■	-	15,478	0.609
	SD400-15.50-M	02826236	-	■	15,5	0.610
	SD400-15.50-P	02634605	■	-	15,5	0.610
	SD400-15.70-M	02826237	-	■	15,7	0.618
	SD400-15.70-P	02634607	■	-	15,7	0.618
	SD400-15.80-M	02826238	-	■	15,8	0.622
	SD400-15.80-P	02634608	■	-	15,8	0.622
	SD400-15.875-M	02826239	-	■	15,88	0.625
	SD400-15.875-P	02634609	■	-	15,875	0.625
	SD400-16.00-M	02826240	-	■	16,0	0.630
	SD400-16.00-P	02635956	■	-	16,0	0.630
	SD400-16.10-P	02635957	■	-	16,1	0.634
	SD400-16.20-P	02635958	■	-	16,2	0.638
	SD400-16.25-P	02635959	■	-	16,25	0.640
	SD400-16.27-M	02826241	-	■	16,27	0.641
	SD400-16.27-P	02635960	■	-	16,27	0.641
	SD400-16.40-P	02635962	■	-	16,4	0.646
	SD400-16.50-M	02826242	-	■	16,5	0.650
	SD400-16.50-P	02635963	■	-	16,5	0.650
	SD400-16.669-M	02826243	-	■	16,67	0.656
	SD400-16.669-P	02635964	■	-	16,669	0.656
	SD400-16.70-M	02826244	-	■	16,7	0.657
	SD400-16.70-P	02635966	■	-	16,7	0.657
	SD400-16.80-M	02826245	-	■	16,8	0.661
	SD400-16.80-P	02635968	■	-	16,8	0.661
	SD400-16.90-P	02635969	■	-	16,9	0.665
	SD400-17.00-M	02826246	-	■	17,0	0.669
	SD400-17.00-P	02635970	■	-	17,0	0.669
	SD400-17.065-M	02826247	-	■	17,07	0.672
	SD400-17.065-P	02635972	■	-	17,065	0.672
	SD400-17.10-P	02635973	■	-	17,1	0.673

Ürün Tanımı	Ürün numarası	P-geometri Çelik için	M-geometri Paslanmaz çelik ve yüksek ısı alaşımları için	DC	
				mm	İnç
SD400-17.20-P	02635974	■	-	17,2	0.677
SD400-17.35-P	02888828	■	-	17,35	0.683
SD400-17.463-M	02826248	-	■	17,46	0.687
SD400-17.463-P	02635975	■	-	17,463	0.688
SD400-17.50-M	02826249	-	■	17,5	0.689
SD400-17.50-P	02635976	■	-	17,5	0.689
SD400-17.70-M	02826250	-	■	17,7	0.697
SD400-17.70-P	02635977	■	-	17,7	0.697
SD400-17.80-M	02826251	-	■	17,8	0.701
SD400-17.80-P	02635978	■	-	17,8	0.701
SD400-17.859-M	02826252	-	■	17,86	0.703
SD400-17.859-P	02635979	■	-	17,859	0.703
SD400-17.90-M	02826253	-	■	17,9	0.705
SD400-17.90-P	02635980	■	-	17,9	0.705
SD400-18.00-M	02826254	-	■	18,0	0.709
SD400-18.00-P	02635981	■	-	18,0	0.709
SD400-18.10-P	02635982	■	-	18,1	0.713
SD400-18.20-P	02635983	■	-	18,2	0.717
SD400-18.256-M	02826255	-	■	18,26	0.719
SD400-18.256-P	02635984	■	-	18,256	0.719
SD400-18.50-M	02826256	-	■	18,5	0.728
SD400-18.50-P	02635985	■	-	18,5	0.728
SD400-18.653-M	02826257	-	■	18,65	0.734
SD400-18.653-P	02635986	■	-	18,653	0.734
SD400-18.70-M	02826258	-	■	18,7	0.736
SD400-18.70-P	02635987	■	-	18,7	0.736
SD400-18.80-M	02826259	-	■	18,8	0.740
SD400-18.80-P	02635988	■	-	18,8	0.740
SD400-18.90-M	02826260	-	■	18,9	0.744
SD400-18.90-P	02635989	■	-	18,9	0.744
SD400-19.00-M	02826261	-	■	19,0	0.748
SD400-19.00-P	02635991	■	-	19,0	0.748
SD400-19.05-M	02826262	-	■	19,05	0.750
SD400-19.05-P	02635992	■	-	19,05	0.750
SD400-19.10-P	02635993	■	-	19,1	0.752
SD400-19.20-M	02826263	-	■	19,2	0.756
SD400-19.20-P	02635995	■	-	19,2	0.756
SD400-19.25-M	02925410	-	■	19,25	0.758
SD400-19.447-M	02826264	-	■	19,45	0.766
SD400-19.447-P	02635997	■	-	19,447	0.766
SD400-19.50-M	02826265	-	■	19,5	0.768
SD400-19.50-P	02635998	■	-	19,5	0.768
SD400-19.70-M	02826266	-	■	19,7	0.776
SD400-19.70-P	02635999	■	-	19,7	0.776
SD400-19.80-M	02826267	-	■	19,8	0.780
SD400-19.80-P	02636000	■	-	19,8	0.780
SD400-19.844-M	02826268	-	■	19,84	0.781
SD400-19.844-P	02636001	■	-	19,844	0.781
SD400-19.90-M	02826269	-	■	19,9	0.783
SD400-19.90-P	02636002	■	-	19,9	0.783

■ Stoklu standart ürün.

Giriş

Delme

Raybalama

Baralama

Ek

SD403 – Ø 12-20 mm / 0.472-0.787 inç

SMG		f					v _c
		Ø12,00 Ø 0.472	Ø14,00 Ø 0.551	Ø16,00 Ø 0.630	Ø18,00 Ø 0.709	Ø20,00 Ø 0.787	
P1	P	0,30	0,32	0,34	0,36	0,36	155
	P	0.012	0.013	0.013	0.014	0.014	510
P2	P	0,30	0,32	0,34	0,36	0,38	150
	P	0.012	0.013	0.013	0.014	0.015	490
P3	P	0,28	0,30	0,32	0,34	0,36	130
	P	0.011	0.012	0.013	0.013	0.014	425
P4	P	0,28	0,30	0,32	0,34	0,34	115
	P	0.011	0.012	0.013	0.013	0.013	375
P5	P	0,28	0,30	0,32	0,32	0,34	110
	P	0.011	0.012	0.013	0.013	0.013	360
P6	P	0,28	0,30	0,30	0,32	0,34	120
	P	0.011	0.012	0.012	0.013	0.013	395
P7	P	0,28	0,30	0,30	0,32	0,34	115
	P	0.011	0.012	0.012	0.013	0.013	375
P8	P	0,28	0,30	0,32	0,34	0,36	110
	P	0.011	0.012	0.013	0.013	0.014	360
P11	P	0,28	0,30	0,30	0,32	0,34	110
	P	0.011	0.012	0.012	0.013	0.013	360
P12	P	0,19	0,20	0,22	0,22	0,24	65
	P	0.0075	0.0080	0.0085	0.0085	0.0095	215
M1	M	0,17	0,19	0,20	0,22	0,22	95
	M	0.0065	0.0075	0.0080	0.0085	0.0085	310
M2	M	0,16	0,17	0,18	0,19	0,20	80
	M	0.0065	0.0065	0.0070	0.0075	0.0080	260
M3	M	0,13	0,14	0,14	0,15	0,16	60
	M	0.0050	0.0055	0.0055	0.0060	0.0065	195
M4	M	0,11	0,12	0,13	0,13	0,14	45
	M	0.0044	0.0048	0.0050	0.0050	0.0055	150
M5	M	0,11	0,12	0,13	0,13	0,14	37
	M	0.0044	0.0048	0.0050	0.0050	0.0055	120
K1	P	0,28	0,30	0,32	0,34	0,36	110
	P	0.011	0.012	0.013	0.013	0.014	360
K2	P	0,26	0,28	0,30	0,32	0,32	95
	P	0.010	0.011	0.012	0.013	0.013	310
K3	P	0,26	0,28	0,30	0,32	0,32	80
	P	0.010	0.011	0.012	0.013	0.013	260
K4	P	0,26	0,28	0,30	0,32	0,32	75
	P	0.010	0.011	0.012	0.013	0.013	245
K5	P	0,24	0,25	0,26	0,28	0,30	45
	P	0.0095	0.010	0.010	0.011	0.012	150
N2	M	0,26	0,28	0,30	0,32	0,34	215
	M	0.010	0.011	0.012	0.013	0.013	710
N3	M	0,26	0,28	0,30	0,32	0,34	145
	M	0.010	0.011	0.012	0.013	0.013	475
N11	M	0,26	0,28	0,30	0,32	0,34	170
	M	0.010	0.011	0.012	0.013	0.013	560
S1	M	0,095	0,11	0,12	0,13	0,13	34
	M	0.0038	0.0044	0.0048	0.0050	0.0050	110
S2	M	0,095	0,11	0,12	0,13	0,13	24
	M	0.0038	0.0044	0.0048	0.0050	0.0050	80
S3	M	0,095	0,11	0,12	0,13	0,13	24
	M	0.0038	0.0044	0.0048	0.0050	0.0050	80
S11	M	0,16	0,17	0,19	0,20	0,22	65
	M	0.0065	0.0065	0.0075	0.0080	0.0085	215
S12	M	0,16	0,17	0,19	0,20	0,22	49
	M	0.0065	0.0065	0.0075	0.0080	0.0085	160
S13	M	0,14	0,15	0,17	0,18	0,19	38
	M	0.0055	0.0060	0.0065	0.0070	0.0075	125
H3	P	0,12	0,13	0,14	0,15	0,15	32
	P	0.0048	0.0050	0.0055	0.0060	0.0060	105
H5	P	0,19	0,20	0,22	0,22	0,24	60
	P	0.0075	0.0080	0.0085	0.0085	0.0095	195
H7	P	0,12	0,13	0,14	0,15	0,15	32
	P	0.0048	0.0050	0.0055	0.0060	0.0060	105
H8	P	0,14	0,15	0,16	0,17	0,18	60
	P	0.0055	0.0060	0.0065	0.0065	0.0070	195
H11	P	0,19	0,20	0,22	0,22	0,24	75
	P	0.0075	0.0080	0.0085	0.0085	0.0095	245
H12	P	0,14	0,15	0,16	0,17	0,18	39
	P	0.0055	0.0060	0.0065	0.0065	0.0070	130
H21	P	0,14	0,15	0,16	0,17	0,18	60
	P	0.0055	0.0060	0.0065	0.0065	0.0070	195

SMG = Seco malzeme grubu f = mm/rev (IPR) v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

SD405 – Ø 12-20 mm / 0.472-0.787 inç

SMG		f					v _c
		Ø12,00 Ø 0.472	Ø14,00 Ø 0.551	Ø16,00 Ø 0.630	Ø18,00 Ø 0.709	Ø20,00 Ø 0.787	
P1	P	0,30	0,32	0,34	0,36	0,36	125
	P	0,012	0,013	0,013	0,014	0,014	410
P2	P	0,30	0,32	0,34	0,36	0,38	120
	P	0,012	0,013	0,013	0,014	0,015	395
P3	P	0,28	0,30	0,32	0,34	0,36	105
	P	0,011	0,012	0,013	0,013	0,014	345
P4	P	0,28	0,30	0,32	0,34	0,34	95
	P	0,011	0,012	0,013	0,013	0,013	310
P5	P	0,28	0,30	0,32	0,32	0,34	90
	P	0,011	0,012	0,013	0,013	0,013	295
P6	P	0,28	0,30	0,30	0,32	0,34	100
	P	0,011	0,012	0,012	0,013	0,013	330
P7	P	0,28	0,30	0,30	0,32	0,34	95
	P	0,011	0,012	0,012	0,013	0,013	310
P8	P	0,28	0,30	0,32	0,34	0,36	90
	P	0,011	0,012	0,013	0,013	0,014	295
P11	P	0,28	0,30	0,30	0,32	0,34	90
	P	0,011	0,012	0,012	0,013	0,013	295
P12	P	0,19	0,20	0,22	0,22	0,24	55
	P	0,0075	0,0080	0,0085	0,0085	0,0095	180
M1	M	0,17	0,19	0,20	0,22	0,22	80
	M	0,0065	0,0075	0,0080	0,0085	0,0085	260
M2	M	0,16	0,17	0,18	0,19	0,20	65
	M	0,0065	0,0065	0,0070	0,0075	0,0080	215
M3	M	0,13	0,14	0,14	0,15	0,16	49
	M	0,0050	0,0055	0,0055	0,0060	0,0065	160
M4	M	0,11	0,12	0,13	0,13	0,14	37
	M	0,0044	0,0048	0,0050	0,0050	0,0055	120
M5	M	0,11	0,12	0,13	0,13	0,14	31
	M	0,0044	0,0048	0,0050	0,0050	0,0055	100
K1	P	0,28	0,30	0,32	0,34	0,36	90
	P	0,011	0,012	0,013	0,013	0,014	295
K2	P	0,26	0,28	0,30	0,32	0,32	75
	P	0,010	0,011	0,012	0,013	0,013	245
K3	P	0,26	0,28	0,30	0,32	0,32	65
	P	0,010	0,011	0,012	0,013	0,013	215
K4	P	0,26	0,28	0,30	0,32	0,32	60
	P	0,010	0,011	0,012	0,013	0,013	195
K5	P	0,24	0,25	0,26	0,28	0,30	37
	P	0,0095	0,010	0,010	0,011	0,012	120
N2	M	0,26	0,28	0,30	0,32	0,34	175
	M	0,010	0,011	0,012	0,013	0,013	570
N3	M	0,26	0,28	0,30	0,32	0,34	120
	M	0,010	0,011	0,012	0,013	0,013	395
N11	M	0,26	0,28	0,30	0,32	0,34	140
	M	0,010	0,011	0,012	0,013	0,013	460
S1	M	0,095	0,11	0,12	0,13	0,13	28
	M	0,0038	0,0044	0,0048	0,0050	0,0050	90
S2	M	0,095	0,11	0,12	0,13	0,13	20
	M	0,0038	0,0044	0,0048	0,0050	0,0050	65
S3	M	0,095	0,11	0,12	0,13	0,13	20
	M	0,0038	0,0044	0,0048	0,0050	0,0050	65
S11	M	0,16	0,17	0,19	0,20	0,22	50
	M	0,0065	0,0065	0,0075	0,0080	0,0085	165
S12	M	0,16	0,17	0,19	0,20	0,22	40
	M	0,0065	0,0065	0,0075	0,0080	0,0085	130
S13	M	0,14	0,15	0,17	0,18	0,19	31
	M	0,0055	0,0060	0,0065	0,0070	0,0075	100
H3	P	0,12	0,13	0,14	0,15	0,15	26
	P	0,0048	0,0050	0,0055	0,0060	0,0060	85
H5	P	0,19	0,20	0,22	0,22	0,24	49
	P	0,0075	0,0080	0,0085	0,0085	0,0095	160
H7	P	0,12	0,13	0,14	0,15	0,15	26
	P	0,0048	0,0050	0,0055	0,0060	0,0060	85
H8	P	0,14	0,15	0,16	0,17	0,18	49
	P	0,0055	0,0060	0,0065	0,0065	0,0070	160
H11	P	0,19	0,20	0,22	0,22	0,24	60
	P	0,0075	0,0080	0,0085	0,0085	0,0095	195
H12	P	0,14	0,15	0,16	0,17	0,18	32
	P	0,0055	0,0060	0,0065	0,0065	0,0070	105
H21	P	0,14	0,15	0,16	0,17	0,18	49
	P	0,0055	0,0060	0,0065	0,0065	0,0070	160

SMG = Seco malzeme grubu f = mm/rev (IPR) v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

Giriş

Delme

Raybalama

Baralama

Ek

SD408 – Ø 12-20 mm / 0.472-0.787 inç

SMG		f					v _c
		Ø12,00 Ø 0.472	Ø14,00 Ø 0.551	Ø16,00 Ø 0.630	Ø18,00 Ø 0.709	Ø20,00 Ø 0.787	
P1	P	0,30	0,32	0,34	0,36	0,36	100
	P	0.012	0.013	0.013	0.014	0.014	330
P2	P	0,30	0,32	0,34	0,36	0,38	100
	P	0.012	0.013	0.013	0.014	0.015	330
P3	P	0,28	0,30	0,32	0,34	0,36	85
	P	0.011	0.012	0.013	0.013	0.014	280
P4	P	0,28	0,30	0,32	0,34	0,34	75
	P	0.011	0.012	0.013	0.013	0.013	245
P5	P	0,28	0,30	0,32	0,32	0,34	70
	P	0.011	0.012	0.013	0.013	0.013	230
P6	P	0,28	0,30	0,30	0,32	0,34	80
	P	0.011	0.012	0.012	0.013	0.013	260
P7	P	0,28	0,30	0,30	0,32	0,34	75
	P	0.011	0.012	0.012	0.013	0.013	245
P8	P	0,28	0,30	0,32	0,34	0,36	70
	P	0.011	0.012	0.013	0.013	0.014	230
P11	P	0,28	0,30	0,30	0,32	0,34	75
	P	0.011	0.012	0.012	0.013	0.013	245
P12	P	0,19	0,20	0,22	0,22	0,24	43
	P	0.0075	0.0080	0.0085	0.0085	0.0095	140
M1	M	0,17	0,19	0,20	0,22	0,22	65
	M	0.0065	0.0075	0.0080	0.0085	0.0085	215
M2	M	0,16	0,17	0,18	0,19	0,20	50
	M	0.0065	0.0065	0.0070	0.0075	0.0080	165
M3	M	0,13	0,14	0,14	0,15	0,16	39
	M	0.0050	0.0055	0.0055	0.0060	0.0065	130
M4	M	0,11	0,12	0,13	0,13	0,14	29
	M	0.0044	0.0048	0.0050	0.0050	0.0055	95
M5	M	0,11	0,12	0,13	0,13	0,14	24
	M	0.0044	0.0048	0.0050	0.0050	0.0055	80
K1	P	0,28	0,30	0,32	0,34	0,36	70
	P	0.011	0.012	0.013	0.013	0.014	230
K2	P	0,26	0,28	0,30	0,32	0,32	60
	P	0.010	0.011	0.012	0.013	0.013	195
K3	P	0,26	0,28	0,30	0,32	0,32	50
	P	0.010	0.011	0.012	0.013	0.013	165
K4	P	0,26	0,28	0,30	0,32	0,32	49
	P	0.010	0.011	0.012	0.013	0.013	160
K5	P	0,24	0,25	0,26	0,28	0,30	29
	P	0.0095	0.010	0.010	0.011	0.012	95
N2	M	0,26	0,28	0,30	0,32	0,34	140
	M	0.010	0.011	0.012	0.013	0.013	460
N3	M	0,26	0,28	0,30	0,32	0,34	95
	M	0.010	0.011	0.012	0.013	0.013	310
N11	M	0,26	0,28	0,30	0,32	0,34	110
	M	0.010	0.011	0.012	0.013	0.013	360
S1	M	0,095	0,11	0,12	0,13	0,13	22
	M	0.0038	0.0044	0.0048	0.0050	0.0050	70
S2	M	0,095	0,11	0,12	0,13	0,13	16
	M	0.0038	0.0044	0.0048	0.0050	0.0050	50
S3	M	0,095	0,11	0,12	0,13	0,13	16
	M	0.0038	0.0044	0.0048	0.0050	0.0050	50
S11	M	0,16	0,17	0,19	0,20	0,22	42
	M	0.0065	0.0065	0.0075	0.0080	0.0085	140
S12	M	0,16	0,17	0,19	0,20	0,22	32
	M	0.0065	0.0065	0.0075	0.0080	0.0085	105
S13	M	0,14	0,15	0,17	0,18	0,19	25
	M	0.0055	0.0060	0.0065	0.0070	0.0075	80
H3	P	0,12	0,13	0,14	0,15	0,15	21
	P	0.0048	0.0050	0.0055	0.0060	0.0060	70
H5	P	0,19	0,20	0,22	0,22	0,24	39
	P	0.0075	0.0080	0.0085	0.0085	0.0095	130
H7	P	0,12	0,13	0,14	0,15	0,15	21
	P	0.0048	0.0050	0.0055	0.0060	0.0060	70
H8	P	0,14	0,15	0,16	0,17	0,18	39
	P	0.0055	0.0060	0.0065	0.0065	0.0070	130
H11	P	0,19	0,20	0,22	0,22	0,24	49
	P	0.0075	0.0080	0.0085	0.0085	0.0095	160
H12	P	0,14	0,15	0,16	0,17	0,18	26
	P	0.0055	0.0060	0.0065	0.0065	0.0070	85
H21	P	0,14	0,15	0,16	0,17	0,18	39
	P	0.0055	0.0060	0.0065	0.0065	0.0070	130

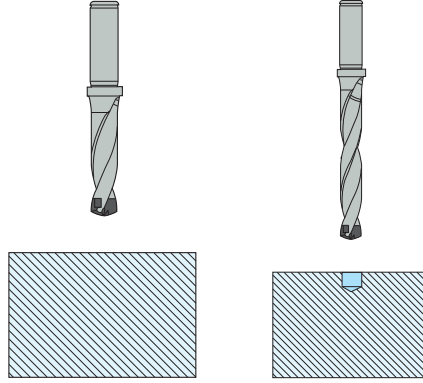
SMG = Seco malzeme grubu f = mm/rev (IPR) v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

Uygulama bilgisi

Uygulama bilgisi

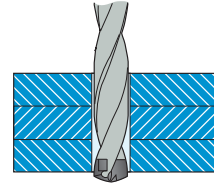
İşlenmiş yüzey

SD403 ve SD405 kullanırken ön delik ya da giriş ilerlemesi gerekmez. SD408 matkap gövdesi kullanılırken ön delik işlemi her zaman tavsiye edilir. (Paslanmaz çelikte SD405 kullanırken, ön delme gerekebilir.)



Yığın halindeki malzemeler

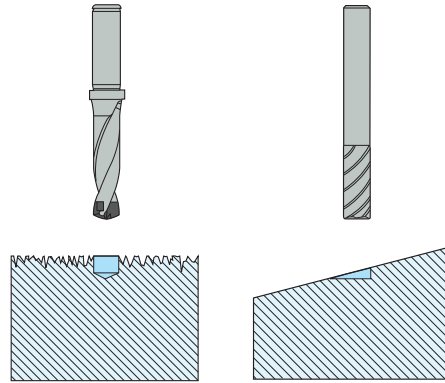
Yığın halindeki malzemeler birbirine hava boşlukları olmadan güvenli ve iyi bir şekilde bağlanmışsa onları delmek mümkündür. Hava boşluğu kalmışsa talaşların boşalmasını etkileyerek matkaba zarar verebilir.



Bozuk/Açılı delik girişleri

Bozuk yüzey veya açılı giriş varsa duruma göre ön işleme yapın. >3 x D matkaplar kullanırken, standart bir takım ile (ör. SD403) ön delik işlemi tavsiye edilir

Ön delik operasyonu alternatifleri



Bozuk yüzeyli delik girişleri

Bir Seco parmak freze ile açılı yüzeye düzlük yapın.

Açılı delik girişleri

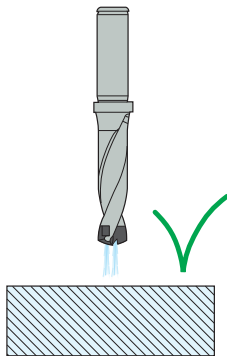
Soğutma sıvısı tavsiyeleri

Soğutma sıvısı basıncı

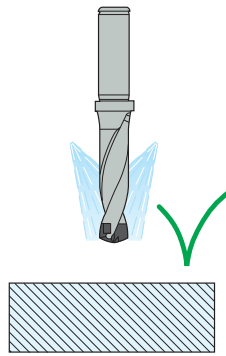
≤ 3 x D matkaplarda tavsiye edilen minimum soğutma sıvısı basıncı 10 bar (145 PSI)
> 3 x D matkaplarda tavsiye edilen minimum soğutma sıvısı basıncı 30 bar (435 PSI)

Soğutma sıvısı karışımı

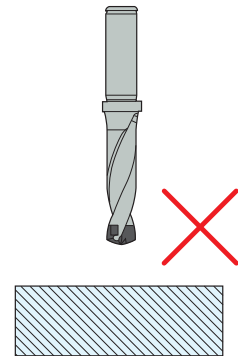
Tavsiye edilen emülsiyon karışımı %6-8'dir. Paslanmaz çelik, süper alaşım ve yüksek mukavemetli çelikler delerken karışımının %10 olması tavsiye edilir



İlk tercih



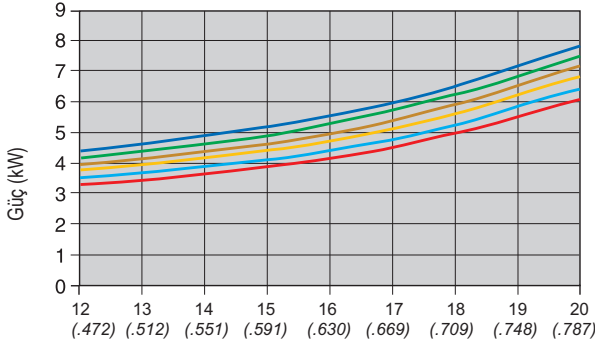
> 3 x D



İşleme verileri

Grafiklerdeki değerler kesme verilerine, malzemeye, tezgah verimliliğine ve takım aşınmasına göre farklılıklar gösterebilir. Aşağıdaki grafikler Seco Malzeme Grubu (SMG) P5-P6 ve kesme hızı 90 m/dak (295 SFM) için geçerlidir.

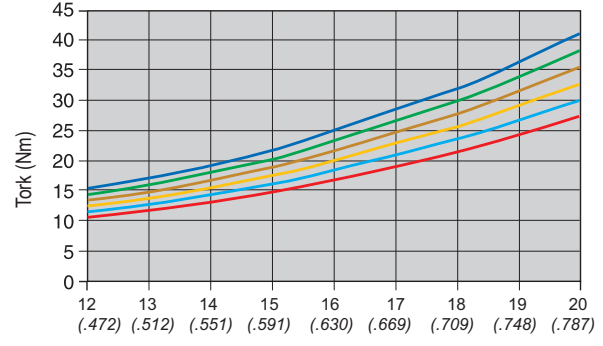
Net güç tüketimi



Matkap çapı mm / (inç)

f = 0,32 (0.013") f = 0,30 (0.012") f = 0,27 (0.011") f = 0,24 (0.009") f = 0,22 (0.0086") f = 0,20 (0.0078")

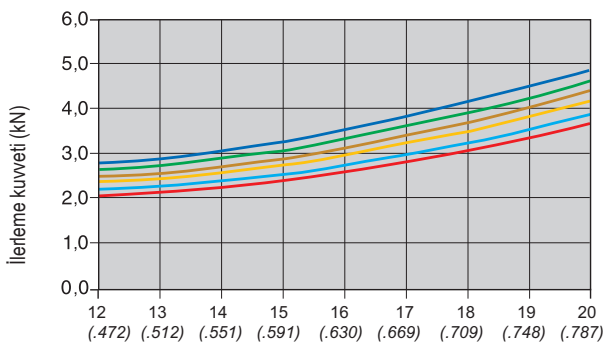
Delme momenti



Matkap çapı mm / (inç)

f = 0,32 (0.013") f = 0,30 (0.012") f = 0,27 (0.011") f = 0,24 (0.009") f = 0,22 (0.0086") f = 0,20 (0.0078")

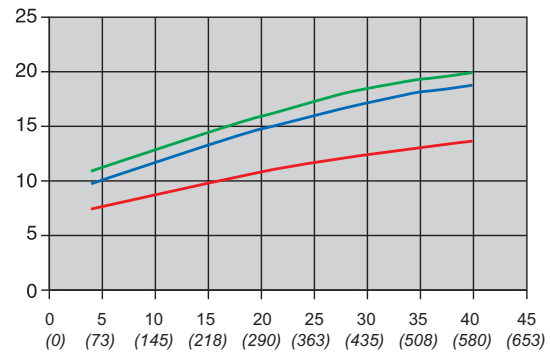
İlerleme kuvveti



Matkap çapı mm / (inç)

f = 0,32 (0.013") f = 0,30 (0.012") f = 0,27 (0.011") f = 0,24 (0.009") f = 0,22 (0.0086") f = 0,20 (0.0078")

Farklı basınçlarda soğutma sıvısı akışı



Ø 17-19,99 mm (0.67-0.79")
Ø 14-16,99 mm (0.55-0.67")
Ø 12-13,99 mm (0.47-0.55")

Tavsiye edilen soğutma sıvısı akışı Dx1 l/dak

Minimum soğutma sıvısı akışı D/2 l/dak

D = Matkap çapı

≤ 3 x D matkaplarda tavsiye edilen minimum soğutma sıvısı basıncı 10 bar (145 PSI)

≤ 5 x D matkaplarda tavsiye edilen minimum soğutma sıvısı basıncı 20 bar (290 PSI)

> 5 x D matkaplarda tavsiye edilen minimum soğutma sıvısı basıncı 40 bar (580 PSI)

Soğutma sıvısı karışımı

Tavsiye edilen emülsiyon karışımı %6-8'dir.

Paslanmaz çelik, süper alaşım ve yüksek mukavemetli çelikler delerken karışımının %10 olması tavsiye edilir.

Delik toleransları/Yüzey kalitesi

SD403, SD405 ve SD408 IT9-10 / R _a 1-4*, Ra 39-157 µin*					
Matkap Ø DC (mm)	IT9 tolerans (µm)	IT10 tolerans (µm)	Matkap Ø DC (inç)	IT9 tolerans (inç)	IT10 tolerans (inç)
10-18	0 - +43	0 - +70	0 - +0.394-0.709	0 - +0.0017	0 - +0.0028
18-30	0 - +52	0 - +84	0 - +0.709-1.181	0 - +0.0020	0 - +0.0033

*Düşük karbonlu çelikleri ya da paslanmaz çelikleri delerken yüzey kalitesinde ve delik toleransında kötüleşme olabilir. En iyi delik kalitesini elde etmek için mümkün olan en kısa matkabı kullanın.

Sorun giderme - Başlangıç kontrolleri:

- Bağlamanın sağlamlığı
- Fener milinin durumu
- Tutucunun durumu
- Takımın bağlanması:
 - Toplam salgı 0,06 içinde olmalı
- Talaş boşaltma:
 - Kesme verisi
- Soğutma sıvısı:
 - Basınç
 - Akış
 - Konsantrasyon

<p>Kesme kenarlarının ufalanması</p> <ul style="list-style-type: none"> İlerlemeyi/devri düşürün Matkap titreşim yapıyorsa kesme hızını düşürün ve ilerleme oranını artırın Sert, pürüzlü veya açılı yüzeylerde delme yaparken girişte ve çıkışta ilerleme oranını %30 - %50 oranında düşürün 	<p>Yetersiz çap toleransı</p> <ul style="list-style-type: none"> İlerlemeyi/devri artırın Seco Feedmax solid karbür matkap kullanın, bkz. sayfa 15-18 Raybalama yapın, bkz. sayfa 328 Baralama yapın, bkz. sayfa 492-493
<p>Çok hızlı yanak aşınması</p> <ul style="list-style-type: none"> Doğru geometrinin kullanılıp kullanılmadığını kontrol edin Kesme hızını azaltın 	<p>Yetersiz yüzey kalitesi</p> <ul style="list-style-type: none"> İlerlemeyi/devri düşürün Kesme hızını artırın Doğru geometrinin kullanılıp kullanılmadığını kontrol edin Seco Feedmax solid karbür matkap kullanın, bkz. sayfa 15-18 Raybalama yapın, bkz. sayfa 328
<p>Kanal aşınması</p> <ul style="list-style-type: none"> İlerlemeyi/devri düşürün Kesme hızını düşürün Soğutma sıvısı konsantrasyonunu artırın 	<p>Yetersiz delik konumlandırması</p> <ul style="list-style-type: none"> İlerlemeyi/devri düşürün Sert, pürüzlü veya açılı yüzeylerde delme yaparken, girişte ve çıkışta ilerleme oranını %30-%50 oranında düşürün 140°'lik nokta açısı ile önceden delin Seco Feedmax solid karbür matkap kullanın, bkz. sayfa 15-18 Baralama yapın, bkz. sayfa 492-493
<p>Çevre yüzey zırlı aşınması</p> <ul style="list-style-type: none"> Doğru geometrinin kullanılıp kullanılmadığını kontrol edin Kesme hızını düşürün Soğutma sıvısı konsantrasyonunu artırın Sert, pürüzlü veya açılı yüzeylerde delme yaparken, girişte ve çıkışta ilerleme oranını %30 - %50 oranında düşürün 	<p>Uzun talaşlardan dolayı talaş sıkışması</p> <ul style="list-style-type: none"> İlerlemeyi artırın Uzun talaşlı malzemelerde (SMG P1-P4, SMG M1-M2 gibi): <ul style="list-style-type: none"> - Kesme hızını artırın ve ilerlemeyi/devri düşürün - L geometri kullanın








Perfomax®



Perfomax®, verimli delik açma söz konusu olduğunda ekonomik bir çözüm sunan, uzun zamandır varlığını sürdüren ve kendini kanıtlamış değiştirilebilir uçlu matkapdır.

- Dayanıklı ve güvenilir kare uçların her biri dört kesme kenarı sunar.
- Farklı iş parçası malzemeleri için en modern uç kaliteleri ve geometrileri mevcuttur.
- Matkap gövdesi tasarımında benzersiz talaş kanallı tasarım ve talaş kaldırmayı optimize etmek için her boyutta soğutma sıvısı delikleri bulunur.

Ürünlere genel bakış

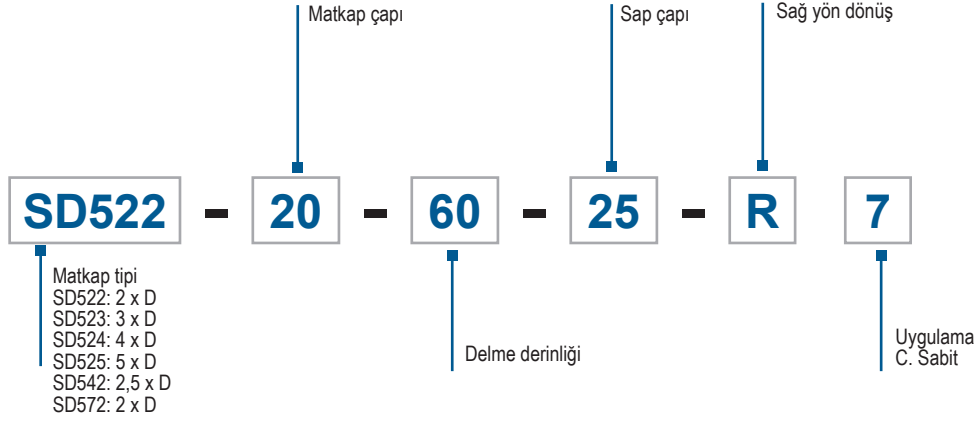
Perfomax®	Ø Aralığı	Delme derinliği	Matkap Ø toleransı	Delik toleransı
SD522  Sayfa(lar) 242, 243, 244-242, 243, 244	15-59 mm (0.594-2.375")	~ 2 x D	+/- 0,1 mm (+/- 0.004")	+0/+ 0,2 mm (+ 0/+ 0.008")
SD523  Sayfa(lar) 245, 246, 247, 248-261, 262, 263	15-59 mm (0.594-2.375")	~ 3 x D	+/- 0,1 mm (+/- 0.004")	+0/+ 0,3 mm (+ 0/+ 0.012")
SD524  Sayfa(lar) 264, 265, 266-276, 277	17-59 mm (0.594-2.375")	~ 4 x D	+/- 0,1 mm (+/- 0.004")	+ 0,4 mm (+ 0/+ 0.016")
SD525  Sayfa(lar) 278, 279-280	19-45 mm (0.750-2.000")	~ 5 x D	+/- 0,1 mm (+/- 0.004")	+0/+ 0,5 mm (+ 0/+ 0.020")
SD542  Sayfa(lar) 281-282	60-85 mm (2.250-3.500")	~ 2,5 x D	+/- 0,1 mm (+/- 0.004")	+0/+ 0,2 mm (+ 0/+ 0.008")

Ürönlere genel bakış

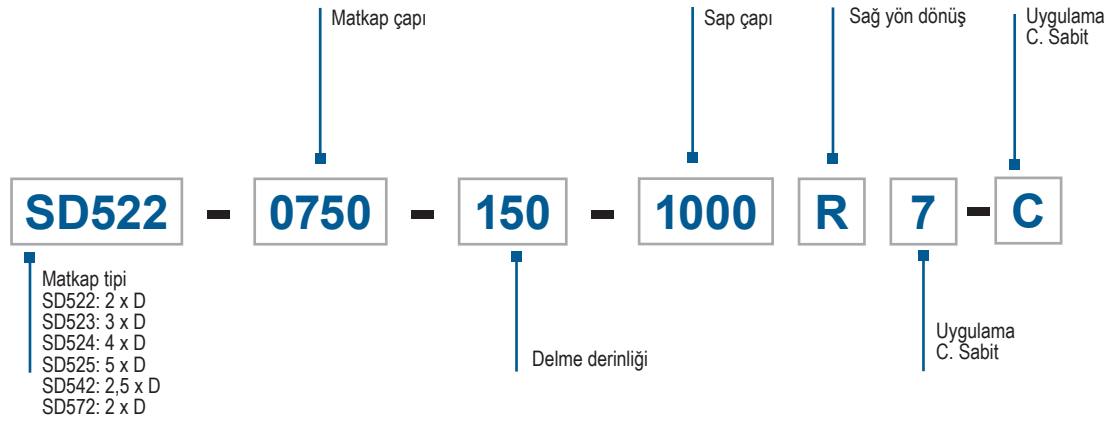
Perfomax®	Ø Aralığı	Delme derinliđi	Matkap Ø toleransı	Delik toleransı
<p>SD572</p>  <p>Sayfa(lar) 283, 284-283, 284</p>	<p>15-47 mm (0.591"-1.850")</p>	<p>~ 2 x D</p>	<p>+/- 0,1 mm (+/- 0.004")</p>	<p>+0/+ 0,2 mm (+ 0/+ 0.008")</p>
<p>SD602</p>  <p>Sayfa(lar) 287-291</p>	<p>60-160 mm (2.5"-4.000")</p>	<p>~ 1-10 x D</p>	<p>+/- 0,2 mm (+/- 0.008")</p>	<p>-</p>

Kod anahtarları - Değiştirilebilir uçlu matkap

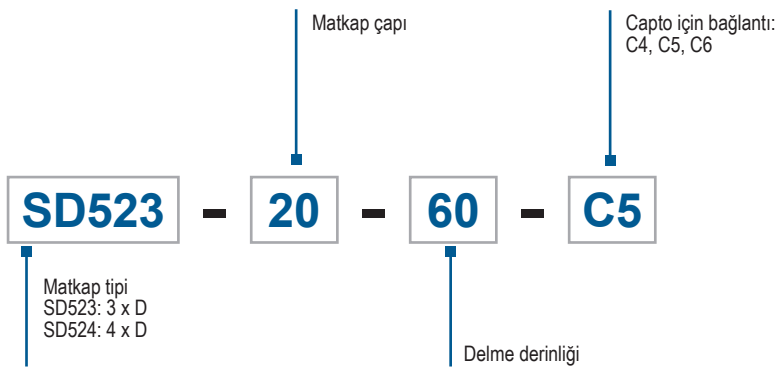
Metrik



İnç



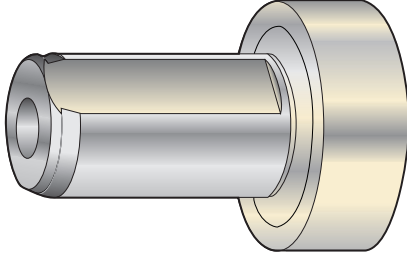
Capto™



Saplar

Saplar

-R7



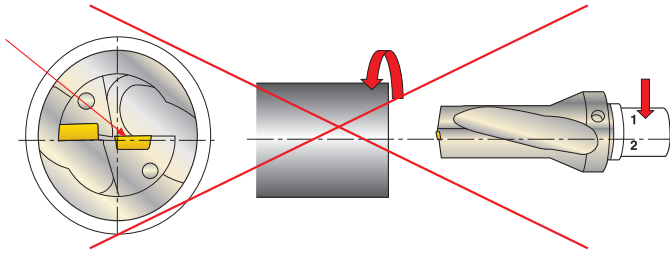
ISO 9766

Genel seçim, piyasadaki çoğu tutucu ile uyumludur, ör.:

- Weldon 1835B
- ISO 5414
- DIN 69880

Soğutma sıvısı girişi, matkabın arka ucundadır.

R7 ve R7-C

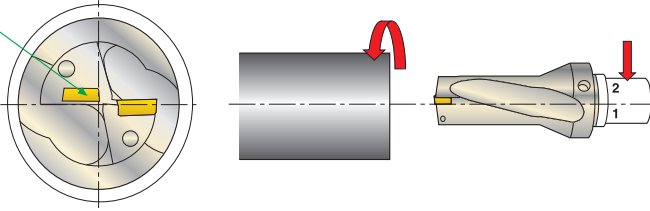


İki veya dört düz kesimli saplar

İş parçası merkez çizgisinin üzerinde merkez uçlu kesme kenarı.

Sabit takım uygulamaları için:

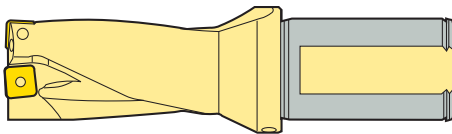
- Torna uygulamalarında esnekliği arttırmak için sapa ikinci bir düz kesim yapılmıştır.
- Bu tip uygulamalarda iş parçasının merkezi ile matkabın merkezi aynı hizada olmalıdır.
- Aksi halde merkezdeki ucun iş parçası ekseninin üzerinde kalır ve bu da matkabın performansını düşürür.



Matkabı 180 derece döndürerek ikinci düz kesimin eksen kaçıklığını kolayca gidermesini sağlayabilirsiniz.

Dört düz kesimli saplar

İş parçası merkez çizgisinin üzerinde merkez uçlu kesme kenarı.

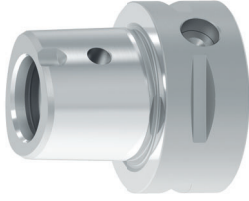


NOT!

- Dönen uygulamalarda -7 tip saplı matkap ile birlikte ayarlı tutucularımızı kullanırsanız merkez uç ile aynı hizada bulunan düzlük kullanılmalıdır.
- Aksi takdirde matkap çapı yanlış şekilde pozisyonlanacaktır.

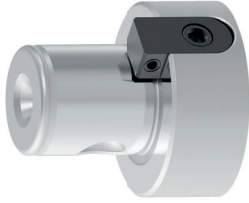
Saplar

Seco-Capto

**Seco-Capto C4, C5, C6**

- Esnek - Aynı takım tutucu değişik tezgahlarda kolayca kullanılabilir.
- Modüler - Ara uzatma adaptörleri ile takım oluşturma imkanı.
- Yüksek tork iletimi - Tork yükü simetrik olarak dağıtılır.
- Yüksek sağlamlık - Uygun sıkı baskı kuvveti bağlantının oynamamasını sağlar.
- Hassasiyet - Konik poligon, 2 mikron hassasiyetle kendini merkezleyen kuvvetli bağlama sağlar.

Graflex

**- G**

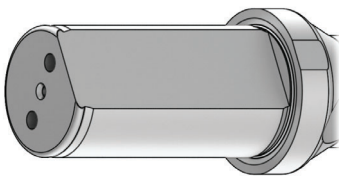
- Graflex tutucularına direkt olarak takılır ve 120° aralıkla yerleştirilen iki yuvarlak kafalı sıkma vidası ile kilitlenir.
- Rijitlik ve iyi salgı sağlayan modüler düzenekler.
- Silindirik/yüzey bağlantısı - yüksek hassasiyet.
- Yüksek esneklik için modüllerin hızlı ve kolay bir şekilde monte edilmesi/sökülmesi.
- Soğutma sıvısı girişi, matkabın arka ucundadır.

ABS 50 (uyumlu)

**- 2**

- ABS 50 ile uyumlu bir sap.
- Bir sıkma vidasıyla ABS 50 tutucusuna direkt olarak takılabilir.
- Soğutma sıvısı girişi, matkabın arka ucundadır.

VDI 30 ve VDI 40 (uyumlu)

**- 8**

- VDI uyumlu sap.
- Şu tutuculara uyar:
 - VDI 3425 bl.2
 - DIN 69880

NOT!

Soğutma sıvısı halkası ayrıca sipariş edilmelidir.

Saplar – Soğutma sıvısı halkası

Delme derinliği	VDI 30		Aksesuarlar Soğutma sıvısı halkası
	mm	inç	



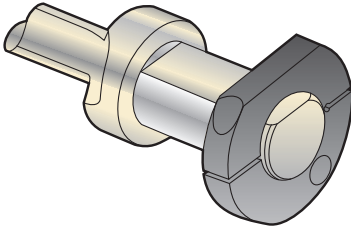
2 x D	15-31	0,591-1,220	SDA5-30R8
3 x D	15-31	0,591-1,220	SDA5-30R8
4 x D	17-31	0,669-1,220	SDA5-30R8
5 x D	19-31	0,748-1,220	SDA5-30R8

Delme derinliği	VDI 40		Kör tapa	Sıkma vidası	Aksesuarlar Soğutma sıvısı halkası
	mm	inç			

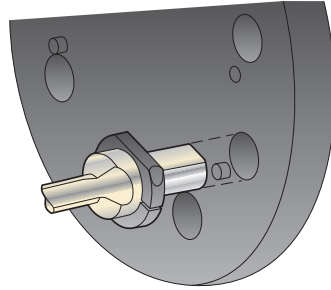


2 x D	15-31	0,591-1,220			SDA5-40R8
3 x D	15-31	0,591-1,220			SDA5-40R8
4 x D	17-31	0,669-1,220			SDA5-40R8
5 x D	19-31	0,748-1,220			SDA5-40R8
2 x D	41-59	1,614-2,323	R1/4"	P6SS8x8	SDA5-40R8
3 x D	41-59	1,614-2,323	R1/4"	P6SS8x8	SDA5-40R8

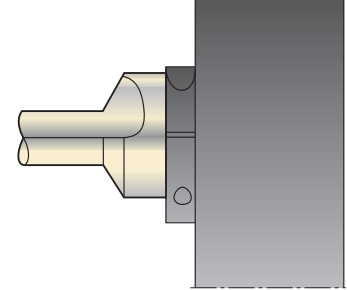
1. Halkayı matkabın sapına takın fakat sıkma vidalarını sıkmayın.



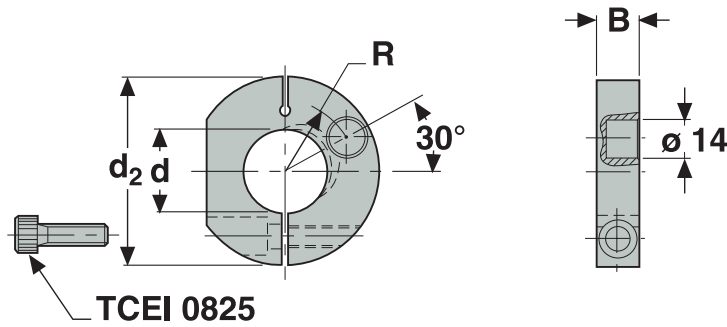
2. Matkabı pensin içinde kilitleyin.



3. Sıkma vidasını soğutma sıvısı halkasının içinde sıkın.

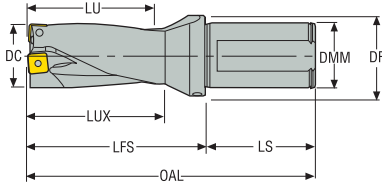


Soğutma sıvısı halkası



SD522

Delme derinliği ~ 2 x D – Metrik



- ISO 9766 sap, -7
- İçten soğutma sıvısı
- Uç bilgileri için, bakınız sayfa 297-303
- Kesme verileri için, bakınız sayfa 304, 305
- Ara çaplar için lütfen MyDesign programına bakınız

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	LFS	LS	DMM	DF	Uç		Radial ayar	
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	Merkez uç	Çevre uç	mm - İnç -	mm + İnç +
SD522-15-30-20R7	03080744	15,0 0.591	30,0 1.181	110,0 4.331	35,0 1.378	60,0 2.362	50,0 1.969	20,0 0.787	30,0 1.181	SPGX0502	SCGX050204	0,22 0.009	0,31 0.012
SD522-15-30-25R7	03080745	15,0 0.591	30,0 1.181	116,0 4.567	35,0 1.378	60,0 2.362	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0502	SCGX050204	0,22 0.009	0,31 0.012
SD522-15.5-31-20R7	03080740	15,5 0.610	31,0 1.220	111,0 4.370	36,0 1.417	61,0 2.402	50,0 1.969	20,0 0.787	30,0 1.181	SPGX0502	SCGX050204	0,17 0.007	0,36 0.014
SD522-15.5-31-25R7	03080741	15,5 0.610	31,0 1.220	117,0 4.606	36,0 1.417	61,0 2.402	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0502	SCGX050204	0,17 0.007	0,36 0.014
SD522-16-32-20R7	03080749	16,0 0.630	32,0 1.260	112,0 4.409	37,0 1.457	62,0 2.441	50,0 1.969	20,0 0.787	30,0 1.181	SPGX0502	SCGX050204	0,12 0.005	0,41 0.016
SD522-16-32-25R7	03080750	16,0 0.630	32,0 1.260	118,0 4.646	37,0 1.457	62,0 2.441	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0502	SCGX050204	0,12 0.005	0,41 0.016
SD522-16.5-33-20R7	03080746	16,5 0.650	33,0 1.299	113,0 4.449	38,0 1.496	63,0 2.480	50,0 1.969	20,0 0.787	30,0 1.181	SPGX0502	SCGX050204	0,07 0.003	0,46 0.018
SD522-16.5-33-25R7	03080747	16,5 0.650	33,0 1.299	119,0 4.685	38,0 1.496	63,0 2.480	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0502	SCGX050204	0,07 0.003	0,46 0.018
SD522-17-34-20R7	03080754	17,0 0.669	34,0 1.339	114,0 4.488	39,0 1.535	64,0 2.520	50,0 1.969	20,0 0.787	30,0 1.181	SPGX0502	SCGX050204	0,02 0.001	0,5 0.020
SD522-17-34-25R7	03080755	17,0 0.669	34,0 1.339	120,0 4.724	39,0 1.535	64,0 2.520	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0502	SCGX050204	0,02 0.001	0,5 0.020
SD522-17.5-35-20R7	03080752	17,5 0.689	35,0 1.378	115,0 4.528	40,0 1.575	65,0 2.559	50,0 1.969	20,0 0.787	30,0 1.181	SPGX0602	SCGX050204	0,43 0.017	0,1 0.004
SD522-17.5-35-25R7	03080753	17,5 0.689	35,0 1.378	121,0 4.764	40,0 1.575	65,0 2.559	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0602	SCGX050204	0,43 0.017	0,1 0.004
SD522-18-36-20R7	03080760	18,0 0.709	36,0 1.417	116,0 4.567	41,0 1.614	66,0 2.598	50,0 1.969	20,0 0.787	30,0 1.181	SPGX0602	SCGX050204	0,32 0.013	0,21 0.008
SD522-18-36-25R7	03080761	18,0 0.709	36,0 1.417	122,0 4.803	41,0 1.614	66,0 2.598	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0602	SCGX050204	0,32 0.013	0,21 0.008
SD522-18.5-37-20R7	03080758	18,5 0.728	37,0 1.457	117,0 4.606	42,0 1.654	67,0 2.638	50,0 1.969	20,0 0.787	30,0 1.181	SPGX0602	SCGX050204	0,22 0.009	0,31 0.012
SD522-18.5-37-25R7	03080759	18,5 0.728	37,0 1.457	123,0 4.843	42,0 1.654	67,0 2.638	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0602	SCGX050204	0,22 0.009	0,31 0.012
SD522-19-38-20R7	03080765	19,0 0.748	38,0 1.496	118,0 4.646	43,0 1.693	68,0 2.677	50,0 1.969	20,0 0.787	30,0 1.181	SPGX0602	SCGX050204	0,11 0.004	0,42 0.017
SD522-19-38-25R7	03080766	19,0 0.748	38,0 1.496	124,0 4.882	43,0 1.693	68,0 2.677	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0602	SCGX050204	0,11 0.004	0,42 0.017
SD522-19.5-39-20R7	03080764	19,5 0.768	39,0 1.535	119,0 4.685	44,0 1.732	69,0 2.717	50,0 1.969	20,0 0.787	30,0 1.181	SPGX0602	SCGX060204	0,11 0.004	0,42 0.017
SD522-20-40-25R7	03080771	20,0 0.787	40,0 1.575	126,0 4.961	45,0 1.772	70,0 2.756	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0602	SCGX060204	0,07 0.003	0,46 0.018
SD522-21-42-25R7	03080775	21,0 0.827	42,0 1.654	128,0 5.039	47,0 1.850	72,0 2.835	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0602	SCGX060204	0,01 0	0,5 0.020

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	LFS	LS	DMM	DF	Uç		Radyal ayar	
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	Merkez uç	Çevre uç	mm - İnç -	mm + İnç +
SD522-22-44-25R7	03080777	22,0 0.866	44,0 1.732	130,0 5.118	49,0 1.929	74,0 2.913	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0703	SCGX060204	0,44 0.017	0,46 0.018
SD522-23-46-25R7	03080781	23,0 0.906	46,0 1.811	132,0 5.197	51,0 2.008	76,0 2.992	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0703	SCGX070308	0,33 0.013	0,5 0.020
SD522-23.5-47-25R7	03192517	23,5 0.925	47,0 1.850	133,0 5.236	52,0 2.047	77,0 3.031	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0703	SCGX070308	0,23 0.009	0,5 0.020
SD522-24-48-25R7	03080785	24,0 0.945	48,0 1.890	134,0 5.276	53,0 2.087	78,0 3.071	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0703	SCGX070308	0,11 0.004	0,5 0.020
SD522-25-50-32R7	03080788	25,0 0.984	50,0 1.969	140,0 5.512	55,0 2.165	80,0 3.150	60,0 2.362	32,0 1.260	42,0 1.654	SPGX0703	SCGX070308	0,11 0.004	0,5 0.020
SD522-26-52-32R7	03080790	26,0 1.024	52,0 2.047	142,0 5.591	57,0 2.244	82,0 3.228	60,0 2.362	32,0 1.260	42,0 1.654	SPGX0903	SCGX070308	0,5 0.020	0,11 0.004
SD522-27-54-32R7	03080792	27,0 1.063	54,0 2.126	144,0 5.669	59,0 2.323	84,0 3.307	60,0 2.362	32,0 1.260	42,0 1.654	SPGX0903	SCGX070308	0,5 0.020	0,26 0.010
SD522-28-56-32R7	03080795	28,0 1.102	56,0 2.205	146,0 5.748	61,0 2.402	86,0 3.386	60,0 2.362	32,0 1.260	42,0 1.654	SPGX0903	SCGX070308	0,28 0.011	0,5 0.020
SD522-29-58-32R7	03080796	29,0 1.142	58,0 2.283	148,0 5.827	63,0 2.480	88,0 3.465	60,0 2.362	32,0 1.260	42,0 1.654	SPGX0903	SCGX09T308	0,18 0.007	0,5 0.020
SD522-30-60-32R7	03080798	30,0 1.181	60,0 2.362	150,0 5.906	65,0 2.559	90,0 3.543	60,0 2.362	32,0 1.260	42,0 1.654	SPGX0903	SCGX09T308	0,12 0.005	0,5 0.020
SD522-31-62-32R7	03080801	31,0 1.220	62,0 2.441	152,0 5.984	67,0 2.638	92,0 3.622	60,0 2.362	32,0 1.260	42,0 1.654	SPGX0903	SCGX09T308	0,12 0.005	0,5 0.020
SD522-32-64-32R7	03080802	32,0 1.260	64,0 2.520	154,0 6.063	69,0 2.717	94,0 3.701	60,0 2.362	32,0 1.260	42,0 1.654	SPGX11T3	SCGX09T308	0,5 0.020	0,31 0.012
SD522-32-64-40R7	03080803	32,0 1.260	64,0 2.520	162,0 6.378	69,0 2.717	94,0 3.701	68,0 2.677	40,0 1.575	50,0 1.969	SPGX11T3	SCGX09T308	0,5 0.020	0,31 0.012
SD522-33-66-32R7	03080805	33,0 1.299	66,0 2.598	156,0 6.142	71,0 2.795	96,0 3.780	60,0 2.362	32,0 1.260	42,0 1.654	SPGX11T3	SCGX09T308	0,5 0.020	0,46 0.018
SD522-33-66-40R7	03080806	33,0 1.299	66,0 2.598	164,0 6.457	71,0 2.795	96,0 3.780	68,0 2.677	40,0 1.575	50,0 1.969	SPGX11T3	SCGX09T308	0,5 0.020	0,46 0.018
SD522-34-68-32R7	03080808	34,0 1.339	68,0 2.677	158,0 6.220	73,0 2.874	98,0 3.858	60,0 2.362	32,0 1.260	42,0 1.654	SPGX11T3	SCGX09T308	0,22 0.009	0,5 0.020
SD522-34-68-40R7	03080809	34,0 1.339	68,0 2.677	166,0 6.535	73,0 2.874	98,0 3.858	68,0 2.677	40,0 1.575	50,0 1.969	SPGX11T3	SCGX09T308	0,22 0.009	0,5 0.020
SD522-35-70-32R7	03080810	35,0 1.378	70,0 2.756	160,0 6.299	75,0 2.953	100,0 3.937	60,0 2.362	32,0 1.260	42,0 1.654	SPGX11T3	SCGX11T308	0,22 0.009	0,5 0.020
SD522-35-70-40R7	03080811	35,0 1.378	70,0 2.756	168,0 6.614	75,0 2.953	100,0 3.937	68,0 2.677	40,0 1.575	50,0 1.969	SPGX11T3	SCGX11T308	0,22 0.009	0,5 0.020
SD522-36-72-32R7	03080813	36,0 1.417	72,0 2.835	162,0 6.378	77,0 3.031	102,0 4.016	60,0 2.362	32,0 1.260	42,0 1.654	SPGX11T3	SCGX11T308	0,09 0.004	0,5 0.020
SD522-36-72-40R7	03080814	36,0 1.417	72,0 2.835	170,0 6.693	77,0 3.031	102,0 4.016	68,0 2.677	40,0 1.575	50,0 1.969	SPGX11T3	SCGX11T308	0,09 0.004	0,5 0.020
SD522-37-74-32R7	03080816	37,0 1.457	74,0 2.913	164,0 6.457	79,0 3.110	104,0 4.094	60,0 2.362	32,0 1.260	42,0 1.654	SPGX11T3	SCGX11T308	0,09 0.004	0,5 0.020
SD522-37-74-40R7	03080817	37,0 1.457	74,0 2.913	172,0 6.772	79,0 3.110	104,0 4.094	68,0 2.677	40,0 1.575	50,0 1.969	SPGX11T3	SCGX11T308	0,09 0.004	0,5 0.020
SD522-38-76-32R7	03080818	38,0 1.496	76,0 2.992	166,0 6.535	81,0 3.189	106,0 4.173	60,0 2.362	32,0 1.260	42,0 1.654	SPGX12T3	SCGX11T308	0,5 0.020	0,5 0.020
SD522-38-76-40R7	03080819	38,0 1.496	76,0 2.992	174,0 6.850	81,0 3.189	106,0 4.173	68,0 2.677	40,0 1.575	50,0 1.969	SPGX12T3	SCGX11T308	0,5 0.020	0,5 0.020
SD522-39-78-32R7	03080821	39,0 1.535	78,0 3.071	168,0 6.614	83,0 3.268	108,0 4.252	60,0 2.362	32,0 1.260	42,0 1.654	SPGX12T3	SCGX11T308	0,39 0.015	0,5 0.020
SD522-39-78-40R7	03080822	39,0 1.535	78,0 3.071	176,0 6.929	83,0 3.268	108,0 4.252	68,0 2.677	40,0 1.575	50,0 1.969	SPGX12T3	SCGX11T308	0,39 0.015	0,5 0.020
SD522-40-80-32R7	03080823	40,0 1.575	80,0 3.150	170,0 6.693	85,0 3.346	110,0 4.331	60,0 2.362	32,0 1.260	50,0 1.969	SPGX12T3	SCGX11T308	0,19 0.007	0,5 0.020
SD522-40-80-40R7	03080824	40,0 1.575	80,0 3.150	178,0 7.008	85,0 3.346	110,0 4.331	68,0 2.677	40,0 1.575	50,0 1.969	SPGX12T3	SCGX11T308	0,19 0.007	0,5 0.020
SD522-41-82-40R7	03080826	41,0 1.614	82,0 3.228	180,0 7.087	87,0 3.425	112,0 4.409	68,0 2.677	40,0 1.575	50,0 1.969	SPGX12T3	SCGX120408	0,19 0.007	0,5 0.020
SD522-42-84-40R7	03080828	42,0 1.654	84,0 3.307	182,0 7.165	89,0 3.504	114,0 4.488	68,0 2.677	40,0 1.575	50,0 1.969	SPGX12T3	SCGX120408	0,19 0.007	0,5 0.020

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	LFS	LS	DMM	DF	Uç		Radyal ayar	
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	Merkez uç	Çevre uç	mm - İnç -
SD522-43-86-40R7	03080830	43,0 1.693	86,0 3.386	184,0 7.244	91,0 3.583	116,0 4.567	68,0 2.677	40,0 1.575	50,0 1.969	SPGX12T3	SCGX120408	0,05 0.002	0,5 0.020
SD522-44-88-40R7	03080832	44,0 1.732	88,0 3.465	186,0 7.323	93,0 3.661	118,0 4.646	68,0 2.677	40,0 1.575	50,0 1.969	SPGX1504	SCGX120408	0,5 0.020	0,41 0.016
SD522-45-90-40R7	03080834	45,0 1.772	90,0 3.543	188,0 7.402	95,0 3.740	120,0 4.724	68,0 2.677	40,0 1.575	50,0 1.969	SPGX1504	SCGX150512	0,5 0.020	0,41 0.016
SD522-46-92-40R7	03080835	46,0 1.811	92,0 3.622	190,0 7.480	97,0 3.819	122,0 4.803	68,0 2.677	40,0 1.575	50,0 1.969	SPGX1504	SCGX150512	0,5 0.020	0,5 0.020
SD522-47-94-40R7	03080836	47,0 1.850	94,0 3.701	192,0 7.559	99,0 3.898	124,0 4.882	68,0 2.677	40,0 1.575	50,0 1.969	SPGX1504	SCGX150512	0,5 0.020	0,5 0.020
SD522-48-96-40R7	03080837	48,0 1.890	96,0 3.780	194,0 7.638	101,0 3.976	126,0 4.961	68,0 2.677	40,0 1.575	59,35 2.337	SPGX1504	SCGX150512	0,45 0.018	0,5 0.020
SD522-49-98-40R7	03080838	49,0 1.929	98,0 3.858	196,0 7.717	103,0 4.055	128,0 5.039	68,0 2.677	40,0 1.575	59,35 2.337	SPGX1504	SCGX150512	0,2 0.008	0,5 0.020
SD522-50-100-40R7	03080839	50,0 1.969	100,0 3.937	198,0 7.795	105,0 4.134	130,0 5.118	68,0 2.677	40,0 1.575	59,35 2.337	SPGX1504	SCGX150512	0,2 0.008	0,5 0.020
SD522-51-102-40R7	03080840	51,0 2.008	102,0 4.016	200,0 7.874	107,0 4.213	132,0 5.197	68,0 2.677	40,0 1.575	59,35 2.337	SPGX1504	SCGX150512	0,2 0.008	0,5 0.020
SD522-52-104-40R7	03080841	52,0 2.047	104,0 4.094	202,0 7.953	109,0 4.291	134,0 5.276	68,0 2.677	40,0 1.575	59,35 2.337	SPGX1904	SCGX150512	0,5 0.020	0,42 0.017
SD522-53-106-40R7	03080842	53,0 2.087	106,0 4.173	204,0 8.031	111,0 4.370	136,0 5.354	68,0 2.677	40,0 1.575	59,35 2.337	SPGX1904	SCGX150512	0,5 0.020	0,42 0.017
SD522-54-108-40R7	03080843	54,0 2.126	108,0 4.252	206,0 8.110	113,0 4.449	138,0 5.433	68,0 2.677	40,0 1.575	59,35 2.337	SPGX1904	SCGX150512	0,5 0.020	0,5 0.020
SD522-55-110-40R7	03080844	55,0 2.165	110,0 4.331	208,0 8.189	115,0 4.528	140,0 5.512	68,0 2.677	40,0 1.575	59,35 2.337	SPGX1904	SCGX150512	0,5 0.020	0,5 0.020
SD522-56-112-40R7	03080845	56,0 2.205	112,0 4.409	210,0 8.268	117,0 4.606	142,0 5.591	68,0 2.677	40,0 1.575	59,35 2.337	SPGX1904	SCGX150512	0,5 0.020	0,5 0.020
SD522-57-114-40R7	03080846	57,0 2.244	114,0 4.488	212,0 8.346	119,0 4.685	144,0 5.669	68,0 2.677	40,0 1.575	59,35 2.337	SPGX1904	SCGX150512	0,39 0.015	0,5 0.020
SD522-58-116-40R7	03080847	58,0 2.283	116,0 4.567	214,0 8.425	121,0 4.764	146,0 5.748	68,0 2.677	40,0 1.575	63,0 2.480	SPGX1904	SCGX150512	0,09 0.004	0,5 0.020
SD522-59-118-40R7	03080848	59,0 2.323	118,0 4.646	216,0 8.504	123,0 4.843	148,0 5.827	68,0 2.677	40,0 1.575	63,0 2.480	SPGX1904	SCGX150512	0,09 0.004	0,5 0.020

Yedek parçalar

Şu matkap çapı
için (mm)

Uç vidası



Uç anahtarı



	Merkez uç	Çevre uç	
15,00-17,45	C02245-T07P	C02245-T07P	T07P-2
17,46-19,49	C02205-T07P	C02245-T07P	T07P-2
19,50-21,24	C02205-T07P	C02205-T07P	T07P-2
21,25-22,49	C02506-T08P	C02506-T08P	T08P-2
22,50-25,49	C02507-T08P	C03007-T08P	T08P-2
25,50-28,49	C03007-T09P	C03007-T09P	T09P-2
28,50-31,49	C03007-T09P	C03009-T09P	T09P-2
31,50-40,49	C03508-T15P	C03508-T15P	T15P-2D
40,50-43,24	C03508-T15P	C05012-T15P	T15P-2D
43,25-59,00	C04011-T15P	C05012-T15P	T15P-2D

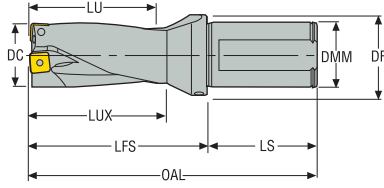
Aksesuarlar

Şu matkap çapı için (mm)	Tork anahtarı*	Yedek çubuk	Tork değeri
15,00-17,45	T00-07P09	T00-07P	0,9 Nm
17,46-19,49	T00-07P09	T00-07P	0,9 Nm
19,50-21,24	T00-07P09	T00-07P	0,9 Nm
21,25-22,49	T00-08P12	T00-08P	1,2 Nm
22,50-25,49	T00-08P12	T00-08P	1,2 Nm
25,50-28,49	T00-09P20	T00-09P	2,0 Nm
28,50-31,49	T00-09P20	T00-09P	2,0 Nm
31,50-40,49	T00-15P30	T00-15P	3,0 Nm
40,50-43,24	T00-15P30	T00-15P	3,0 Nm
43,25-59,00	T00-15P30	T00-15P	3,0 Nm

*Çubuk dahil.

SD522

Delme derinliği ~ 2 x D – İnc



- ISO 9766 sap, R7
- İçten soğutma sıvısı
- Uç bilgileri için, bakınız sayfa 297-303
- Kesme verileri için, bakınız sayfa 304, 305
- Ara çaplar için lütfen MyDesign programına bakınız

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	LFS	LS	DMM	DF	Uç		Radyal ayar	
		İnc	İnc	İnc	İnc	İnc	İnc	İnc	İnc	Merkez uç	Çevre uç	İnc -	İnc +
SD522-0594-119-1000R7	03080704	0.594	1.190	4.621	1.387	2.371	2.250	1.000	1.378	SPGX0502	SCGX050204	0.008	0.013
SD522-0625-125-1000R7	03080705	0.625	1.250	4.681	1.447	2.431	2.250	1.000	1.378	SPGX0502	SCGX050204	0.005	0.015
SD522-0656-131-1000R7	03080707	0.656	1.310	4.741	1.507	2.491	2.250	1.000	1.378	SPGX0502	SCGX050204	0.002	0.019
SD522-0687-137-1000R7	03080709	0.687	1.370	4.801	1.567	2.551	2.250	1.000	1.378	SPGX0502	SCGX050204	0	0.020
SD522-0709-142-1000R7	03080710	0.709	1.420	4.851	1.617	2.601	2.250	1.000	1.378	SPGX0602	SCGX050204	0.013	0.008
SD522-0750-150-1000R7	03080712	0.750	1.500	4.931	1.697	2.681	2.250	1.000	1.378	SPGX0602	SCGX050204	0.004	0.017
SD522-0766-153-1000R7	03080713	0.766	1.530	4.961	1.727	2.711	2.250	1.000	1.378	SPGX0602	SCGX050204	0.001	0.020
SD522-0787-157-1000R7	03080714	0.787	1.570	5.001	1.767	2.751	2.250	1.000	1.378	SPGX0602	SCGX060204	0.003	0.018
SD522-0812-162-1000R7	03080715	0.812	1.620	5.051	1.817	2.801	2.250	1.000	1.378	SPGX0602	SCGX060204	0.001	0.020
SD522-0827-165-1000R7	03080717	0.827	1.650	5.081	1.847	2.831	2.250	1.000	1.378	SPGX0602	SCGX060204	0	0.020
SD522-0875-175-1000R7	03080718	0.875	1.750	5.181	1.947	2.931	2.250	1.000	1.378	SPGX0703	SCGX060204	0.015	0.020
SD522-0906-181-1000R7	03080720	0.906	1.810	5.241	2.007	2.991	2.250	1.000	1.378	SPGX0703	SCGX070308	0.013	0.020
SD522-0922-184-1000R7	03080721	0.922	1.840	5.271	2.037	3.021	2.250	1.000	1.378	SPGX0703	SCGX070308	0.010	0.020
SD522-0937-187-1000R7	03080722	0.937	1.870	5.301	2.067	3.051	2.250	1.000	1.378	SPGX0703	SCGX070308	0.004	0.020
SD522-0984-197-1250R7	03080724	0.984	1.970	5.526	2.167	3.151	2.375	1.250	1.654	SPGX0703	SCGX070308	0.004	0.020
SD522-1000-200-1250R7	03080725	1.000	2.000	5.556	2.197	3.181	2.375	1.250	1.654	SPGX0703	SCGX070308	0.004	0.020
SD522-1032-206-1250R7	03080727	1.032	2.060	5.616	2.257	3.241	2.375	1.250	1.654	SPGX0903	SCGX070308	0.020	0.004
SD522-1062-212-1250R7	03080728	1.062	2.120	5.676	2.317	3.301	2.375	1.250	1.654	SPGX0903	SCGX070308	0.020	0.010
SD522-1125-225-1250R7	03080730	1.125	2.250	5.806	2.447	3.431	2.375	1.250	1.654	SPGX0903	SCGX09T308	0.008	0.020
SD522-1187-237-1250R7	03080732	1.187	2.370	5.926	2.567	3.551	2.375	1.250	1.654	SPGX0903	SCGX09T308	0.005	0.020
SD522-1250-250-1500R7	03080735	1.250	2.500	6.306	2.697	3.681	2.625	1.500	1.969	SPGX11T3	SCGX09T308	0.020	0.011
SD522-1312-262-1500R7	03080736	1.312	2.620	6.426	2.817	3.801	2.625	1.500	1.969	SPGX11T3	SCGX09T308	0.020	0.020
SD522-1375-275-1500R7	03080737	1.375	2.750	6.556	2.947	3.931	2.625	1.500	1.969	SPGX11T3	SCGX11T308	0.009	0.020
SD522-1437-287-1500R7	03080739	1.437	2.870	6.676	3.067	4.051	2.625	1.500	1.969	SPGX11T3	SCGX11T308	0.004	0.020
SD522-1500-300-1500R7	03080743	1.500	3.000	6.806	3.197	4.181	2.625	1.500	1.969	SPGX12T3	SCGX11T308	0.020	0.020
SD522-1625-325-1500R7	03080748	1.625	3.250	7.056	3.447	4.431	2.625	1.500	1.969	SPGX12T3	SCGX120408	0.007	0.020
SD522-1750-350-1500R7	03080756	1.750	3.500	7.306	3.697	4.681	2.625	1.500	1.969	SPGX1504	SCGX120408	0.020	0.016
SD522-1875-375-1500R7	03080763	1.875	3.750	7.556	3.947	4.931	2.625	1.500	1.969	SPGX1504	SCGX150512	0.020	0.020
SD522-2000-400-1500R7	03080769	2.000	4.000	7.806	4.197	5.181	2.625	1.500	2.337	SPGX1504	SCGX150512	0.008	0.020
SD522-2125-425-1500R7	03080773	2.125	4.250	8.056	4.447	5.431	2.625	1.500	2.337	SPGX1904	SCGX150512	0.020	0.020
SD522-2250-450-1500R7	03080779	2.250	4.500	8.306	4.697	5.681	2.625	1.500	2.337	SPGX1904	SCGX150512	0.013	0.020
SD522-2375-475-1500R7	03080783	2.375	4.750	8.556	4.947	5.931	2.625	1.500	2.480	SPGX1904	SCGX150512	0.004	0.020

Yedek parçalar

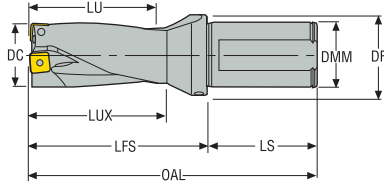
Şu matkap çapı için (inç)	Uç vidası		Uç anahtarı
	Merkez uç	Çevre uç	
0.594-0.687	C02245-T07P	C02245-T07P	T07P-2
0.709-0.766	C02205-T07P	C02245-T07P	T07P-2
0.787	C02205-T07P	C02205-T07P	T07P-2
0.812-0.827	C02205-T07P	C02205-T07P	T07P-2
0.875	C02506-T08P	C02506-T08P	T08P-2
0.906-1.000	C02507-T08P	C03007-T08P	T08P-2
1.032-1.062	C03007-T09P	C03007-T09P	T09P-2
1.125-1.187	C03007-T09P	C03009-T09P	T09P-2
1.250-1.500	C03508-T15P	C03508-T15P	T15P-2D
1.625	C03508-T15P	C05012-T15P	T15P-2D
1.750-2.375	C04011-T15P	C05012-T15P	T15P-2D

Aksesuarlar

Şu matkap çapı için (inç)	Tork anahtarı*	Yedek çubuk	Tork değeri
0.594-0.687	T00-07P09	T00-07P	8 in/lbs
0.709-0.766	T00-07P09	T00-07P	8 in/lbs
0.787	T00-07P09	T00-07P	8 in/lbs
0.812-0.827	T00-07P09	T00-07P	8 in/lbs
0.875	T00-08P12	T00-08P	10.6 in/lbs
0.906-1.000	T00-08P12	T00-08P	10.6 in/lbs
1.032-1.062	T00-09P20	T00-09P	17.7 in/lbs
1.125-1.187	T00-09P20	T00-09P	17.7 in/lbs
1.250-1.500	T00-15P30	T00-15P	26.6 in/lbs
1.625	T00-15P30	T00-15P	26.6 in/lbs
1.750-2.375	T00-15P30	T00-15P	26.6 in/lbs

SD522

Delme derinliği ~ 2 x D – İnc



- ISO 9766 sap, R7-C
- İçten soğutma sıvısı
- Uç bilgileri için, bakınız sayfa 297-303
- Kesme verileri için, bakınız sayfa 304-305
- Ara çaplar için lütfen MyDesign programına bakınız
- For stationary applications

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	LFS	LS	DMM	DF	Uç			
		İnc	İnc	İnc	İnc	İnc	İnc	İnc	İnc	Merkez uç	Çevre uç	İnc -	İnc +
SD522-0625-125-1000R7-C	03080706	0.625	1.250	5.378	1.447	2.628	2.750	1.000	1.378	SPGX0502	SCGX050204	0.005	0.015
SD522-0687-137-1000R7-C	03080708	0.687	1.370	5.498	1.567	2.748	2.750	1.000	1.378	SPGX0502	SCGX050204	0	0.020
SD522-0750-150-1000R7-C	03080711	0.750	1.500	5.628	1.697	2.878	2.750	1.000	1.378	SPGX0602	SCGX050204	0.004	0.017
SD522-0812-162-1000R7-C	03080716	0.812	1.620	5.748	1.817	2.998	2.750	1.000	1.378	SPGX0602	SCGX060204	0.001	0.020
SD522-0875-175-1000R7-C	03080719	0.875	1.750	5.878	1.947	3.128	2.750	1.000	1.378	SPGX0703	SCGX060204	0.015	0.020
SD522-0937-187-1000R7-C	03080723	0.937	1.870	5.998	2.067	3.248	2.750	1.000	1.378	SPGX0703	SCGX070308	0.004	0.020
SD522-1000-200-1250R7-C	03080726	1.000	2.000	6.128	2.197	3.378	2.750	1.250	1.654	SPGX0703	SCGX070308	0.004	0.020
SD522-1062-212-1250R7-C	03080729	1.062	2.120	6.248	2.317	3.498	2.750	1.250	1.654	SPGX0903	SCGX070308	0.020	0.010
SD522-1125-225-1250R7-C	03080731	1.125	2.250	6.378	2.447	3.628	2.750	1.250	1.654	SPGX0903	SCGX09T308	0.008	0.020
SD522-1187-237-1250R7-C	03080733	1.187	2.370	6.498	2.567	3.748	2.750	1.250	1.654	SPGX0903	SCGX09T308	0.005	0.020
SD522-1250-250-1500R7-C	03080734	1.250	2.500	6.628	2.697	3.878	2.750	1.500	1.969	SPGX11T3	SCGX09T308	0.020	0.011
SD522-1375-275-1500R7-C	03080738	1.375	2.750	6.878	2.947	4.128	2.750	1.500	1.969	SPGX11T3	SCGX11T308	0.009	0.020
SD522-1500-300-1500R7-C	03080742	1.500	3.000	7.128	3.197	4.378	2.750	1.500	1.969	SPGX12T3	SCGX11T308	0.020	0.020
SD522-1750-350-1500R7-C	03080757	1.750	3.500	7.628	3.697	4.878	2.750	1.500	1.969	SPGX1504	SCGX120408	0.020	0.016
SD522-2000-400-1500R7-C	03080770	2.000	4.000	8.128	4.197	5.378	2.750	1.500	2.337	SPGX1504	SCGX150512	0.008	0.020
SD522-2125-425-1500R7-C	03080774	2.125	4.250	8.378	4.447	5.628	2.750	1.500	2.337	SPGX1904	SCGX150512	0.020	0.020
SD522-2250-450-1500R7-C	03080780	2.250	4.500	8.628	4.697	5.878	2.750	1.500	2.337	SPGX1904	SCGX150512	0.013	0.020
SD522-2375-475-1500R7-C	03080784	2.375	4.750	8.878	4.947	6.128	2.750	1.500	2.480	SPGX1904	SCGX150512	0.004	0.020

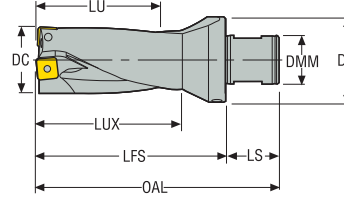
Yedek parçalar

Aksesuarlar

Şu matkap çapı için (inc)	Hortum adaptörü	Merkez uç vidası	Çevre Uç vidası	Anahtar	Tapa	Tork anahtarı
0.625						
0.625	1310	C02245-T07P	C02245-T07P	T07P-2	R1/4	T00-07P09
0.687	1310	C02245-T07P	C02245-T07P	T07P-2	R1/4	T00-07P09
0.750	1310	C02205-T07P	C02245-T07P	T07P-2	R1/4	T00-07P09
0.812	1310	C02205-T07P	C02205-T07P	T07P-2	R1/4	T00-07P09
0.875	1310	C02506-T08P	C02506-T08P	T08P-2	R1/4	T00-08P12
0.937-1.000	1310	C02507-T08P	C03007-T08P	T08P-2	R1/4	T00-08P12
1.062	1310	C03007-T09P	C03007-T09P	T09P-2	R1/4	T00-09P20
1.125-1.187	1310	C03007-T09P	C03009-T09P	T09P-2	R1/4	T00-09P20
1.250-1.500	1310	C03508-T15P	C03508-T15P	T15P-2D	R1/4	T00-15P30
1.750-2.375	1310	C04011-T15P	C05012-T15P	T15P-2D	R1/4	T00-15P35

SD522

Delme derinliği ~ 2 x D – Metrik



- ABS 50 ile uyumlu sap, R2
- İçten soğutma sıvısı
- Uç bilgileri için, bakınız sayfa 297-303
- Kesme verileri için, bakınız sayfa 304, 305
- Ara çaplar için lütfen MyDesign programına bakınız

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	LFS	LS	DMM	DF	Uç		Radyal ayar	
										Merkez uç	Çevre uç	mm - İnc -	mm + İnc +
SD522-15-30-50R2	03081056	15,0 0.591	30,0 1.181	91,0 3.583	35,0 1.378	60,0 2.362	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0502	SCGX050204	0,22 0.009	0,31 0.012
SD522-15.5-31-50R2	03081057	15,5 0.610	31,0 1.220	92,0 3.622	36,0 1.417	61,0 2.402	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0502	SCGX050204	0,17 0.007	0,36 0.014
SD522-16-32-50R2	03080751	16,0 0.630	32,0 1.260	93,0 3.661	37,0 1.457	62,0 2.441	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0502	SCGX050204	0,12 0.005	0,41 0.016
SD522-16.5-33-50R2	03081058	16,5 0.650	33,0 1.299	94,0 3.701	38,0 1.496	63,0 2.480	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0502	SCGX050204	0,07 0.003	0,46 0.018
SD522-17-34-50R2	03081059	17,0 0.669	34,0 1.339	95,0 3.740	39,0 1.535	64,0 2.520	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0502	SCGX050204	0,02 0.001	0,5 0.020
SD522-17.5-35-50R2	03081060	17,5 0.689	35,0 1.378	96,0 3.780	40,0 1.575	65,0 2.559	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0602	SCGX050204	0,43 0.017	0,1 0.004
SD522-18-36-50R2	03080762	18,0 0.709	36,0 1.417	97,0 3.819	41,0 1.614	66,0 2.598	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0602	SCGX050204	0,32 0.013	0,21 0.008
SD522-18.5-37-50R2	03081061	18,5 0.728	37,0 1.457	98,0 3.858	42,0 1.654	67,0 2.638	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0602	SCGX050204	0,22 0.009	0,31 0.012
SD522-19-38-50R2	03080767	19,0 0.748	38,0 1.496	99,0 3.898	43,0 1.693	68,0 2.677	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0602	SCGX050204	0,11 0.004	0,42 0.017
SD522-20-40-50R2	03080772	20,0 0.787	40,0 1.575	101,0 3.976	45,0 1.772	70,0 2.756	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0602	SCGX060204	0,07 0.003	0,46 0.018
SD522-20.62-42-50R2	03080768	20,62 0.812	42,0 1.654	103,0 4.055	47,0 1.850	72,0 2.835	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0602	SCGX060204	0,03 0.001	0,5 0.020
SD522-21-42-50R2	03081062	21,0 0.827	42,0 1.654	103,0 4.055	47,0 1.850	72,0 2.835	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0602	SCGX060204	0,01 0	0,5 0.020
SD522-22-44-50R2	03080778	22,0 0.866	44,0 1.732	105,0 4.134	49,0 1.929	74,0 2.913	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0703	SCGX060204	0,44 0.017	0,46 0.018
SD522-22.23-45-50R2	03080776	22,23 0.875	45,0 1.772	106,0 4.173	50,0 1.969	75,0 2.953	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0703	SCGX060204	0,39 0.015	0,5 0.020
SD522-23-46-50R2	03080782	23,0 0.906	46,0 1.811	107,0 4.213	51,0 2.008	76,0 2.992	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0703	SCGX070308	0,33 0.013	0,5 0.020
SD522-24-48-50R2	03080786	24,0 0.945	48,0 1.890	109,0 4.291	53,0 2.087	78,0 3.071	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0703	SCGX070308	0,11 0.004	0,5 0.020
SD522-25-50-50R2	03080789	25,0 0.984	50,0 1.969	111,0 4.370	55,0 2.165	80,0 3.150	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0703	SCGX070308	0,11 0.004	0,5 0.020
SD522-25.40-51-50R2	03080787	25,4 1.000	51,0 2.008	112,0 4.409	56,0 2.205	81,0 3.189	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0703	SCGX070308	0,11 0.004	0,5 0.020
SD522-26-52-50R2	03080791	26,0 1.024	52,0 2.047	113,0 4.449	57,0 2.244	82,0 3.228	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0903	SCGX070308	0,5 0.020	0,11 0.004
SD522-27-54-50R2	03080793	27,0 1.063	54,0 2.126	115,0 4.528	59,0 2.323	84,0 3.307	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0903	SCGX070308	0,5 0.020	0,26 0.010
SD522-28-56-50R2	03081087	28,0 1.102	56,0 2.205	117,0 4.606	61,0 2.402	86,0 3.386	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0903	SCGX070308	0,28 0.011	0,5 0.020
SD522-28.59-58-50R2	03080794	28,59 1.126	58,0 2.283	119,0 4.685	63,0 2.480	88,0 3.465	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0903	SCGX09T308	0,21 0.008	0,5 0.020

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	LFS	LS	DMM	DF	Uç		Radyal ayar	
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	Merkez uç	Çevre uç	mm - İnç -	mm + İnç +
SD522-29-58-50R2	03080797	29,0 1.142	58,0 2.283	119,0 4.685	63,0 2.480	88,0 3.465	31,0	28,0 1.102	50,0 1.969	SPGX0903	SCGX09T308	0,18 0.007	0,5 0.020
SD522-30-60-50R2	03080799	30,0 1.181	60,0 2.362	121,0 4.764	65,0 2.559	90,0 3.543	31,0	28,0 1.102	50,0 1.969	SPGX0903	SCGX09T308	0,12 0.005	0,5 0.020
SD522-31-62-50R2	03081063	31,0 1.220	62,0 2.441	123,0 4.843	67,0 2.638	92,0 3.622	31,0	28,0 1.102	50,0 1.969	SPGX0903	SCGX09T308	0,12 0.005	0,5 0.020
SD522-31.75-64-50R2	03080800	31,75 1.250	64,0 2.520	125,0 4.921	69,0 2.717	94,0 3.701	31,0	28,0 1.102	50,0 1.969	SPGX11T3	SCGX09T308	0,5 0.020	0,28 0.011
SD522-32-64-50R2	03080804	32,0 1.260	64,0 2.520	125,0 4.921	69,0 2.717	94,0 3.701	31,0	28,0 1.102	50,0 1.969	SPGX11T3	SCGX09T308	0,5 0.020	0,31 0.012
SD522-33-66-50R2	03080807	33,0 1.299	66,0 2.598	127,0 5.000	71,0 2.795	96,0 3.780	31,0	28,0 1.102	50,0 1.969	SPGX11T3	SCGX09T308	0,5 0.020	0,46 0.018
SD522-34-68-50R2	03081064	34,0 1.339	68,0 2.677	129,0 5.079	73,0 2.874	98,0 3.858	31,0	28,0 1.102	50,0 1.969	SPGX11T3	SCGX09T308	0,22 0.009	0,5 0.020
SD522-35-70-50R2	03080812	35,0 1.378	70,0 2.756	131,0 5.157	75,0 2.953	100,0 3.937	31,0	28,0 1.102	50,0 1.969	SPGX11T3	SCGX11T308	0,22 0.009	0,5 0.020
SD522-36-72-50R2	03080815	36,0 1.417	72,0 2.835	133,0 5.236	77,0 3.031	102,0 4.016	31,0	28,0 1.102	50,0 1.969	SPGX11T3	SCGX11T308	0,09 0.004	0,5 0.020
SD522-37-74-50R2	03081065	37,0 1.457	74,0 2.913	135,0 5.315	79,0 3.110	104,0 4.094	31,0	28,0 1.102	50,0 1.969	SPGX11T3	SCGX11T308	0,09 0.004	0,5 0.020
SD522-38-76-50R2	03080820	38,0 1.496	76,0 2.992	137,0 5.394	81,0 3.189	106,0 4.173	31,0	28,0 1.102	50,0 1.969	SPGX12T3	SCGX11T308	0,5 0.020	0,5 0.020
SD522-39-78-50R2	03081066	39,0 1.535	78,0 3.071	139,0 5.472	83,0 3.268	108,0 4.252	31,0	28,0 1.102	50,0 1.969	SPGX12T3	SCGX11T308	0,39 0.015	0,5 0.020
SD522-40-80-50R2	03080825	40,0 1.575	80,0 3.150	141,0 5.551	85,0 3.346	110,0 4.331	31,0	28,0 1.102	50,0 1.969	SPGX12T3	SCGX11T308	0,19 0.007	0,5 0.020
SD522-41-82-50R2	03080827	41,0 1.614	82,0 3.228	143,0 5.630	87,0 3.425	112,0 4.409	31,0	28,0 1.102	50,0 1.969	SPGX12T3	SCGX120408	0,19 0.007	0,5 0.020
SD522-42-84-50R2	03080829	42,0 1.654	84,0 3.307	145,0 5.709	89,0 3.504	114,0 4.488	31,0	28,0 1.102	50,0 1.969	SPGX12T3	SCGX120408	0,19 0.007	0,5 0.020
SD522-43-86-50R2	03081067	43,0 1.693	86,0 3.386	147,0 5.787	91,0 3.583	116,0 4.567	31,0	28,0 1.102	50,0 1.969	SPGX12T3	SCGX120408	0,05 0.002	0,5 0.020
SD522-44.45-89-50R2	03080831	44,45 1.750	89,0 3.504	150,0 5.906	94,0 3.701	119,0 4.685	31,0	50,0 1.969	50,0 1.969	SPGX1504	SCGX120408	0,5 0.020	0,41 0.016

Yedek parçalar

Şu matkap çapı
için (mm)

Uç vidası



Uç anahtarı



	Merkez uç	Çevre uç	
15,00-17,45	C02245-T07P	C02245-T07P	T07P-2
17,46-19,49	C02205-T07P	C02245-T07P	T07P-2
19,50-21,24	C02205-T07P	C02205-T07P	T07P-2
21,25-22,49	C02506-T08P	C02506-T08P	T08P-2
22,50-25,49	C02507-T08P	C03007-T08P	T08P-2
25,50-28,49	C03007-T09P	C03007-T09P	T09P-2
28,50-31,49	C03007-T09P	C03009-T09P	T09P-2
31,50-40,49	C03508-T15P	C03508-T15P	T15P-2D
40,50-43,24	C03508-T15P	C05012-T15P	T15P-2D
43,25-59,00	C04011-T15P	C05012-T15P	T15P-2D

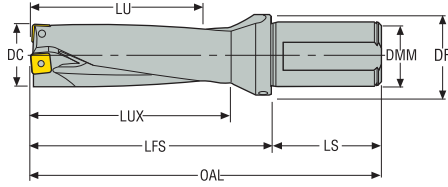
Aksesuarlar

Şu matkap çapı için (mm)	Tork anahtarı*	Yedek çubuk	Tork değeri
15,00-17,45	T00-07P09	T00-07P	0,9 Nm
17,46-19,49	T00-07P09	T00-07P	0,9 Nm
19,50-21,24	T00-07P09	T00-07P	0,9 Nm
21,25-22,49	T00-08P12	T00-08P	1,2 Nm
22,50-25,49	T00-08P12	T00-08P	1,2 Nm
25,50-28,49	T00-09P20	T00-09P	2,0 Nm
28,50-31,49	T00-09P20	T00-09P	2,0 Nm
31,50-40,49	T00-15P30	T00-15P	3,0 Nm
40,50-43,24	T00-15P30	T00-15P	3,0 Nm
43,25-59,00	T00-15P30	T00-15P	3,0 Nm

*Çubuk dahil.

SD523

Delme derinliği ~ 3 x D – Metrik



- ISO 9766 sap, -7
- İçten soğutma sıvısı
- Uç bilgileri için, bakınız sayfa 297-303
- Kesme verileri için, bakınız sayfa 306-307
- Ara çaplar için lütfen MyDesign programına bakınız

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	LFS	LS	DMM	DF	Uç		Radyal ayar	
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	Merkez uç	Çevre uç	mm - İnç -	mm + İnç +
SD523-15-45-20R7	03080548	15,0 0.591	45,0 1.772	125,0 4.921	50,0 1.969	75,0 2.953	50,0 1.969	20,0 0.787	30,0 1.181	SPGX0502	SCGX050204	0,22 0.009	0,31 0.012
SD523-15-45-25R7	03080549	15,0 0.591	45,0 1.772	131,0 5.157	50,0 1.969	75,0 2.953	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0502	SCGX050204	0,22 0.009	0,31 0.012
SD523-15.5-47-20R7	03080544	15,5 0.610	47,0 1.850	127,0 5.000	52,0 2.047	77,0 3.031	50,0 1.969	20,0 0.787	30,0 1.181	SPGX0502	SCGX050204	0,17 0.007	0,36 0.014
SD523-15.5-47-25R7	03080545	15,5 0.610	47,0 1.850	133,0 5.236	52,0 2.047	77,0 3.031	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0502	SCGX050204	0,17 0.007	0,36 0.014
SD523-16-48-20R7	03080557	16,0 0.630	48,0 1.890	128,0 5.039	53,0 2.087	78,0 3.071	50,0 1.969	20,0 0.787	30,0 1.181	SPGX0502	SCGX050204	0,12 0.005	0,41 0.016
SD523-16-48-25R7	03080558	16,0 0.630	48,0 1.890	134,0 5.276	53,0 2.087	78,0 3.071	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0502	SCGX050204	0,12 0.005	0,41 0.016
SD523-16.5-50-20R7	03080552	16,5 0.650	50,0 1.969	130,0 5.118	55,0 2.165	80,0 3.150	50,0 1.969	20,0 0.787	30,0 1.181	SPGX0502	SCGX050204	0,07 0.003	0,46 0.018
SD523-16.5-50-25R7	03080554	16,5 0.650	50,0 1.969	136,0 5.354	55,0 2.165	80,0 3.150	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0502	SCGX050204	0,07 0.003	0,46 0.018
SD523-17-51-20R7	03080568	17,0 0.669	51,0 2.008	131,0 5.157	56,0 2.205	81,0 3.189	50,0 1.969	20,0 0.787	30,0 1.181	SPGX0502	SCGX050204	0,02 0.001	0,5 0.020
SD523-17-51-25R7	03080569	17,0 0.669	51,0 2.008	137,0 5.394	56,0 2.205	81,0 3.189	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0502	SCGX050204	0,02 0.001	0,5 0.020
SD523-17.5-53-20R7	03080562	17,5 0.689	53,0 2.087	133,0 5.236	58,0 2.283	83,0 3.268	50,0 1.969	20,0 0.787	30,0 1.181	SPGX0602	SCGX050204	0,43 0.017	0,1 0.004
SD523-17.5-53-25R7	03080563	17,5 0.689	53,0 2.087	139,0 5.472	58,0 2.283	83,0 3.268	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0602	SCGX050204	0,43 0.017	0,1 0.004
SD523-18-54-20R7	03080574	18,0 0.709	54,0 2.126	134,0 5.276	59,0 2.323	84,0 3.307	50,0 1.969	20,0 0.787	30,0 1.181	SPGX0602	SCGX050204	0,32 0.013	0,21 0.008
SD523-18-54-25R7	03080575	18,0 0.709	54,0 2.126	140,0 5.512	59,0 2.323	84,0 3.307	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0602	SCGX050204	0,32 0.013	0,21 0.008
SD523-18.5-56-20R7	03080570	18,5 0.728	56,0 2.205	136,0 5.354	61,0 2.402	86,0 3.386	50,0 1.969	20,0 0.787	30,0 1.181	SPGX0602	SCGX050204	0,22 0.009	0,31 0.012
SD523-18.5-56-25R7	03080571	18,5 0.728	56,0 2.205	142,0 5.591	61,0 2.402	86,0 3.386	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0602	SCGX050204	0,22 0.009	0,31 0.012
SD523-19-57-20R7	03080583	19,0 0.748	57,0 2.244	137,0 5.394	62,0 2.441	87,0 3.425	50,0 1.969	20,0 0.787	30,0 1.181	SPGX0602	SCGX050204	0,11 0.004	0,42 0.017
SD523-19-57-25R7	03080584	19,0 0.748	57,0 2.244	143,0 5.630	62,0 2.441	87,0 3.425	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0602	SCGX050204	0,11 0.004	0,42 0.017
SD523-19.5-59-20R7	03080579	19,5 0.768	59,0 2.323	139,0 5.472	64,0 2.520	89,0 3.504	50,0 1.969	20,0 0.787	30,0 1.181	SPGX0602	SCGX060204	0,11 0.004	0,42 0.017
SD523-19.5-59-25R7	03080580	19,5 0.768	59,0 2.323	145,0 5.709	64,0 2.520	89,0 3.504	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0602	SCGX060204	0,11 0.004	0,42 0.017
SD523-20-60-25R7	03080590	20,0 0.787	60,0 2.362	146,0 5.748	65,0 2.559	90,0 3.543	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0602	SCGX060204	0,07 0.003	0,46 0.018

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	LFS	LS	DMM	DF	Uç		Radyal ayar	
										Merkez uç	Çevre uç	mm - İnc -	mm + İnc +
		mm İnc	mm İnc	mm İnc	mm İnc	mm İnc	mm İnc	mm İnc	mm İnc				
SD523-20.5-62-25R7	03080586	20,5 0.807	62,0 2.441	148,0 5.827	67,0 2.638	92,0 3.622	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0602	SCGX060204	0,04 0.002	0,49 0.019
SD523-21-63-25R7	03080599	21,0 0.827	63,0 2.480	149,0 5.866	68,0 2.677	93,0 3.661	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0602	SCGX060204	0,01 0	0,5 0.020
SD523-21.5-65-25R7	03080595	21,5 0.846	65,0 2.559	151,0 5.945	70,0 2.756	95,0 3.740	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0703	SCGX060204	0,5 0.020	0,36 0.014
SD523-22-66-25R7	03080605	22,0 0.866	66,0 2.598	152,0 5.984	71,0 2.795	96,0 3.780	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0703	SCGX060204	0,44 0.017	0,46 0.018
SD523-22.5-68-25R7	03080602	22,5 0.886	68,0 2.677	154,0 6.063	73,0 2.874	98,0 3.858	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0703	SCGX070308	0,42 0.017	0,47 0.019
SD523-23-69-25R7	03080608	23,0 0.906	69,0 2.717	155,0 6.102	74,0 2.913	99,0 3.898	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0703	SCGX070308	0,33 0.013	0,5 0.020
SD523-23.5-71-25R7	03080607	23,5 0.925	71,0 2.795	157,0 6.181	76,0 2.992	101,0 3.976	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0703	SCGX070308	0,23 0.009	0,5 0.020
SD523-24-72-25R7	03080612	24,0 0.945	72,0 2.835	158,0 6.220	77,0 3.031	102,0 4.016	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0703	SCGX070308	0,11 0.004	0,5 0.020
SD523-24.5-74-25R7	03080611	24,5 0.965	74,0 2.913	160,0 6.299	79,0 3.110	104,0 4.094	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0703	SCGX070308	0,11 0.004	0,5 0.020
SD523-25-75-32R7	03080616	25,0 0.984	75,0 2.953	165,0 6.496	80,0 3.150	105,0 4.134	60,0 2.362	32,0 1.260	42,0 1.654	SPGX0703	SCGX070308	0,11 0.004	0,5 0.020
SD523-25.5-77-32R7	03080615	25,5 1.004	77,0 3.031	167,0 6.575	82,0 3.228	107,0 4.213	60,0 2.362	32,0 1.260	42,0 1.654	SPGX0903	SCGX070308	0,5 0.020	0,11 0.004
SD523-26-78-32R7	03080619	26,0 1.024	78,0 3.071	168,0 6.614	83,0 3.268	108,0 4.252	60,0 2.362	32,0 1.260	42,0 1.654	SPGX0903	SCGX070308	0,5 0.020	0,11 0.004
SD523-26.5-80-32R7	03080618	26,5 1.043	80,0 3.150	170,0 6.693	85,0 3.346	110,0 4.331	60,0 2.362	32,0 1.260	42,0 1.654	SPGX0903	SCGX070308	0,5 0.020	0,19 0.007
SD523-27-81-32R7	03080622	27,0 1.063	81,0 3.189	171,0 6.732	86,0 3.386	111,0 4.370	60,0 2.362	32,0 1.260	42,0 1.654	SPGX0903	SCGX070308	0,5 0.020	0,26 0.010
SD523-27.5-83-32R7	03080621	27,5 1.083	83,0 3.268	173,0 6.811	88,0 3.465	113,0 4.449	60,0 2.362	32,0 1.260	42,0 1.654	SPGX0903	SCGX070308	0,46 0.018	0,44 0.017
SD523-28-84-32R7	03080626	28,0 1.102	84,0 3.307	174,0 6.850	89,0 3.504	114,0 4.488	60,0 2.362	32,0 1.260	42,0 1.654	SPGX0903	SCGX070308	0,28 0.011	0,5 0.020
SD523-28.5-86-32R7	03080624	28,5 1.122	86,0 3.386	176,0 6.929	91,0 3.583	116,0 4.567	60,0 2.362	32,0 1.260	42,0 1.654	SPGX0903	SCGX09T308	0,21 0.008	0,5 0.020
SD523-29-87-32R7	03080629	29,0 1.142	87,0 3.425	177,0 6.969	92,0 3.622	117,0 4.606	60,0 2.362	32,0 1.260	42,0 1.654	SPGX0903	SCGX09T308	0,18 0.007	0,5 0.020
SD523-29.5-89-32R7	03080628	29,5 1.161	89,0 3.504	179,0 7.047	94,0 3.701	119,0 4.685	60,0 2.362	32,0 1.260	42,0 1.654	SPGX0903	SCGX09T308	0,15 0.006	0,5 0.020
SD523-30-90-32R7	03080632	30,0 1.181	90,0 3.543	180,0 7.087	95,0 3.740	120,0 4.724	60,0 2.362	32,0 1.260	42,0 1.654	SPGX0903	SCGX09T308	0,12 0.005	0,5 0.020
SD523-30.5-92-32R7	03080631	30,5 1.201	92,0 3.622	182,0 7.165	97,0 3.819	122,0 4.803	60,0 2.362	32,0 1.260	42,0 1.654	SPGX0903	SCGX09T308	0,12 0.005	0,5 0.020
SD523-31-93-32R7	03080636	31,0 1.220	93,0 3.661	183,0 7.205	98,0 3.858	123,0 4.843	60,0 2.362	32,0 1.260	42,0 1.654	SPGX0903	SCGX09T308	0,12 0.005	0,5 0.020
SD523-31.5-95-32R7	03080634	31,5 1.240	95,0 3.740	185,0 7.283	100,0 3.937	125,0 4.921	60,0 2.362	32,0 1.260	42,0 1.654	SPGX11T3	SCGX09T308	0,5 0.020	0,24 0.009
SD523-32-96-32R7	03080638	32,0 1.260	96,0 3.780	186,0 7.323	101,0 3.976	126,0 4.961	60,0 2.362	32,0 1.260	42,0 1.654	SPGX11T3	SCGX09T308	0,5 0.020	0,31 0.012
SD523-32-96-40R7	03080639	32,0 1.260	96,0 3.780	194,0 7.638	101,0 3.976	126,0 4.961	68,0 2.677	40,0 1.575	50,0 1.969	SPGX11T3	SCGX09T308	0,5 0.020	0,31 0.012
SD523-33-99-32R7	03080641	33,0 1.299	99,0 3.898	189,0 7.441	104,0 4.094	129,0 5.079	60,0 2.362	32,0 1.260	42,0 1.654	SPGX11T3	SCGX09T308	0,5 0.020	0,46 0.018
SD523-33-99-40R7	03080642	33,0 1.299	99,0 3.898	197,0 7.756	104,0 4.094	129,0 5.079	68,0 2.677	40,0 1.575	50,0 1.969	SPGX11T3	SCGX09T308	0,5 0.020	0,46 0.018
SD523-34-102-32R7	03080644	34,0 1.339	102,0 4.016	192,0 7.559	107,0 4.213	132,0 5.197	60,0 2.362	32,0 1.260	42,0 1.654	SPGX11T3	SCGX09T308	0,22 0.009	0,5 0.020
SD523-34-102-40R7	03080645	34,0 1.339	102,0 4.016	200,0 7.874	107,0 4.213	132,0 5.197	68,0 2.677	40,0 1.575	50,0 1.969	SPGX11T3	SCGX09T308	0,22 0.009	0,5 0.020
SD523-35-105-32R7	03080648	35,0 1.378	105,0 4.134	195,0 7.677	110,0 4.331	135,0 5.315	60,0 2.362	32,0 1.260	42,0 1.654	SPGX11T3	SCGX11T308	0,22 0.009	0,5 0.020
SD523-35-105-40R7	03080649	35,0 1.378	105,0 4.134	203,0 7.992	110,0 4.331	135,0 5.315	68,0 2.677	40,0 1.575	50,0 1.969	SPGX11T3	SCGX11T308	0,22 0.009	0,5 0.020

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	LFS	LS	DMM	DF	Uç		Radyal ayar	
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	Merkez uç	Çevre uç	mm - İnç -
SD523-58-174-40R7	03080686	58,0 2.283	174,0 6.850	272,0 10.709	179,0 7.047	204,0 8.031	68,0 2.677	40,0 1.575	63,0 2.480	SPGX1904	SCGX150512	0,09 0.004	0,5 0.020
SD523-59-177-40R7	03080687	59,0 2.323	177,0 6.969	275,0 10.827	182,0 7.165	207,0 8.150	68,0 2.677	40,0 1.575	63,0 2.480	SPGX1904	SCGX150512	0,09 0.004	0,5 0.020

Yedek parçalar

Şu matkap çapı için (mm)	Uç vidası		Uç anahtarı
	Merkez uç	Çevre uç	
15,00-17,45	C02245-T07P	C02245-T07P	T07P-2
17,46-19,49	C02205-T07P	C02245-T07P	T07P-2
19,50-21,24	C02205-T07P	C02205-T07P	T07P-2
21,25-22,49	C02506-T08P	C02506-T08P	T08P-2
22,50-25,49	C02507-T08P	C03007-T08P	T08P-2
25,50-28,49	C03007-T09P	C03007-T09P	T09P-2
28,50-31,49	C03007-T09P	C03009-T09P	T09P-2
31,50-40,49	C03508-T15P	C03508-T15P	T15P-2D
40,50-43,24	C03508-T15P	C05012-T15P	T15P-2D
43,25-59,00	C04011-T15P	C05012-T15P	T15P-2D

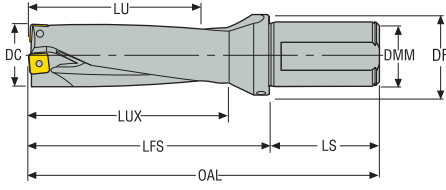
Aksesuarlar

Şu matkap çapı için (mm)	Tork anahtarı*	Yedek çubuk	Tork değeri
	15,00-17,45	T00-07P09	T00-07P
17,46-19,49	T00-07P09	T00-07P	0,9 Nm
19,50-21,24	T00-07P09	T00-07P	0,9 Nm
21,25-22,49	T00-08P12	T00-08P	1,2 Nm
22,50-25,49	T00-08P12	T00-08P	1,2 Nm
25,50-28,49	T00-09P20	T00-09P	2,0 Nm
28,50-31,49	T00-09P20	T00-09P	2,0 Nm
31,50-40,49	T00-15P30	T00-15P	3,0 Nm
40,50-43,24	T00-15P30	T00-15P	3,0 Nm
43,25-59,00	T00-15P30	T00-15P	3,0 Nm

*Çubuk dahil.

SD523

Delme derinliği ~ 3 x D – İnce






- ISO 9766 sap, -7
- İçten soğutma sıvısı
- Uç bilgileri için, bakınız sayfa 297-303
- Kesme verileri için, bakınız sayfa 306-307
- Ara çaplar için lütfen MyDesign programına bakınız

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	LFS	LS	DMM	DF	Uç		Radyal ayar	
		İnce	İnce	İnce	İnce	İnce	İnce	İnce	İnce	Merkez uç	Çevre uç	İnce -	İnce +
SD523-0562-169-1000R7	03080485	0.562	1.686	5.117	1.883	2.867	2.250	1.000	1.378	SPGX0502	SCGX050204	0.011	0.009
SD523-0594-178-1000R7	03080486	0.594	1.780	5.211	1.977	2.961	2.250	1.000	1.378	SPGX0502	SCGX050204	0.008	0.013
SD523-0625-188-1000R7	03080488	0.625	1.880	5.311	2.077	3.061	2.250	1.000	1.378	SPGX0502	SCGX050204	0.005	0.015
SD523-0656-197-1000R7	03080490	0.656	1.970	5.401	2.167	3.151	2.250	1.000	1.378	SPGX0502	SCGX050204	0.002	0.019
SD523-0687-206-1000R7	03080493	0.687	2.030	5.461	2.227	3.211	2.250	1.000	1.378	SPGX0502	SCGX050204	0	0.020
SD523-0709-213-1000R7	03080494	0.709	2.130	5.561	2.327	3.311	2.250	1.000	1.378	SPGX0602	SCGX050204	0.013	0.008
SD523-0750-225-1000R7	03080497	0.750	2.250	5.681	2.447	3.431	2.250	1.000	1.378	SPGX0602	SCGX050204	0.004	0.017
SD523-0766-230-1000R7	03080499	0.766	2.300	5.731	2.497	3.481	2.250	1.000	1.378	SPGX0602	SCGX050204	0.001	0.020
SD523-0787-236-1000R7	03080501	0.787	2.360	5.791	2.557	3.541	2.250	1.000	1.378	SPGX0602	SCGX060204	0.003	0.018
SD523-0812-244-1000R7	03080503	0.812	2.440	5.871	2.637	3.621	2.250	1.000	1.378	SPGX0602	SCGX060204	0.001	0.020
SD523-0827-248-1000R7	03080505	0.827	2.480	5.911	2.677	3.661	2.250	1.000	1.378	SPGX0602	SCGX060204	0	0.020
SD523-0875-263-1000R7	03080507	0.875	2.630	6.061	2.827	3.811	2.250	1.000	1.378	SPGX0703	SCGX060204	0.015	0.020
SD523-0906-272-1000R7	03080509	0.906	2.720	6.151	2.917	3.901	2.250	1.000	1.378	SPGX0703	SCGX070308	0.013	0.020
SD523-0922-276-1000R7	03080512	0.922	2.760	6.191	2.957	3.941	2.250	1.000	1.378	SPGX0703	SCGX070308	0.010	0.020
SD523-0937-281-1000R7	03080514	0.937	2.810	6.241	3.007	3.991	2.250	1.000	1.378	SPGX0703	SCGX070308	0.004	0.020
SD523-0984-295-1250R7	03080516	0.984	2.950	6.506	3.147	4.131	2.375	1.250	1.654	SPGX0703	SCGX070308	0.004	0.020
SD523-1000-300-1250R7	03080518	1.000	3.000	6.556	3.197	4.181	2.375	1.250	1.654	SPGX0703	SCGX070308	0.004	0.020
SD523-1032-310-1250R7	03080521	1.032	3.100	6.656	3.297	4.281	2.375	1.250	1.654	SPGX0903	SCGX070308	0.020	0.004
SD523-1062-319-1250R7	03080522	1.062	3.190	6.746	3.387	4.371	2.375	1.250	1.654	SPGX0903	SCGX070308	0.020	0.010
SD523-1109-332-1250R7	03080525	1.109	3.320	6.876	3.517	4.501	2.375	1.250	1.654	SPGX0903	SCGX070308	0.009	0.020
SD523-1125-338-1250R7	03080526	1.125	3.380	6.936	3.577	4.561	2.375	1.250	1.654	SPGX0903	SCGX09T308	0.008	0.020
SD523-1172-351-1250R7	03080528	1.172	3.510	7.066	3.707	4.691	2.375	1.250	1.654	SPGX0903	SCGX09T308	0.005	0.020
SD523-1187-356-1250R7	03080530	1.187	3.560	7.116	3.757	4.741	2.375	1.250	1.654	SPGX0903	SCGX09T308	0.005	0.020
SD523-1250-375-1500R7	03080533	1.250	3.750	7.556	3.947	4.931	2.625	1.500	1.969	SPGX11T3	SCGX09T308	0.020	0.011
SD523-1312-394-1500R7	03080535	1.312	3.940	7.746	4.137	5.121	2.625	1.500	1.969	SPGX11T3	SCGX09T308	0.020	0.020
SD523-1344-403-1500R7	03080537	1.344	4.030	7.836	4.227	5.211	2.625	1.500	1.969	SPGX11T3	SCGX09T308	0.006	0.020
SD523-1375-413-1500R7	03080539	1.375	4.130	7.936	4.327	5.311	2.625	1.500	1.969	SPGX11T3	SCGX11T308	0.009	0.020
SD523-1422-426-1500R7	03080541	1.422	4.260	8.066	4.457	5.441	2.625	1.500	1.969	SPGX11T3	SCGX11T308	0.004	0.020
SD523-1437-431-1500R7	03080542	1.437	4.310	8.116	4.507	5.491	2.625	1.500	1.969	SPGX11T3	SCGX11T308	0.004	0.020
SD523-1500-450-1500R7	03080547	1.500	4.500	8.306	4.697	5.681	2.625	1.500	1.969	SPGX12T3	SCGX11T308	0.020	0.020
SD523-1562-469-1500R7	03080550	1.562	4.690	8.496	4.887	5.871	2.625	1.500	1.969	SPGX12T3	SCGX11T308	0.010	0.020
SD523-1625-488-1500R7	03080555	1.625	4.880	8.686	5.077	6.061	2.625	1.500	1.969	SPGX12T3	SCGX120408	0.007	0.020
SD523-1687-506-1500R7	03080560	1.687	5.060	8.866	5.257	6.241	2.625	1.500	1.969	SPGX12T3	SCGX120408	0.004	0.020
SD523-1750-525-1500R7	03080565	1.750	5.250	9.056	5.447	6.431	2.625	1.500	1.969	SPGX1504	SCGX120408	0.020	0.016
SD523-1812-544-1500R7	03080572	1.812	5.440	9.246	5.637	6.621	2.625	1.500	1.969	SPGX1504	SCGX150512	0.020	0.020
SD523-1875-563-1500R7	03080577	1.875	5.630	9.436	5.827	6.811	2.625	1.500	1.969	SPGX1504	SCGX150512	0.020	0.020

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	LFS	LS	DMM	DF	Uç		Radyal ayar	
		İnç	İnç	İnç	İnç	İnç	İnç	İnç	İnç	Merkez uç	Çevre uç	İnç -	İnç +
SD523-1937-581-1500R7	03080581	1.937	5.810	9.616	6.007	6.991	2.625	1.500	2.337	SPGX1504	SCGX150512	0.008	0.020
SD523-2000-600-1500R7	03080588	2.000	6.000	9.806	6.197	7.181	2.625	1.500	2.337	SPGX1504	SCGX150512	0.008	0.020
SD523-2062-619-1500R7	03080593	2.062	6.190	9.996	6.387	7.371	2.625	1.500	2.337	SPGX1904	SCGX150512	0.020	0.017
SD523-2125-638-1500R7	03080596	2.125	6.380	10.186	6.577	7.561	2.625	1.500	2.337	SPGX1904	SCGX150512	0.020	0.020
SD523-2250-675-1500R7	03080603	2.250	6.750	10.556	6.947	7.931	2.625	1.500	2.337	SPGX1904	SCGX150512	0.013	0.020
SD523-2375-713-1500R7	03080609	2.375	7.130	10.936	7.327	8.311	2.625	1.500	2.480	SPGX1904	SCGX150512	0.004	0.020

Yedek parçalar

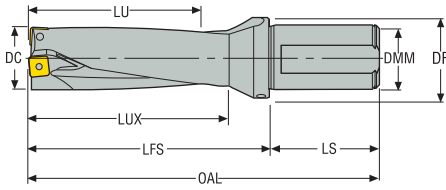
Şu matkap çapı için (inç)	Merkez uç vidası	Çevre Uç vidası	Anahtar
0.562-0.687	 C02245-T07P	 C02245-T07P	 T07P-2
0.709-0.766	C02205-T07P	C02245-T07P	T07P-2
0.787-0.827	C02205-T07P	C02205-T07P	T07P-2
0.875	C02506-T08P	C02506-T08P	T08P-2
0.906	C02507-T08P	C03007-T08P	T08P-2
0.922	C02506-T08P	C03007-T08P	T08P-2
0.937-1.000	C02507-T08P	C03007-T08P	T08P-2
1.032-1.109	C03007-T09P	C03007-T09P	T09P-2
1.125-1.187	C03007-T09P	C03009-T09P	T09P-2
1.250-1.562	C03508-T15P	C03508-T15P	T15P-2D
1.625-1.687	C03508-T15P	C05012-T15P	T15P-2D
1.750-2.375	C04011-T15P	C05012-T15P	T15P-2D

Aksesuarlar

Şu matkap çapı için (inç)	Değiştirilebilir Çubuk	Tork anahtarı
0.562-0.687	 T00-07P	 T00-07P09
0.709-0.766	-	T00-07P09
0.787-0.827	-	T00-07P09
0.875	-	T00-08P12
0.906	-	T00-08P12
0.922	-	T00-08P12
0.937-1.000	-	T00-08P12
1.032-1.109	-	T00-09P20
1.125-1.187	-	T00-09P20
1.250-1.562	-	T00-15P30
1.625-1.687	-	T00-15P30
1.750-2.375	-	T00-15P35

SD523

Delme derinliği ~ 3 x D – İnç








- ISO 9766 sap, R7-C
- İçten soğutma sıvısı
- Uç bilgileri için, bakınız sayfa 297-303
- Kesme verileri için, bakınız sayfa 306-307
- Ara çaplar için lütfen MyDesign programına bakınız
- For stationary applications


Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	LFS	LS	DMM	DF	Radyal ayar			
		İnç	İnç	İnç	İnç	İnç	İnç	İnç	İnç	İnç	Merkez uç	Çevre uç	İnç -
SD523-0594-178-1000R7-C	03080487	0.594	1.780	5.908	1.977	3.158	2.750	1.000	1.378	SPGX0502	SCGX050204	0.008	0.013
SD523-0625-188-1000R7-C	03080489	0.625	1.880	6.008	2.077	3.258	2.750	1.000	1.378	SPGX0502	SCGX050204	0.005	0.015
SD523-0656-197-1000R7-C	03080491	0.656	1.970	6.098	2.167	3.348	2.750	1.000	1.378	SPGX0502	SCGX050204	0.002	0.019
SD523-0687-206-1000R7-C	03080492	0.687	2.060	6.188	2.257	3.438	2.750	1.000	1.378	SPGX0502	SCGX050204	0	0.020
SD523-0709-213-1000R7-C	03080495	0.709	2.130	6.258	2.327	3.508	2.750	1.000	1.378	SPGX0602	SCGX050204	0.013	0.008
SD523-0750-225-1000R7-C	03080496	0.750	2.250	6.378	2.447	3.628	2.750	1.000	1.378	SPGX0602	SCGX050204	0.004	0.017
SD523-0766-230-1000R7-C	03080500	0.766	2.300	6.428	2.497	3.678	2.750	1.000	1.378	SPGX0602	SCGX050204	0.001	0.020
SD523-0787-236-1000R7-C	03080502	0.787	2.360	6.488	2.557	3.738	2.750	1.000	1.378	SPGX0602	SCGX060204	0.003	0.018
SD523-0812-244-1000R7-C	03080504	0.812	2.440	6.568	2.637	3.818	2.750	1.000	1.378	SPGX0602	SCGX060204	0.001	0.020
SD523-0827-248-1000R7-C	03080506	0.827	2.480	6.608	2.677	3.858	2.750	1.000	1.378	SPGX0602	SCGX060204	0	0.020
SD523-0875-263-1000R7-C	03080508	0.875	2.630	6.758	2.827	4.008	2.750	1.000	1.378	SPGX0703	SCGX060204	0.015	0.020
SD523-0906-272-1000R7-C	03080511	0.906	2.720	6.848	2.917	4.098	2.750	1.000	1.378	SPGX0703	SCGX070308	0.013	0.020
SD523-0922-276-1000R7-C	03080513	0.922	2.760	6.888	2.957	4.138	2.750	1.000	1.378	SPGX0703	SCGX070308	0.010	0.020
SD523-0937-281-1000R7-C	03080515	0.937	2.810	6.938	3.007	4.188	2.750	1.000	1.378	SPGX0703	SCGX070308	0.004	0.020
SD523-0984-295-1250R7-C	03080517	0.984	2.950	7.078	3.147	4.328	2.750	1.250	1.654	SPGX0703	SCGX070308	0.004	0.020
SD523-1000-300-1250R7-C	03080519	1.000	3.000	7.128	3.197	4.378	2.750	1.250	1.654	SPGX0703	SCGX070308	0.004	0.020
SD523-1032-310-1250R7-C	03080520	1.032	3.100	7.228	3.297	4.478	2.750	1.250	1.654	SPGX0903	SCGX070308	0.020	0.004
SD523-1062-319-1250R7-C	03080523	1.062	3.190	7.318	3.387	4.568	2.750	1.250	1.654	SPGX0903	SCGX070308	0.020	0.010
SD523-1109-332-1250R7-C	03080524	1.109	3.320	7.448	3.517	4.698	2.750	1.250	1.654	SPGX0903	SCGX070308	0.009	0.020
SD523-1125-338-1250R7-C	03080527	1.125	3.380	7.508	3.577	4.758	2.750	1.250	1.654	SPGX0903	SCGX09T308	0.008	0.020
SD523-1172-351-1250R7-C	03080529	1.172	3.510	7.638	3.707	4.888	2.750	1.250	1.654	SPGX0903	SCGX09T308	0.005	0.020
SD523-1187-356-1250R7-C	03080531	1.187	3.560	7.688	3.757	4.938	2.750	1.250	1.654	SPGX0903	SCGX09T308	0.005	0.020
SD523-1250-375-1500R7-C	03080532	1.250	3.750	7.878	3.947	5.128	2.750	1.500	1.969	SPGX11T3	SCGX09T308	0.020	0.011
SD523-1312-394-1500R7-C	03080536	1.312	3.940	8.068	4.137	5.318	2.750	1.500	1.969	SPGX11T3	SCGX09T308	0.020	0.020
SD523-1344-403-1500R7-C	03080538	1.344	4.030	8.158	4.227	5.408	2.750	1.500	1.969	SPGX11T3	SCGX09T308	0.006	0.020
SD523-1375-413-1500R7-C	03080540	1.375	4.130	8.258	4.327	5.508	2.750	1.500	1.969	SPGX11T3	SCGX11T308	0.009	0.020
SD523-1422-426-1500R7-C	03080900	1.422	4.260	8.388	4.457	5.638	2.750	1.500	1.969	SPGX11T3	SCGX11T308	0.004	0.020
SD523-1437-431-1500R7-C	03080543	1.437	4.310	8.438	4.507	5.688	2.750	1.500	1.969	SPGX11T3	SCGX11T308	0.004	0.020
SD523-1500-450-1500R7-C	03080546	1.500	4.500	8.628	4.697	5.878	2.750	1.500	1.969	SPGX12T3	SCGX11T308	0.020	0.020
SD523-1562-469-1500R7-C	03080551	1.562	4.690	8.818	4.887	6.068	2.750	1.500	1.969	SPGX12T3	SCGX11T308	0.010	0.020
SD523-1625-488-1500R7-C	03080556	1.625	4.880	9.008	5.077	6.258	2.750	1.500	1.969	SPGX12T3	SCGX120408	0.007	0.020
SD523-1687-506-1500R7-C	03080561	1.687	5.060	9.188	5.257	6.438	2.750	1.500	1.969	SPGX12T3	SCGX120408	0.004	0.020
SD523-1750-525-1500R7-C	03080566	1.750	5.250	9.378	5.447	6.628	2.750	1.500	1.969	SPGX1504	SCGX120408	0.020	0.016
SD523-1812-544-1500R7-C	03080573	1.812	5.440	9.568	5.637	6.818	2.750	1.500	1.969	SPGX1504	SCGX150512	0.020	0.020
SD523-1875-563-1500R7-C	03080578	1.875	5.630	9.758	5.827	7.008	2.750	1.500	1.969	SPGX1504	SCGX150512	0.020	0.020

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	LFS	LS	DMM	DF	Uç		Radyal ayar	
		İnç	İnç	İnç	İnç	İnç	İnç	İnç	İnç	Merkez uç	Çevre uç	İnç -	İnç +
SD523-1937-581-1500R7-C	03080582	1.937	5.810	9.938	6.007	7.188	2.750	1.500	2.337	SPGX1504	SCGX150512	0.008	0.020
SD523-2000-600-1500R7-C	03080589	2.000	6.000	10.128	6.197	7.378	2.750	1.500	2.337	SPGX1504	SCGX150512	0.008	0.020
SD523-2125-638-1500R7-C	03080598	2.125	6.380	10.508	6.577	7.758	2.750	1.500	2.337	SPGX1904	SCGX150512	0.020	0.020
SD523-2250-675-1500R7-C	03080604	2.250	6.750	10.878	6.947	8.128	2.750	1.500	2.337	SPGX1904	SCGX150512	0.013	0.020
SD523-2375-713-1500R7-C	03080610	2.375	7.130	11.258	7.327	8.508	2.750	1.500	2.480	SPGX1904	SCGX150512	0.004	0.020

Yedek parçalar

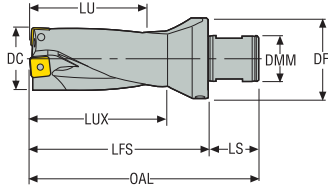
Şu matkap çapı için (inç)	Hortum adaptörü	Merkez uç vidası	Çevre Uç vidası	Anahtar	Tapa
0.594-0.687					
0.709-0.766	1310	C02245-T07P	C02245-T07P	T07P-2	R1/4
0.787-0.827	1310	C02205-T07P	C02205-T07P	T07P-2	R1/4
0.875	1310	C02506-T08P	C02506-T08P	T08P-2	R1/4
0.906-0.922	1310	C02506-T08P	C03007-T08P	T08P-2	R1/4
0.937-1.000	1310	C02507-T08P	C03007-T08P	T08P-2	R1/4
1.032-1.109	1310	C03007-T09P	C03007-T09P	T09P-2	R1/4
1.125-1.187	1310	C03007-T09P	C03009-T09P	T09P-2	R1/4
1.250-1.562	1310	C03508-T15P	C03508-T15P	T15P-2D	R1/4
1.625-1.687	1310	C03508-T15P	C05012-T15P	T15P-2D	R1/4
1.750-2.375	1310	C04011-T15P	C05012-T15P	T15P-2D	R1/4

Aksesuarlar

Şu matkap çapı için (inç)	Tork anahtarı
0.594-0.687	
0.709-0.766	T00-07P09
0.787-0.827	T00-07P09
0.875	T00-08P12
0.906-0.922	T00-08P12
0.937-1.000	T00-08P12
1.032-1.109	T00-09P20
1.125-1.187	T00-09P20
1.250-1.562	T00-15P30
1.625-1.687	T00-15P30
1.750-2.375	T00-15P35

SD523

Delme derinliği ~ 3 x D – Metrik





- ABS 50 ile uyumlu sap, -2
- İçten soğutma sıvısı
- Uç bilgileri için, bakınız sayfa 297-303
- Kesme verileri için, bakınız sayfa 306-307
- Ara çaplar için lütfen MyDesign programına bakınız

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	LFS	LS	DMM	DF	Uç		Radyal ayar	
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	Merkez uç	Çevre uç	mm - İnç -	mm + İnç +
SD523-15-45-50R2	03080864	15,0 0.591	45,0 1.772	106,0 4.173	50,0 1.969	75,0 2.953	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0502	SCGX050204	0,22 0.009	0,31 0.012
SD523-15.5-47-50R2	03080865	15,5 0.610	47,0 1.850	108,0 4.252	52,0 2.047	77,0 3.031	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0502	SCGX050204	0,17 0.007	0,36 0.014
SD523-16-48-50R2	03080559	16,0 0.630	48,0 1.890	109,0 4.291	53,0 2.087	78,0 3.071	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0502	SCGX050204	0,12 0.005	0,41 0.016
SD523-16.5-50-50R2	03080866	16,5 0.650	50,0 1.969	111,0 4.370	55,0 2.165	80,0 3.150	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0502	SCGX050204	0,07 0.003	0,46 0.018
SD523-17-51-50R2	03080867	17,0 0.669	51,0 2.008	112,0 4.409	56,0 2.205	81,0 3.189	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0502	SCGX050204	0,02 0.001	0,5 0.020
SD523-17.5-53-50R2	03080564	17,5 0.689	53,0 2.087	114,0 4.488	58,0 2.283	83,0 3.268	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0602	SCGX050204	0,43 0.017	0,1 0.004
SD523-18-54-50R2	03080576	18,0 0.709	54,0 2.126	115,0 4.528	59,0 2.323	84,0 3.307	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0602	SCGX050204	0,32 0.013	0,21 0.008
SD523-18.5-56-50R2	03080868	18,5 0.728	56,0 2.205	117,0 4.606	61,0 2.402	86,0 3.386	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0602	SCGX050204	0,22 0.009	0,31 0.012
SD523-19-57-50R2	03080585	19,0 0.748	57,0 2.244	118,0 4.646	62,0 2.441	87,0 3.425	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0602	SCGX050204	0,11 0.004	0,42 0.017
SD523-20-60-50R2	03080591	20,0 0.787	60,0 2.362	121,0 4.764	65,0 2.559	90,0 3.543	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0602	SCGX060204	0,07 0.003	0,46 0.018
SD523-20.62-62-50R2	03080587	20,62 0.812	62,0 2.441	123,0 4.843	67,0 2.638	92,0 3.622	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0602	SCGX060204	0,03 0.001	0,5 0.020
SD523-21-63-50R2	03080600	21,0 0.827	63,0 2.480	124,0 4.882	68,0 2.677	93,0 3.661	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0602	SCGX060204	0,01 0	0,5 0.020
SD523-22-66-50R2	03080606	22,0 0.866	66,0 2.598	127,0 5.000	71,0 2.795	96,0 3.780	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0703	SCGX060204	0,44 0.017	0,46 0.018
SD523-22.23-67-50R2	03080601	22,23 0.875	67,0 2.638	128,0 5.039	72,0 2.835	97,0 3.819	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0703	SCGX060204	0,39 0.015	0,5 0.020
SD523-23-69-50R2	03080869	23,0 0.906	69,0 2.717	130,0 5.118	74,0 2.913	99,0 3.898	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0703	SCGX070308	0,33 0.013	0,5 0.020
SD523-24-72-50R2	03080613	24,0 0.945	72,0 2.835	133,0 5.236	77,0 3.031	102,0 4.016	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0703	SCGX070308	0,11 0.004	0,5 0.020
SD523-25-75-50R2	03080617	25,0 0.984	75,0 2.953	136,0 5.354	80,0 3.150	105,0 4.134	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0703	SCGX070308	0,11 0.004	0,5 0.020
SD523-25.40-77-50R2	03080614	25,4 1.000	77,0 3.031	138,0 5.433	82,0 3.228	107,0 4.213	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0703	SCGX070308	0,11 0.004	0,5 0.020
SD523-26-78-50R2	03080620	26,0 1.024	78,0 3.071	139,0 5.472	83,0 3.268	108,0 4.252	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0903	SCGX070308	0,5 0.020	0,11 0.004
SD523-27-81-50R2	03080623	27,0 1.063	81,0 3.189	142,0 5.591	86,0 3.386	111,0 4.370	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0903	SCGX070308	0,5 0.020	0,26 0.010
SD523-28-84-50R2	03080627	28,0 1.102	84,0 3.307	145,0 5.709	89,0 3.504	114,0 4.488	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0903	SCGX070308	0,28 0.011	0,5 0.020

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	LFS	LS	DMM	DF	Uç		Radyal ayar	
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	Merkez uç	Çevre uç	mm - İnç -	mm + İnç +
SD523-28.59-86-50R2	03080625	28,59 1.126	86,0 3.386	147,0 5.787	91,0 3.583	116,0 4.567	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0903	SCGX09T308	0,21 0.008	0,5 0.020
SD523-29.87-87-50R2	03080630	29,0 1.142	87,0 3.425	148,0 5.827	92,0 3.622	117,0 4.606	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0903	SCGX09T308	0,18 0.007	0,5 0.020
SD523-30.90-90-50R2	03080633	30,0 1.181	90,0 3.543	151,0 5.945	95,0 3.740	120,0 4.724	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0903	SCGX09T308	0,12 0.005	0,5 0.020
SD523-31.93-93-50R2	03080637	31,0 1.220	93,0 3.661	154,0 6.063	98,0 3.858	123,0 4.843	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0903	SCGX09T308	0,12 0.005	0,5 0.020
SD523-31.75-96-50R2	03080635	31,75 1.250	96,0 3.780	157,0 6.181	101,0 3.976	126,0 4.961	31,0 1.220	28,0 1.102	50,0 1.969	SPGX11T3	SCGX09T308	0,5 0.020	0,28 0.011
SD523-32.96-96-50R2	03080640	32,0 1.260	96,0 3.780	157,0 6.181	101,0 3.976	126,0 4.961	31,0 1.220	28,0 1.102	50,0 1.969	SPGX11T3	SCGX09T308	0,5 0.020	0,31 0.012
SD523-33.99-99-50R2	03080643	33,0 1.299	99,0 3.898	160,0 6.299	104,0 4.094	129,0 5.079	31,0 1.220	28,0 1.102	50,0 1.969	SPGX11T3	SCGX09T308	0,5 0.020	0,46 0.018
SD523-34.102-50R2	03080646	34,0 1.339	102,0 4.016	163,0 6.417	107,0 4.213	132,0 5.197	31,0 1.220	28,0 1.102	50,0 1.969	SPGX11T3	SCGX09T308	0,22 0.009	0,5 0.020
SD523-35.105-50R2	03080650	35,0 1.378	105,0 4.134	166,0 6.535	110,0 4.331	135,0 5.315	31,0 1.220	28,0 1.102	50,0 1.969	SPGX11T3	SCGX11T308	0,22 0.009	0,5 0.020
SD523-36.108-50R2	03080870	36,0 1.417	108,0 4.252	169,0 6.654	113,0 4.449	138,0 5.433	31,0 1.220	28,0 1.102	50,0 1.969	SPGX11T3	SCGX11T308	0,09 0.004	0,5 0.020
SD523-37.111-50R2	03080871	37,0 1.457	111,0 4.370	172,0 6.772	116,0 4.567	141,0 5.551	31,0 1.220	28,0 1.102	50,0 1.969	SPGX11T3	SCGX11T308	0,09 0.004	0,5 0.020
SD523-38.114-50R2	03080657	38,0 1.496	114,0 4.488	175,0 6.890	119,0 4.685	144,0 5.669	31,0 1.220	28,0 1.102	50,0 1.969	SPGX12T3	SCGX11T308	0,5 0.020	0,5 0.020
SD523-39.117-50R2	03080660	39,0 1.535	117,0 4.606	178,0 7.008	122,0 4.803	147,0 5.787	31,0 1.220	28,0 1.102	50,0 1.969	SPGX12T3	SCGX11T308	0,39 0.015	0,5 0.020
SD523-40.120-50R2	03080872	40,0 1.575	120,0 4.724	181,0 7.126	125,0 4.921	150,0 5.906	31,0 1.220	28,0 1.102	50,0 1.969	SPGX12T3	SCGX11T308	0,19 0.007	0,5 0.020
SD523-41.123-50R2	03080873	41,0 1.614	123,0 4.843	184,0 7.244	128,0 5.039	153,0 6.024	31,0 1.220	28,0 1.102	50,0 1.969	SPGX12T3	SCGX120408	0,19 0.007	0,5 0.020
SD523-42.126-50R2	03080874	42,0 1.654	126,0 4.961	187,0 7.362	131,0 5.157	156,0 6.142	31,0 1.220	28,0 1.102	50,0 1.969	SPGX12T3	SCGX120408	0,19 0.007	0,5 0.020
SD523-43.129-50R2	03080875	43,0 1.693	129,0 5.079	190,0 7.480	134,0 5.276	159,0 6.260	31,0 1.220	28,0 1.102	50,0 1.969	SPGX12T3	SCGX120408	0,05 0.002	0,5 0.020
SD523-44.132-50R2	03080671	44,0 1.732	132,0 5.197	193,0 7.598	137,0 5.394	162,0 6.378	31,0 1.220	28,0 1.102	50,0 1.969	SPGX1504	SCGX120408	0,5 0.020	0,41 0.016
SD523-44.45-134-50R2	03080668	44,45 1.750	134,0 5.276	195,0 7.677	139,0 5.472	164,0 6.457	31,0 1.220	28,0 1.102	50,0 1.969	SPGX1504	SCGX120408	0,5 0.020	0,41 0.016

Yedek parçalar

Şu matkap çapı için (mm)	Uç vidası	Uç anahtar
		
	Merkez uç	Çevre uç
15,00-17,45	C02245-T07P	C02245-T07P
17,46-19,49	C02205-T07P	C02245-T07P
19,50-21,24	C02205-T07P	C02205-T07P
21,25-22,49	C02506-T08P	C02506-T08P
22,50-25,49	C02507-T08P	C03007-T08P
25,50-28,49	C03007-T09P	C03007-T09P
28,50-31,49	C03007-T09P	C03009-T09P
31,50-40,49	C03508-T15P	C03508-T15P
40,50-43,24	C03508-T15P	C05012-T15P
43,25-59,00	C04011-T15P	C05012-T15P

Giriş



Delme

Raybalama

Baralama

Ek

Aksesuarlar

Şu matkap çapı için (mm)	Tork anahtarı*	Yedek çubuk	Tork değeri
			
15,00-17,45	T00-07P09	T00-07P	0,9 Nm
17,46-19,49	T00-07P09	T00-07P	0,9 Nm
19,50-21,24	T00-07P09	T00-07P	0,9 Nm
21,25-22,49	T00-08P12	T00-08P	1,2 Nm
22,50-25,49	T00-08P12	T00-08P	1,2 Nm
25,50-28,49	T00-09P20	T00-09P	2,0 Nm
28,50-31,49	T00-09P20	T00-09P	2,0 Nm
31,50-40,49	T00-15P30	T00-15P	3,0 Nm
40,50-43,24	T00-15P30	T00-15P	3,0 Nm
43,25-59,00	T00-15P30	T00-15P	3,0 Nm

*Çubuk dahil.

Giriş

Delme

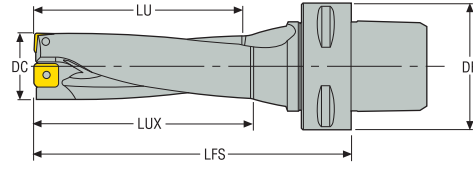
Raybalama

Baralama

Ek

SD523

Delme derinliği ~ 3 x D – Metrik



- Seco-Capto™ C4 sap
- İçten soğutma sıvısı
- Uç bilgileri için, bakınız sayfa 297-303
- Kesme verileri için, bakınız sayfa 306-307
- Ara çaplar için lütfen MyDesign programına bakınız

Ürün Tanımı	Ürün numarası	DC	LU	LUX	LFS	DF	Uç		Radyal ayar	
							Merkez uç	Çevre uç	mm - İnce -	mm + İnce +
SD523-15-45-C4	03080920	15,0 0.591	45,0 1.772	50,0 1.969	82,0 3.228	40,0 1.575	SPGX0502	SCGX050204	0,22 0.009	0,31 0.012
SD523-15.5-47-C4	03080921	15,5 0.610	47,0 1.850	52,0 2.047	84,0 3.307	40,0 1.575	SPGX0502	SCGX050204	0,17 0.007	0,36 0.014
SD523-16-48-C4	03080922	16,0 0.630	48,0 1.890	53,0 2.087	86,0 3.386	40,0 1.575	SPGX0502	SCGX050204	0,12 0.005	0,41 0.016
SD523-16.5-50-C4	03080923	16,5 0.650	50,0 1.969	55,0 2.165	88,0 3.465	40,0 1.575	SPGX0502	SCGX050204	0,07 0.003	0,46 0.018
SD523-17-51-C4	03080925	17,0 0.669	51,0 2.008	56,0 2.205	89,0 3.504	40,0 1.575	SPGX0502	SCGX050204	0,02 0.001	0,5 0.020
SD523-17.5-53-C4	03080926	17,5 0.689	53,0 2.087	58,0 2.283	92,0 3.622	40,0 1.575	SPGX0602	SCGX050204	0,43 0.017	0,1 0.004
SD523-18-54-C4	03080927	18,0 0.709	54,0 2.126	59,0 2.323	93,0 3.661	40,0 1.575	SPGX0602	SCGX050204	0,32 0.013	0,21 0.008
SD523-18.5-56-C4	03080928	18,5 0.728	56,0 2.205	61,0 2.402	95,0 3.740	40,0 1.575	SPGX0602	SCGX050204	0,22 0.009	0,31 0.012
SD523-19-57-C4	03080929	19,0 0.748	57,0 2.244	62,0 2.441	96,0 3.780	40,0 1.575	SPGX0602	SCGX050204	0,11 0.004	0,42 0.017
SD523-20-60-C4	03080930	20,0 0.787	60,0 2.362	65,0 2.559	101,0 3.976	40,0 1.575	SPGX0602	SCGX060204	0,07 0.003	0,46 0.018
SD523-20.62-62-C4	03081006	20,62 0.812	62,0 2.441	67,0 2.638	103,0 4.055	40,0 1.575	SPGX0602	SCGX060204	0,03 0.001	0,5 0.020
SD523-21-63-C4	03080931	21,0 0.827	63,0 2.480	68,0 2.677	104,0 4.094	40,0 1.575	SPGX0602	SCGX060204	0,01 0	0,5 0.020
SD523-22-66-C4	03080932	22,0 0.866	66,0 2.598	71,0 2.795	107,0 4.213	40,0 1.575	SPGX0703	SCGX060204	0,44 0.017	0,46 0.018
SD523-22.23-67-C4	03081008	22,23 0.875	67,0 2.638	72,0 2.835	108,0 4.252	40,0 1.575	SPGX0703	SCGX060204	0,39 0.015	0,5 0.020
SD523-23-69-C4	03080933	23,0 0.906	69,0 2.717	74,0 2.913	111,0 4.370	40,0 1.575	SPGX0703	SCGX070308	0,33 0.013	0,5 0.020
SD523-24-72-C4	03080934	24,0 0.945	72,0 2.835	77,0 3.031	115,0 4.528	40,0 1.575	SPGX0703	SCGX070308	0,11 0.004	0,5 0.020
SD523-25-75-C4	03080935	25,0 0.984	75,0 2.953	80,0 3.150	119,0 4.685	40,0 1.575	SPGX0703	SCGX070308	0,11 0.004	0,5 0.020
SD523-25.4-77-C4	03081009	25,4 1.000	77,0 3.031	82,0 3.228	121,0 4.764	40,0 1.575	SPGX0703	SCGX070308	0,11 0.004	0,5 0.020
SD523-26-78-C4	03080936	26,0 1.024	78,0 3.071	83,0 3.268	122,0 4.803	40,0 1.575	SPGX0903	SCGX070308	0,5 0.020	0,11 0.004
SD523-27-81-C4	03080937	27,0 1.063	81,0 3.189	86,0 3.386	125,0 4.921	40,0 1.575	SPGX0903	SCGX070308	0,5 0.020	0,26 0.010
SD523-28-84-C4	03080938	28,0 1.102	84,0 3.307	89,0 3.504	129,0 5.079	40,0 1.575	SPGX0903	SCGX070308	0,28 0.011	0,5 0.020
SD523-28.59-86-C4	03081010	28,59 1.126	86,0 3.386	91,0 3.583	131,0 5.157	40,0 1.575	SPGX0903	SCGX09T308	0,21 0.008	0,5 0.020

Ürün Tanımı	Ürün numarası	DC	LU	LUX	LFS	DF	Uç		Radyal ayar	
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	Merkez uç	Çevre uç	mm - İnç -	mm + İnç +
SD523-29-87-C4	03080939	29,0 1.142	87,0 3.425	92,0 3.622	132,0 5.197	40,0 1.575	SPGX0903	SCGX09T308	0,18 0.007	0,5 0.020
SD523-30-90-C4	03080940	30,0 1.181	90,0 3.543	95,0 3.740	135,0 5.315	40,0 1.575	SPGX0903	SCGX09T308	0,12 0.005	0,5 0.020

Yedek parçalar

Şu matkap çapı için (mm)	Uç vidası		Uç anahtarı
	Merkez uç	Çevre uç	
15,00-17,45	C02245-T07P	C02245-T07P	T07P-2
17,46-19,49	C02205-T07P	C02245-T07P	T07P-2
19,50-21,24	C02205-T07P	C02205-T07P	T07P-2
21,25-22,49	C02506-T08P	C02506-T08P	T08P-2
22,50-25,49	C02507-T08P	C03007-T08P	T08P-2
25,50-28,49	C03007-T09P	C03007-T09P	T09P-2
28,50-31,49	C03007-T09P	C03009-T09P	T09P-2
31,50-40,49	C03508-T15P	C03508-T15P	T15P-2D
40,50-43,24	C03508-T15P	C05012-T15P	T15P-2D
43,25-59,00	C04011-T15P	C05012-T15P	T15P-2D

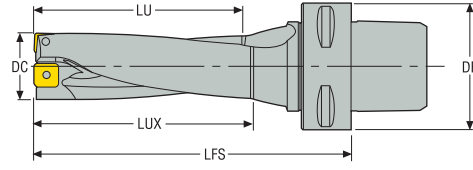
Aksesuarlar

Şu matkap çapı için (mm)	Tork anahtarı*	Yedek çubuk	Tork değeri
15,00-17,45	T00-07P09	T00-07P	0,9 Nm
17,46-19,49	T00-07P09	T00-07P	0,9 Nm
19,50-21,24	T00-07P09	T00-07P	0,9 Nm
21,25-22,49	T00-08P12	T00-08P	1,2 Nm
22,50-25,49	T00-08P12	T00-08P	1,2 Nm
25,50-28,49	T00-09P20	T00-09P	2,0 Nm
28,50-31,49	T00-09P20	T00-09P	2,0 Nm
31,50-40,49	T00-15P30	T00-15P	3,0 Nm
40,50-43,24	T00-15P30	T00-15P	3,0 Nm
43,25-59,00	T00-15P30	T00-15P	3,0 Nm

*Çubuk dahil.

SD523

Delme derinliği ~ 3 x D – Metrik



- Seco-Capto™ C5 sap
- İçten soğutma sıvısı
- Uç bilgileri için, bakınız sayfa 297-303
- Kesme verileri için, bakınız sayfa 306-307
- Ara çaplar için lütfen MyDesign programına bakınız



Ürün Tanımı	Ürün numarası	DC	LU	LUX	LFS	DF	Uç		Radyal ayar	
							Merkez uç	Çevre uç	mm - İnce -	mm + İnce +
SD523-15-45-C5	03080941	15,0 0.591	45,0 1.772	50,0 1.969	82,0 3.228	50,0 1.969	SPGX0502	SCGX050204	0,22 0.009	0,31 0.012
SD523-15.5-47-C5	03080942	15,5 0.610	47,0 1.850	52,0 2.047	84,0 3.307	50,0 1.969	SPGX0502	SCGX050204	0,17 0.007	0,36 0.014
SD523-16-48-C5	03080943	16,0 0.630	48,0 1.890	53,0 2.087	86,0 3.386	50,0 1.969	SPGX0502	SCGX050204	0,12 0.005	0,41 0.016
SD523-16.5-50-C5	03080944	16,5 0.650	50,0 1.969	55,0 2.165	88,0 3.465	50,0 1.969	SPGX0502	SCGX050204	0,07 0.003	0,46 0.018
SD523-17-51-C5	03080945	17,0 0.669	51,0 2.008	56,0 2.205	89,0 3.504	50,0 1.969	SPGX0502	SCGX050204	0,02 0.001	0,5 0.020
SD523-17.5-53-C5	03080946	17,5 0.689	53,0 2.087	58,0 2.283	92,0 3.622	50,0 1.969	SPGX0602	SCGX050204	0,43 0.017	0,1 0.004
SD523-18-54-C5	03080947	18,0 0.709	54,0 2.126	59,0 2.323	93,0 3.661	50,0 1.969	SPGX0602	SCGX050204	0,32 0.013	0,21 0.008
SD523-18.5-56-C5	03080948	18,5 0.728	56,0 2.205	61,0 2.402	95,0 3.740	50,0 1.969	SPGX0602	SCGX050204	0,22 0.009	0,31 0.012
SD523-19-57-C5	03080949	19,0 0.748	57,0 2.244	62,0 2.441	96,0 3.780	50,0 1.969	SPGX0602	SCGX050204	0,11 0.004	0,42 0.017
SD523-20-60-C5	03080950	20,0 0.787	60,0 2.362	65,0 2.559	101,0 3.976	50,0 1.969	SPGX0602	SCGX060204	0,07 0.003	0,46 0.018
SD523-20.62-62-C5	03081001	20,62 0.812	62,0 2.441	67,0 2.638	103,0 4.055	50,0 1.969	SPGX0602	SCGX060204	0,03 0.001	0,5 0.020
SD523-21-63-C5	03080951	21,0 0.827	63,0 2.480	68,0 2.677	104,0 4.094	50,0 1.969	SPGX0602	SCGX060204	0,01 0	0,5 0.020
SD523-22-66-C5	03080952	22,0 0.866	66,0 2.598	71,0 2.795	107,0 4.213	50,0 1.969	SPGX0703	SCGX060204	0,44 0.017	0,46 0.018
SD523-22.23-67-C5	03081002	22,23 0.875	67,0 2.638	72,0 2.835	108,0 4.252	50,0 1.969	SPGX0703	SCGX060204	0,39 0.015	0,5 0.020
SD523-23-69-C5	03080953	23,0 0.906	69,0 2.717	74,0 2.913	111,0 4.370	50,0 1.969	SPGX0703	SCGX070308	0,33 0.013	0,5 0.020
SD523-24-72-C5	03080954	24,0 0.945	72,0 2.835	77,0 3.031	115,0 4.528	50,0 1.969	SPGX0703	SCGX070308	0,11 0.004	0,5 0.020
SD523-25-75-C5	03080955	25,0 0.984	75,0 2.953	80,0 3.150	119,0 4.685	50,0 1.969	SPGX0703	SCGX070308	0,11 0.004	0,5 0.020
SD523-25.4-77-C5	03081003	25,4 1.000	77,0 3.031	82,0 3.228	121,0 4.764	50,0 1.969	SPGX0703	SCGX070308	0,11 0.004	0,5 0.020
SD523-26-78-C5	03080956	26,0 1.024	78,0 3.071	83,0 3.268	122,0 4.803	50,0 1.969	SPGX0903	SCGX070308	0,5 0.020	0,11 0.004
SD523-27-81-C5	03080957	27,0 1.063	81,0 3.189	86,0 3.386	125,0 4.921	50,0 1.969	SPGX0903	SCGX070308	0,5 0.020	0,26 0.010
SD523-28-84-C5	03080958	28,0 1.102	84,0 3.307	89,0 3.504	129,0 5.079	50,0 1.969	SPGX0903	SCGX070308	0,28 0.011	0,5 0.020
SD523-28.59-86-C5	03081004	28,59 1.126	86,0 3.386	91,0 3.583	131,0 5.157	50,0 1.969	SPGX0903	SCGX09T308	0,21 0.008	0,5 0.020

Ürün Tanımı	Ürün numarası	DC	LU	LUX	LFS	DF	Uç		Radyal ayar	
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	Merkez uç	Çevre uç	mm - İnç -	mm + İnç +
SD523-29-87-C5	03080959	29,0 1.142	87,0 3.425	92,0 3.622	132,0 5.197	50,0 1.969	SPGX0903	SCGX09T308	0,18 0.007	0,5 0.020
SD523-30-90-C5	03080960	30,0 1.181	90,0 3.543	95,0 3.740	135,0 5.315	50,0 1.969	SPGX0903	SCGX09T308	0,12 0.005	0,5 0.020
SD523-31-93-C5	03080961	31,0 1.220	93,0 3.661	98,0 3.858	138,0 5.433	50,0 1.969	SPGX0903	SCGX09T308	0,12 0.005	0,5 0.020
SD523-31.75-96-C5	03081005	31,75 1.250	96,0 3.780	101,0 3.976	142,0 5.591	50,0 1.969	SPGX11T3	SCGX09T308	0,5 0.020	0,28 0.011
SD523-32-96-C5	03080962	32,0 1.260	96,0 3.780	101,0 3.976	142,0 5.591	50,0 1.969	SPGX11T3	SCGX09T308	0,5 0.020	0,31 0.012
SD523-33-99-C5	03080963	33,0 1.299	99,0 3.898	104,0 4.094	145,0 5.709	50,0 1.969	SPGX11T3	SCGX09T308	0,5 0.020	0,46 0.018
SD523-34-102-C5	03080964	34,0 1.339	102,0 4.016	107,0 4.213	148,0 5.827	50,0 1.969	SPGX11T3	SCGX09T308	0,22 0.009	0,5 0.020
SD523-35-105-C5	03080965	35,0 1.378	105,0 4.134	110,0 4.331	151,0 5.945	50,0 1.969	SPGX11T3	SCGX11T308	0,22 0.009	0,5 0.020
SD523-36-108-C5	03080966	36,0 1.417	108,0 4.252	113,0 4.449	154,0 6.063	50,0 1.969	SPGX11T3	SCGX11T308	0,09 0.004	0,5 0.020
SD523-37-111-C5	03080967	37,0 1.457	111,0 4.370	116,0 4.567	157,0 6.181	50,0 1.969	SPGX11T3	SCGX11T308	0,09 0.004	0,5 0.020
SD523-38-114-C5	03080968	38,0 1.496	114,0 4.488	119,0 4.685	160,0 6.299	50,0 1.969	SPGX12T3	SCGX11T308	0,5 0.020	0,5 0.020
SD523-39-117-C5	03080969	39,0 1.535	117,0 4.606	122,0 4.803	163,0 6.417	50,0 1.969	SPGX12T3	SCGX11T308	0,39 0.015	0,5 0.020
SD523-40-120-C5	03080970	40,0 1.575	120,0 4.724	125,0 4.921	166,0 6.535	50,0 1.969	SPGX12T3	SCGX11T308	0,19 0.007	0,5 0.020

Yedek parçalar

Şu matkap çapı için (mm)	Uç vidası		Uç anahtar	
	Merkez uç	Çevre uç	Merkez uç	Çevre uç
15,00-17,45	C02245-T07P	C02245-T07P	T07P-2	T07P-2
17,46-19,49	C02205-T07P	C02245-T07P	T07P-2	T07P-2
19,50-21,24	C02205-T07P	C02205-T07P	T07P-2	T07P-2
21,25-22,49	C02506-T08P	C02506-T08P	T08P-2	T08P-2
22,50-25,49	C02507-T08P	C03007-T08P	T08P-2	T08P-2
25,50-28,49	C03007-T09P	C03007-T09P	T09P-2	T09P-2
28,50-31,49	C03007-T09P	C03009-T09P	T09P-2	T09P-2
31,50-40,49	C03508-T15P	C03508-T15P	T15P-2D	T15P-2D
40,50-43,24	C03508-T15P	C05012-T15P	T15P-2D	T15P-2D
43,25-59,00	C04011-T15P	C05012-T15P	T15P-2D	T15P-2D

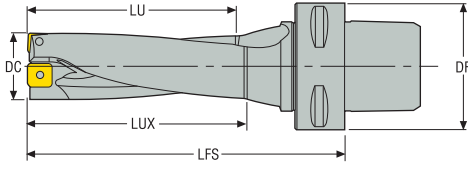
Aksesuarlar

Şu matkap çapı için (mm)	Tork anahtarı*	Yedek çubuk	Tork değeri
			
15,00-17,45	T00-07P09	T00-07P	0,9 Nm
17,46-19,49	T00-07P09	T00-07P	0,9 Nm
19,50-21,24	T00-07P09	T00-07P	0,9 Nm
21,25-22,49	T00-08P12	T00-08P	1,2 Nm
22,50-25,49	T00-08P12	T00-08P	1,2 Nm
25,50-28,49	T00-09P20	T00-09P	2,0 Nm
28,50-31,49	T00-09P20	T00-09P	2,0 Nm
31,50-40,49	T00-15P30	T00-15P	3,0 Nm
40,50-43,24	T00-15P30	T00-15P	3,0 Nm
43,25-59,00	T00-15P30	T00-15P	3,0 Nm

*Çubuk dahil.

SD523

Delme derinliği ~ 3 x D – Metrik





- Seco-Capto™ C6 sap
- İçten soğutma sıvısı
- Uç bilgileri için, bakınız sayfa 297-303
- Kesme verileri için, bakınız sayfa 306-307
- Ara çaplar için lütfen MyDesign programına bakınız



Ürün Tanımı	Ürün numarası	DC	LU	LUX	LFS	DF	Uç		Radyal ayar	
							Merkez uç	Çevre uç	mm - İnç -	mm + İnç +
SD523-15-45-C6	03080971	15,0 0.591	45,0 1.772	50,0 1.969	84,0 3.307	63,0 2.480	SPGX0502	SCGX050204	0,22 0.009	0,31 0.012
SD523-15.5-47-C6	03080972	15,5 0.610	47,0 1.850	52,0 2.047	86,0 3.386	63,0 2.480	SPGX0502	SCGX050204	0,17 0.007	0,36 0.014
SD523-16-48-C6	03080973	16,0 0.630	48,0 1.890	53,0 2.087	88,0 3.465	63,0 2.480	SPGX0502	SCGX050204	0,12 0.005	0,41 0.016
SD523-16.5-50-C6	03080974	16,5 0.650	50,0 1.969	55,0 2.165	90,0 3.543	63,0 2.480	SPGX0502	SCGX050204	0,07 0.003	0,46 0.018
SD523-17-51-C6	03080975	17,0 0.669	51,0 2.008	56,0 2.205	91,0 3.583	63,0 2.480	SPGX0502	SCGX050204	0,02 0.001	0,5 0.020
SD523-17.5-53-C6	03080976	17,5 0.689	53,0 2.087	58,0 2.283	94,0 3.701	63,0 2.480	SPGX0602	SCGX050204	0,43 0.017	0,1 0.004
SD523-18-54-C6	03080977	18,0 0.709	54,0 2.126	59,0 2.323	95,0 3.740	63,0 2.480	SPGX0602	SCGX050204	0,32 0.013	0,21 0.008
SD523-18.5-56-C6	03080978	18,5 0.728	56,0 2.205	61,0 2.402	97,0 3.819	63,0 2.480	SPGX0602	SCGX050204	0,22 0.009	0,31 0.012
SD523-19-57-C6	03080979	19,0 0.748	57,0 2.244	62,0 2.441	98,0 3.858	63,0 2.480	SPGX0602	SCGX050204	0,11 0.004	0,42 0.017
SD523-20-60-C6	03080980	20,0 0.787	60,0 2.362	65,0 2.559	103,0 4.055	63,0 2.480	SPGX0602	SCGX060204	0,07 0.003	0,46 0.018
SD523-20.62-62-C6	03081011	20,62 0.812	62,0 2.441	67,0 2.638	105,0 4.134	63,0 2.480	SPGX0602	SCGX060204	0,03 0.001	0,5 0.020
SD523-21-63-C6	03080981	21,0 0.827	63,0 2.480	68,0 2.677	106,0 4.173	63,0 2.480	SPGX0602	SCGX060204	0,01 0	0,5 0.020
SD523-22-66-C6	03080982	22,0 0.866	66,0 2.598	71,0 2.795	109,0 4.291	63,0 2.480	SPGX0703	SCGX060204	0,44 0.017	0,46 0.018
SD523-22.23-67-C6	03081012	22,23 0.875	67,0 2.638	72,0 2.835	110,0 4.331	63,0 2.480	SPGX0703	SCGX060204	0,39 0.015	0,5 0.020
SD523-23-69-C6	03080983	23,0 0.906	69,0 2.717	74,0 2.913	113,0 4.449	63,0 2.480	SPGX0703	SCGX070308	0,33 0.013	0,5 0.020
SD523-24-72-C6	03080984	24,0 0.945	72,0 2.835	77,0 3.031	117,0 4.606	63,0 2.480	SPGX0703	SCGX070308	0,11 0.004	0,5 0.020
SD523-25-75-C6	03080985	25,0 0.984	75,0 2.953	80,0 3.150	121,0 4.764	63,0 2.480	SPGX0703	SCGX070308	0,11 0.004	0,5 0.020
SD523-25.4-77-C6	03081013	25,4 1.000	77,0 3.031	82,0 3.228	123,0 4.843	63,0 2.480	SPGX0703	SCGX070308	0,11 0.004	0,5 0.020
SD523-26-78-C6	03080986	26,0 1.024	78,0 3.071	83,0 3.268	124,0 4.882	63,0 2.480	SPGX0903	SCGX070308	0,5 0.020	0,11 0.004
SD523-27-81-C6	03080987	27,0 1.063	81,0 3.189	86,0 3.386	127,0 5.000	63,0 2.480	SPGX0903	SCGX070308	0,5 0.020	0,26 0.010
SD523-28-84-C6	03080988	28,0 1.102	84,0 3.307	89,0 3.504	131,0 5.157	63,0 2.480	SPGX0903	SCGX070308	0,28 0.011	0,5 0.020

Ürün Tanımı	Ürün numarası	DC	LU	LUX	LFS	DF	Uç		Radyal ayar	
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	Merkez uç	Çevre uç	mm - İnç -	mm + İnç +
SD523-28.59-86-C6	03081014	28,59 1.126	86,0 3.386	91,0 3.583	133,0 5.236	63,0 2.480	SPGX0903	SCGX09T308	0,21 0.008	0,5 0.020
SD523-29-87-C6	03080989	29,0 1.142	87,0 3.425	92,0 3.622	134,0 5.276	63,0 2.480	SPGX0903	SCGX09T308	0,18 0.007	0,5 0.020
SD523-30-90-C6	03080990	30,0 1.181	90,0 3.543	95,0 3.740	137,0 5.394	63,0 2.480	SPGX0903	SCGX09T308	0,12 0.005	0,5 0.020
SD523-31-93-C6	03080991	31,0 1.220	93,0 3.661	98,0 3.858	140,0 5.512	63,0 2.480	SPGX0903	SCGX09T308	0,12 0.005	0,5 0.020
SD523-31.75-96-C6	03081015	31,75 1.250	96,0 3.780	101,0 3.976	144,0 5.669	63,0 2.480	SPGX11T3	SCGX09T308	0,5 0.020	0,28 0.011
SD523-32-96-C6	03080992	32,0 1.260	96,0 3.780	101,0 3.976	144,0 5.669	63,0 2.480	SPGX11T3	SCGX09T308	0,5 0.020	0,31 0.012
SD523-33-99-C6	03080993	33,0 1.299	99,0 3.898	104,0 4.094	147,0 5.787	63,0 2.480	SPGX11T3	SCGX09T308	0,5 0.020	0,46 0.018
SD523-34-102-C6	03080994	34,0 1.339	102,0 4.016	107,0 4.213	150,0 5.906	63,0 2.480	SPGX11T3	SCGX09T308	0,22 0.009	0,5 0.020
SD523-35-105-C6	03080995	35,0 1.378	105,0 4.134	110,0 4.331	153,0 6.024	63,0 2.480	SPGX11T3	SCGX11T308	0,22 0.009	0,5 0.020
SD523-36-108-C6	03080996	36,0 1.417	108,0 4.252	113,0 4.449	156,0 6.142	63,0 2.480	SPGX11T3	SCGX11T308	0,09 0.004	0,5 0.020
SD523-37-111-C6	03080997	37,0 1.457	111,0 4.370	116,0 4.567	159,0 6.260	63,0 2.480	SPGX11T3	SCGX11T308	0,09 0.004	0,5 0.020
SD523-38-114-C6	03080998	38,0 1.496	114,0 4.488	119,0 4.685	162,0 6.378	63,0 2.480	SPGX12T3	SCGX11T308	0,5 0.020	0,5 0.020
SD523-39-117-C6	03080999	39,0 1.535	117,0 4.606	122,0 4.803	165,0 6.496	63,0 2.480	SPGX12T3	SCGX11T308	0,39 0.015	0,5 0.020
SD523-40-120-C6	03081000	40,0 1.575	120,0 4.724	125,0 4.921	168,0 6.614	63,0 2.480	SPGX12T3	SCGX11T308	0,19 0.007	0,5 0.020

Yedek parçalar

Şu matkap çapı için (mm)	Uç vidası		Uç anahtarı
			
	Merkez uç	Çevre uç	
15,00-17,45	C02245-T07P	C02245-T07P	T07P-2
17,46-19,49	C02205-T07P	C02245-T07P	T07P-2
19,50-21,24	C02205-T07P	C02205-T07P	T07P-2
21,25-22,49	C02506-T08P	C02506-T08P	T08P-2
22,50-25,49	C02507-T08P	C03007-T08P	T08P-2
25,50-28,49	C03007-T09P	C03007-T09P	T09P-2
28,50-31,49	C03007-T09P	C03009-T09P	T09P-2
31,50-40,49	C03508-T15P	C03508-T15P	T15P-2D
40,50-43,24	C03508-T15P	C05012-T15P	T15P-2D
43,25-59,00	C04011-T15P	C05012-T15P	T15P-2D

Aksesuarlar

Şu matkap çapı için (mm)	Tork anahtarı*	Yedek çubuk	Tork değeri
			
15,00-17,45	T00-07P09	T00-07P	0,9 Nm
17,46-19,49	T00-07P09	T00-07P	0,9 Nm
19,50-21,24	T00-07P09	T00-07P	0,9 Nm
21,25-22,49	T00-08P12	T00-08P	1,2 Nm
22,50-25,49	T00-08P12	T00-08P	1,2 Nm
25,50-28,49	T00-09P20	T00-09P	2,0 Nm
28,50-31,49	T00-09P20	T00-09P	2,0 Nm
31,50-40,49	T00-15P30	T00-15P	3,0 Nm
40,50-43,24	T00-15P30	T00-15P	3,0 Nm
43,25-59,00	T00-15P30	T00-15P	3,0 Nm

*Çubuk dahil.

Giriş

Delme

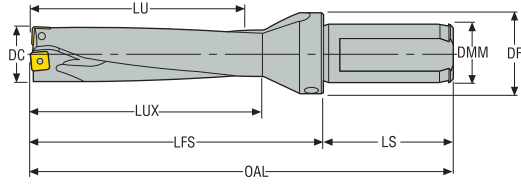
Raybalama

Baralama

Ek

SD524

Delme derinliği ~ 4 x D – Metrik



- ISO 9766 sap, -7
- İçten soğutma sıvısı
- Uç bilgileri için, bakınız sayfa 297-303
- Kesme verileri için, bakınız sayfa 308, 309
- Ara çaplar için lütfen MyDesign programına bakınız

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	LFS	LS	DMM	DF	Uç	
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	Merkez uç	Çevre uç
SD524-17-68-25R7	03080330	17,0 0.669	68,0 2.677	154,0 6.063	73,0 2.874	98,0 3.858	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0502	SCGX050204
SD524-17.5-70-25R7	03080326	17,5 0.689	70,0 2.756	156,0 6.142	75,0 2.953	100,0 3.937	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0602	SCGX050204
SD524-18-72-25R7	03080333	18,0 0.709	72,0 2.835	158,0 6.220	77,0 3.031	102,0 4.016	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0602	SCGX050204
SD524-18.5-74-25R7	03080331	18,5 0.728	74,0 2.913	160,0 6.299	79,0 3.110	104,0 4.094	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0602	SCGX050204
SD524-19-76-25R7	03080336	19,0 0.748	76,0 2.992	162,0 6.378	81,0 3.189	106,0 4.173	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0602	SCGX050204
SD524-20-80-25R7	03080340	20,0 0.787	80,0 3.150	166,0 6.535	85,0 3.346	110,0 4.331	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0602	SCGX060204
SD524-21-84-25R7	03080344	21,0 0.827	84,0 3.307	170,0 6.693	89,0 3.504	114,0 4.488	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0602	SCGX060204
SD524-22-88-25R7	03080348	22,0 0.866	88,0 3.465	174,0 6.850	93,0 3.661	118,0 4.646	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0703	SCGX060204
SD524-23-92-25R7	03080351	23,0 0.906	92,0 3.622	178,0 7.008	97,0 3.819	122,0 4.803	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0703	SCGX070308
SD524-24-96-25R7	03080352	24,0 0.945	96,0 3.780	182,0 7.165	101,0 3.976	126,0 4.961	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0703	SCGX070308
SD524-25-100-32R7	03080353	25,0 0.984	100,0 3.937	190,0 7.480	105,0 4.134	130,0 5.118	60,0 2.362	32,0 1.260	42,0 1.654	SPGX0703	SCGX070308
SD524-26-104-32R7	03080354	26,0 1.024	104,0 4.094	194,0 7.638	109,0 4.291	134,0 5.276	60,0 2.362	32,0 1.260	42,0 1.654	SPGX0903	SCGX070308
SD524-27-108-32R7	03080355	27,0 1.063	108,0 4.252	198,0 7.795	113,0 4.449	138,0 5.433	60,0 2.362	32,0 1.260	42,0 1.654	SPGX0903	SCGX070308
SD524-28-112-32R7	03080356	28,0 1.102	112,0 4.409	202,0 7.953	117,0 4.606	142,0 5.591	60,0 2.362	32,0 1.260	42,0 1.654	SPGX0903	SCGX070308
SD524-29-116-32R7	03080357	29,0 1.142	116,0 4.567	206,0 8.110	121,0 4.764	146,0 5.748	60,0 2.362	32,0 1.260	42,0 1.654	SPGX0903	SCGX09T308
SD524-30-120-32R7	03080358	30,0 1.181	120,0 4.724	210,0 8.268	125,0 4.921	150,0 5.906	60,0 2.362	32,0 1.260	42,0 1.654	SPGX0903	SCGX09T308
SD524-31-124-32R7	03080360	31,0 1.220	124,0 4.882	214,0 8.425	129,0 5.079	154,0 6.063	60,0 2.362	32,0 1.260	42,0 1.654	SPGX0903	SCGX09T308
SD524-32-128-40R7	03080361	32,0 1.260	128,0 5.039	226,0 8.898	133,0 5.236	158,0 6.220	68,0 2.677	40,0 1.575	50,0 1.969	SPGX11T3	SCGX09T308
SD524-33-132-40R7	03080362	33,0 1.299	132,0 5.197	230,0 9.055	137,0 5.394	162,0 6.378	68,0 2.677	40,0 1.575	50,0 1.969	SPGX11T3	SCGX09T308
SD524-34-136-40R7	03080363	34,0 1.339	136,0 5.354	234,0 9.213	141,0 5.551	166,0 6.535	68,0 2.677	40,0 1.575	50,0 1.969	SPGX11T3	SCGX09T308
SD524-35-140-40R7	03080364	35,0 1.378	140,0 5.512	238,0 9.370	145,0 5.709	170,0 6.693	68,0 2.677	40,0 1.575	50,0 1.969	SPGX11T3	SCGX11T308
SD524-36-144-40R7	03080365	36,0 1.417	144,0 5.669	242,0 9.528	149,0 5.866	174,0 6.850	68,0 2.677	40,0 1.575	50,0 1.969	SPGX11T3	SCGX11T308

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	LFS	LS	DMM	DF	Uç	
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	Merkez uç
SD524-37-148-40R7	03080366	37,0 1.457	148,0 5.827	246,0 9.685	153,0 6.024	178,0 7.008	68,0 2.677	40,0 1.575	50,0 1.969	SPGX11T3	SCGX11T308
SD524-38-152-40R7	03080367	38,0 1.496	152,0 5.984	250,0 9.843	157,0 6.181	182,0 7.165	68,0 2.677	40,0 1.575	50,0 1.969	SPGX12T3	SCGX11T308
SD524-39-156-40R7	03080368	39,0 1.535	156,0 6.142	254,0 10.000	161,0 6.339	186,0 7.323	68,0 2.677	40,0 1.575	50,0 1.969	SPGX12T3	SCGX11T308
SD524-40-160-40R7	03080369	40,0 1.575	160,0 6.299	258,0 10.157	165,0 6.496	190,0 7.480	68,0 2.677	40,0 1.575	50,0 1.969	SPGX12T3	SCGX11T308
SD524-41-164-40R7	03080370	41,0 1.614	164,0 6.457	262,0 10.315	169,0 6.654	194,0 7.638	68,0 2.677	40,0 1.575	50,0 1.969	SPGX12T3	SCGX120408
SD524-42-168-40R7	03080371	42,0 1.654	168,0 6.614	266,0 10.472	173,0 6.811	198,0 7.795	68,0 2.677	40,0 1.575	50,0 1.969	SPGX12T3	SCGX120408
SD524-43-172-40R7	03080372	43,0 1.693	172,0 6.772	270,0 10.630	177,0 6.969	202,0 7.953	68,0 2.677	40,0 1.575	50,0 1.969	SPGX12T3	SCGX120408
SD524-44-176-40R7	03080373	44,0 1.732	176,0 6.929	274,0 10.787	181,0 7.126	206,0 8.110	68,0 2.677	40,0 1.575	50,0 1.969	SPGX1504	SCGX120408
SD524-45-180-40R7	03080374	45,0 1.772	180,0 7.087	278,0 10.945	185,0 7.283	210,0 8.268	68,0 2.677	40,0 1.575	50,0 1.969	SPGX1504	SCGX150512
SD524-46-184-40R7	03080375	46,0 1.811	184,0 7.244	282,0 11.102	189,0 7.441	214,0 8.425	68,0 2.677	40,0 1.575	50,0 1.969	SPGX1504	SCGX150512
SD524-47-188-40R7	03080376	47,0 1.850	188,0 7.402	286,0 11.260	193,0 7.598	218,0 8.583	68,0 2.677	40,0 1.575	50,0 1.969	SPGX1504	SCGX150512
SD524-48-192-40R7	03080377	48,0 1.890	192,0 7.559	290,0 11.417	197,0 7.756	222,0 8.740	68,0 2.677	40,0 1.575	59,35 2.337	SPGX1504	SCGX150512
SD524-49-196-40R7	03080378	49,0 1.929	196,0 7.717	294,0 11.575	201,0 7.913	226,0 8.898	68,0 2.677	40,0 1.575	59,35 2.337	SPGX1504	SCGX150512
SD524-50-200-40R7	03080379	50,0 1.969	200,0 7.874	298,0 11.732	205,0 8.071	230,0 9.055	68,0 2.677	40,0 1.575	59,35 2.337	SPGX1504	SCGX150512
SD524-51-204-40R7	03080380	51,0 2.008	204,0 8.031	302,0 11.890	209,0 8.228	234,0 9.213	68,0 2.677	40,0 1.575	59,35 2.337	SPGX1504	SCGX150512
SD524-52-208-40R7	03080381	52,0 2.047	208,0 8.189	306,0 12.047	213,0 8.386	238,0 9.370	68,0 2.677	40,0 1.575	59,35 2.337	SPGX1904	SCGX150512
SD524-53-212-40R7	03080382	53,0 2.087	212,0 8.346	310,0 12.205	217,0 8.543	242,0 9.528	68,0 2.677	40,0 1.575	59,35 2.337	SPGX1904	SCGX150512
SD524-54-216-40R7	03080383	54,0 2.126	216,0 8.504	314,0 12.362	221,0 8.701	246,0 9.685	68,0 2.677	40,0 1.575	59,35 2.337	SPGX1904	SCGX150512
SD524-55-220-40R7	03080384	55,0 2.165	220,0 8.661	318,0 12.520	225,0 8.858	250,0 9.843	68,0 2.677	40,0 1.575	59,35 2.337	SPGX1904	SCGX150512
SD524-56-224-40R7	03080385	56,0 2.205	224,0 8.819	322,0 12.677	229,0 9.016	254,0 10.000	68,0 2.677	40,0 1.575	59,35 2.337	SPGX1904	SCGX150512
SD524-57-228-40R7	03080386	57,0 2.244	228,0 8.976	326,0 12.835	233,0 9.173	258,0 10.157	68,0 2.677	40,0 1.575	59,35 2.337	SPGX1904	SCGX150512
SD524-58-232-40R7	03080387	58,0 2.283	232,0 9.134	330,0 12.992	237,0 9.331	262,0 10.315	68,0 2.677	40,0 1.575	63,0 2.480	SPGX1904	SCGX150512
SD524-59-236-40R7	03080388	59,0 2.323	236,0 9.291	334,0 13.150	241,0 9.488	266,0 10.472	68,0 2.677	40,0 1.575	63,0 2.480	SPGX1904	SCGX150512

Yedek parçalar

Şu matkap çapı için (mm)	Uç vidası		Uç anahtarı
	Merkez uç	Çevre uç	
15,00-17,45	C02245-T07P	C02245-T07P	T07P-2
17,46-19,49	C02205-T07P	C02245-T07P	T07P-2
19,50-21,24	C02205-T07P	C02205-T07P	T07P-2
21,25-22,49	C02506-T08P	C02506-T08P	T08P-2
22,50-25,49	C02507-T08P	C03007-T08P	T08P-2
25,50-28,49	C03007-T09P	C03007-T09P	T09P-2
28,50-31,49	C03007-T09P	C03009-T09P	T09P-2
31,50-40,49	C03508-T15P	C03508-T15P	T15P-2D
40,50-43,24	C03508-T15P	C05012-T15P	T15P-2D
43,25-59,00	C04011-T15P	C05012-T15P	T15P-2D

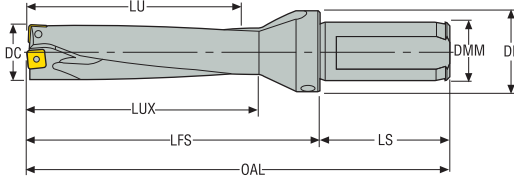
Aksesuarlar

Şu matkap çapı için (mm)	Tork anahtarı*	Yedek çubuk	Tork değeri
15,00-17,45	T00-07P09	T00-07P	0,9 Nm
17,46-19,49	T00-07P09	T00-07P	0,9 Nm
19,50-21,24	T00-07P09	T00-07P	0,9 Nm
21,25-22,49	T00-08P12	T00-08P	1,2 Nm
22,50-25,49	T00-08P12	T00-08P	1,2 Nm
25,50-28,49	T00-09P20	T00-09P	2,0 Nm
28,50-31,49	T00-09P20	T00-09P	2,0 Nm
31,50-40,49	T00-15P30	T00-15P	3,0 Nm
40,50-43,24	T00-15P30	T00-15P	3,0 Nm
43,25-59,00	T00-15P30	T00-15P	3,0 Nm

*Çubuk dahil.

SD524

Delme derinliği ~ 4 x D – İnce






- ISO 9766 sap, R7
- İçten soğutma sıvısı
- Uç bilgileri için, bakınız sayfa 297-303
- Kesme verileri için, bakınız sayfa 308, 309
- Ara çaplar için lütfen MyDesign programına bakınız


Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	LFS	LS	DMM	DF	Uç	
		İnce	İnce	İnce	İnce	İnce	İnce	İnce	İnce	Merkez uç	Çevre uç
SD524-0594-238-1000R7	03080280	0.594	2.380	5.811	2.577	3.561	2.250	1.000	1.378	SPGX0502	SCGX050204
SD524-0625-250-1000R7	03080281	0.625	2.500	5.931	2.697	3.681	2.250	1.000	1.378	SPGX0502	SCGX050204
SD524-0656-262-1000R7	03080283	0.656	2.620	6.051	2.817	3.801	2.250	1.000	1.378	SPGX0502	SCGX050204
SD524-0687-275-1000R7	03080285	0.687	2.750	6.181	2.947	3.931	2.250	1.000	1.378	SPGX0502	SCGX050204
SD524-0709-284-1000R7	03080286	0.709	2.840	6.271	3.037	4.021	2.250	1.000	1.378	SPGX0602	SCGX050204
SD524-0750-300-1000R7	03080288	0.750	3.000	6.431	3.197	4.181	2.250	1.000	1.378	SPGX0602	SCGX050204
SD524-0766-306-1000R7	03080289	0.766	3.060	6.491	3.257	4.241	2.250	1.000	1.378	SPGX0602	SCGX050204
SD524-0787-315-1000R7	03080290	0.787	3.150	6.581	3.347	4.331	2.250	1.000	1.378	SPGX0602	SCGX060204
SD524-0812-325-1000R7	03080292	0.812	3.250	6.681	3.447	4.431	2.250	1.000	1.378	SPGX0602	SCGX060204
SD524-0827-331-1000R7	03080294	0.827	3.310	6.741	3.507	4.491	2.250	1.000	1.378	SPGX0602	SCGX060204
SD524-0875-350-1000R7	03080295	0.875	3.500	6.931	3.697	4.681	2.250	1.000	1.378	SPGX0703	SCGX060204
SD524-0906-362-1000R7	03080297	0.906	3.620	7.051	3.817	4.801	2.250	1.000	1.378	SPGX0703	SCGX070308
SD524-0922-369-1000R7	03080298	0.922	3.690	7.121	3.887	4.871	2.250	1.000	1.378	SPGX0703	SCGX070308
SD524-0937-375-1000R7	03080299	0.937	3.750	7.181	3.947	4.931	2.250	1.000	1.378	SPGX0703	SCGX070308
SD524-0984-394-1250R7	03080301	0.984	3.940	7.496	4.137	5.121	2.375	1.250	1.654	SPGX0703	SCGX070308
SD524-1000-400-1250R7	03080302	1.000	4.000	7.556	4.197	5.181	2.375	1.250	1.654	SPGX0703	SCGX070308
SD524-1032-413-1250R7	03080304	1.032	4.130	7.686	4.327	5.311	2.375	1.250	1.654	SPGX0903	SCGX070308
SD524-1062-425-1250R7	03080305	1.062	4.250	7.806	4.447	5.431	2.375	1.250	1.654	SPGX0903	SCGX070308
SD524-1109-443-1250R7	03080307	1.109	4.430	7.986	4.627	5.611	2.375	1.250	1.654	SPGX0903	SCGX070308
SD524-1125-450-1250R7	03080308	1.125	4.500	8.056	4.697	5.681	2.375	1.250	1.654	SPGX0903	SCGX09T308
SD524-1172-469-1250R7	03080310	1.172	4.690	8.246	4.887	5.871	2.375	1.250	1.654	SPGX0903	SCGX09T308
SD524-1187-475-1250R7	03080311	1.187	4.750	8.306	4.947	5.931	2.375	1.250	1.654	SPGX0903	SCGX09T308
SD524-1250-500-1500R7	03080314	1.250	5.000	8.806	5.197	6.181	2.625	1.500	1.969	SPGX11T3	SCGX09T308
SD524-1312-525-1500R7	03080315	1.312	5.250	9.056	5.447	6.431	2.625	1.500	1.969	SPGX11T3	SCGX09T308
SD524-1344-538-1500R7	03080317	1.344	5.380	9.186	5.577	6.561	2.625	1.500	1.969	SPGX11T3	SCGX09T308
SD524-1375-550-1500R7	03080318	1.375	5.500	9.306	5.697	6.681	2.625	1.500	1.969	SPGX11T3	SCGX11T308
SD524-1437-575-1500R7	03080320	1.437	5.750	9.556	5.947	6.931	2.625	1.500	1.969	SPGX11T3	SCGX11T308
SD524-1500-600-1500R7	03080322	1.500	6.000	9.806	6.197	7.181	2.625	1.500	1.969	SPGX12T3	SCGX11T308
SD524-1562-625-1500R7	03080323	1.562	6.250	10.056	6.447	7.431	2.625	1.500	1.969	SPGX12T3	SCGX11T308
SD524-1625-650-1500R7	03080324	1.625	6.500	10.306	6.697	7.681	2.625	1.500	1.969	SPGX12T3	SCGX120408
SD524-1687-675-1500R7	03080325	1.687	6.750	10.556	6.947	7.931	2.625	1.500	1.969	SPGX12T3	SCGX120408
SD524-1750-700-1500R7	03080328	1.750	7.000	10.806	7.197	8.181	2.625	1.500	1.969	SPGX1504	SCGX120408
SD524-1812-725-1500R7	03080332	1.812	7.250	11.056	7.447	8.431	2.625	1.500	1.969	SPGX1504	SCGX150512
SD524-1875-750-1500R7	03080334	1.875	7.500	11.306	7.697	8.681	2.625	1.500	1.969	SPGX1504	SCGX150512
SD524-1937-775-1500R7	03080335	1.937	7.750	11.556	7.947	8.931	2.625	1.500	2.337	SPGX1504	SCGX150512
SD524-2000-800-1500R7	03080337	2.000	8.000	11.806	8.197	9.181	2.625	1.500	2.337	SPGX1504	SCGX150512

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	LFS	LS	DMM	DF	Uç	
		İnç	İnç	İnç	İnç	İnç	İnç	İnç	İnç	Merkez uç	Çevre uç
SD524-2062-825-1500R7	03080339	2.062	8.250	12.056	8.447	9.431	2.625	1.500	2.337	SPGX1904	SCGX150512
SD524-2125-850-1500R7	03080342	2.125	8.500	12.306	8.697	9.681	2.625	1.500	2.337	SPGX1904	SCGX150512
SD524-2250-900-1500R7	03080346	2.250	9.000	12.806	9.197	10.181	2.625	1.500	2.337	SPGX1904	SCGX150512
SD524-2375-950-1500R7	03080349	2.375	9.500	13.306	9.697	10.681	2.625	1.500	2.480	SPGX1904	SCGX150512

Yedek parçalar

Şu matkap çapı için (inç)	Merkez uç vidası	Çevre Uç vidası	Anahtar
			
0.594-0.687	C02245-T07P	C02245-T07P	T07P-2
0.709-0.766	C02205-T07P	C02245-T07P	T07P-2
0.787-0.827	C02205-T07P	C02205-T07P	T07P-2
0.875-0.905	C02506-T08P	C02506-T08P	T08P-2
0.906-1.000	C02507-T08P	C03007-T08P	T08P-2
1.032-1.109	C03007-T09P	C03007-T09P	T09P-2
1.125-1.187	C03007-T09P	C03009-T09P	T09P-2
1.250-1.562	C03508-T15P	C03508-T15P	T15P-2D
1.625-1.687	C03508-T15P	C05012-T15P	T15P-2D
1.750-2.375	C04011-T15P	C05012-T15P	T15P-2D

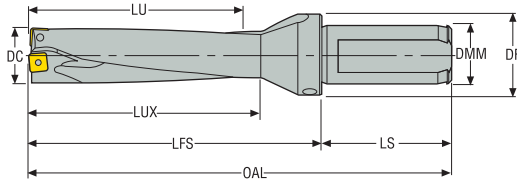
Aksesuarlar

Şu matkap çapı için (inç)	Tork anahtarı
	
0.594-0.687	T00-07P09
0.709-0.766	T00-07P09
0.787-0.827	T00-07P09
0.875-0.905	T00-08P12
0.906-1.000	T00-08P12
1.032-1.109	T00-09P20
1.125-1.187	T00-09P20
1.250-1.562	T00-15P30
1.625-1.687	T00-15P30
1.750-2.375	T00-15P35

Torque wrench including blade.

SD524

Delme derinliği ~ 4 x D – İnc



- ISO 9766 sap, R7-C
- İçten soğutma sıvısı
- Uç bilgileri için, bakınız sayfa 297-303
- Kesme verileri için, bakınız sayfa 308, 309
- Ara çaplar için lütfen MyDesign programına bakınız
- Sabit uygulamalar için

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	LFS	LS	DMM	DF	Uç	
		İnc	İnc	İnc	İnc	İnc	İnc	İnc	İnc	Merkez uç	Çevre uç
SD524-0625-250-1000R7-C	03080282	0.625	2.500	6.628	2.697	3.878	2.750	1.000	1.378	SPGX0502	SCGX050204
SD524-0687-275-1000R7-C	03080284	0.687	2.750	6.878	2.947	4.128	2.750	1.000	1.378	SCGX0502	SCGX050204
SD524-0750-300-1000R7-C	03080287	0.750	3.000	7.128	3.197	4.378	2.750	1.000	1.378	SPGX0602	SCGX050204
SD524-0812-325-1000R7-C	03080293	0.812	3.250	7.378	3.447	4.628	2.750	1.000	1.378	SPGX0602	SCGX060204
SD524-0875-350-1000R7-C	03080296	0.875	3.500	7.628	3.697	4.878	2.750	1.000	1.378	SPGX0703	SCGX060204
SD524-0937-375-1000R7-C	03080300	0.937	3.750	7.878	3.947	5.128	2.750	1.000	1.378	SPGX0703	SCGX070308
SD524-1000-400-1250R7-C	03080303	1.000	4.000	8.128	4.197	5.378	2.750	1.250	1.654	SPGX0703	SCGX070308
SD524-1062-425-1250R7-C	03080306	1.062	4.250	8.378	4.447	5.628	2.750	1.250	1.654	SPGX0903	SCGX070308
SD524-1125-450-1250R7-C	03080309	1.125	4.500	8.628	4.697	5.878	2.750	1.250	1.654	SPGX0903	SCGX09T308
SD524-1187-475-1250R7-C	03080312	1.187	4.750	8.878	4.947	6.128	2.750	1.250	1.654	SPGX0903	SCGX09T308
SD524-1250-500-1500R7-C	03080313	1.250	5.000	9.128	5.197	6.378	2.750	1.500	1.969	SPGX11T3	SCGX09T308
SD524-1312-525-1500R7-C	03080316	1.312	5.250	9.378	5.447	6.628	2.750	1.500	1.969	SPGX11T3	SCGX09T308
SD524-1375-550-1500R7-C	03080319	1.375	5.500	9.628	5.697	6.878	2.750	1.500	1.969	SPGX11T3	SCGX11T308
SD524-1500-600-1500R7-C	03080321	1.500	6.000	10.128	6.197	7.378	2.750	1.500	1.969	SPGX12T3	SCGX11T308
SD524-1750-700-1500R7-C	03080329	1.750	7.000	11.128	7.197	8.378	2.750	1.500	1.969	SPGX1504	SCGX120408
SD524-2000-800-1500R7-C	03080338	2.000	8.000	12.128	8.197	9.378	2.750	1.500	2.337	SPGX1504	SCGX150512
SD524-2125-850-1500R7-C	03080343	2.125	8.500	12.628	8.697	9.878	2.750	1.500	2.337	SPGX1904	SCGX150512
SD524-2250-900-1500R7-C	03080347	2.250	9.000	13.128	9.197	10.378	2.750	1.500	2.337	SPGX1904	SCGX150512
SD524-2375-950-1500R7-C	03080350	2.375	9.500	13.628	9.697	10.878	2.750	1.500	2.480	SPGX1904	SCGX150512

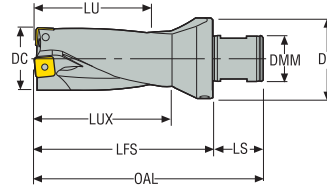
Yedek parçalar

Aksesuarlar

Şu matkap çapı için (İnc)	Hortum adaptörü	Merkez uç vidası	Çevre Uç vidası	Anahtar	Tapa	Tork anahtarı
0.625-0.687	1310	C02245-T07P	C02245-T07P	T07P-2	R1/4	T00-07P09
0.750	1310	C02205-T07P	C02245-T07P	T07P-2	R1/4	T00-07P09
0.812	1310	C02205-T07P	C02205-T07P	T07P-2	R1/4	T00-07P09
0.875	1310	C02506-T08P	C02506-T08P	T08P-2	R1/4	T00-08P12
0.937-1.000	1310	C02507-T08P	C03007-T08P	T08P-2	R1/4	T00-08P12
1.062	1310	C03007-T09P	C03007-T09P	T09P-2	R1/4	T00-09P20
1.125-1.187	1310	C03007-T09P	C03009-T09P	T09P-2	R1/4	T00-09P20
1.250-1.375	1310	C03508-T15P	C03508-T15P	T15P-2D	R1/4	T00-15P30
1.750-2.375	1310	C04011-T15P	C05012-T15P	T15P-2D	R1/4	T00-15P35

SD524

Delme derinliği ~ 4 x D – Metrik



- ABS 50 ile uyumlu sap, -2
- İçten soğutma sıvısı
- Uç bilgileri için, bakınız sayfa 297-303
- Kesme verileri için, bakınız sayfa 308, 309
- Ara çaplar için lütfen MyDesign programına bakınız

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	LFS	LS	DMM	DF	Uç	
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	Merkez uç	Çevre uç
SD524-17-68-50R2	03080208	17,0 0.669	68,0 2.677	129,0 5.079	73,0 2.874	98,0 3.858	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0502	SCGX050204
SD524-17.5-70-50R2	03080327	17,5 0.689	70,0 2.756	131,0 5.157	75,0 2.953	100,0 3.937	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0602	SCGX050204
SD524-18-72-50R2	03080209	18,0 0.709	72,0 2.835	133,0 5.236	77,0 3.031	102,0 4.016	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0602	SCGX050204
SD524-18.5-74-50R2	03080210	18,5 0.728	74,0 2.913	135,0 5.315	79,0 3.110	104,0 4.094	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0602	SCGX050204
SD524-19-76-50R2	03080422	19,0 0.748	76,0 2.992	137,0 5.394	81,0 3.189	106,0 4.173	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0602	SCGX050204
SD524-20-80-50R2	03080341	20,0 0.787	80,0 3.150	141,0 5.551	85,0 3.346	110,0 4.331	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0602	SCGX060204
SD524-20.62-83-50R2	03080215	20,62 0.812	83,0 3.268	144,0 5.669	88,0 3.465	113,0 4.449	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0602	SCGX060204
SD524-21-84-50R2	03080345	21,0 0.827	84,0 3.307	145,0 5.709	89,0 3.504	114,0 4.488	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0602	SCGX060204
SD524-22-88-50R2	03080193	22,0 0.866	88,0 3.465	149,0 5.866	93,0 3.661	118,0 4.646	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0703	SCGX060204
SD524-22.23-89-50R2	03080216	22,23 0.875	89,0 3.504	150,0 5.906	94,0 3.701	119,0 4.685	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0703	SCGX060204
SD524-23-92-50R2	03080194	23,0 0.906	92,0 3.622	153,0 6.024	97,0 3.819	122,0 4.803	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0703	SCGX070308
SD524-24-96-50R2	03080195	24,0 0.945	96,0 3.780	157,0 6.181	101,0 3.976	126,0 4.961	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0703	SCGX070308
SD524-25-100-50R2	03080196	25,0 0.984	100,0 3.937	161,0 6.339	105,0 4.134	130,0 5.118	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0703	SCGX070308
SD524-25.4-102-50R2	03080217	25,4 1.000	102,0 4.016	163,0 6.417	107,0 4.213	132,0 5.197	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0703	SCGX070308
SD524-26-104-50R2	03080423	26,0 1.024	104,0 4.094	165,0 6.496	109,0 4.291	134,0 5.276	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0903	SCGX070308
SD524-27-108-50R2	03080197	27,0 1.063	108,0 4.252	169,0 6.654	113,0 4.449	138,0 5.433	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0903	SCGX070308
SD524-28-112-50R2	03080424	28,0 1.102	112,0 4.409	173,0 6.811	117,0 4.606	142,0 5.591	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0903	SCGX070308
SD524-28.59-115-50R2	03080218	28,59 1.126	115,0 4.528	176,0 6.929	120,0 4.724	145,0 5.709	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0903	SCGX070308
SD524-29-116-50R2	03080198	29,0 1.142	116,0 4.567	177,0 6.969	121,0 4.764	146,0 5.748	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0903	SCGX09T308
SD524-30-120-50R2	03080199	30,0 1.181	120,0 4.724	181,0 7.126	125,0 4.921	150,0 5.906	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0903	SCGX09T308
SD524-31-124-50R2	03080200	31,0 1.220	124,0 4.882	185,0 7.283	129,0 5.079	154,0 6.063	31,0 1.220	28,0 1.102	50,0 1.969	SPGX0903	SCGX09T308
SD524-31.75-127-50R2	03080359	31,75 1.250	127,0 5.000	188,0 7.402	132,0 5.197	157,0 6.181	31,0 1.220	50,0 1.969	50,0 1.969	SPGX11T3	SCGX09T308

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	LFS	LS	DMM	DF	Uç	
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	Merkez uç
SD524-32-128-50R2	03080425	32,0 1.260	128,0 5.039	189,0 7.441	133,0 5.236	158,0 6.220	31,0 1.220	28,0 1.102	50,0 1.969	SPGX11T3	SCGX09T308
SD524-33-132-50R2	03080201	33,0 1.299	132,0 5.197	193,0 7.598	137,0 5.394	162,0 6.378	31,0 1.220	28,0 1.102	50,0 1.969	SPGX11T3	SCGX09T308
SD524-34-136-50R2	03080207	34,0 1.339	136,0 5.354	197,0 7.756	141,0 5.551	166,0 6.535	31,0 1.220	28,0 1.102	50,0 1.969	SPGX11T3	SCGX09T308
SD524-35-140-50R2	03080202	35,0 1.378	140,0 5.512	201,0 7.913	145,0 5.709	170,0 6.693	31,0 1.220	28,0 1.102	50,0 1.969	SPGX11T3	SCGX11T308
SD524-36-144-50R2	03080203	36,0 1.417	144,0 5.669	205,0 8.071	149,0 5.866	174,0 6.850	31,0 1.220	28,0 1.102	50,0 1.969	SPGX11T3	SCGX11T308
SD524-37-148-50R2	03080204	37,0 1.457	148,0 5.827	209,0 8.228	153,0 6.024	178,0 7.008	31,0 1.220	28,0 1.102	50,0 1.969	SPGX11T3	SCGX11T308
SD524-38-152-50R2	03080426	38,0 1.496	152,0 5.984	213,0 8.386	157,0 6.181	182,0 7.165	31,0 1.220	28,0 1.102	50,0 1.969	SPGX12T3	SCGX11T308
SD524-39-156-50R2	03080205	39,0 1.535	156,0 6.142	217,0 8.543	161,0 6.339	186,0 7.323	31,0 1.220	28,0 1.102	50,0 1.969	SPGX12T3	SCGX11T308
SD524-40-160-50R2	03080206	40,0 1.575	160,0 6.299	221,0 8.701	165,0 6.496	190,0 7.480	31,0 1.220	28,0 1.102	50,0 1.969	SPGX12T3	SCGX11T308

Yedek parçalar

Şu matkap çapı için (mm)	Uç vidası		Uç anahtarı	
	Merkez uç	Çevre uç		
15,00-17,45	C02245-T07P	C02245-T07P		T07P-2
17,46-19,49	C02205-T07P	C02245-T07P		T07P-2
19,50-21,24	C02205-T07P	C02205-T07P		T07P-2
21,25-22,49	C02506-T08P	C02506-T08P		T08P-2
22,50-25,49	C02507-T08P	C03007-T08P		T08P-2
25,50-28,49	C03007-T09P	C03007-T09P		T09P-2
28,50-31,49	C03007-T09P	C03009-T09P		T09P-2
31,50-40,49	C03508-T15P	C03508-T15P		T15P-2D
40,50-43,24	C03508-T15P	C05012-T15P		T15P-2D
43,25-59,00	C04011-T15P	C05012-T15P		T15P-2D

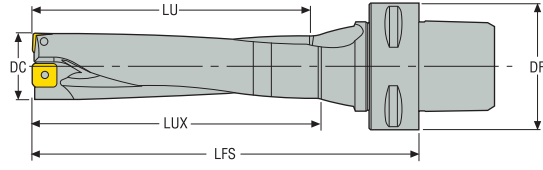
Aksesuarlar

Şu matkap çapı için (mm)	Tork anahtarı*	Yedek çubuk	Tork değeri
	15,00-17,45	T00-07P09	T00-07P
17,46-19,49	T00-07P09	T00-07P	0,9 Nm
19,50-21,24	T00-07P09	T00-07P	0,9 Nm
21,25-22,49	T00-08P12	T00-08P	1,2 Nm
22,50-25,49	T00-08P12	T00-08P	1,2 Nm
25,50-28,49	T00-09P20	T00-09P	2,0 Nm
28,50-31,49	T00-09P20	T00-09P	2,0 Nm
31,50-40,49	T00-15P30	T00-15P	3,0 Nm
40,50-43,24	T00-15P30	T00-15P	3,0 Nm
43,25-59,00	T00-15P30	T00-15P	3,0 Nm

*Çubuk dahil.

SD524

Delme derinliği ~ 4 x D – Metrik



- Seco-Capto™ C4 sap
- İçten soğutma sıvısı
- Uç bilgileri için, bakınız sayfa 297-303
- Kesme verileri için, bakınız sayfa 308, 309
- Ara çaplar için lütfen MyDesign programına bakınız

Ürün Tanımı	Ürün numarası	DC mm İnç	LU mm İnç	LUX mm İnç	LFS mm İnç	DF mm İnç	Uç	
							Merkez uç	Çevre uç
SD524-17-68-C4	03080219	17,0 0.669	68,0 2.677	73,0 2.874	106,0 4.173	40,0 1.575	SPGX0502	SCGX050204
SD524-17.5-70-C4	03080220	17,5 0.689	70,0 2.756	75,0 2.953	109,0 4.291	40,0 1.575	SPGX0602	SCGX050204
SD524-18-72-C4	03080221	18,0 0.709	72,0 2.835	77,0 3.031	111,0 4.370	40,0 1.575	SPGX0602	SCGX050204
SD524-18.5-74-C4	03080222	18,5 0.728	74,0 2.913	79,0 3.110	113,0 4.449	40,0 1.575	SPGX0602	SCGX050204
SD524-19-76-C4	03080223	19,0 0.748	76,0 2.992	81,0 3.189	115,0 4.528	40,0 1.575	SPGX0602	SCGX050204
SD524-20-80-C4	03080224	20,0 0.787	80,0 3.150	85,0 3.346	121,0 4.764	40,0 1.575	SPGX0602	SCGX060204
SD524-20.62-83-C4	03080413	20.62 0.812	83,0 3.268	88,0 3.465	124,0 4.882	40,0 1.575	SPGX0602	SCGX060204
SD524-21-84-C4	03080225	21,0 0.827	84,0 3.307	89,0 3.504	125,0 4.921	40,0 1.575	SPGX0602	SCGX060204
SD524-22-88-C4	03080226	22,0 0.866	88,0 3.465	93,0 3.661	129,0 5.079	40,0 1.575	SPGX0703	SCGX060204
SD524-22.23-89-C4	03080414	22.23 0.875	89,0 3.504	94,0 3.701	130,0 5.118	40,0 1.575	SPGX0703	SCGX060204
SD524-23-92-C4	03080227	23,0 0.906	92,0 3.622	97,0 3.819	134,0 5.276	40,0 1.575	SPGX0703	SCGX070308
SD524-24-96-C4	03080228	24,0 0.945	96,0 3.780	101,0 3.976	139,0 5.472	40,0 1.575	SPGX0703	SCGX070308
SD524-25-100-C4	03080229	25,0 0.984	100,0 3.937	105,0 4.134	144,0 5.669	40,0 1.575	SPGX0703	SCGX070308
SD524-25.4-102-C4	03080415	25.4 1.000	102,0 4.016	107,0 4.213	146,0 5.748	40,0 1.575	SPGX0703	SCGX070308
SD524-26-104-C4	03080230	26,0 1.024	104,0 4.094	109,0 4.291	148,0 5.827	40,0 1.575	SPGX0903	SCGX070308
SD524-27-108-C4	03080231	27,0 1.063	108,0 4.252	113,0 4.449	152,0 5.984	40,0 1.575	SPGX0903	SCGX070308
SD524-28-112-C4	03080232	28,0 1.102	112,0 4.409	117,0 4.606	157,0 6.181	40,0 1.575	SPGX0903	SCGX070308
SD524-28.59-115-C4	03080416	28.59 1.126	115,0 4.528	120,0 4.724	160,0 6.299	40,0 1.575	SPGX0903	SCGX070308
SD524-29-116-C4	03080233	29,0 1.142	116,0 4.567	121,0 4.764	161,0 6.339	40,0 1.575	SPGX0903	SCGX09T308
SD524-30-120-C4	03080234	30,0 1.181	120,0 4.724	125,0 4.921	165,0 6.496	40,0 1.575	SPGX0903	SCGX09T308

Yedek parçalar

Şu matkap çapı için (mm)	Uç vidası		Uç anahtarı
	Merkez uç	Çevre uç	
15,00-17,45	C02245-T07P	C02245-T07P	T07P-2
17,46-19,49	C02205-T07P	C02245-T07P	T07P-2
19,50-21,24	C02205-T07P	C02205-T07P	T07P-2
21,25-22,49	C02506-T08P	C02506-T08P	T08P-2
22,50-25,49	C02507-T08P	C03007-T08P	T08P-2
25,50-28,49	C03007-T09P	C03007-T09P	T09P-2
28,50-31,49	C03007-T09P	C03009-T09P	T09P-2
31,50-40,49	C03508-T15P	C03508-T15P	T15P-2D
40,50-43,24	C03508-T15P	C05012-T15P	T15P-2D
43,25-59,00	C04011-T15P	C05012-T15P	T15P-2D

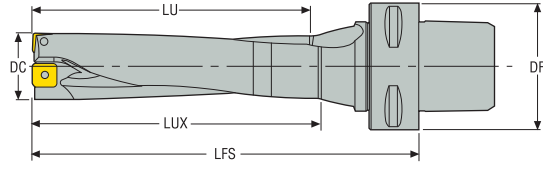
Aksesuarlar

Şu matkap çapı için (mm)	Tork anahtarı*	Yedek çubuk	Tork değeri
	15,00-17,45	T00-07P09	T00-07P
17,46-19,49	T00-07P09	T00-07P	0,9 Nm
19,50-21,24	T00-07P09	T00-07P	0,9 Nm
21,25-22,49	T00-08P12	T00-08P	1,2 Nm
22,50-25,49	T00-08P12	T00-08P	1,2 Nm
25,50-28,49	T00-09P20	T00-09P	2,0 Nm
28,50-31,49	T00-09P20	T00-09P	2,0 Nm
31,50-40,49	T00-15P30	T00-15P	3,0 Nm
40,50-43,24	T00-15P30	T00-15P	3,0 Nm
43,25-59,00	T00-15P30	T00-15P	3,0 Nm

*Çubuk dahil.

SD524

Delme derinliği ~ 4 x D – Metrik



- Seco-Capto™ C5 sap
- İçten soğutma sıvısı
- Uç bilgileri için, bakınız sayfa 297-303
- Kesme verileri için, bakınız sayfa 308, 309
- Ara çaplar için lütfen MyDesign programına bakınız

Ürün Tanımı	Ürün numarası	DC	LU	LUX	LFS	DF	Uç	
							Merkez uç	Çevre uç
SD524-17-68-C5	03080235	17,0 0.669	68,0 2.677	73,0 2.874	106,0 4.173	50,0 1.969	SPGX0502	SCGX050204
SD524-17.5-70-C5	03080237	17,5 0.689	70,0 2.756	75,0 2.953	109,0 4.291	50,0 1.969	SPGX0602	SCGX050204
SD524-18-72-C5	03080238	18,0 0.709	72,0 2.835	77,0 3.031	111,0 4.370	50,0 1.969	SPGX0602	SCGX050204
SD524-18.5-74-C5	03080239	18,5 0.728	74,0 2.913	79,0 3.110	113,0 4.449	50,0 1.969	SPGX0602	SCGX050204
SD524-19-76-C5	03080240	19,0 0.748	76,0 2.992	81,0 3.189	115,0 4.528	50,0 1.969	SPGX0602	SCGX050204
SD524-20-80-C5	03080241	20,0 0.787	80,0 3.150	85,0 3.346	121,0 4.764	50,0 1.969	SPGX0602	SCGX060204
SD524-20.62-83-C5	03080408	20.62 0.812	83,0 3.268	88,0 3.465	124,0 4.882	50,0 1.969	SPGX0602	SCGX060204
SD524-21-84-C5	03080242	21,0 0.827	84,0 3.307	89,0 3.504	125,0 4.921	50,0 1.969	SPGX0602	SCGX060204
SD524-22-88-C5	03080243	22,0 0.866	88,0 3.465	93,0 3.661	129,0 5.079	50,0 1.969	SPGX0703	SCGX060204
SD524-22.23-89-C5	03080409	22.23 0.875	89,0 3.504	94,0 3.701	130,0 5.118	50,0 1.969	SPGX0703	SCGX060204
SD524-23-92-C5	03080244	23,0 0.906	92,0 3.622	97,0 3.819	134,0 5.276	50,0 1.969	SPGX0703	SCGX070308
SD524-24-96-C5	03080245	24,0 0.945	96,0 3.780	101,0 3.976	139,0 5.472	50,0 1.969	SPGX0703	SCGX070308
SD524-25-100-C5	03080246	25,0 0.984	100,0 3.937	105,0 4.134	144,0 5.669	50,0 1.969	SPGX0703	SCGX070308
SD524-25.4-102-C5	03080410	25.4 1.000	102,0 4.016	107,0 4.213	146,0 5.748	50,0 1.969	SPGX0703	SCGX070308
SD524-26-104-C5	03080247	26,0 1.024	104,0 4.094	109,0 4.291	148,0 5.827	50,0 1.969	SPGX0903	SCGX070308
SD524-27-108-C5	03080248	27,0 1.063	108,0 4.252	113,0 4.449	152,0 5.984	50,0 1.969	SPGX0903	SCGX070308
SD524-28-112-C5	03080249	28,0 1.102	112,0 4.409	117,0 4.606	157,0 6.181	50,0 1.969	SPGX0903	SCGX070308
SD524-28.59-115-C5	03080411	28.59 1.126	115,0 4.528	120,0 4.724	160,0 6.299	50,0 1.969	SPGX0903	SCGX070308
SD524-29-116-C5	03080250	29,0 1.142	116,0 4.567	121,0 4.764	161,0 6.339	50,0 1.969	SPGX0903	SCGX09T308
SD524-30-120-C5	03080251	30,0 1.181	120,0 4.724	125,0 4.921	165,0 6.496	50,0 1.969	SPGX0903	SCGX09T308
SD524-31-124-C5	03080252	31,0 1.220	124,0 4.882	129,0 5.079	169,0 6.654	50,0 1.969	SPGX0903	SCGX09T308
SD524-31.75-127-C5	03080412	31.75 1.250	127,0 5.000	132,0 5.197	173,0 6.811	50,0 1.969	SPGX11T3	SCGX09T308

Ürün Tanımı	Ürün numarası	DC	LU	LUX	LFS	DF	Uç	
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	Merkez uç	Çevre uç
SD524-32-128-C5	03080253	32,0 1.260	128,0 5.039	133,0 5.236	174,0 6.850	50,0 1.969	SPGX11T3	SCGX09T308
SD524-33-132-C5	03080254	33,0 1.299	132,0 5.197	137,0 5.394	178,0 7.008	50,0 1.969	SPGX11T3	SCGX09T308
SD524-34-136-C5	03080255	34,0 1.339	136,0 5.354	141,0 5.551	182,0 7.165	50,0 1.969	SPGX11T3	SCGX09T308
SD524-35-140-C5	03080256	35,0 1.378	140,0 5.512	145,0 5.709	186,0 7.323	50,0 1.969	SPGX11T3	SCGX11T308
SD524-36-144-C5	03080257	36,0 1.417	144,0 5.669	149,0 5.866	190,0 7.480	50,0 1.969	SPGX11T3	SCGX11T308
SD524-37-148-C5	03080258	37,0 1.457	148,0 5.827	153,0 6.024	194,0 7.638	50,0 1.969	SPGX11T3	SCGX11T308
SD524-38-152-C5	03080259	38,0 1.496	152,0 5.984	157,0 6.181	198,0 7.795	50,0 1.969	SPGX12T3	SCGX11T308
SD524-39-156-C5	03080260	39,0 1.535	156,0 6.142	161,0 6.339	202,0 7.953	50,0 1.969	SPGX12T3	SCGX11T308
SD524-40-160-C5	03080261	40,0 1.575	160,0 6.299	165,0 6.496	206,0 8.110	50,0 1.969	SPGX12T3	SCGX11T308

Yedek parçalar

Şu matkap çapı için (mm)	Uç vidası		Uç anahtarı
	Merkez uç	Çevre uç	
15,00-17,45	C02245-T07P	C02245-T07P	T07P-2
17,46-19,49	C02205-T07P	C02245-T07P	T07P-2
19,50-21,24	C02205-T07P	C02205-T07P	T07P-2
21,25-22,49	C02506-T08P	C02506-T08P	T08P-2
22,50-25,49	C02507-T08P	C03007-T08P	T08P-2
25,50-28,49	C03007-T09P	C03007-T09P	T09P-2
28,50-31,49	C03007-T09P	C03009-T09P	T09P-2
31,50-40,49	C03508-T15P	C03508-T15P	T15P-2D
40,50-43,24	C03508-T15P	C05012-T15P	T15P-2D
43,25-59,00	C04011-T15P	C05012-T15P	T15P-2D

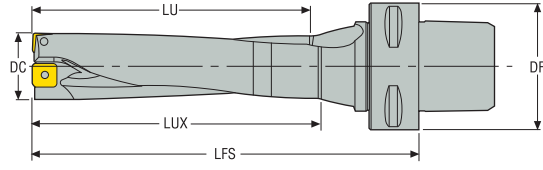
Aksesuarlar

Şu matkap çapı için (mm)	Tork anahtarı*	Yedek çubuk	Tork değeri
	15,00-17,45	T00-07P09	T00-07P
17,46-19,49	T00-07P09	T00-07P	0,9 Nm
19,50-21,24	T00-07P09	T00-07P	0,9 Nm
21,25-22,49	T00-08P12	T00-08P	1,2 Nm
22,50-25,49	T00-08P12	T00-08P	1,2 Nm
25,50-28,49	T00-09P20	T00-09P	2,0 Nm
28,50-31,49	T00-09P20	T00-09P	2,0 Nm
31,50-40,49	T00-15P30	T00-15P	3,0 Nm
40,50-43,24	T00-15P30	T00-15P	3,0 Nm
43,25-59,00	T00-15P30	T00-15P	3,0 Nm

*Çubuk dahil.

SD524

Delme derinliği ~ 4 x D – Metrik



- Seco-Capto™ C6 sap
- İçten soğutma sıvısı
- Uç bilgileri için, bakınız sayfa 297-303
- Kesme verileri için, bakınız sayfa 308, 309
- Ara çaplar için lütfen MyDesign programına bakınız

Ürün Tanımı	Ürün numarası	DC	LU	LUX	LFS	DF	Uç	
							Merkez uç	Çevre uç
SD524-17-68-C6	03080262	17,0 0.669	68,0 2.677	73,0 2.874	108,0 4.252	63,0 2.480	SPGX0502	SCGX050204
SD524-17.5-70-C6	03080263	17,5 0.689	70,0 2.756	75,0 2.953	111,0 4.370	63,0 2.480	SPGX0602	SCGX050204
SD524-18-72-C6	03080265	18,0 0.709	72,0 2.835	77,0 3.031	113,0 4.449	63,0 2.480	SPGX0602	SCGX050204
SD524-18.5-74-C6	03080266	18,5 0.728	74,0 2.913	79,0 3.110	115,0 4.528	63,0 2.480	SPGX0602	SCGX050204
SD524-19-76-C6	03080267	19,0 0.748	76,0 2.992	81,0 3.189	117,0 4.606	63,0 2.480	SPGX0602	SCGX050204
SD524-20-80-C6	03080268	20,0 0.787	80,0 3.150	85,0 3.346	123,0 4.843	63,0 2.480	SPGX0602	SCGX060204
SD524-20.62-83-C6	03080417	20,62 0.812	83,0 3.268	88,0 3.465	126,0 4.961	63,0 2.480	SPGX0602	SCGX060204
SD524-21-84-C6	03080269	21,0 0.827	84,0 3.307	89,0 3.504	127,0 5.000	63,0 2.480	SPGX0602	SCGX060204
SD524-22-88-C6	03080270	22,0 0.866	88,0 3.465	93,0 3.661	131,0 5.157	63,0 2.480	SPGX0703	SCGX060204
SD524-22.23-89-C6	03080418	22,23 0.875	89,0 3.504	94,0 3.701	132,0 5.197	63,0 2.480	SPGX0703	SCGX060204
SD524-23-92-C6	03080271	23,0 0.906	92,0 3.622	97,0 3.819	136,0 5.354	63,0 2.480	SPGX0703	SCGX070308
SD524-24-96-C6	03080272	24,0 0.945	96,0 3.780	101,0 3.976	141,0 5.551	63,0 2.480	SPGX0703	SCGX070308
SD524-25-100-C6	03080392	25,0 0.984	100,0 3.937	105,0 4.134	146,0 5.748	63,0 2.480	SPGX0703	SCGX070308
SD524-25.4-102-C6	03080419	25,4 1.000	102,0 4.016	107,0 4.213	148,0 5.827	63,0 2.480	SPGX0703	SCGX070308
SD524-26-104-C6	03080393	26,0 1.024	104,0 4.094	109,0 4.291	150,0 5.906	63,0 2.480	SPGX0903	SCGX070308
SD524-27-108-C6	03080394	27,0 1.063	108,0 4.252	113,0 4.449	154,0 6.063	63,0 2.480	SPGX0903	SCGX070308
SD524-28-112-C6	03080395	28,0 1.102	112,0 4.409	117,0 4.606	159,0 6.260	63,0 2.480	SPGX0903	SCGX070308
SD524-28.59-115-C6	03080420	28,59 1.126	115,0 4.528	120,0 4.724	162,0 6.378	63,0 2.480	SPGX0903	SCGX070308
SD524-29-116-C6	03080396	29,0 1.142	116,0 4.567	121,0 4.764	163,0 6.417	63,0 2.480	SPGX0903	SCGX09T308
SD524-30-120-C6	03080397	30,0 1.181	120,0 4.724	125,0 4.921	167,0 6.575	63,0 2.480	SPGX0903	SCGX09T308
SD524-31-124-C6	03080398	31,0 1.220	124,0 4.882	129,0 5.079	171,0 6.732	63,0 2.480	SPGX0903	SCGX09T308
SD524-31.75-127-C6	03080421	31,75 1.250	127,0 5.000	132,0 5.197	175,0 6.890	63,0 2.480	SPGX0903	SCGX09T308

Ürün Tanımı	Ürün numarası	DC	LU	LUX	LFS	DF	Uç	
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	Merkez uç	Çevre uç
SD524-32-128-C6	03080399	32,0 1.260	128,0 5.039	133,0 5.236	176,0 6.929	63,0 2.480	SPGX11T3	SCGX09T308
SD524-33-132-C6	03080400	33,0 1.299	132,0 5.197	137,0 5.394	180,0 7.087	63,0 2.480	SPGX11T3	SCGX09T308
SD524-34-136-C6	03080401	34,0 1.339	136,0 5.354	141,0 5.551	184,0 7.244	63,0 2.480	SPGX11T3	SCGX09T308
SD524-35-140-C6	03080402	35,0 1.378	140,0 5.512	145,0 5.709	188,0 7.402	63,0 2.480	SPGX11T3	SCGX11T308
SD524-36-144-C6	03080403	36,0 1.417	144,0 5.669	149,0 5.866	192,0 7.559	63,0 2.480	SPGX11T3	SCGX11T308
SD524-37-148-C6	03080404	37,0 1.457	148,0 5.827	153,0 6.024	196,0 7.717	63,0 2.480	SPGX11T3	SCGX11T308
SD524-38-152-C6	03080405	38,0 1.496	152,0 5.984	157,0 6.181	200,0 7.874	63,0 2.480	SPGX12T3	SCGX11T308
SD524-39-156-C6	03080406	39,0 1.535	156,0 6.142	161,0 6.339	204,0 8.031	63,0 2.480	SPGX12T3	SCGX11T308
SD524-40-160-C6	03080407	40,0 1.575	160,0 6.299	165,0 6.496	208,0 8.189	63,0 2.480	SPGX12T3	SCGX11T308

Yedek parçalar

Şu matkap çapı için (mm)	Uç vidası		Uç anahtarı
	Merkez uç	Çevre uç	
15,00-17,45	C02245-T07P	C02245-T07P	T07P-2
17,46-19,49	C02205-T07P	C02245-T07P	T07P-2
19,50-21,24	C02205-T07P	C02205-T07P	T07P-2
21,25-22,49	C02506-T08P	C02506-T08P	T08P-2
22,50-25,49	C02507-T08P	C03007-T08P	T08P-2
25,50-28,49	C03007-T09P	C03007-T09P	T09P-2
28,50-31,49	C03007-T09P	C03009-T09P	T09P-2
31,50-40,49	C03508-T15P	C03508-T15P	T15P-2D
40,50-43,24	C03508-T15P	C05012-T15P	T15P-2D
43,25-59,00	C04011-T15P	C05012-T15P	T15P-2D

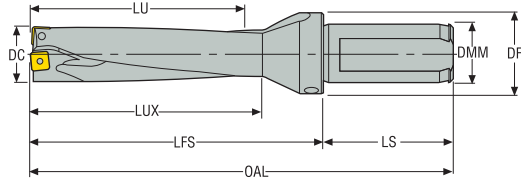
Aksesuarlar

Şu matkap çapı için (mm)	Tork anahtarı*	Yedek çubuk	Tork değeri
	15,00-17,45	T00-07P09	T00-07P
17,46-19,49	T00-07P09	T00-07P	0,9 Nm
19,50-21,24	T00-07P09	T00-07P	0,9 Nm
21,25-22,49	T00-08P12	T00-08P	1,2 Nm
22,50-25,49	T00-08P12	T00-08P	1,2 Nm
25,50-28,49	T00-09P20	T00-09P	2,0 Nm
28,50-31,49	T00-09P20	T00-09P	2,0 Nm
31,50-40,49	T00-15P30	T00-15P	3,0 Nm
40,50-43,24	T00-15P30	T00-15P	3,0 Nm
43,25-59,00	T00-15P30	T00-15P	3,0 Nm

*Çubuk dahil.

SD525

Delme derinliği ~ 5 x D – Metrik



- ISO 9766 sap, -7
- İçten soğutma sıvısı
- Uç bilgileri için, bakınız sayfa 297-303
- Kesme verileri için, bakınız sayfa 310, 311
- Ara çaplar için lütfen MyDesign programına bakınız

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	LFS	LS	DMM	DF	Uç	
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	Merkez uç	Çevre uç
SD525-19-95-25R7	03079580	19,0 0.748	95,0 3.740	181,0 7.126	100,0 3.937	125,0 4.921	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0602	SCGX050204
SD525-20-100-25R7	03079582	20,0 0.787	100,0 3.937	186,0 7.323	105,0 4.134	130,0 5.118	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0602	SCGX060204
SD525-21-105-25R7	03079583	21,0 0.827	105,0 4.134	191,0 7.520	110,0 4.331	135,0 5.315	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0602	SCGX060204
SD525-22-110-25R7	03079584	22,0 0.866	110,0 4.331	196,0 7.717	115,0 4.528	140,0 5.512	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0703	SCGX060204
SD525-23-115-25R7	03079585	23,0 0.906	115,0 4.528	201,0 7.913	120,0 4.724	145,0 5.709	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0703	SCGX070308
SD525-24-120-25R7	03079586	24,0 0.945	120,0 4.724	206,0 8.110	125,0 4.921	150,0 5.906	56,0 2.205	25,0 0.984	35,0 1.378	SPGX0703	SCGX070308
SD525-25-125-32R7	03079587	25,0 0.984	125,0 4.921	215,0 8.465	130,0 5.118	155,0 6.102	60,0 2.362	32,0 1.260	42,0 1.654	SPGX0703	SCGX070308
SD525-26-130-32R7	03079588	26,0 1.024	130,0 5.118	220,0 8.661	135,0 5.315	160,0 6.299	60,0 2.362	32,0 1.260	42,0 1.654	SPGX0903	SCGX070308
SD525-27-135-32R7	03079589	27,0 1.063	135,0 5.315	225,0 8.858	140,0 5.512	165,0 6.496	60,0 2.362	32,0 1.260	42,0 1.654	SPGX0903	SCGX070308
SD525-28-140-32R7	03079590	28,0 1.102	140,0 5.512	230,0 9.055	145,0 5.709	170,0 6.693	60,0 2.362	32,0 1.260	42,0 1.654	SPGX0903	SCGX070308
SD525-29-145-32R7	03079591	29,0 1.142	145,0 5.709	235,0 9.252	150,0 5.906	175,0 6.890	60,0 2.362	32,0 1.260	42,0 1.654	SPGX0903	SCGX09T308
SD525-30-150-32R7	03079592	30,0 1.181	150,0 5.906	240,0 9.449	155,0 6.102	180,0 7.087	60,0 2.362	32,0 1.260	42,0 1.654	SPGX0903	SCGX09T308
SD525-31-155-32R7	03079593	31,0 1.220	155,0 6.102	245,0 9.646	160,0 6.299	185,0 7.283	60,0 2.362	32,0 1.260	42,0 1.654	SPGX0903	SCGX09T308
SD525-32-160-40R7	03079595	32,0 1.260	160,0 6.299	258,0 10.157	165,0 6.496	190,0 7.480	68,0 2.677	40,0 1.575	50,0 1.969	SPGX11T3	SCGX09T308
SD525-33-165-40R7	03079596	33,0 1.299	165,0 6.496	263,0 10.354	170,0 6.693	195,0 7.677	68,0 2.677	40,0 1.575	50,0 1.969	SPGX11T3	SCGX09T308
SD525-34-170-40R7	03079597	34,0 1.339	170,0 6.693	268,0 10.551	175,0 6.890	200,0 7.874	68,0 2.677	40,0 1.575	50,0 1.969	SPGX11T3	SCGX09T308
SD525-35-175-40R7	03079598	35,0 1.378	175,0 6.890	273,0 10.748	180,0 7.087	205,0 8.071	68,0 2.677	40,0 1.575	50,0 1.969	SPGX11T3	SCGX11T308
SD525-36-180-40R7	03079599	36,0 1.417	180,0 7.087	278,0 10.945	185,0 7.283	210,0 8.268	68,0 2.677	40,0 1.575	50,0 1.969	SPGX11T3	SCGX11T308
SD525-37-185-40R7	03079600	37,0 1.457	185,0 7.283	283,0 11.142	190,0 7.480	215,0 8.465	68,0 2.677	40,0 1.575	50,0 1.969	SPGX11T3	SCGX11T308
SD525-38-190-40R7	03079601	38,0 1.496	190,0 7.480	288,0 11.339	195,0 7.677	220,0 8.661	68,0 2.677	40,0 1.575	50,0 1.969	SPGX12T3	SCGX11T308
SD525-39-195-40R7	03079602	39,0 1.535	195,0 7.677	293,0 11.535	200,0 7.874	225,0 8.858	68,0 2.677	40,0 1.575	50,0 1.969	SPGX12T3	SCGX11T308
SD525-40-200-40R7	03079603	40,0 1.575	200,0 7.874	298,0 11.732	205,0 8.071	230,0 9.055	68,0 2.677	40,0 1.575	50,0 1.969	SPGX12T3	SCGX11T308

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	LFS	LS	DMM	DF	Uç	
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	Merkez uç
SD525-41-205-40R7	03079604	41,0 1.614	205,0 8.071	303,0 11.929	210,0 8.268	235,0 9.252	68,0 2.677	40,0 1.575	50,0 1.969	SPGX12T3	SCGX120408
SD525-42-210-40R7	03079605	42,0 1.654	210,0 8.268	308,0 12.126	215,0 8.465	240,0 9.449	68,0 2.677	40,0 1.575	50,0 1.969	SPGX12T3	SCGX120408
SD525-43-215-40R7	03079606	43,0 1.693	215,0 8.465	313,0 12.323	220,0 8.661	245,0 9.646	68,0 2.677	40,0 1.575	50,0 1.969	SPGX12T3	SCGX120408
SD525-44-220-40R7	03079607	44,0 1.732	220,0 8.661	318,0 12.520	225,0 8.858	250,0 9.843	68,0 2.677	40,0 1.575	50,0 1.969	SPGX1504	SCGX120408
SD525-45-225-40R7	03079608	45,0 1.772	225,0 8.858	323,0 12.717	230,0 9.055	255,0 10.039	68,0 2.677	40,0 1.575	50,0 1.969	SPGX1504	SCGX150512

Yedek parçalar

Şu matkap çapı için (mm)	Uç vidası		Uç anahtarı
	Merkez uç	Çevre uç	
15,00-17,45	C02245-T07P	C02245-T07P	T07P-2
17,46-19,49	C02205-T07P	C02245-T07P	T07P-2
19,50-21,24	C02205-T07P	C02205-T07P	T07P-2
21,25-22,49	C02506-T08P	C02506-T08P	T08P-2
22,50-25,49	C02507-T08P	C03007-T08P	T08P-2
25,50-28,49	C03007-T09P	C03007-T09P	T09P-2
28,50-31,49	C03007-T09P	C03009-T09P	T09P-2
31,50-40,49	C03508-T15P	C03508-T15P	T15P-2D
40,50-43,24	C03508-T15P	C05012-T15P	T15P-2D
43,25-59,00	C04011-T15P	C05012-T15P	T15P-2D

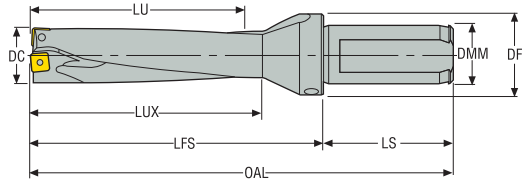
Aksesuarlar

Şu matkap çapı için (mm)	Tork anahtarı*	Yedek çubuk	Tork değeri
	15,00-17,45	T00-07P09	T00-07P
17,46-19,49	T00-07P09	T00-07P	0,9 Nm
19,50-21,24	T00-07P09	T00-07P	0,9 Nm
21,25-22,49	T00-08P12	T00-08P	1,2 Nm
22,50-25,49	T00-08P12	T00-08P	1,2 Nm
25,50-28,49	T00-09P20	T00-09P	2,0 Nm
28,50-31,49	T00-09P20	T00-09P	2,0 Nm
31,50-40,49	T00-15P30	T00-15P	3,0 Nm
40,50-43,24	T00-15P30	T00-15P	3,0 Nm
43,25-59,00	T00-15P30	T00-15P	3,0 Nm

*Çubuk dahil.

SD525

Delme derinliği ~ 5 x D – İnce



- ISO 9766 sap, -7
- İçten soğutma sıvısı
- Uç bilgileri için, bakınız sayfa 297-303
- Kesme verileri için, bakınız sayfa 306-307
- Ara çaplar için lütfen MyDesign programına bakınız

Ürün Tanımı	Ürün numarası	DC	LU	OAL	LUX	LFS	LS	DMM	DF	Uç	
		İnce	İnce	İnce	İnce	İnce	İnce	İnce	İnce	Merkez uç	Çevre uç
SD525-0750-375-1000R7	03079565	0.750	3.750	7.181	3.947	4.931	2.250	1.000	1.378	SPGX0602	SCGX050204
SD525-0812-406-1000R7	03079566	0.812	4.060	7.491	4.257	5.241	2.250	1.000	1.378	SPGX0602	SCGX060204
SD525-0875-438-1000R7	03079567	0.875	4.380	7.811	4.577	5.561	2.250	1.000	1.378	SPGX0703	SCGX060204
SD525-0937-469-1000R7	03079568	0.937	4.690	8.121	4.887	5.871	2.250	1.000	1.378	SPGX0703	SCGX070308
SD525-1000-500-1250R7	03079569	1.000	5.000	8.556	5.197	6.181	2.375	1.250	1.654	SPGX0703	SCGX070308
SD525-1062-531-1250R7	03079570	1.062	5.310	8.866	5.507	6.491	2.375	1.250	1.654	SPGX0903	SCGX070308
SD525-1125-563-1250R7	03079571	1.125	5.630	9.186	5.827	6.811	2.375	1.250	1.654	SPGX0903	SCGX09T308
SD525-1187-594-1250R7	03079572	1.187	5.940	9.496	6.137	7.121	2.375	1.250	1.654	SPGX0903	SCGX09T308
SD525-1250-625-1500R7	03079573	1.250	6.250	10.056	6.447	7.431	2.625	1.500	1.969	SPGX11T3	SCGX09T308
SD525-1375-687-1500R7	03079574	1.375	6.870	10.676	7.067	8.051	2.625	1.500	1.969	SPGX11T3	SCGX11T308
SD525-1500-750-1500R7	03079575	1.500	7.500	11.306	7.697	8.681	2.625	1.500	1.969	SPGX12T3	SCGX11T308
SD525-1625-812-1500R7	03079576	1.625	8.120	11.926	8.317	9.301	2.625	1.500	1.969	SPGX12T3	SCGX120408
SD525-1750-875-1500R7	03079577	1.750	8.750	12.556	8.947	9.931	2.625	1.500	1.969	SPGX1504	SCGX120408
SD525-1875-937-1500R7	03079578	1.875	9.370	13.176	9.567	10.551	2.625	1.500	1.969	SPGX1504	SCGX150512
SD525-1937-968-1500R7	03079579	1.937	9.680	13.486	9.877	10.861	2.625	1.500	2.337	SPGX1504	SCGX150512
SD525-2000-1000-1500R7	03079581	2.000	10.000	13.806	10.197	11.181	2.625	1.500	2.337	SPGX1504	SCGX150512

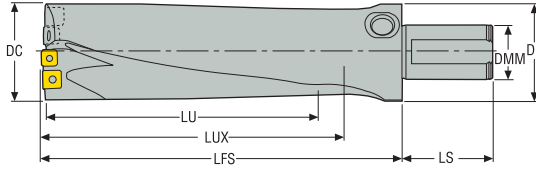
Yedek parçalar

Aksesuarlar

Şu matkap çapı için (inç)	Merkez uç vidası	Çevre Uç vidası	Anahtar	Tork anahtarı
0.750	C02205-T07P	C02245-T07P	T07P-2	T00-07P09
0.812	C02205-T07P	C02205-T07P	T07P-2	T00-07P09
0.875	C02506-T08P	C02506-T08P	T08P-2	T00-08P12
0.937-1.000	C02507-T08P	C03007-T08P	T08P-2	T00-08P12
1.062	C03007-T09P	C03007-T09P	T09P-2	T00-09P20
1.125-1.187	C03007-T09P	C03009-T09P	T09P-2	T00-09P20
1.250-1.500	C03508-T15P	C03508-T15P	T15P-2D	T00-15P30
1.625	C03508-T15P	C05012-T15P	T15P-2D	T00-15P30
1.750-2.000	C04011-T15P	C05012-T15P	T15P-2D	T00-15P35

SD542

Delme derinliği ~ 2,5 x D – Metrik



- ISO 9766 sap, -7
- İçten soğutma sıvısı
- Uç bilgileri için, bakınız sayfa 297-303
- Kesme verileri için, bakınız sayfa 312, 313
- Ara çaplar için lütfen MyDesign programına bakınız

Ürün Tanımı	Ürün numarası	DC	LU	LUX	LFS	LS	DMM	DF	Uç	
		mm	mm	mm	mm	mm	mm	mm	Merkez uç	Çevre uç
SD542-60-150-40R7	02590456	60,0	150,0	156,0	201,5	68,0	40,0	79,0	SPGX0903-C1	SCGX09T308..
SD542-65-162.5-40R7	02590457	65,0	162,5	169,5	214,0	68,0	40,0	79,0	SPGX11T3-C1	SCGX09T308..
SD542-70-175-40R7	02590458	70,0	175,0	182,5	226,5	68,0	40,0	79,0	SPGX11T3-C1	SCGX120408..
SD542-75-187.5-50R7	02590459	75,0	187,5	196,0	239,0	78,0	50,0	79,0	SPGX11T3-C1	SCGX120408..
SD542-80-200-50R7	02590460	80,0	200,0	210,0	251,5	78,0	50,0	79,0	SPGX12T3-C1	SCGX120408..
SD542-85-212.5-50R7	02590461	85,0	212,5	221,0	264,0	78,0	50,0	89,0	SPGX12T3-C1	SCGX120408..

Yedek parçalar

Şu matkap çapı için (mm)	Uç vidası	Uç anahtarı	Kör tapa	Hortum adaptörü
	Merkez uç	Çevre uç		
60,00-64,99	C03007-T09P	C03009-T09P	T09P-2	R3/8
65,00-68,99	C03508-T15P	C03508-T15P	T15P-2D	R3/8
69,00-86,99	C03508-T15P	C05012-T15P	T15P-2D	R3/8

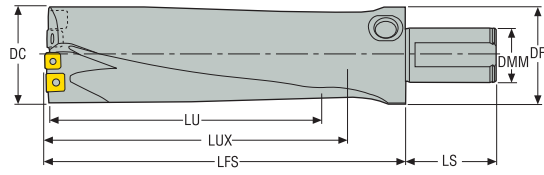
Aksesuarlar

Şu matkap çapı için (mm)	Tork anahtarı*	Yedek çubuk	Tork değeri
60,00-64,99	T00-09P20	T00-09P	3,0 Nm
65,00-68,99	T00-15P30	T00-15P	3,0 Nm
69,00-86,99	T00-15P30	T00-15P	3,0 Nm

*Çubuk dahil.

SD542

Delme derinliği ~ 2.5 X D – İnç



- ISO 9766 sap, -7
- İçten soğutma sıvısı
- Uç bilgileri için, bakınız sayfa 297-303
- Kesme verileri için, bakınız sayfa 312, 313
- Ara çaplar için lütfen MyDesign programına bakınız

Ürün Tanımı	Ürün numarası	DC	LU	LUX	LFS	LS	DMM	DF	Uç	
		İnç	İnç	İnç	İnç	İnç	İnç	İnç	Merkez uç	Çevre uç
SD542-2250-563-1500R7	02602085	2.250	5.630	5.800	7.000	4.500	1.500	3.110	SPGX 0903-C1	SCGX 09T308..
SD542-2500-625-1500R7	02602087	2.500	6.250	6.520	8.280	4.500	1.500	3.110	SPGX 0903-C1	SCGX 09T308..
SD542-2750-688-1500R7	02602088	2.750	6.880	7.190	8.900	4.500	1.500	3.110	SPGX 11T3-C1	SCGX 120408..
SD542-3000-750-2000R7	02602089	3.000	7.500	7.860	9.530	4.500	2.000	3.110	SPGX 11T3-C1	SCGX 120408..
SD542-3250-813-2500R7	02602090	3.250	8.130	8.460	10.150	4.500	2.500	3.500	SPGX 12T3-C1	SCGX 120408..
SD542-3500-875-2500R7	02602091	3.500	8.750	9.140	10.780	4.500	2.500	3.500	SPGX 1504-C1	SCGX 120408..

Yedek parçalar

Şu matkap çapı için (inç)	Uç vidası		Uç anahtarı	Kör tapa	Hortum adaptörü
	Merkez uç	Çevre uç			
2.250-2.500	C03007-T09P	C03009-T09P	T09P-2	R3/8	R3/8-HA
2.750-3.000	C03508-T15P	C03508-T15P	T15P-2D	R3/8	R3/8-HA
3.250-3.500	C03508-T15P	C05012-T15P	T15P-2D	R3/8	R3/8-HA

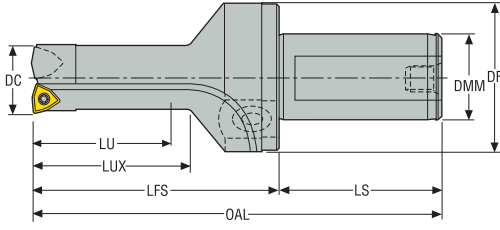
Aksesuarlar

Şu matkap çapı için (inç)	Tork anahtarı*	Yedek çubuk	Tork değeri
	2.250-2.500	T00-09P20	T00-09P
2.750-3.000	T00-15P30	T00-15P	26.6 in/lbs
3.250-3.500	T00-15P30	T00-15P	26.6 in/lbs

*Çubuk dahil.

SD572

Delme derinliği ~ 2 x D – Metrik



- ISO 9766 sap, -7
- İçten soğutma sıvısı
- Uç bilgileri için, bakınız sayfa 297-303
- Kesme verileri için, bakınız sayfa 314-315
- Ara çaplar için lütfen MyDesign programına bakınız

Ürün Tanımı	Ürün numarası	DC	LU	LUX	LFS	LS	DMM	DF	Uç	
		mm	mm	mm	mm	mm	mm	mm	Merkez uç	Çevre uç
SD572-15-30-25R7	02595777	15,0	30,0	35,0	65,0	56,0	25,0	42,0	WCMX030208-86	WCMX030208..
SD572-16-32-25R7	02595778	16,0	32,0	37,0	67,0	56,0	25,0	42,0	WCMX030208-86	WCMX030208..
SD572-17-34-25R7	02595779	17,0	34,0	39,0	69,0	56,0	25,0	42,0	WCMX030208-86	WCMX030208..
SD572-19-38-25R7	02595780	19,0	38,0	43,0	73,0	56,0	25,0	42,0	WCMX040208-86	WCMX030208..
SD572-22-44-25R7	02595781	22,0	44,0	49,0	79,0	56,0	25,0	42,0	WCMX050308-86	WCMX040208..
SD572-27-54-32R7	02595783	27,0	54,0	59,0	89,0	60,0	32,0	50,0	WCMX06T308-86	WCMX050308..
SD572-33-66-40R7	02595784	33,0	66,0	71,0	101,0	68,0	40,0	59,0	WCMX080412-86	WCMX06T308..
SD572-41-82-40R7	02595785	41,0	82,0	87,0	117,0	68,0	40,0	59,0	WCMX080412-86	WCMX080412..
SD572-47-94-40R7	02595786	47,0	94,0	99,0	129,0	68,0	40,0	59,0	WCMX080412-86	WCMX080412..

Yedek parçalar

Şu matkap çapı için (mm)	Uç vidası		Uç anahtarı	Kör tapa	Hortum adaptörü
	Merkez uç	Çevre uç			
15,00-20,50	C02205-T07P	C02205-T07P	T07P-2	R1/4	1310
20,51-24,50	C03007-T08P	C02506-T08P	T08P-2	R1/4	1310
24,51-32,50	C03508-T15P	C03007-T08P	T08P-2, T15P-2D	R1/4	1310
32,51-36,50	C03508-T15P	C03508-T15P	T15P-2D	R1/4	1310
36,51-59,00	C04011-T15P	C04011-T15P	T15P-2D	R1/4	1310

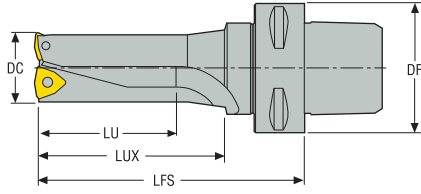
Aksesuarlar

Şu matkap çapı için (mm)	Tork anahtarı*	Yedek çubuk	Tork değeri
15,00-20,50	T00-07P09	T00-07P	0,9 Nm
20,51-24,50	T00-08P12	T00-08P	1,2 Nm
24,51-32,50	T00-08P12	T00-08P	1,2 Nm
32,51-36,50	T00-15P30	T00-15P	3,0 Nm
36,51-59,00	T00-15P30	T00-15P	3,0 Nm

*Çubuk dahil.

SD572

Delme derinliği ~ 2 x D – İnc



- ISO 9766 sap, -7
- İçten soğutma sıvısı
- Uç bilgileri için, bakınız sayfa 297-303
- Kesme verileri için, bakınız sayfa 314-315
- Ara çaplar için lütfen MyDesign programına bakınız

Ürün Tanımı	Ürün numarası	Delik çapı min-maks. (inç)	DC	LU	LUX	LFS	DF	Uç	
			İnc	İnc	İnc	İnc	İnc	Merkez uç	Çevre uç
SD572-0591-118-1000R7	02602128	0.591-0.709	0.591	1.182	1.379	2.56	1.775	WCMX030208-86	WCMX 030208..
SD572-0669-134-1000R7	02602129	0.669-0.748	0.669	1.338	1.535	2.716	1.775	WCMX030208-86	WCMX 030208..
SD572-0748-150-1000R7	02602131	0.748-0.866	0.748	1.496	1.69	2.874	1.775	WCMX040208-86	WCMX 030208..
SD572-0866-173-1000R7	02602132	0.866-1.062	0.866	1.732	1.929	3.11	1.775	WCMX050308-86	WCMX 040208..
SD572-1062-212-1250R7	02602133	1.062-1.299	1.062	2.124	2.321	3.502	2.165	WCMX06T308-86	WCMX 050308..
SD572-1299-260-1500R7	02602134	1.299-1.614	1.299	2.598	2.795	3.976	2.303	WCMX080412-86	WCMX 06T308..
SD572-1614-322-1500R7	02602135	1.614-1.850	1.614	3.228	3.425	4.606	2.303	WCMX080412-86	WCMX 080412..
SD572-1850-370-1500R7	02602136	1.850-2.047	1.85	3.7	3.7	5.078	2.303	WCMX080412-86	WCMX 080412..

Yedek parçalar

Şu matkap çapı için (inç)	Hortum adaptörü	Anahtar	Merkez uç vidası	Çevre Uç vidası	Anahtar (Bayrak)	Vida
0.591-0.748	1310	T07P-2	C02205-T07P	C02245-T07P	C02245-T07P	R1/4
0.866	1310	T08P-2	C02506-T08P	C03007-T08P	-	R1/4
1.062	1310	T08P-2	C03508-T15P	C03007-T08P	T15P-2D	R1/4
1.299	1310	T15P-2D	C03508-T15P	C02506-T08P	C02506-T08P	R1/4
1.614-1.850	1310	T15P-2D	C04011-T15P	C04011-T15P	-	R1/4

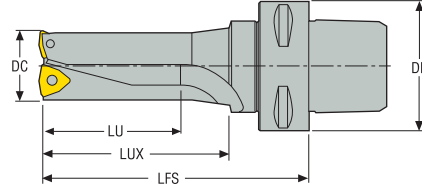
Aksesuarlar

Şu matkap çapı için (inç)	Değiştirilebilir Çubuk	Tork anahtarı
0.591-0.748	-	T00-07P09
0.866	-	T00-08P12
1.062	T00-15P	T00-15P30
1.299	-	T00-15P30
1.614-1.850	-	T00-15P30

*Çubuk dahil.

SD572

Delme derinliği ~ 2 x D – Metrik



- Seco-Capto™ C5 sap
- İçten soğutma sıvısı
- Uç bilgileri için, bakınız sayfa 297-303
- Kesme verileri için, bakınız sayfa 314-315
- Ara çaplar için lütfen MyDesign programına bakınız

Ürün Tanımı	Ürün numarası	Delik çapı min-maks. mm	DC mm	LU mm	LUX mm	LFS mm	DF mm	Uç	
								Merkez uç	Çevre uç
SD572-15-30-C5	02595831	14,8-18,0	15,0	30,0	35,0	85,0	50,0	WCMX030208-86	WCMX030208..
SD572-16-32-C5	02595832	15,8-18,0	16,0	32,0	37,0	87,0	50,0	WCMX030208-86	WCMX030208..
SD572-17-34-C5	02595833	16,8-19,0	17,0	34,0	39,0	89,0	50,0	WCMX030208-86	WCMX030208..
SD572-19-38-C5	02595834	18,8-22,0	19,0	38,0	43,0	93,0	50,0	WCMX040208-86	WCMX030208..
SD572-22-44-C5	02595835	21,8-27,0	22,0	44,0	49,0	99,0	50,0	WCMX050308-86	WCMX040208..
SD572-27-54-C5	02595836	26,8-33,0	27,0	54,0	59,0	109,0	50,0	WCMX06T308-86	WCMX050308..
SD572-33-66-C5	02595837	32,8-41,0	33,0	66,0	71,0	121,0	50,0	WCMX080412-86	WCMX06T308..
SD572-41-82-C5	02595838	40,8-47,0	41,0	82,0	87,0	157,0	50,0	WCMX080412-86	WCMX080412..
SD572-47-94-C5	02595839	46,8-52,0	47,0	94,0	99,0	169,0	50,0	WCMX080412-86	WCMX080412..

Yedek parçalar

Şu matkap çapı için (mm)	Uç vidası		Uç anahtarı	Kör tapa	Hortum adaptörü
	Merkez uç	Çevre uç			
15,00-20,50	C02205-T07P	C02205-T07P	T07P-2	R1/4	1310
20,51-24,50	C03007-T08P	C02506-T08P	T08P-2	R1/4	1310
24,51-32,50	C03508-T15P	C03007-T08P	T08P-2, T15P-2D	R1/4	1310
32,51-36,50	C03508-T15P	C03508-T15P	T15P-2D	R1/4	1310
36,51-59,00	C04011-T15P	C04011-T15P	T15P-2D	R1/4	1310

Aksesuarlar

Şu matkap çapı için (mm)	Tork anahtarı*	Yedek çubuk	Tork değeri
	15,00-20,50	T00-07P09	T00-07P
20,51-24,50	T00-08P12	T00-08P	1,2 Nm
24,51-32,50	T00-08P12	T00-08P	1,2 Nm
32,51-36,50	T00-15P30	T00-15P	3,0 Nm
36,51-59,00	T00-15P30	T00-15P	3,0 Nm

*Çubuk dahil.



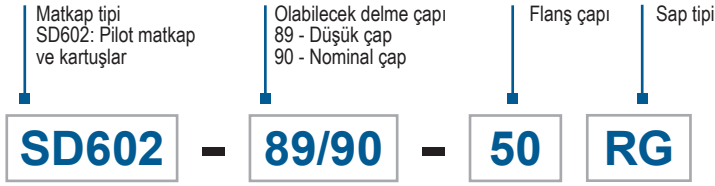
Perfomax® SD602

Seco'nun Perfomax® SD602 modeli, güvenli ve verimli bir şekilde büyük çaplar gerektiren derin delik uygulamaları için özel olarak tasarlanmış modüler bir matkap gövdesi sistemidir.

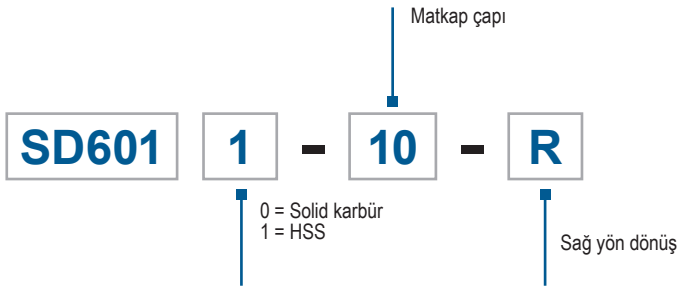
- DP3000 kalite sınıfındaki uçlar, Perfomax® SD602'yi optimize etmek için gereken tokluğu sağlar
- Bu kalite sınıfı, yüksek ilerleme ve hıza olanak tanır
- Gerekli delme derinliğine ulaşmak için uzatmalar kullanarak yüksek üretkenlik sağlar

Kodlama anahtarları

Matkap gövdeleri

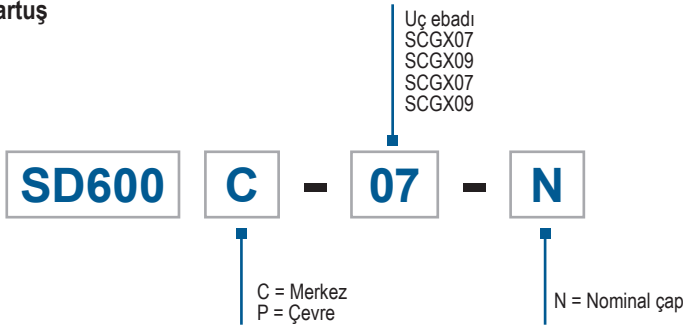


Pilot matkap



(Pilot matkap ayrıca satın alınmalıdır)

Kartuş

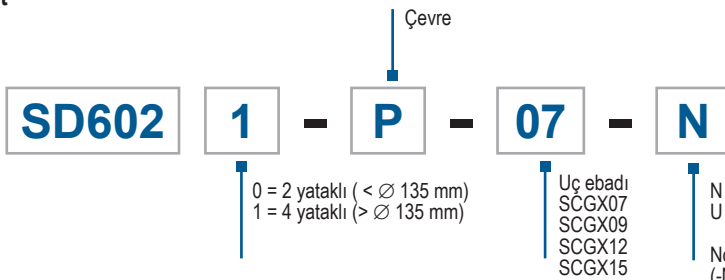


-N



-U

Kit



-N



-U

İnç

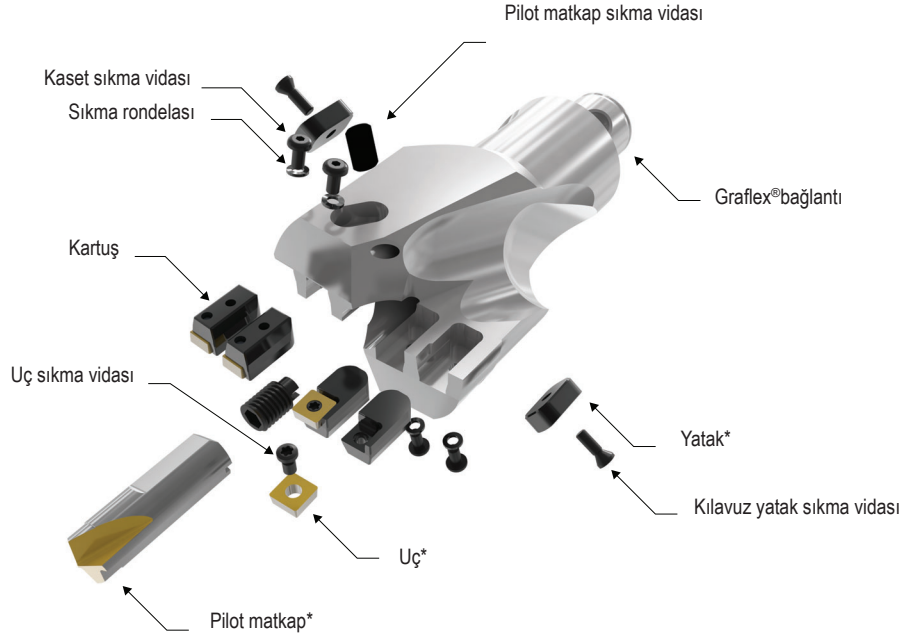


Ped

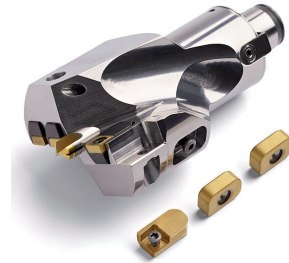


Modüler matkap kafası montajı

SD602-59/60-40RG



Örnek: Çap 59; SD602-59-40RG
Kullanım kiti: SD6020-P07*



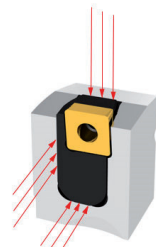
Örnek: Çap 60; SD602-60-40RG
Kullanım kiti: SD6020-P07-N*

Montaj talimatları

Kartuş ve kılavuz yataklarının montajı

- Kaset sıkma vidasını sıkın
- Uçları monte edin
- Pilot matkabı yerleştirin ve deliğin sonuna kadar itin, pilot matkabı uzatmanız gerekirse ayar vidasını kullanın
- Uzatmaları monte edin

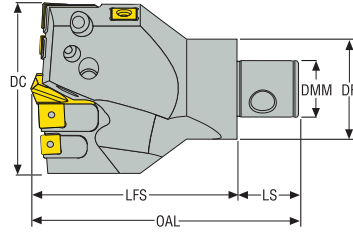
- Kaset ve yatakları monte edin
- Kartuş ve oturma yüzeyleri arasında hava boşluğu olmadığından emin olun
- Tork anahtarı ile kaset sıkma vidasını sıkın:
SD600-x-07: 3 Nm
SD600-x-09: 3 Nm
SD600-x-12: 8 Nm
SD600-x-15: 8 Nm
- Yatağı monte edin
- Yatak sıkma vidasını sıkın



* Teslimata dahil değildir. Çevre kaset seti, pilot matkap ve uçlar ayrıca sipariş edilmelidir.

SD602

SD602 - Modüler matkap kafası – Metrik



- İçten soğutma sıvısı
- Uç bilgileri için, bakınız sayfa 297-303
- Kesme verileri için, bakınız sayfa 316-317
- Boyu ayarlanabilir pilot matkap

Kapasite

Ürün numarası	Ürün Tanımı	Graflex ebatı	DCN	DCX	OAL	LFS	LS	DF	DMM	Ağırlık	Uç
			mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	kg lb	
02846688	SD602-59/60-40RG	G4	59,0 2.323	60,0 2.362	129,0 5.079	105,0 4.134	24,0 0.945	40,0 1.575	22,0 0.866	0,9 1.980	SCGX07
02846689	SD602-69/70-40RG	G4	69,0 2.717	70,0 2.756	129,0 5.079	105,0 4.134	24,0 0.945	40,0 1.575	22,0 0.866	1,1 2.430	SCGX09
02846690	SD602-79/80-50RG	G5	79,0 3.110	80,0 3.150	160,0 6.299	130,0 5.118	30,0 1.181	50,0 1.969	28,0 1.102	1,8 3.970	SCGX09
02846691	SD602-89/90-50RG	G5	89,0 3.504	90,0 3.543	160,0 6.299	130,0 5.118	30,0 1.181	50,0 1.969	28,0 1.102	2,0 4.410	SCGX09/12
02846692	SD602-99/100-63RG	G6	99,0 3.898	100,0 3.937	185,0 7.283	145,0 5.709	40,0 1.575	63,0 2.480	36,0 1.417	3,1 6.830	SCGX12
02846693	SD602-119/120-63RG	G6	119,0 4.685	120,0 4.724	185,0 7.283	145,0 5.709	40,0 1.575	63,0 2.480	36,0 1.417	3,5 7.720	SCGX15
02846694	SD602-139/140-90RG	G7	139,0 5.472	140,0 5.512	210,0 8.268	160,0 6.299	50,0 1.969	90,0 3.543	46,0 1.811	6,1 13.450	SCGX12
02846695	SD602-159/160-90RG	G7	159,0 6.260	160,0 6.299	210,0 8.268	160,0 6.299	50,0 1.969	90,0 3.543	46,0 1.811	6,6 14.550	SCGX12/15
02846698	SD602-2500-40RG	G4	62,5 2.461	63,5 2.500	129,0 5.079	105,0 4.134	24,0 0.945	40,0 1.575	22,0 0.866	1,0 2.200	SCGX07
02846699	SD602-2750-40RG	G4	68,85 2.711	69,85 2.750	129,0 5.079	105,0 4.134	24,0 0.945	40,0 1.575	22,0 0.866	1,1 2.430	SCGX07/09
02846700	SD602-3000-40RG	G4	75,2 2.961	76,2 3.000	129,0 5.079	105,0 4.134	24,0 0.945	40,0 1.575	22,0 0.866	1,1 2.430	SCGX09
02846701	SD602-3250-50RG	G5	81,55 3.211	82,55 3.250	160,0 6.299	130,0 5.118	30,0 1.181	50,0 1.969	28,0 1.102	1,8 3.970	SCGX09/12
02846702	SD602-3500-50RG	G5	87,9 3.461	88,9 3.500	160,0 6.299	130,0 5.118	30,0 1.181	50,0 1.969	28,0 1.102	1,9 4.190	SCGX09/12
02846703	SD602-4000-63RG	G6	100,6 3.961	101,6 4.000	185,0 7.283	145,0 5.709	40,0 1.575	63,0 2.480	36,0 1.417	3,2 7.050	SCGX12

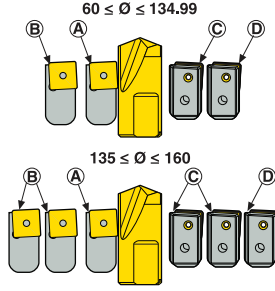
Yedek parçalar

Kaset	Kaset	Kaset vidası	Rondela	Uç vidası	Uç anahtarı	Yatak*	Yatak*	Yatak vidası
SD600-C-07	SD600-P-07-N	K6S4x8	LW0408	C03007-T09P	T09P-2, T15P-2D	PAD-L20R25	PAD-L20R25-N	C04014-T15P
SD600-C-09	SD600-P-09-N	K6S4x8	LW0408	C03508-T15P	T15P-2D	PAD-L20R25	PAD-L20R25-N	C04014-T15P
SD600-C-12	SD600-P-12-N	K6S6x10	LW0611	C05012-T15P	T15P-2D	PAD-L20R25	PAD-L20R25-N	C04014-T15P
SD600-C-15	SD600-P-15-N	K6S6x12	LW0611	C05012-T15P	T15P-2D	PAD-L20R25	PAD-L20R25-N	C04014-T15P

*Teslimata dahil değildir

SD602

SD602 - Modüler matkap kafası



Yedek parçalar

Ürün Tanımı	Şu matkap çapı için (mm)	Şu matkap çapı için (inç)	Pilot matkap vidası	Ayar vidası	Kaset (A)	Kaset (B)	Kaset (C)	Çevre kaset seti* (D)	Pilot matkap* x=0 Solid karbür x=1 HSS
SD602-59/60-40RG	59	2.323	P6SS 8X8	19TLR0816	SD600-C-07	SD600-C-07	SD600-P-07	SD6020-P-07-U	SD601x-10-R
SD602-59/60-40RG	60	2.362	P6SS 8X8	19TLR0816	SD600-C-07	SD600-C-07	SD600-P-07	SD6020-P-07-N	SD601x-10-R
SD602-2500-40RG	62,5	2.461	P6SS 8X8	19TLR0816	SD600-C-07	SD600-C-07	SD600-P-07	SD6020-P-07-U	SD601x-10-R
SD602-2500-40RG	63,5	2.500	P6SS 8X8	19TLR0816	SD600-C-07	SD600-C-07	SD600-P-07	SD6020-P-07-N	SD601x-10-R
SD602-2750-40RG	68,85	2.711	P6SS 8X8	19TLR0816	SD600-C-09	SD600-C-07	SD600-P-07	SD6020-P-07-U	SD601x-10-R
SD602-2750-40RG	69,85	2.750	P6SS 8X8	19TLR0816	SD600-C-09	SD600-C-07	SD600-P-07	SD6020-P-07-N	SD601x-10-R
SD602-69/70-40RG	69	2.717	P6SS 8X8	19TLR0816	SD600-C-09	SD600-C-09	SD600-P-09	SD6020-P-09-U	SD601x-10-R
SD602-69/70-40RG	70	2.756	P6SS 8X8	19TLR0816	SD600-C-09	SD600-C-09	SD600-P-09	SD6020-P-09-N	SD601x-10-R
SD602-3000-40RG	75,2	2.961	P6SS 10X10	19TLR1016	SD600-C-09	SD600-C-09	SD600-P-09	SD6020-P-09-U	SD601x-15-R
SD602-3000-40RG	76,2	3.000	P6SS 10X10	19TLR1016	SD600-C-09	SD600-C-09	SD600-P-09	SD6020-P-09-N	SD601x-15-R
SD602-79/80-50RG	79	3.110	P6SS 10X10	19TLR1016	SD600-C-09	SD600-C-09	SD600-P-09	SD6020-P-09-U	SD601x-15-R
SD602-79/80-50RG	80	3.150	P6SS 10X10	19TLR1016	SD600-C-09	SD600-C-09	SD600-P-09	SD6020-P-09-N	SD601x-15-R
SD602-3250-50RG	81,55	3.211	P6SS 10X10	19TLR1016	SD600-C-12	SD600-C-09	SD600-P-09	SD6020-P-09-U	SD601x-15-R
SD602-3250-50RG	82,55	3.250	P6SS 10X10	19TLR1016	SD600-C-12	SD600-C-09	SD600-P-09	SD6020-P-09-N	SD601x-15-R
SD602-3500-50RG	87,9	3.461	P6SS 10X10	19TLR1016	SD600-C-12	SD600-C-09	SD600-P-09	SD6020-P-12-U	SD601x-15-R
SD602-3500-50RG	88,9	3.500	P6SS 10X10	19TLR1016	SD600-C-12	SD600-C-09	SD600-P-09	SD6020-P-12-N	SD601x-15-R
SD602-89/90-50RG	89	3.504	P6SS 10X10	19TLR1016	SD600-C-12	SD600-C-09	SD600-P-09	SD6020-P-12-U	SD601x-15-R
SD602-89/90-50RG	90	3.543	P6SS 10X10	19TLR1016	SD600-C-12	SD600-C-09	SD600-P-09	SD6020-P-12-N	SD601x-15-R
SD602-99/100-63RG	99	3.898	P6SS 10X10	19TLR1016	SD600-C-12	SD600-C-12	SD600-P-12	SD6020-P-12-U	SD601x-15-R
SD602-99/100-63RG	100	3.937	P6SS 10X10	19TLR1016	SD600-C-12	SD600-C-12	SD600-P-12	SD6020-P-12-N	SD601x-15-R
SD602-4000-63RG	100,6	3.961	P6SS 10X10	19TLR1016	SD600-C-12	SD600-C-12	SD600-P-12	SD6020-P-12-U	SD601x-15-R
SD602-4000-63RG	101,6	4.000	P6SS 10X10	19TLR1016	SD600-C-12	SD600-C-12	SD600-P-12	SD6020-P-12-N	SD601x-15-R
SD602-119/120-63RG	119	4.685	P6SS 10X10	19TLR1016	SD600-C-15	SD600-C-15	SD600-P-15	SD6020-P-15-U	SD601x-15-R
SD602-119/120-63RG	120	4.724	P6SS 10X10	19TLR1016	SD600-C-15	SD600-C-15	SD600-P-15	SD6020-P-15-N	SD601x-15-R
SD602-139/140-90RG	139	5.472	P6SS 12X12	19TLR1216	SD600-C-12	SD600-C-12	SD600-P-12	SD6021-P-12-U	SD601x-25-R
SD602-139/140-90RG	140	5.512	P6SS 12X12	19TLR1216	SD600-C-12	SD600-C-12	SD600-P-12	SD6021-P-12-N	SD601x-25-R
SD602-159/160-90RG	159	6.260	P6SS 12X12	19TLR1216	SD600-C-15	SD600-C-12	SD600-P-12	SD6021-P-15-U	SD601x-25-R
SD602-159/160-90RG	160	6.299	P6SS 12X12	19TLR1216	SD600-C-15	SD600-C-12	SD600-P-12	SD6021-P-15-N	SD601x-25-R

*Teslimata dahil değildir. Çevre kaset kiti, U-küçük çap, N-nominal çap
Uç ebatları için bakınız sayfa 297-303

SD602 için tekrar bileme talimatları

Özellikler:

Tavsiye edilen elmas taşın özellikleri:

Konik boşluk: Elmas taşının şekli 12A2 Tanecik ölçüsü D54 (resim 1).

Yoğunluğu: Elmas taşının şekli 1A1 ya da 1V1 Tanecik boyutu D64-D46 (resim 2- 3).

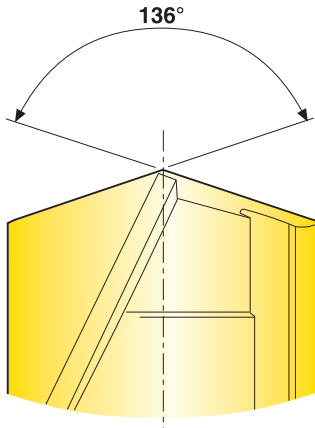
Köşe pağı: Elmas taşının şekli 1A1 ya da 12A2 (resim 1).

Kenar işlemi: K-land taşlama ya da fırçalama (resim 2).

Önemli:

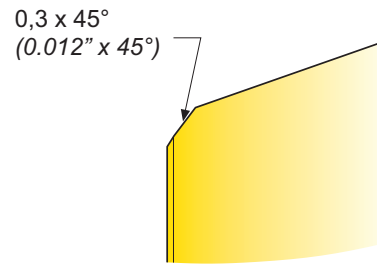
- Kesme kenarları aynı olmalı ve aynı kenar hazırlama ölçüsünde olmalıdır.
- Kenar hazırlama tüm kesme kenarı boyunca uygulanmalıdır.

1. Merkez açısı

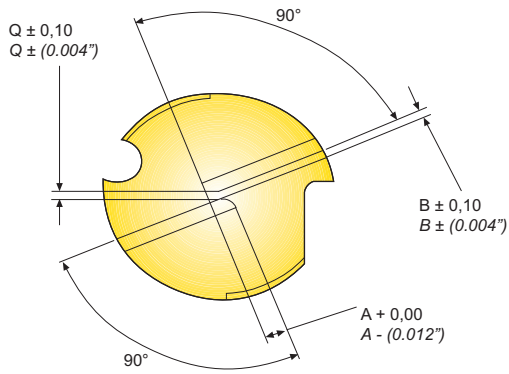


Kenar hazırlama 0 - 0,1 mm (0 - 0,004 inç) x 20°. Delme noktası konik boşluğu 10°.

2. Köşe pağı



3.

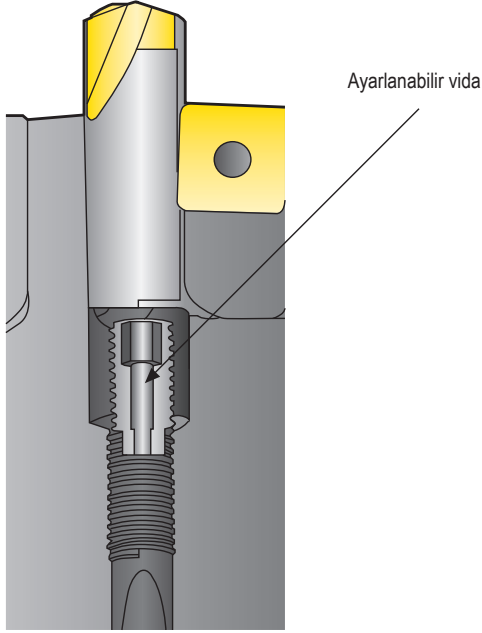


4.

Çap	Boyutlar/mm (inç)			
	A	B	C	Minimum boy
10 mm	1,5 (0.059)	0,5 (0.020)	0,57 (0.022)	38 (1.496)
15 mm	1,5 (0.059)	0,6 (0.024)	0,68 (0.027)	45 (1.772)
25 mm	1,5 (0.059)	1,4 (0.055)	1,6 (0.063)	57 (2.244)

Modüler matkap kafası montajı

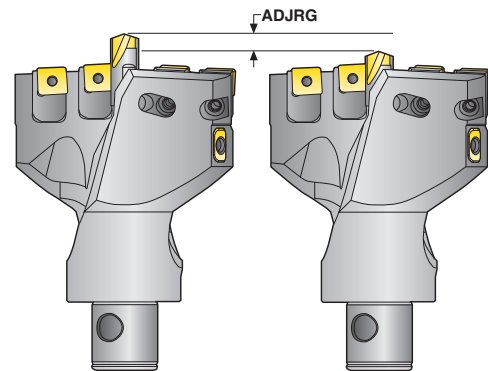
Özellik: Ayarlanabilir pilot matkap



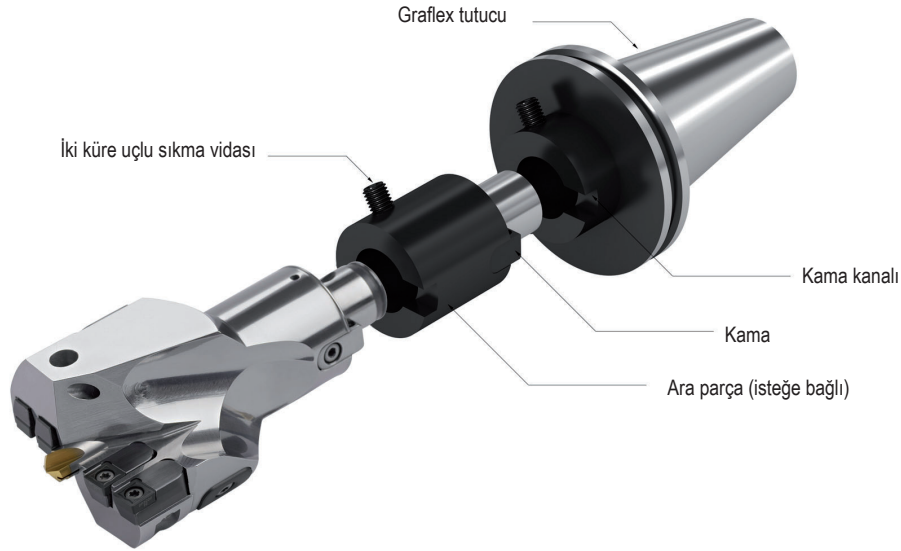
Matkap	Ayarlanabilir boy mesafesi ADJRG	
	mm	inç
SD602-59/60-40RG	3,0	0.118
SD602-69/70-40RG	3,0	0.118
SD602-79/80-50RG	5,0	0.197
SD602-89/90-50RG	5,0	0.197
SD602-99/100-63RG	5,0	0.197
SD602-119/120-63RG	5,0	0.197
SD602-139/140-90RG	5,0	0.197
SD602-159/160-90RG	5,0	0.197
SD602-2500-40RG	3,0	0.118
SD602-2750-40RG	3,0	0.118
SD602-3000-40RG	5,0	0.197
SD602-3250-50RG	5,0	0.197
SD602-3500-50RG	5,0	0.197
SD602-4000-63RG	5,0	0.197

Özellik: Ayarlanabilir boy mesafesi

Faydaları: Pilot matkabı biledikten sonra aynı ayar boyu.
Pilot matkabın kullanım boyunu ayarlama olanağı.
Delme boyu > 5 x D matkaplarda fazladan 5 mm (0,197 inç) uzun olması tavsiye edilir.
Tavsiye: Deliğe tekrar girme durumunda, daha iyi merkezleme için pilot matkap ilk ayarından 3 mm (0,118 inç) daha uzun ayarlanmalıdır.

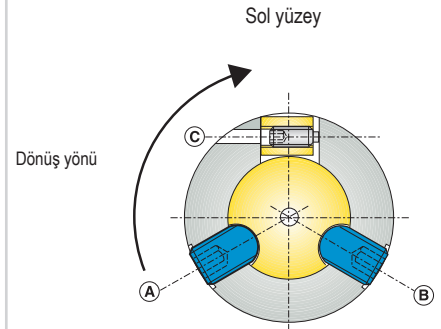
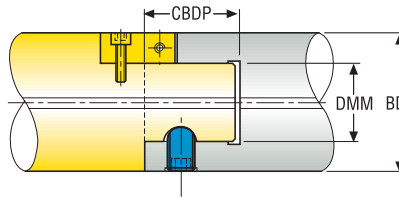


Modüler matkap kafası montajı



Montaj talimatları

1. Monte edilecek parçaları temizleyin ve pas önleyici uygulayın.
2. Kamanın sol yüzünü, kama kanalının sol yüzüne temas ettirerek parçaları bağlayın.
3. A vidasını hafifçe sıkın (A vidası için en düşük noktayı bulmak üzere matkap kafalarının ileri geri hareket ettirilmesi gerekir).
4. Vida B'yi hafifçe sıkın.
5. Sabitleme vidası C'yi "Tork" anahtarı ile sıkın.
6. Vida A'yı "Tork" anahtarı ile sıkın.
7. Vida B'yi "Tork" anahtarı ile sıkın.
8. Sabitleme vidasının sıkıldığını tekrar kontrol edin.



Tavsiye edilen Graflex bağlantı sıkma torkları

Graflex ölçüsü	DMM mm (inç)	BD mm (inç)	CBDP mm (inç)	Küre uçlu vidalar (A) ve (B)	Kama sıkma vidası (C)
4	22 (0,866)	40 (1,575)	24 (0,945)	20 Nm (14,7 ft/lb)	0,7 Nm (0,5 ft/lb)
5	28 (1,102)	50 (1,969)	30 (1,181)	25 Nm (18,4 ft/lb)	2 Nm (1,5 ft/lb)
6	36 (1,417)	63 (2,480)	40 (1,575)	35 Nm (25,8 ft/lb)	4 Nm (2,9 ft/lb)
7	46 (1,811)	90 (3,543)	50 (1,969)	60 Nm (44,2 ft/lb)	8 Nm (5,9 ft/lb)

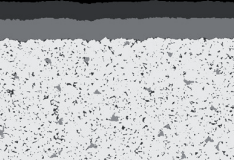
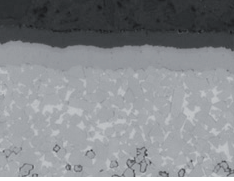
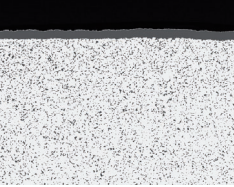
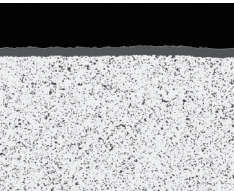
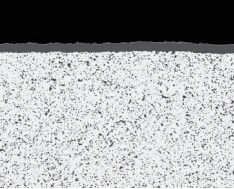
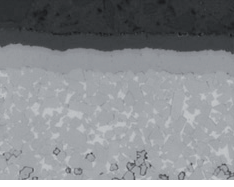
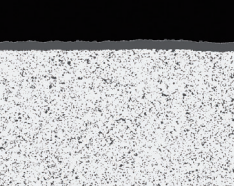
Uç kalitesi

Özellikler:

- Her uçta 4 kesme kenarı
- Güçlü kare uçlar

Faydaları:

- Ekonomik
- Güvenilirlik
- Performans
- Delik başına düşük maliyet

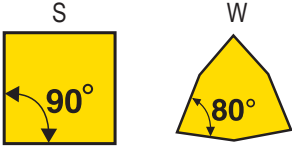
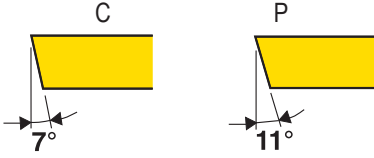
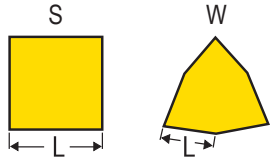
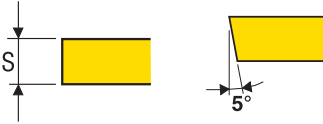
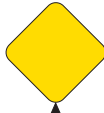
Çevre uç kaliteleri		
DP2000		DURATOMIC® kaplama teknolojisine sahip Çelik ve Dökme demir işleme için optimize edilmiş kalite Çok yüksek kesme hızları ile işleme için Aşınma dirençli kaplama ve kenar tokluğunun benzersiz kombinasyonu Ti(C,N) + Al ₂ O ₃ DURATOMIC®
DP3000		DURATOMIC® kaplama teknolojisine sahip Genel kalite. Üstün aşınma direnci ve kenar tokluğu Yüksek uygulama güvenliği için tok kalite Ti(C,N) + Al ₂ O ₃ DURATOMIC® Kademeli alt tabaka
T250D		Daha sert malzemelere daha uygundur Alüminyum malzemede ilk tercih TiAlN kaplamalı, mikro tanecikli tok kalite şunları sağlar -Son derece iyi sertlik -Kimyasal aşınmaya ve oksidasyona yüksek direnç PVD kaplamalı (Ti, Al)N + TiN
DS2050		Titanyum, süper alaşımlar ve zor paslanmaz çelikler için optimize edilmiş kalite PVD kaplamalı TiAlN + NbN
Merkez uç kaliteleri		
T400D		İlk tercih Yüksek uygulama güvenliği için tok merkez uç kalitesi PVD kaplamalı (Ti, Al)N + TiN
DP3000		DURATOMIC® kaplama teknolojisine sahip Genel kalite. Üstün aşınma direnci ve kenar tokluğu Yüksek uygulama güvenliği için tok kalite Ti(C,N) + Al ₂ O ₃ DURATOMIC® Kademeli alt tabaka
DS4050		Titanyum, süper alaşımlar ve zor paslanmaz çelikler için optimize edilmiş kalite PVD kaplamalı TiAlN + NbN

Geometriler

SCGX-P1	SCGX-P2	SCGX-MP	SPGX-C1	SPGX-MC	WCMX-85	WCMX-86
						



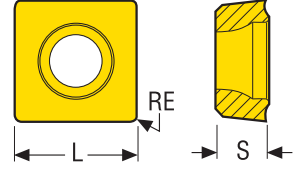
S	C	G	X	06	02	04	-	P1
1	2	3	4	5	6	7		10

1. Uç şekli	2. Uç kenar boşluk açısı	4. Tip																																																																	
		X=Özel																																																																	
3. Toleranslar	5. Kesme kenarı boyu																																																																		
<table border="1"> <thead> <tr> <th rowspan="2">Tol. sınıfı</th> <th colspan="3">Tolerans ± mm (inç)</th> <th colspan="10">İC ölçüsü için boyut, mm (inç)</th> </tr> <tr> <th>m</th> <th>S</th> <th>IC</th> <th>5,566 (0.2187)</th> <th>6,35 (0.2500)</th> <th>7,937 (0.3125)</th> <th>7,94 (0.3126)</th> <th>9,525 (0.3750)</th> <th>11,509 (0.4531)</th> <th>12,7 (0.5000)</th> <th>15,875 (0.6250)</th> <th>19,05 (0.7500)</th> </tr> </thead> <tbody> <tr> <td>G</td> <td>0,025 (0.001)</td> <td>0,13 (0.005)</td> <td>0,025 (0.001)</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> </tr> <tr> <td>M</td> <td>0,013 (0.005)</td> <td>0,13 (0.005)</td> <td>0,05 (0.002)</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> </tr> <tr> <td>M</td> <td>0,013 (0.005)</td> <td>0,13 (0.005)</td> <td>0,08 (0.003)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>•</td> <td></td> <td></td> </tr> </tbody> </table>	Tol. sınıfı	Tolerans ± mm (inç)			İC ölçüsü için boyut, mm (inç)										m	S	IC	5,566 (0.2187)	6,35 (0.2500)	7,937 (0.3125)	7,94 (0.3126)	9,525 (0.3750)	11,509 (0.4531)	12,7 (0.5000)	15,875 (0.6250)	19,05 (0.7500)	G	0,025 (0.001)	0,13 (0.005)	0,025 (0.001)	•	•	•	•	•	•	•	•	•	M	0,013 (0.005)	0,13 (0.005)	0,05 (0.002)	•	•	•	•	•	•	•	•	•	M	0,013 (0.005)	0,13 (0.005)	0,08 (0.003)							•				
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 <p>02 = 2,38 mm (0.094") 03 = 3,18 mm (0.125") T3 = 3,97 mm (0.156")</p> <p>04 = 4,76 mm (0.187") 05 = 5,56 mm (0.219")</p>	 <p>04 = 0,4 mm (0.016") 08 = 0,8 mm (0.031") 12 = 1,2 mm (0.047") vb.</p>	<p>Talaş kırıcı tanımı örneği</p> <p>P1 = xx P2 = xx 85 = xx 86 = xx</p>																																																																	

Değiştirilebilir uçlar - Çevre ucu, tip P1*

SD522, SD523, SD524, SD525, SD542, SD602

Toleranslar:
L = $\pm 0,025$ (0.001 in)
S = $\pm 0,13$ (0.005 in)
RE = $\pm 0,1$ (0.004 in)



SCGX-P1

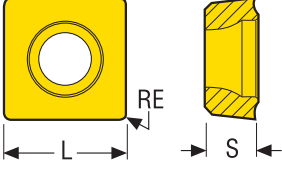


Ürün Tanımı	Uçlar	L			S			RE		
		mm	inç	mm	inç	mm	inç	T250D	DP2000	DP3000
SCGX060204-P1	SCGX-P1	6,35	0.250	2,381	0.094	0,4	0.016	00059712	02590849	02807362
SCGX070308-P1	SCGX-P1	7,938	0.313	3,175	0.125	0,8	0.031	00059713	02590850	02807363
SCGX09T308-P1	SCGX-P1	9,525	0.375	3,969	0.156	0,8	0.031	00059714	02590851	02807364
SCGX11T308-P1	SCGX-P1	11,509	0.453	3,97	0.156	0,8	0.031	03136962	03136963	03136964
SCGX120408-P1	SCGX-P1	12,7	0.500	4,762	0.187	0,8	0.031	00059715	02590852	02807365
SCGX150512-P1	SCGX-P1	15,875	0.625	5,556	0.219	1,2	0.047	00059716	02590853	02807366

*Tüm malzeme çeşitlerinde iyi yüzey kalitesi ve düşük ilerleme oranları için talaş kırıcı formu.

Değiştirilebilir uçlar - Çevre ucu, tip P2**

SD522, SD523, SD524, SD525, SD542, SD602



Toleranslar:
L = $\pm 0,025$ (0.001 in)
S = $\pm 0,13$ (0.005 in)
RE = $\pm 0,1$ (0.004 in)

SCGX-P2



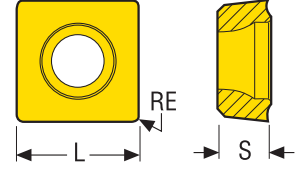
Ürün Tanımı	Uçlar	L			S			RE		
		mm	İnç	mm	İnç	mm	İnç	T250D	DP2000	DP3000
SCGX050204-P2	SCGX-P2	5,556	0.219	2,38	0.094	0,4	0.016	00059711	02590854	02807356
SCGX060204-P2	SCGX-P2	6,35	0.250	2,38	0.094	0,4	0.016	02526803	02590855	02807357
SCGX070308-P2	SCGX-P2	7,937	0.312	3,18	0.125	0,8	0.031	02526787	02590856	02807358
SCGX09T308-P2	SCGX-P2	9,525	0.375	3,97	0.156	0,8	0.031	02794476	02590857	02807359
SCGX11T308-P2	SCGX-P2	11,509	0.453	3,97	0.156	0,8	0.031	03097760	03097761	03097762
SCGX120408-P2	SCGX-P2	12,7	0.500	4,76	0.187	0,8	0.031	02794477	02590858	02807360
SCGX150512-P2	SCGX-P2	15,875	0.625	5,56	0.219	1,2	0.047	02794478	02590859	02807361

**Çelik, paslanmaz çelik ve dökme demirde yüksek ilerleme oranları için talaş kırıcı formu

Değiştirilebilir uçlar - Çevre ucu, tip MP

SD522, SD523, SD524, SD525, SD542, SD602

Toleranslar:
 $L = \pm 0,025$ (0.001 in)
 $S = \pm 0,13$ (0.005 in)
 $RE = \pm 0,1$ (0.004 in)



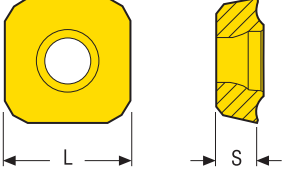
SCGX-MP



Ürün Tanımı	Uçlar	L	S	RE	Kaliteler
		mm İnç	mm İnç	mm İnç	
SCGX050204-MP	SCGX-MP	5,56 0.219	2,38 0.094	0,4 0.016	DS2050 03134312
SCGX060204-MP	SCGX-MP	6,35 0.250	6,35 0.250	0,4 0.016	03134313
SCGX070308-MP	SCGX-MP	7,94 0.313	3,18 0.125	0,8 0.031	03134314
SCGX09T308-MP	SCGX-MP	9,525 0.375	3,97 0.156	0,8 0.031	03134315
SCGX11T308-MP	SCGX-MP	11,509 0.453	3,97 0.156	0,8 0.031	03134316
SCGX120408-MP	SCGX-MP	12,7 0.500	4,76 0.187	0,8 0.031	03134317
SCGX150512-MP	SCGX-MP	15,875 0.625	5,56 0.219	1,2 0.047	03134318

Değiştirilebilir uçlar - Merkez uç, tip C1

SD522, SD523, SD524, SD525, SD542



Toleranslar:
L = $\pm 0,025$ (0.001 in)
S = $\pm 0,13$ (0.005 in)

SPGX-C1

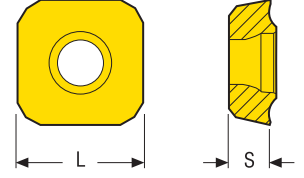


Ürün Tanımı	Uçlar	L		S		Kaliteler	
		mm	İnç	mm	İnç	T400D	DP3000
SPGX0502-C1	SPGX-C1	5,556	0.219	2,38	0.094	74077370	02807367
SPGX0602-C1	SPGX-C1	6,35	0.250	2,38	0.094	74077371	02807368
SPGX0703-C1	SPGX-C1	7,937	0.312	3,18	0.125	74077372	02807369
SPGX0903-C1	SPGX-C1	9,525	0.375	3,18	0.125	74077373	02807370
SPGX11T3-C1	SPGX-C1	11,509	0.453	3,97	0.156	74077374	02807371
SPGX12T3-C1	SPGX-C1	12,7	0.500	3,97	0.156	74077375	02807372
SPGX1504-C1	SPGX-C1	15,875	0.625	4,76	0.187	74077376	02807373
SPGX1904-C1	SPGX-C1	19,05	0.750	4,76	0.187	74077377	02807374

Değiştirilebilir uçlar - Merkez uç, tip MC

SD522, SD523, SD524, SD525, SD542

Toleranslar:
L = $\pm 0,025$ (0.001 in)
S = $\pm 0,13$ (0.005 in)



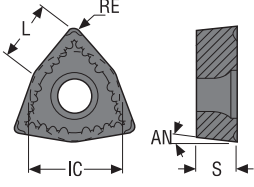
SPGX-MC



Ürün Tanımı	Uçlar	L		S	Kaliteler	
		mm	İnç			
					DS4050	
SPGX0502-MC	SPGX-MC	5,56	0.219	2,38	0.094	03134319
SPGX0602-MC	SPGX-MC	6,35	0.250	2,38	0.094	03134320
SPGX0703-MC	SPGX-MC	7,94	0.313	3,18	0.125	03134321
SPGX0903-MC	SPGX-MC	9,525	0.375	3,18	0.125	03134322
SPGX11T3-MC	SPGX-MC	11,509	0.453	3,97	0.156	03134323
SPGX12T3-MC	SPGX-MC	12,7	0.500	3,97	0.156	03134324
SPGX1504-MC	SPGX-MC	15,875	0.625	4,76	0.187	03134325
SPGX1904-MC	SPGX-MC	19,05	0.750	4,76	0.187	03134326

Değiştirilebilir uçlar - Çevre ucu, tip 85*

SD572



Toleranslar:
S = ±0,13 (0.005 in)
RE = ±0,1 (0.004 in)

WCMX-85



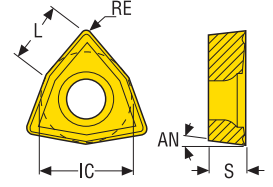
Ürün Tanımı	Uçlar	IC	L	S	RE	Kaliteler
		mm Inç	mm Inç	mm Inç	mm Inç	DP3000
WCMX040208-85	WCMX-85	6,35 0.250	3,99 0.157	2,38 0.094	0,8 0.031	02807375
WCMX050308-85	WCMX-85	7,94 0.313	5,07 0.200	3,18 0.125	0,8 0.031	02807376
WCMX06T308-85	WCMX-85	9,525 0.375	6,14 0.242	3,97 0.156	0,8 0.031	02807377
WCMX080412-85	WCMX-85	12,7 0.500	8,14 0.320	4,76 0.187	1,2 0.047	02807378

* Tüm malzeme çeşitlerinde iyi yüzey kalitesi ve düşük ilerleme oranları için talaş kırıcı formu.

Merkez ve Çevre ucu, tip 86** matkaplar için

SD572

Toleranslar:
S = $\pm 0,13$ (0.005 in)
RE = $\pm 0,1$ (0.004 in)



WCMX-86



Ürün Tanımı	Uçlar	IC	L	S	RE	Kaliteler		
						T400D	DP2000	DP3000
WCMX030208-86	WCMX-86	5,556 0.219	3,46 0.136	2,38 0.094	0,8 0.031	02506629	02899808	02807379
WCMX040208-86	WCMX-86	6,35 0.250	3,99 0.157	2,38 0.094	0,8 0.031	02506638	02899809	02807380
WCMX050308-86	WCMX-86	7,94 0.313	5,07 0.200	3,18 0.125	0,8 0.031	02506640	02899810	02807381
WCMX06T308-86	WCMX-86	9,525 0.375	6,14 0.242	3,97 0.156	0,8 0.031	02506645	02899811	02807382
WCMX080412-86	WCMX-86	12,7 0.500	8,14 0.320	4,76 0.187	1,2 0.047	02506646	02899812	02807383

** Çelik, paslanmaz çelik ve dökme demir malzemelerde yüksek ilerleme oranları için talaş kırıcı formu.

SD522 Ø 15-60 mm / 0.590-2.375 inç

SMG		f							v _c
		Ø 15,00-19,49 Ø 0.590-0.767	Ø 19,50-22,49 Ø 0.768-0.885	Ø 22,50-28,49 Ø 0.886-1.121	Ø 28,50-34,49 Ø 1.122-1.357	Ø 34,50-40,49 Ø 1.358-1.593	Ø 40,49-44,49 Ø 1.594-1.751	Ø 44,50-59,99 Ø 1.752-2.375	
P1	P1 DP2000	0,060	0,070	0,085	0,095	0,11	0,12	0,13	460
	P1 DP2000	0,0024	0,0028	0,0034	0,0038	0,0044	0,0048	0,0050	1500
P2	P1 DP2000	0,060	0,070	0,085	0,10	0,11	0,12	0,13	450
	P1 DP2000	0,0024	0,0028	0,0034	0,0040	0,0044	0,0048	0,0050	1475
P3	P2 DP3000	0,12	0,14	0,17	0,19	0,22	0,22	0,26	345
	P2 DP3000	0,0048	0,0055	0,0065	0,0075	0,0085	0,0085	0,010	1125
P4	P2 DP3000	0,12	0,13	0,16	0,19	0,22	0,22	0,25	220
	P2 DP3000	0,0048	0,0050	0,0065	0,0075	0,0085	0,0085	0,010	720
P5	P2 DP3000	0,11	0,13	0,16	0,18	0,20	0,22	0,25	210
	P2 DP3000	0,0044	0,0050	0,0065	0,0070	0,0080	0,0085	0,010	690
P6	P2 DP3000	0,11	0,13	0,16	0,18	0,20	0,22	0,25	235
	P2 DP3000	0,0044	0,0050	0,0065	0,0070	0,0080	0,0085	0,010	770
P7	P2 DP3000	0,11	0,13	0,16	0,18	0,20	0,22	0,25	225
	P2 DP3000	0,0044	0,0050	0,0065	0,0070	0,0080	0,0085	0,010	740
P8	P2 DP3000	0,12	0,14	0,17	0,19	0,22	0,22	0,26	210
	P2 DP3000	0,0048	0,0055	0,0065	0,0075	0,0085	0,0085	0,010	690
P11	P2 DP3000	0,11	0,13	0,16	0,18	0,20	0,22	0,25	215
	P2 DP3000	0,0044	0,0050	0,0065	0,0070	0,0080	0,0085	0,010	710
P12	P2 DP3000	0,075	0,090	0,11	0,12	0,14	0,15	0,17	130
	P2 DP3000	0,0030	0,0036	0,0044	0,0048	0,0055	0,0060	0,0065	425
M1	P2 DP3000	0,085	0,10	0,12	0,14	0,16	0,17	0,19	260
	P2 DP3000	0,0034	0,0040	0,0048	0,0055	0,0065	0,0065	0,0075	850
M2	P2 DP3000	0,080	0,090	0,11	0,13	0,14	0,15	0,17	210
	P2 DP3000	0,0032	0,0036	0,0044	0,0050	0,0055	0,0060	0,0065	690
M3	MP DS2050	0,065	0,075	0,090	0,10	0,12	0,13	0,14	160
	MP DS2050	0,0026	0,0030	0,0036	0,0040	0,0048	0,0050	0,0055	520
M4	MP DS2050	0,055	0,065	0,080	0,090	0,10	0,11	0,12	140
	MP DS2050	0,0022	0,0026	0,0032	0,0036	0,0040	0,0044	0,0048	460
M5	MP DS2050	0,055	0,065	0,080	0,090	0,10	0,11	0,12	115
	MP DS2050	0,0022	0,0026	0,0032	0,0036	0,0040	0,0044	0,0048	375
K1	P2 DP2000	0,12	0,14	0,17	0,20	0,22	0,24	0,26	250
	P2 DP2000	0,0048	0,0055	0,0065	0,0080	0,0085	0,0095	0,010	820
K2	P2 DP2000	0,11	0,13	0,16	0,18	0,20	0,22	0,24	215
	P2 DP2000	0,0044	0,0050	0,0065	0,0070	0,0080	0,0085	0,0095	710
K3	P2 DP2000	0,11	0,13	0,16	0,18	0,20	0,22	0,24	185
	P2 DP2000	0,0044	0,0050	0,0065	0,0070	0,0080	0,0085	0,0095	610
K4	P2 DP2000	0,11	0,13	0,16	0,18	0,20	0,22	0,24	175
	P2 DP2000	0,0044	0,0050	0,0065	0,0070	0,0080	0,0085	0,0095	570
K5	P2 DP2000	0,10	0,11	0,14	0,16	0,18	0,19	0,22	105
	P2 DP2000	0,0040	0,0044	0,0055	0,0065	0,0070	0,0075	0,0085	345
N1	P1 T250D	0,12	0,14	0,17	0,20	0,22	0,24	0,26	365
	P1 T250D	0,0048	0,0055	0,0065	0,0080	0,0085	0,0095	0,010	1200
N2	P1 T250D	0,12	0,14	0,17	0,20	0,22	0,24	0,26	235
	P1 T250D	0,0048	0,0055	0,0065	0,0080	0,0085	0,0095	0,010	770
N3	P1 T250D	0,12	0,14	0,17	0,20	0,22	0,24	0,26	155
	P1 T250D	0,0048	0,0055	0,0065	0,0080	0,0085	0,0095	0,010	510
N11	P1 T250D	0,12	0,14	0,17	0,20	0,22	0,24	0,26	310
	P1 T250D	0,0048	0,0055	0,0065	0,0080	0,0085	0,0095	0,010	1025
S1	MP DS2050	0,090	0,11	0,13	0,15	0,17	0,18	0,20	60
	MP DS2050	0,0036	0,0044	0,0050	0,0060	0,0065	0,0070	0,0080	195
S2	MP DS2050	0,090	0,11	0,13	0,15	0,17	0,18	0,20	48
	MP DS2050	0,0036	0,0044	0,0050	0,0060	0,0065	0,0070	0,0080	155
S3	MP DS2050	0,085	0,10	0,12	0,14	0,16	0,17	0,19	41
	MP DS2050	0,0034	0,0040	0,0048	0,0055	0,0065	0,0065	0,0075	135
S11	MP DS2050	0,11	0,12	0,15	0,17	0,19	0,20	0,24	85
	MP DS2050	0,0044	0,0048	0,0060	0,0065	0,0075	0,0080	0,0095	280
S12	MP DS2050	0,11	0,12	0,15	0,17	0,19	0,20	0,24	65
	MP DS2050	0,0044	0,0048	0,0060	0,0065	0,0075	0,0080	0,0095	215
S13	MP DS2050	0,090	0,11	0,13	0,15	0,17	0,18	0,20	50
	MP DS2050	0,0036	0,0044	0,0050	0,0060	0,0065	0,0070	0,0080	165
H3	P1 T250D	0,050	0,060	0,070	0,080	0,095	0,10	0,11	70
	P1 T250D	0,0020	0,0024	0,0028	0,0032	0,0038	0,0040	0,0044	230
H5	P1 T250D	0,075	0,090	0,11	0,12	0,14	0,15	0,17	130
	P1 T250D	0,0030	0,0036	0,0044	0,0048	0,0055	0,0060	0,0065	425
H7	P1 T250D	0,050	0,060	0,070	0,080	0,095	0,10	0,11	70
	P1 T250D	0,0020	0,0024	0,0028	0,0032	0,0038	0,0040	0,0044	230
H8	P1 T250D	0,060	0,070	0,085	0,095	0,11	0,11	0,13	130
	P1 T250D	0,0024	0,0028	0,0034	0,0038	0,0044	0,0044	0,0050	425
H11	P1 T250D	0,075	0,090	0,11	0,12	0,14	0,15	0,17	165
	P1 T250D	0,0030	0,0036	0,0044	0,0048	0,0055	0,0060	0,0065	540
H12	P1 T250D	0,060	0,070	0,085	0,095	0,11	0,11	0,13	150
	P1 T250D	0,0024	0,0028	0,0034	0,0038	0,0044	0,0044	0,0050	490
H21	P1 T250D	0,060	0,070	0,085	0,095	0,11	0,11	0,13	130
	P1 T250D	0,0024	0,0028	0,0034	0,0038	0,0044	0,0044	0,0050	425

SMG = Seco malzeme grubu f = mm/rev (IPR) v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

SD522 Kesme hızı

SMG	v _c			
	DP2000	DP3000	T250D	DS2050
P1	460	415	315	415
	1500	1350	1025	1350
P2	450	405	305	405
	1475	1325	1000	1325
P3	385	345	265	345
	1275	1125	870	1125
P4	285	220	140	—
	940	720	460	—
P5	270	210	135	—
	890	690	445	—
P6	305	235	150	—
	1000	770	490	—
P7	285	225	140	—
	940	740	460	—
P8	270	210	135	—
	890	690	445	—
P11	280	215	140	—
	920	710	460	—
P12	165	130	80	—
	540	425	260	—
M1	—	260	160	—
	—	850	520	—
M2	—	210	130	—
	—	690	425	—
M3	—	160	100	160
	—	520	330	520
M4	—	120	75	140
	—	395	245	460
M5	—	100	60	115
	—	330	195	375
K1	250	235	—	—
	820	770	—	—
K2	215	205	—	—
	710	670	—	—
K3	185	175	—	—
	610	570	—	—
K4	175	165	—	—
	570	540	—	—
K5	105	100	—	—
	345	330	—	—
N1	—	420	365	365
	—	1375	1200	1200
N2	—	270	235	235
	—	890	770	770
N3	—	180	155	155
	—	590	510	510
N11	—	350	310	310
	—	1150	1025	1025
S1	—	—	40	60
	—	—	130	195
S2	—	—	30	48
	—	—	100	155
S3	—	—	30	41
	—	—	100	135
S11	—	—	80	85
	—	—	260	280
S12	—	—	60	65
	—	—	195	215
S13	—	—	46	50
	—	—	150	165
H3	—	70	70	—
	—	230	230	—
H5	—	130	130	—
	—	425	425	—
H7	—	70	70	—
	—	230	230	—
H8	—	130	130	—
	—	425	425	—
H11	—	165	165	—
	—	540	540	—
H12	—	75	150	—
	—	245	490	—
H21	—	130	130	—
	—	425	425	—

SMG = Seco malzeme grubu v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

Giriş

Delme

Raybalama

Baralama

Ek

SD523 Ø 15-60 mm / 0.590-2.375 inç

SMG		f							V _c
		Ø 15,00-19,49 Ø 0.590-0.767	Ø 19,50-22,49 Ø 0.768-0.885	Ø 22,50-28,49 Ø 0.886-1.121	Ø 28,50-34,49 Ø 1.122-1.357	Ø 34,50-40,49 Ø 1.358-1.593	Ø 40,49-44,49 Ø 1.594-1.751	Ø 44,50-59,99 Ø 1.752-2.375	
P1	P1 DP2000	0,060	0,070	0,085	0,095	0,11	0,12	0,13	415
	P1 DP2000	0.0024	0.0028	0.0034	0.0038	0.0044	0.0048	0.0050	1350
P2	P1 DP2000	0,060	0,070	0,085	0,10	0,11	0,12	0,13	405
	P1 DP2000	0.0024	0.0028	0.0034	0.0040	0.0044	0.0048	0.0050	1325
P3	P2 DP3000	0,12	0,14	0,17	0,19	0,22	0,22	0,26	310
	P2 DP3000	0.0048	0.0055	0.0065	0.0075	0.0085	0.0085	0.010	1025
P4	P2 DP3000	0,12	0,13	0,16	0,19	0,22	0,22	0,25	190
	P2 DP3000	0.0048	0.0050	0.0065	0.0075	0.0085	0.0085	0.010	620
P5	P2 DP3000	0,11	0,13	0,16	0,18	0,20	0,22	0,25	180
	P2 DP3000	0.0044	0.0050	0.0065	0.0070	0.0080	0.0085	0.010	590
P6	P2 DP3000	0,11	0,13	0,16	0,18	0,20	0,22	0,25	200
	P2 DP3000	0.0044	0.0050	0.0065	0.0070	0.0080	0.0085	0.010	660
P7	P2 DP3000	0,11	0,13	0,16	0,18	0,20	0,22	0,25	190
	P2 DP3000	0.0044	0.0050	0.0065	0.0070	0.0080	0.0085	0.010	620
P8	P2 DP3000	0,12	0,14	0,17	0,19	0,22	0,22	0,26	180
	P2 DP3000	0.0048	0.0055	0.0065	0.0075	0.0085	0.0085	0.010	590
P11	P2 DP3000	0,11	0,13	0,16	0,18	0,20	0,22	0,25	185
	P2 DP3000	0.0044	0.0050	0.0065	0.0070	0.0080	0.0085	0.010	610
P12	P2 DP3000	0,075	0,090	0,11	0,12	0,14	0,15	0,17	110
	P2 DP3000	0.0030	0.0036	0.0044	0.0048	0.0055	0.0060	0.0065	360
M1	P2 DP3000	0,085	0,10	0,12	0,14	0,16	0,17	0,19	245
	P2 DP3000	0.0034	0.0040	0.0048	0.0055	0.0065	0.0065	0.0075	800
M2	P2 DP3000	0,080	0,090	0,11	0,13	0,14	0,15	0,17	195
	P2 DP3000	0.0032	0.0036	0.0044	0.0050	0.0055	0.0060	0.0065	640
M3	MP DS2050	0,065	0,075	0,090	0,10	0,12	0,13	0,14	150
	MP DS2050	0.0026	0.0030	0.0036	0.0040	0.0048	0.0050	0.0055	490
M4	MP DS2050	0,055	0,065	0,080	0,090	0,10	0,11	0,12	120
	MP DS2050	0.0022	0.0026	0.0032	0.0036	0.0040	0.0044	0.0048	395
M5	MP DS2050	0,055	0,065	0,080	0,090	0,10	0,11	0,12	100
	MP DS2050	0.0022	0.0026	0.0032	0.0036	0.0040	0.0044	0.0048	330
K1	P2 DP2000	0,12	0,14	0,17	0,20	0,22	0,24	0,26	225
	P2 DP2000	0.0048	0.0055	0.0065	0.0080	0.0085	0.0095	0.010	740
K2	P2 DP2000	0,11	0,13	0,16	0,18	0,20	0,22	0,24	195
	P2 DP2000	0.0044	0.0050	0.0065	0.0070	0.0080	0.0085	0.0095	640
K3	P2 DP2000	0,11	0,13	0,16	0,18	0,20	0,22	0,24	165
	P2 DP2000	0.0044	0.0050	0.0065	0.0070	0.0080	0.0085	0.0095	540
K4	P2 DP2000	0,11	0,13	0,16	0,18	0,20	0,22	0,24	160
	P2 DP2000	0.0044	0.0050	0.0065	0.0070	0.0080	0.0085	0.0095	520
K5	P2 DP2000	0,10	0,11	0,14	0,16	0,18	0,19	0,22	95
	P2 DP2000	0.0040	0.0044	0.0055	0.0065	0.0070	0.0075	0.0085	310
N1	P1 T250D	0,12	0,14	0,17	0,20	0,22	0,24	0,26	310
	P1 T250D	0.0048	0.0055	0.0065	0.0080	0.0085	0.0095	0.010	1025
N2	P1 T250D	0,12	0,14	0,17	0,20	0,22	0,24	0,26	200
	P1 T250D	0.0048	0.0055	0.0065	0.0080	0.0085	0.0095	0.010	660
N3	P1 T250D	0,12	0,14	0,17	0,20	0,22	0,24	0,26	135
	P1 T250D	0.0048	0.0055	0.0065	0.0080	0.0085	0.0095	0.010	445
N11	P1 T250D	0,12	0,14	0,17	0,20	0,22	0,24	0,26	260
	P1 T250D	0.0048	0.0055	0.0065	0.0080	0.0085	0.0095	0.010	850
S1	MP DS2050	0,090	0,11	0,13	0,15	0,17	0,18	0,20	55
	MP DS2050	0.0036	0.0044	0.0050	0.0060	0.0065	0.0070	0.0080	180
S2	MP DS2050	0,090	0,11	0,13	0,15	0,17	0,18	0,20	43
	MP DS2050	0.0036	0.0044	0.0050	0.0060	0.0065	0.0070	0.0080	140
S3	MP DS2050	0,085	0,10	0,12	0,14	0,16	0,17	0,19	37
	MP DS2050	0.0034	0.0040	0.0048	0.0055	0.0065	0.0065	0.0075	120
S11	MP DS2050	0,11	0,12	0,15	0,17	0,19	0,20	0,24	75
	MP DS2050	0.0044	0.0048	0.0060	0.0065	0.0075	0.0080	0.0095	245
S12	MP DS2050	0,11	0,12	0,15	0,17	0,19	0,20	0,24	60
	MP DS2050	0.0044	0.0048	0.0060	0.0065	0.0075	0.0080	0.0095	195
S13	MP DS2050	0,090	0,11	0,13	0,15	0,17	0,18	0,20	45
	MP DS2050	0.0036	0.0044	0.0050	0.0060	0.0065	0.0070	0.0080	150
H3	P1 T250D	0,050	0,060	0,070	0,080	0,095	0,10	0,11	60
	P1 T250D	0.0020	0.0024	0.0028	0.0032	0.0038	0.0040	0.0044	195
H5	P1 T250D	0,075	0,090	0,11	0,12	0,14	0,15	0,17	110
	P1 T250D	0.0030	0.0036	0.0044	0.0048	0.0055	0.0060	0.0065	360
H7	P1 T250D	0,050	0,060	0,070	0,080	0,095	0,10	0,11	60
	P1 T250D	0.0020	0.0024	0.0028	0.0032	0.0038	0.0040	0.0044	195
H8	P1 T250D	0,060	0,070	0,085	0,095	0,11	0,11	0,13	110
	P1 T250D	0.0024	0.0028	0.0034	0.0038	0.0044	0.0044	0.0050	360
H11	P1 T250D	0,075	0,090	0,11	0,12	0,14	0,15	0,17	140
	P1 T250D	0.0030	0.0036	0.0044	0.0048	0.0055	0.0060	0.0065	460
H12	P1 T250D	0,060	0,070	0,085	0,095	0,11	0,11	0,13	130
	P1 T250D	0.0024	0.0028	0.0034	0.0038	0.0044	0.0044	0.0050	425
H21	P1 T250D	0,060	0,070	0,085	0,095	0,11	0,11	0,13	110
	P1 T250D	0.0024	0.0028	0.0034	0.0038	0.0044	0.0044	0.0050	360

SMG = Seco malzeme grubu f = mm/rev (IPR) v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

SD523 Kesme hızı

SMG	v _c			
	DP2000	DP3000	T250D	DS2050
P1	415	370	265	370
	1350	1225	870	1225
P2	405	360	260	360
	1325	1175	850	1175
P3	345	310	225	310
	1125	1025	740	1025
P4	230	190	120	—
	750	620	395	—
P5	220	180	115	—
	720	590	375	—
P6	250	200	130	—
	820	660	425	—
P7	235	190	120	—
	770	620	395	—
P8	220	180	115	—
	720	590	375	—
P11	225	185	115	—
	740	610	375	—
P12	135	110	70	—
	445	360	230	—
M1	—	245	135	—
	—	800	445	—
M2	—	195	110	—
	—	640	360	—
M3	—	150	85	150
	—	490	280	490
M4	—	115	65	120
	—	375	215	395
M5	—	95	55	100
	—	310	180	330
K1	225	215	—	—
	740	710	—	—
K2	195	185	—	—
	640	610	—	—
K3	165	160	—	—
	540	520	—	—
K4	160	150	—	—
	520	490	—	—
K5	95	90	—	—
	310	295	—	—
N1	—	360	310	310
	—	1175	1025	1025
N2	—	230	200	200
	—	750	660	660
N3	—	155	135	135
	—	510	445	445
N11	—	300	260	260
	—	980	850	850
S1	—	—	34	55
	—	—	110	180
S2	—	—	25	43
	—	—	80	140
S3	—	—	25	37
	—	—	80	120
S11	—	—	65	75
	—	—	215	245
S12	—	—	50	60
	—	—	165	195
S13	—	—	39	45
	—	—	130	150
H3	—	60	60	—
	—	195	195	—
H5	—	115	110	—
	—	375	360	—
H7	—	60	60	—
	—	195	195	—
H8	—	115	110	—
	—	375	360	—
H11	—	145	140	—
	—	475	460	—
H12	—	65	130	—
	—	215	425	—
H21	—	115	110	—
	—	375	360	—

SMG = Seco malzeme grubu v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

Giriş

Delme

Raybalama

Baralama

Ek

SD524 Ø 17-60 mm / 0.590-2.375 inç

SMG		f							v _c
		Ø 15,00-19,49 Ø 0.590-0.767	Ø 19,50-22,49 Ø 0.768-0.885	Ø 22,50-28,49 Ø 0.886-1.121	Ø 28,50-34,49 Ø 1.122-1.357	Ø 34,50-40,49 Ø 1.358-1.593	Ø 40,49-44,49 Ø 1.594-1.751	Ø 44,50-59,99 Ø 1.752-2.375	
P1	P1 DP2000	0,060	0,070	0,085	0,095	0,11	0,12	0,13	380
	P1 DP2000	0,0024	0,0028	0,0034	0,0038	0,0044	0,0048	0,0050	1250
P2	P1 DP2000	0,060	0,070	0,085	0,10	0,11	0,12	0,13	370
	P1 DP2000	0,0024	0,0028	0,0034	0,0040	0,0044	0,0048	0,0050	1225
P3	P2 DP3000	0,12	0,14	0,17	0,19	0,22	0,22	0,26	285
	P2 DP3000	0,0048	0,0055	0,0065	0,0075	0,0085	0,0085	0,010	940
P4	P2 DP3000	0,12	0,13	0,16	0,19	0,22	0,22	0,25	165
	P2 DP3000	0,0048	0,0050	0,0065	0,0075	0,0085	0,0085	0,010	540
P5	P2 DP3000	0,11	0,13	0,16	0,18	0,20	0,22	0,25	160
	P2 DP3000	0,0044	0,0050	0,0065	0,0070	0,0080	0,0085	0,010	520
P6	P2 DP3000	0,11	0,13	0,16	0,18	0,20	0,22	0,25	180
	P2 DP3000	0,0044	0,0050	0,0065	0,0070	0,0080	0,0085	0,010	590
P7	P2 DP3000	0,11	0,13	0,16	0,18	0,20	0,22	0,25	170
	P2 DP3000	0,0044	0,0050	0,0065	0,0070	0,0080	0,0085	0,010	560
P8	P2 DP3000	0,12	0,14	0,17	0,19	0,22	0,22	0,26	160
	P2 DP3000	0,0048	0,0055	0,0065	0,0075	0,0085	0,0085	0,010	520
P11	P2 DP3000	0,11	0,13	0,16	0,18	0,20	0,22	0,25	165
	P2 DP3000	0,0044	0,0050	0,0065	0,0070	0,0080	0,0085	0,010	540
P12	P2 DP3000	0,075	0,090	0,11	0,12	0,14	0,15	0,17	95
	P2 DP3000	0,0030	0,0036	0,0044	0,0048	0,0055	0,0060	0,0065	310
M1	P2 DP3000	0,085	0,10	0,12	0,14	0,16	0,17	0,19	235
	P2 DP3000	0,0034	0,0040	0,0048	0,0055	0,0065	0,0065	0,0075	770
M2	P2 DP3000	0,080	0,090	0,11	0,13	0,14	0,15	0,17	190
	P2 DP3000	0,0032	0,0036	0,0044	0,0050	0,0055	0,0060	0,0065	620
M3	MP DS2050	0,065	0,075	0,090	0,10	0,12	0,13	0,14	145
	MP DS2050	0,0026	0,0030	0,0036	0,0040	0,0048	0,0050	0,0055	475
M4	MP DS2050	0,055	0,065	0,080	0,090	0,10	0,11	0,12	105
	MP DS2050	0,0022	0,0026	0,0032	0,0036	0,0040	0,0044	0,0048	345
M5	MP DS2050	0,055	0,065	0,080	0,090	0,10	0,11	0,12	90
	MP DS2050	0,0022	0,0026	0,0032	0,0036	0,0040	0,0044	0,0048	295
K1	P2 DP2000	0,12	0,14	0,17	0,20	0,22	0,24	0,26	210
	P2 DP2000	0,0048	0,0055	0,0065	0,0080	0,0085	0,0095	0,010	690
K2	P2 DP2000	0,11	0,13	0,16	0,18	0,20	0,22	0,24	180
	P2 DP2000	0,0044	0,0050	0,0065	0,0070	0,0080	0,0085	0,0095	590
K3	P2 DP2000	0,11	0,13	0,16	0,18	0,20	0,22	0,24	155
	P2 DP2000	0,0044	0,0050	0,0065	0,0070	0,0080	0,0085	0,0095	510
K4	P2 DP2000	0,11	0,13	0,16	0,18	0,20	0,22	0,24	145
	P2 DP2000	0,0044	0,0050	0,0065	0,0070	0,0080	0,0085	0,0095	475
K5	P2 DP2000	0,10	0,11	0,14	0,16	0,18	0,19	0,22	85
	P2 DP2000	0,0040	0,0044	0,0055	0,0065	0,0070	0,0075	0,0085	280
N1	P1 T250D	0,12	0,14	0,17	0,20	0,22	0,24	0,26	270
	P1 T250D	0,0048	0,0055	0,0065	0,0080	0,0085	0,0095	0,010	890
N2	P1 T250D	0,12	0,14	0,17	0,20	0,22	0,24	0,26	175
	P1 T250D	0,0048	0,0055	0,0065	0,0080	0,0085	0,0095	0,010	570
N3	P1 T250D	0,12	0,14	0,17	0,20	0,22	0,24	0,26	115
	P1 T250D	0,0048	0,0055	0,0065	0,0080	0,0085	0,0095	0,010	375
N11	P1 T250D	0,12	0,14	0,17	0,20	0,22	0,24	0,26	230
	P1 T250D	0,0048	0,0055	0,0065	0,0080	0,0085	0,0095	0,010	750
S1	MP DS2050	0,090	0,11	0,13	0,15	0,17	0,18	0,20	48
	MP DS2050	0,0036	0,0044	0,0050	0,0060	0,0065	0,0070	0,0080	155
S2	MP DS2050	0,090	0,11	0,13	0,15	0,17	0,18	0,20	39
	MP DS2050	0,0036	0,0044	0,0050	0,0060	0,0065	0,0070	0,0080	130
S3	MP DS2050	0,085	0,10	0,12	0,14	0,16	0,17	0,19	33
	MP DS2050	0,0034	0,0040	0,0048	0,0055	0,0065	0,0065	0,0075	110
S11	MP DS2050	0,11	0,12	0,15	0,17	0,19	0,20	0,24	70
	MP DS2050	0,0044	0,0048	0,0060	0,0065	0,0075	0,0080	0,0095	230
S12	MP DS2050	0,11	0,12	0,15	0,17	0,19	0,20	0,24	55
	MP DS2050	0,0044	0,0048	0,0060	0,0065	0,0075	0,0080	0,0095	180
S13	MP DS2050	0,090	0,11	0,13	0,15	0,17	0,18	0,20	41
	MP DS2050	0,0036	0,0044	0,0050	0,0060	0,0065	0,0070	0,0080	135
H3	P1 T250D	0,050	0,060	0,070	0,080	0,095	0,10	0,11	50
	P1 T250D	0,0020	0,0024	0,0028	0,0032	0,0038	0,0040	0,0044	165
H5	P1 T250D	0,075	0,090	0,11	0,12	0,14	0,15	0,17	95
	P1 T250D	0,0030	0,0036	0,0044	0,0048	0,0055	0,0060	0,0065	310
H7	P1 T250D	0,050	0,060	0,070	0,080	0,095	0,10	0,11	50
	P1 T250D	0,0020	0,0024	0,0028	0,0032	0,0038	0,0040	0,0044	165
H8	P1 T250D	0,060	0,070	0,085	0,095	0,11	0,11	0,13	95
	P1 T250D	0,0024	0,0028	0,0034	0,0038	0,0044	0,0044	0,0050	310
H11	P1 T250D	0,075	0,090	0,11	0,12	0,14	0,15	0,17	125
	P1 T250D	0,0030	0,0036	0,0044	0,0048	0,0055	0,0060	0,0065	410
H12	P1 T250D	0,060	0,070	0,085	0,095	0,11	0,11	0,13	110
	P1 T250D	0,0024	0,0028	0,0034	0,0038	0,0044	0,0044	0,0050	360
H21	P1 T250D	0,060	0,070	0,085	0,095	0,11	0,11	0,13	95
	P1 T250D	0,0024	0,0028	0,0034	0,0038	0,0044	0,0044	0,0050	310

SMG = Seco malzeme grubu f = mm/rev (IPR) v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

SD524 Kesme hızı

SMG	v _c			
	DP2000	DP3000	T250D	DS2050
P1	380	340	230	340
	1250	1125	750	1125
P2	370	330	225	330
	1225	1075	740	1075
P3	320	285	195	285
	1050	940	640	940
P4	195	165	105	—
	640	540	345	—
P5	185	160	100	—
	610	520	330	—
P6	210	180	110	—
	690	590	360	—
P7	195	170	105	—
	640	560	345	—
P8	185	160	100	—
	610	520	330	—
P11	190	165	100	—
	620	540	330	—
P12	110	95	60	—
	360	310	195	—
M1	—	235	120	—
	—	770	395	—
M2	—	190	95	—
	—	620	310	—
M3	—	145	75	145
	—	475	245	475
M4	—	110	55	105
	—	360	180	345
M5	—	90	46	90
	—	295	150	295
K1	210	200	—	—
	690	660	—	—
K2	180	170	—	—
	590	560	—	—
K3	155	145	—	—
	510	475	—	—
K4	145	140	—	—
	475	460	—	—
K5	85	85	—	—
	280	280	—	—
N1	—	315	270	270
	—	1025	890	890
N2	—	205	175	175
	—	670	570	570
N3	—	135	115	115
	—	445	375	375
N11	—	265	230	230
	—	870	750	750
S1	—	—	29	48
	—	—	95	155
S2	—	—	22	39
	—	—	70	130
S3	—	—	22	33
	—	—	70	110
S11	—	—	55	70
	—	—	180	230
S12	—	—	44	55
	—	—	145	180
S13	—	—	34	41
	—	—	110	135
H3	—	55	50	—
	—	180	165	—
H5	—	100	95	—
	—	330	310	—
H7	—	55	50	—
	—	180	165	—
H8	—	100	95	—
	—	330	310	—
H11	—	125	125	—
	—	410	410	—
H12	—	55	110	—
	—	180	360	—
H21	—	100	95	—
	—	330	310	—

SMG = Seco malzeme grubu v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

Giriş

Delme

Raybalama

Baralama

Ek

SD525 Ø 19-45 mm / 0.768-2.000 inç

SMG		f					v _c
		Ø 19,50-22,49 Ø 0.768-0.885	Ø 22,50-28,49 Ø 0.886-1.121	Ø 28,50-34,49 Ø 1.122-1.357	Ø 34,50-40,49 Ø 1.358-1.593	Ø 40,49-45,00 Ø 1.594-2.000	
P1	P2 DP3000	0,070	0,085	0,095	0,11	0,12	320
	P2 DP3000	0,0028	0,0034	0,0038	0,0044	0,0048	1050
P2	P2 DP3000	0,070	0,085	0,10	0,11	0,12	310
	P2 DP3000	0,0028	0,0034	0,0040	0,0044	0,0048	1025
P3	P2 DP3000	0,14	0,17	0,19	0,22	0,22	265
	P2 DP3000	0,0055	0,0065	0,0075	0,0085	0,0085	870
P4	P2 DP3000	0,13	0,16	0,19	0,22	0,22	150
	P2 DP3000	0,0050	0,0065	0,0075	0,0085	0,0085	490
P5	P2 DP3000	0,13	0,16	0,18	0,20	0,22	140
	P2 DP3000	0,0050	0,0065	0,0070	0,0080	0,0085	460
P6	P2 DP3000	0,13	0,16	0,18	0,20	0,22	160
	P2 DP3000	0,0050	0,0065	0,0070	0,0080	0,0085	520
P7	P2 DP3000	0,13	0,16	0,18	0,20	0,22	150
	P2 DP3000	0,0050	0,0065	0,0070	0,0080	0,0085	490
P8	P2 DP3000	0,14	0,17	0,19	0,22	0,22	140
	P2 DP3000	0,0055	0,0065	0,0075	0,0085	0,0085	460
P11	P2 DP3000	0,13	0,16	0,18	0,20	0,22	145
	P2 DP3000	0,0050	0,0065	0,0070	0,0080	0,0085	475
P12	P2 DP3000	0,090	0,11	0,12	0,14	0,15	85
	P2 DP3000	0,0036	0,0044	0,0048	0,0055	0,0060	280
M1	P2 DP3000	0,10	0,12	0,14	0,16	0,17	225
	P2 DP3000	0,0040	0,0048	0,0055	0,0065	0,0065	740
M2	P2 DP3000	0,090	0,11	0,13	0,14	0,15	180
	P2 DP3000	0,0036	0,0044	0,0050	0,0055	0,0060	590
M3	MP DS2050	0,075	0,090	0,10	0,12	0,13	140
	MP DS2050	0,0030	0,0036	0,0040	0,0048	0,0050	460
M4	MP DS2050	0,065	0,080	0,090	0,10	0,11	95
	MP DS2050	0,0026	0,0032	0,0036	0,0040	0,0044	310
M5	MP DS2050	0,065	0,080	0,090	0,10	0,11	80
	MP DS2050	0,0026	0,0032	0,0036	0,0040	0,0044	260
K1	P2 DP3000	0,14	0,17	0,20	0,22	0,24	185
	P2 DP3000	0,0055	0,0065	0,0080	0,0085	0,0095	610
K2	P2 DP3000	0,13	0,16	0,18	0,20	0,22	160
	P2 DP3000	0,0050	0,0065	0,0070	0,0080	0,0085	520
K3	P2 DP3000	0,13	0,16	0,18	0,20	0,22	135
	P2 DP3000	0,0050	0,0065	0,0070	0,0080	0,0085	445
K4	P2 DP3000	0,13	0,16	0,18	0,20	0,22	130
	P2 DP3000	0,0050	0,0065	0,0070	0,0080	0,0085	425
K5	P2 DP3000	0,11	0,14	0,16	0,18	0,19	80
	P2 DP3000	0,0044	0,0055	0,0065	0,0070	0,0075	260
N1	P1 T250D	0,14	0,17	0,20	0,22	0,24	240
	P1 T250D	0,0055	0,0065	0,0080	0,0085	0,0095	790
N2	P1 T250D	0,14	0,17	0,20	0,22	0,24	155
	P1 T250D	0,0055	0,0065	0,0080	0,0085	0,0095	510
N3	P1 T250D	0,14	0,17	0,20	0,22	0,24	100
	P1 T250D	0,0055	0,0065	0,0080	0,0085	0,0095	330
N11	P1 T250D	0,14	0,17	0,20	0,22	0,24	200
	P1 T250D	0,0055	0,0065	0,0080	0,0085	0,0095	660
S1	MP DS2050	0,11	0,13	0,15	0,17	0,18	44
	MP DS2050	0,0044	0,0050	0,0060	0,0065	0,0070	145
S2	MP DS2050	0,11	0,13	0,15	0,17	0,18	36
	MP DS2050	0,0044	0,0050	0,0060	0,0065	0,0070	120
S3	MP DS2050	0,10	0,12	0,14	0,16	0,17	31
	MP DS2050	0,0040	0,0048	0,0055	0,0065	0,0065	100
S11	MP DS2050	0,12	0,15	0,17	0,19	0,20	65
	MP DS2050	0,0048	0,0060	0,0065	0,0075	0,0080	215
S12	MP DS2050	0,12	0,15	0,17	0,19	0,20	49
	MP DS2050	0,0048	0,0060	0,0065	0,0075	0,0080	160
S13	MP DS2050	0,11	0,13	0,15	0,17	0,18	38
	MP DS2050	0,0044	0,0050	0,0060	0,0065	0,0070	125
H3	P1 T250D	0,060	0,070	0,085	0,095	0,10	46
	P1 T250D	0,0024	0,0028	0,0034	0,0038	0,0040	150
H5	P1 T250D	0,090	0,11	0,12	0,14	0,15	85
	P1 T250D	0,0036	0,0044	0,0048	0,0055	0,0060	280
H7	P1 T250D	0,060	0,070	0,085	0,095	0,10	46
	P1 T250D	0,0024	0,0028	0,0034	0,0038	0,0040	150
H8	P1 T250D	0,070	0,085	0,095	0,11	0,11	85
	P1 T250D	0,0028	0,0034	0,0038	0,0044	0,0044	280
H11	P1 T250D	0,090	0,11	0,12	0,14	0,15	110
	P1 T250D	0,0036	0,0044	0,0048	0,0055	0,0060	360
H12	P1 T250D	0,070	0,085	0,095	0,11	0,11	100
	P1 T250D	0,0028	0,0034	0,0038	0,0044	0,0044	330
H21	P1 T250D	0,070	0,085	0,095	0,11	0,11	85
	P1 T250D	0,0028	0,0034	0,0038	0,0044	0,0044	280

SMG = Seco malzeme grubu f = mm/rev (IPR) v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

SD525 Kesme hızı

SMG	v _c			
	DP2000	DP3000	T250D	DS2050
P1	355	320	205	320
	1175	1050	670	1050
P2	345	310	200	310
	1125	1025	660	1025
P3	295	265	170	265
	970	870	560	870
P4	165	150	90	—
	540	490	295	—
P5	155	140	90	—
	510	460	295	—
P6	175	160	100	—
	570	520	330	—
P7	165	150	95	—
	540	490	310	—
P8	155	140	90	—
	510	460	295	—
P11	160	145	90	—
	520	475	295	—
P12	95	85	55	—
	310	280	180	—
M1	—	225	105	—
	—	740	345	—
M2	—	180	85	—
	—	590	280	—
M3	—	140	65	140
	—	460	215	460
M4	—	105	49	95
	—	345	160	310
M5	—	85	41	80
	—	280	135	260
K1	195	185	—	—
	640	610	—	—
K2	170	160	—	—
	560	520	—	—
K3	145	135	—	—
	475	445	—	—
K4	140	130	—	—
	460	425	—	—
K5	80	80	—	—
	260	260	—	—
N1	—	285	240	240
	—	940	790	790
N2	—	185	155	155
	—	610	510	510
N3	—	120	100	100
	—	395	330	330
N11	—	235	200	200
	—	770	660	660
S1	—	—	26	44
	—	—	85	145
S2	—	—	20	36
	—	—	65	120
S3	—	—	20	31
	—	—	65	100
S11	—	—	50	65
	—	—	165	215
S12	—	—	39	49
	—	—	130	160
S13	—	—	30	38
	—	—	100	125
H3	—	48	46	—
	—	155	150	—
H5	—	90	85	—
	—	295	280	—
H7	—	48	46	—
	—	155	150	—
H8	—	90	85	—
	—	295	280	—
H11	—	115	110	—
	—	375	360	—
H12	—	50	100	—
	—	165	330	—
H21	—	90	85	—
	—	295	280	—

SMG = Seco malzeme grubu v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

Giriş

Delme

Raybalama

Baralama

Ek

SD542 Ø 60-85 mm / 2.250-3.500 inç

SMG		f		v _c
		Ø60,00-65,00 Ø 2.250-2.559	Ø70,00-85,00 Ø 2.750-3.500	
P1	P2 DP3000	0,095	0,12	390
	P2 DP3000	0,0038	0,0048	1275
P2	P2 DP3000	0,10	0,12	380
	P2 DP3000	0,0040	0,0048	1250
P3	P2 DP3000	0,19	0,22	325
	P2 DP3000	0,0075	0,0085	1075
P4	P2 DP3000	0,19	0,22	205
	P2 DP3000	0,0075	0,0085	670
P5	P2 DP3000	0,18	0,22	195
	P2 DP3000	0,0070	0,0085	640
P6	P2 DP3000	0,18	0,22	220
	P2 DP3000	0,0070	0,0085	720
P7	P2 DP3000	0,18	0,22	205
	P2 DP3000	0,0070	0,0085	670
P8	P2 DP3000	0,19	0,22	195
	P2 DP3000	0,0075	0,0085	640
P11	P2 DP3000	0,18	0,22	200
	P2 DP3000	0,0070	0,0085	660
P12	P2 DP3000	0,12	0,15	120
	P2 DP3000	0,0048	0,0060	395
M1	P2 DP3000	0,14	0,17	250
	P2 DP3000	0,0055	0,0065	820
M2	P2 DP3000	0,13	0,15	205
	P2 DP3000	0,0050	0,0060	670
M3	P1 T250D	0,10	0,12	90
	P1 T250D	0,0040	0,0048	295
M4	P1 T250D	0,090	0,11	70
	P1 T250D	0,0036	0,0044	230
M5	P1 T250D	0,090	0,11	55
	P1 T250D	0,0036	0,0044	180
K1	P2 DP3000	0,20	0,24	225
	P2 DP3000	0,0080	0,0095	740
K2	P2 DP3000	0,18	0,22	195
	P2 DP3000	0,0070	0,0085	640
K3	P2 DP3000	0,18	0,22	165
	P2 DP3000	0,0070	0,0085	540
K4	P2 DP3000	0,18	0,22	160
	P2 DP3000	0,0070	0,0085	520
K5	P2 DP3000	0,16	0,19	95
	P2 DP3000	0,0065	0,0075	310
N1	P1 T250D	0,20	0,24	335
	P1 T250D	0,0080	0,0095	1100
N2	P1 T250D	0,20	0,24	215
	P1 T250D	0,0080	0,0095	710
N3	P1 T250D	0,20	0,24	145
	P1 T250D	0,0080	0,0095	475
N11	P1 T250D	0,20	0,24	285
	P1 T250D	0,0080	0,0095	940
S1	MP DS2050	0,15	0,18	55
	MP DS2050	0,0060	0,0070	180
S2	MP DS2050	0,15	0,18	45
	MP DS2050	0,0060	0,0070	150
S3	MP DS2050	0,14	0,17	39
	MP DS2050	0,0055	0,0065	130
S11	MP DS2050	0,17	0,20	80
	MP DS2050	0,0065	0,0080	260
S12	MP DS2050	0,17	0,20	60
	MP DS2050	0,0065	0,0080	195
S13	MP DS2050	0,15	0,18	48
	MP DS2050	0,0060	0,0070	155
H3	P1 T250D	0,080	0,10	65
	P1 T250D	0,0032	0,0040	215
H5	P1 T250D	0,12	0,15	120
	P1 T250D	0,0048	0,0060	395
H7	P1 T250D	0,080	0,10	65
	P1 T250D	0,0032	0,0040	215
H8	P1 T250D	0,095	0,11	120
	P1 T250D	0,0038	0,0044	395
H11	P1 T250D	0,12	0,15	155
	P1 T250D	0,0048	0,0060	510
H12	P1 T250D	0,095	0,11	140
	P1 T250D	0,0038	0,0044	460
H21	P1 T250D	0,095	0,11	120
	P1 T250D	0,0038	0,0044	395

SMG = Seco malzeme grubu f = mm/rev (IPR) v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

SD542 Kesme hızı

SMG	v _c			
	DP2000	DP3000	T250D	DS2050
P1	435	390	290	390
	1425	1275	950	1275
P2	425	380	280	380
	1400	1250	920	1250
P3	365	325	240	325
	1200	1075	790	1075
P4	255	205	130	—
	840	670	425	—
P5	245	195	125	—
	800	640	410	—
P6	275	220	140	—
	900	720	460	—
P7	260	205	130	—
	850	670	425	—
P8	245	195	125	—
	800	640	410	—
P11	250	200	125	—
	820	660	410	—
P12	150	120	75	—
	490	395	245	—
M1	—	250	150	—
	—	820	490	—
M2	—	205	120	—
	—	670	395	—
M3	—	155	90	155
	—	510	295	510
M4	—	115	70	130
	—	375	230	425
M5	—	95	55	105
	—	310	180	345
K1	235	225	—	—
	770	740	—	—
K2	205	195	—	—
	670	640	—	—
K3	175	165	—	—
	570	540	—	—
K4	165	160	—	—
	540	520	—	—
K5	100	95	—	—
	330	310	—	—
N1	—	390	335	335
	—	1275	1100	1100
N2	—	250	215	215
	—	820	710	710
N3	—	165	145	145
	—	540	475	475
N11	—	325	285	285
	—	1075	940	940
S1	—	—	37	55
	—	—	120	180
S2	—	—	27	45
	—	—	90	150
S3	—	—	27	39
	—	—	90	130
S11	—	—	70	80
	—	—	230	260
S12	—	—	55	60
	—	—	180	195
S13	—	—	43	48
	—	—	140	155
H3	—	65	65	—
	—	215	215	—
H5	—	120	120	—
	—	395	395	—
H7	—	65	65	—
	—	215	215	—
H8	—	120	120	—
	—	395	395	—
H11	—	155	155	—
	—	510	510	—
H12	—	70	140	—
	—	230	460	—
H21	—	120	120	—
	—	395	395	—

SMG = Seco malzeme grubu v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

Giriş

Delme

Raybalama

Baralama

Ek

SD572 Ø 15-52 mm / 0.590-2.0472 inç

SMG		f						V _c
		Ø15,00-17,00 Ø 0.590-0.669	Ø18,00-20,00 Ø 0.670-0.787	Ø21,00-24,00 Ø 0.788-0.944	Ø25,00-32,00 Ø 0.945-1.259	Ø33,00-36,00 Ø 1.260-1.417	Ø37,00-52,00 Ø 1.418-1.850	
P1	85 DP3000	0,042	0,042	0,048	0,060	0,070	0,085	310
	85 DP3000	0.0017	0.0017	0.0019	0.0024	0.0028	0.0034	1025
P2	85 DP3000	0,042	0,042	0,050	0,060	0,070	0,085	305
	85 DP3000	0.0017	0.0017	0.0020	0.0024	0.0028	0.0034	1000
P3	86 DP3000	0,12	0,12	0,13	0,17	0,19	0,22	260
	86 DP3000	0.0048	0.0048	0.0050	0.0065	0.0075	0.0085	850
P4	86 DP3000	0,11	0,11	0,13	0,16	0,19	0,22	230
	86 DP3000	0.0044	0.0044	0.0050	0.0065	0.0075	0.0085	750
P5	86 DP3000	0,11	0,11	0,13	0,16	0,18	0,22	220
	86 DP3000	0.0044	0.0044	0.0050	0.0065	0.0070	0.0085	720
P6	86 DP3000	0,11	0,11	0,13	0,16	0,18	0,22	245
	86 DP3000	0.0044	0.0044	0.0050	0.0065	0.0070	0.0085	800
P7	86 DP3000	0,11	0,11	0,13	0,16	0,18	0,22	235
	86 DP3000	0.0044	0.0044	0.0050	0.0065	0.0070	0.0085	770
P8	86 DP3000	0,12	0,12	0,13	0,17	0,19	0,22	220
	86 DP3000	0.0048	0.0048	0.0050	0.0065	0.0075	0.0085	720
P11	86 DP3000	0,11	0,11	0,13	0,16	0,18	0,22	225
	86 DP3000	0.0044	0.0044	0.0050	0.0065	0.0070	0.0085	740
P12	86 DP3000	0,075	0,075	0,085	0,11	0,12	0,15	135
	86 DP3000	0.0030	0.0030	0.0034	0.0044	0.0048	0.0060	445
M1	86 DP3000	0,075	0,075	0,085	0,11	0,12	0,15	235
	86 DP3000	0.0030	0.0030	0.0034	0.0044	0.0048	0.0060	770
M2	86 DP3000	0,070	0,070	0,080	0,10	0,11	0,14	190
	86 DP3000	0.0028	0.0028	0.0032	0.0040	0.0044	0.0055	620
M3	85 DP3000	0,034	0,034	0,040	0,048	0,055	0,070	145
	85 DP3000	0.0013	0.0013	0.0016	0.0019	0.0022	0.0028	475
M4	85 DP3000	0,030	0,030	0,034	0,042	0,050	0,060	110
	85 DP3000	0.0012	0.0012	0.0013	0.0017	0.0020	0.0024	360
M5	85 DP3000	0,030	0,030	0,034	0,042	0,050	0,060	90
	85 DP3000	0.0012	0.0012	0.0013	0.0017	0.0020	0.0024	295
K1	86 DP3000	0,12	0,12	0,14	0,17	0,20	0,24	180
	86 DP3000	0.0048	0.0048	0.0055	0.0065	0.0080	0.0095	590
K2	86 DP3000	0,11	0,11	0,13	0,16	0,18	0,22	155
	86 DP3000	0.0044	0.0044	0.0050	0.0065	0.0070	0.0085	510
K3	86 DP3000	0,11	0,11	0,13	0,16	0,18	0,22	130
	86 DP3000	0.0044	0.0044	0.0050	0.0065	0.0070	0.0085	425
K4	86 DP3000	0,11	0,11	0,13	0,16	0,18	0,22	125
	86 DP3000	0.0044	0.0044	0.0050	0.0065	0.0070	0.0085	410
K5	86 DP3000	0,10	0,10	0,11	0,14	0,16	0,19	75
	86 DP3000	0.0040	0.0040	0.0044	0.0055	0.0065	0.0075	245
S1	85 DP3000	0,055	0,055	0,060	0,075	0,090	0,11	40
	85 DP3000	0.0022	0.0022	0.0024	0.0030	0.0036	0.0044	130
S2	85 DP3000	0,055	0,055	0,060	0,075	0,090	0,11	30
	85 DP3000	0.0022	0.0022	0.0024	0.0030	0.0036	0.0044	100
S3	85 DP3000	0,050	0,050	0,060	0,070	0,085	0,10	30
	85 DP3000	0.0020	0.0020	0.0024	0.0028	0.0034	0.0040	100
S11	85 DP3000	0,060	0,060	0,070	0,090	0,10	0,12	80
	85 DP3000	0.0024	0.0024	0.0028	0.0036	0.0040	0.0048	260
S12	85 DP3000	0,060	0,060	0,070	0,090	0,10	0,12	60
	85 DP3000	0.0024	0.0024	0.0028	0.0036	0.0040	0.0048	195
S13	85 DP3000	0,055	0,055	0,060	0,075	0,090	0,11	47
	85 DP3000	0.0022	0.0022	0.0024	0.0030	0.0036	0.0044	155
H3	86 DP3000	0,050	0,050	0,060	0,070	0,085	0,10	80
	86 DP3000	0.0020	0.0020	0.0024	0.0028	0.0034	0.0040	260
H5	86 DP3000	0,075	0,075	0,085	0,11	0,12	0,15	150
	86 DP3000	0.0030	0.0030	0.0034	0.0044	0.0048	0.0060	490
H7	86 DP3000	0,050	0,050	0,060	0,070	0,085	0,10	80
	86 DP3000	0.0020	0.0020	0.0024	0.0028	0.0034	0.0040	260
H8	86 DP3000	0,060	0,060	0,065	0,085	0,095	0,11	150
	86 DP3000	0.0024	0.0024	0.0026	0.0034	0.0038	0.0044	490
H11	86 DP3000	0,075	0,075	0,085	0,11	0,12	0,15	195
	86 DP3000	0.0030	0.0030	0.0034	0.0044	0.0048	0.0060	640
H12	86 DP3000	0,060	0,060	0,065	0,085	0,095	0,11	80
	86 DP3000	0.0024	0.0024	0.0026	0.0034	0.0038	0.0044	260
H21	86 DP3000	0,060	0,060	0,065	0,085	0,095	0,11	150
	86 DP3000	0.0024	0.0024	0.0026	0.0034	0.0038	0.0044	490

SMG = Seco malzeme grubu f = mm/rev (IPR) v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

SD572 Kesme hızı

SMG	v_c	
	DP2000	
P1	375	
	1225	
P2	365	
	1200	
P3	315	
	1025	
P4	280	
	920	
P5	265	
	870	
P6	300	
	980	
P7	280	
	920	
P8	265	
	870	
P11	275	
	900	
P12	160	
	520	
M1	285	
	940	
M2	230	
	750	
M3	175	
	570	
M4	130	
	425	
M5	110	
	360	
K1	215	
	710	
K2	185	
	610	
K3	160	
	520	
K4	150	
	490	
K5	90	
	295	
S1	—	
	—	
S2	—	
	—	
S3	—	
	—	
S11	—	
	—	
S12	—	
	—	
S13	—	
	—	
H3	80	
	260	
H5	150	
	490	
H7	80	
	260	
H8	150	
	490	
H11	195	
	640	
H12	95	
	310	
H21	150	
	490	

SMG = Seco malzeme grubu v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

Giriş

Delme

Raybalama

Baralama

Ek

SD602 Ø 60-160 mm / 2.362-6.300 inç

SMG		f					v _c
		Ø60,00-69,99 Ø 2.362-2.755	Ø70,00-91,99 Ø 2.756-3.621	Ø92,00-110,99 Ø 3.622-4.369	Ø111,00-134,99 Ø 4.370-4.314	Ø135,00-160,00 Ø 4.315-6.300	
P1	P2 DP3000	0,085	0,095	0,12	0,13	0,12	295
	P2 DP3000	0,0034	0,0038	0,0048	0,0050	0,0048	970
P2	P2 DP3000	0,085	0,10	0,12	0,13	0,12	285
	P2 DP3000	0,0034	0,0040	0,0048	0,0050	0,0048	940
P3	P2 DP3000	0,17	0,19	0,22	0,26	0,22	245
	P2 DP3000	0,0065	0,0075	0,0085	0,010	0,0085	800
P4	P2 DP3000	0,16	0,19	0,22	0,25	0,22	130
	P2 DP3000	0,0065	0,0075	0,0085	0,010	0,0085	425
P5	P2 DP3000	0,16	0,18	0,22	0,25	0,22	125
	P2 DP3000	0,0065	0,0070	0,0085	0,010	0,0085	410
P6	P2 DP3000	0,16	0,18	0,22	0,25	0,22	140
	P2 DP3000	0,0065	0,0070	0,0085	0,010	0,0085	460
P7	P2 DP3000	0,16	0,18	0,22	0,25	0,22	135
	P2 DP3000	0,0065	0,0070	0,0085	0,010	0,0085	445
P8	P2 DP3000	0,17	0,19	0,22	0,26	0,22	125
	P2 DP3000	0,0065	0,0075	0,0085	0,010	0,0085	410
P11	P2 DP3000	0,16	0,18	0,22	0,25	0,22	130
	P2 DP3000	0,0065	0,0070	0,0085	0,010	0,0085	425
P12	P2 DP3000	0,11	0,12	0,15	0,17	0,15	75
	P2 DP3000	0,0044	0,0048	0,0060	0,0065	0,0060	245
M1	P2 DP3000	0,12	0,14	0,17	0,19	0,17	215
	P2 DP3000	0,0048	0,0055	0,0065	0,0075	0,0065	710
M2	P2 DP3000	0,11	0,13	0,15	0,17	0,15	175
	P2 DP3000	0,0044	0,0050	0,0060	0,0065	0,0060	570
M3	P1 DP3000	0,090	0,10	0,12	0,14	0,12	135
	P1 DP3000	0,0036	0,0040	0,0048	0,0055	0,0048	445
M4	P1 DP3000	0,075	0,090	0,11	0,12	0,11	100
	P1 DP3000	0,0030	0,0036	0,0044	0,0048	0,0044	330
M5	P1 DP3000	0,075	0,090	0,11	0,12	0,11	85
	P1 DP3000	0,0030	0,0036	0,0044	0,0048	0,0044	280
K1	P2 DP3000	0,17	0,20	0,24	0,26	0,24	175
	P2 DP3000	0,0065	0,0080	0,0095	0,010	0,0095	570
K2	P2 DP3000	0,16	0,18	0,22	0,24	0,22	150
	P2 DP3000	0,0065	0,0070	0,0085	0,0095	0,0085	490
K3	P2 DP3000	0,16	0,18	0,22	0,24	0,22	130
	P2 DP3000	0,0065	0,0070	0,0085	0,0095	0,0085	425
K4	P2 DP3000	0,16	0,18	0,22	0,24	0,22	120
	P2 DP3000	0,0065	0,0070	0,0085	0,0095	0,0085	395
K5	P2 DP3000	0,14	0,16	0,19	0,22	0,19	75
	P2 DP3000	0,0055	0,0065	0,0075	0,0085	0,0075	245
H3	P2 DP3000	0,070	0,080	0,10	0,11	0,10	42
	P2 DP3000	0,0028	0,0032	0,0040	0,0044	0,0040	140
H5	P2 DP3000	0,11	0,12	0,15	0,17	0,15	80
	P2 DP3000	0,0044	0,0048	0,0060	0,0065	0,0060	260
H7	P2 DP3000	0,070	0,080	0,10	0,11	0,10	42
	P2 DP3000	0,0028	0,0032	0,0040	0,0044	0,0040	140
H8	P2 DP3000	0,085	0,095	0,11	0,13	0,11	80
	P2 DP3000	0,0034	0,0038	0,0044	0,0050	0,0044	260
H11	P2 DP3000	0,11	0,12	0,15	0,17	0,15	100
	P2 DP3000	0,0044	0,0048	0,0060	0,0065	0,0060	330
H12	P2 DP3000	0,085	0,095	0,11	0,13	0,11	45
	P2 DP3000	0,0034	0,0038	0,0044	0,0050	0,0044	150
H21	P2 DP3000	0,085	0,095	0,11	0,13	0,11	80
	P2 DP3000	0,0034	0,0038	0,0044	0,0050	0,0044	260

SMG = Seco malzeme grubu f = mm/rev (IPR) v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

SD602 Kesme hızı

SMG	v _c	
	T250D	DS2050
P1	180	295
	590	970
P2	175	285
	570	940
P3	150	245
	490	800
P4	80	—
	260	—
P5	75	—
	245	—
P6	85	—
	280	—
P7	80	—
	260	—
P8	75	—
	245	—
P11	80	—
	260	—
P12	46	—
	150	—
M1	90	—
	295	—
M2	75	—
	245	—
M3	55	135
	180	445
M4	43	85
	140	280
M5	36	70
	120	230
K1	—	—
	—	—
K2	—	—
	—	—
K3	—	—
	—	—
K4	—	—
	—	—
K5	—	—
	—	—
H3	40	—
	130	—
H5	75	—
	245	—
H7	40	—
	130	—
H8	75	—
	245	—
H11	95	—
	310	—
H12	85	—
	280	—
H21	75	—
	245	—

SMG = Seco malzeme grubu v_c= sf/dak Tüm kesme verileri başlangıç değerleridir

Giriş

Delme

Raybalama

Baralama

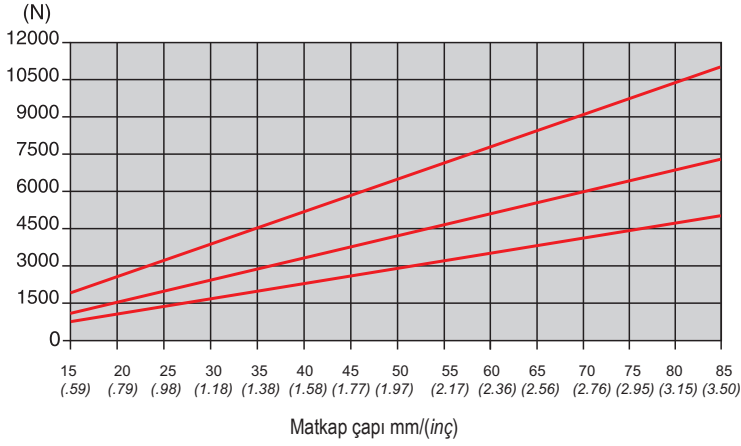
Ek

İşleme verileri SD522, SD523, SD524, SD525, SD542 ve SD572 - Güç tüketimi, soğutma sıvısı hacmi gereksinimi ve kuvvet grafikleri

Grafiklerdeki değerler kesme verilerine, malzemeye, tezgah verimliliğine ve takım aşınmasına göre farklılıklar gösterebilir.

Aşağıdaki grafikler Seco Malzeme Grubu (SMG) P5-P6 ve 200 m/dak (655 sf/dak) kesme hızı için geçerlidir.

İlerleme kuvveti

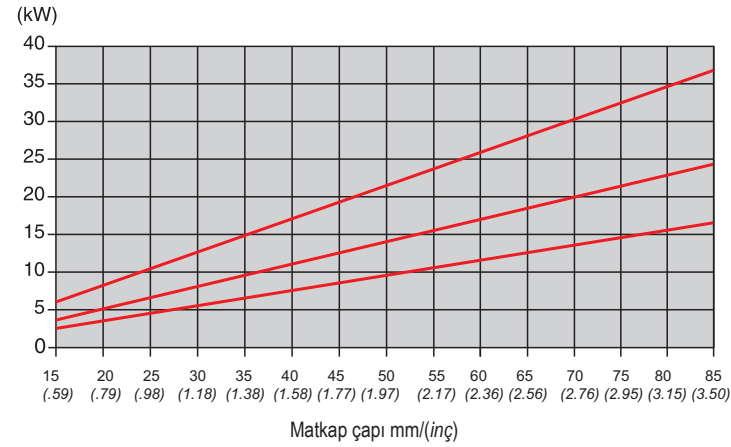


f = 0,18 mm/dev
(f = 0,007 inç/dev)

f = 0,12 mm/dev
(f = 0,005 inç/dev)

f = 0,08 mm/dev
(f = 0,003 inç/dev)

Net güç tüketimi

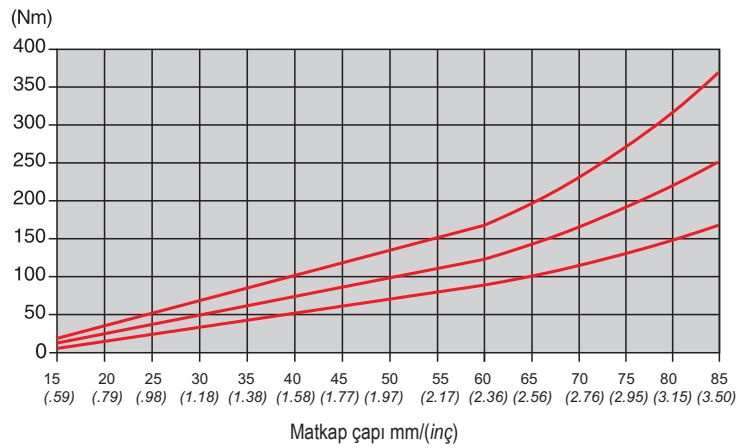


f = 0,18 mm/dev
(f = 0,007 inç/dev)

f = 0,12 mm/dev
(f = 0,005 inç/dev)

f = 0,08 mm/dev
(f = 0,003 inç/dev)

Delme momenti



f = 0,18 mm/dev
(f = 0,007 inç/dev)

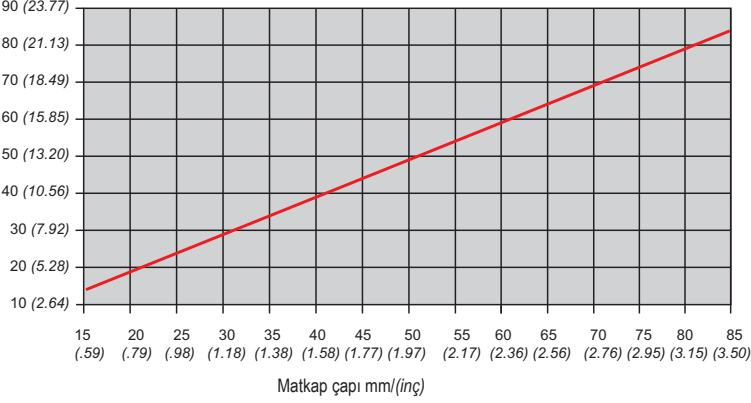
f = 0,12 mm/dev
(f = 0,005 inç/dev)

f = 0,08 mm/dev
(f = 0,003 inç/dev)

İşleme verileri

Soğutma sıvısı debisi gereksinimleri

Litre/dakika (Galon/dakika)

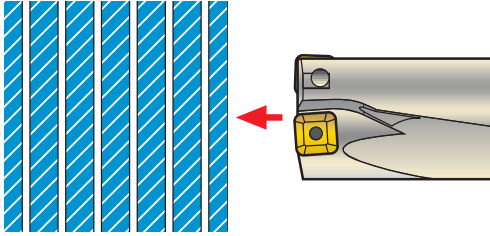


Soğutma sıvısı basıncı gereksinimleri

Önerilen basınç bar (PSI)

Delme derinliği	Matkap çapı mm (inç)		
	15-25 (0.591-0.984)	> 25-40 > 0.984-1.575	> 40 > 1.575
< 3 x D	6 (87)	4.5 (65)	3 (44)
≥ 3 x D	12 (174)	9 (130)	6 (87)

Yığın malzemeleri delme



Yığın malzemeleri aralarında hava boşluğu olmadan (maks. 0,2 mm (0,008 inç)) SD522 2 x D, SD523 3 x D, SD542 2,5 x D ve SD542 2,5 x D matkaplar ile delmek mümkündür. Çıkışlarda esneme olmaması için parçalar sağlam bir şekilde bağlanmalı.

Yığın iş parçası malzemelerini delmek için kesme verisi ve uç tavsiyeleri

Uç geometrisi:	Uç geometrisi	Karbür kalitesi
Merkez uç	SPGX-C1	T400D
Çevre uç	SCGX-P2	DP3000

Kesme hızı: DP3000 karbür kalitesi için verilen önerilere bakın
İlerleme/devir: P2 geometrisi için verilen tavsiyelere bakın

Matkap her tabakadan çıkarken problem yaratıyorsa ilerlemeyi/devri %30-50 arası düşürün.

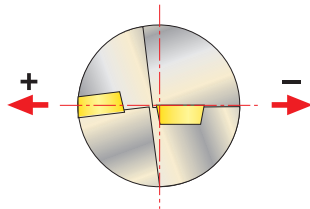
Dikkat!

Matkabın sabit iş parçasının döndüğü delme operasyonlarında matkabın çıkışı anında disk şeklinde bir parça yüksek hızda fırlayabilir. Operatörün güvenliğini sağlamak için alınacak tedbirler çok önemlidir.

Ayar

Delik ve matkap ayarı tavsiyeleri

Takma uçlu matkaplar merkezden kaçık şekilde bağlanarak gerçek ölçüsünden daha küçük veya büyük çaplar çıkartabilir. Ölçüleri görmek için katalog sayfalarındaki tablolarda bulunan "Radyal ayar" bölümüne bakın.

**Dönen**

SD522 ve SD523, 3 x D ile matkap dönerken delme operasyonlarında IT10 toleransı için Seco ayarlı tutucu tavsiye edilir.

Sabit

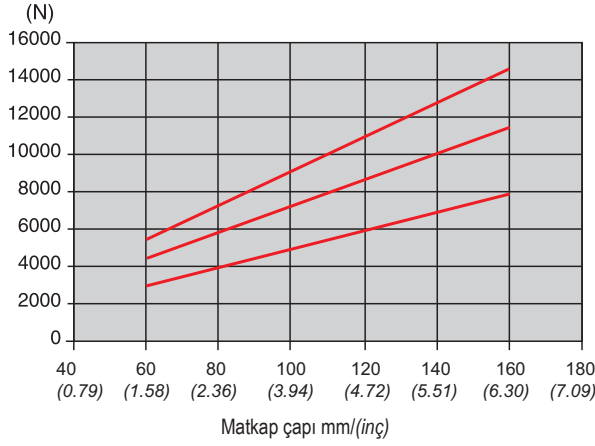
Matkabı tornaya bağlarken çevre ucunun Y eksenine paralel olmasına iş parçası eksenine ile matkap ekseninin aynı hizada olmasına dikkat edin. Matkap ile büyük çap elde etmek için matkabın çevre ucunu parça ekseninin dışına doğru kaçırmak.

İşleme verileri SD602 - Güç tüketimi, soğutma sıvısı hacmi ve kuvvet grafikleri

Grafiklerdeki değerler kesme verilerine, malzemeye, %80 tezgah verimliliğine göre farklılıklar gösterebilir.

Aşağıdaki grafikler SMG P5-P6 ve 200 m/dak (655 sf/dak) kesme hızı için geçerlidir.

İlerleme kuvveti

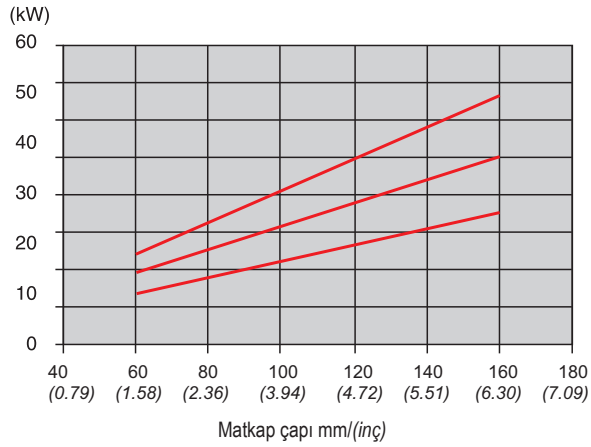


f = 0,18 mm/dev
(f = 0,007 inç/dev)

f = 0,12 mm/dev
(f = 0,005 inç/dev)

f = 0,08 mm/dev
(f = 0,003 inç/dev)

Net güç tüketimi

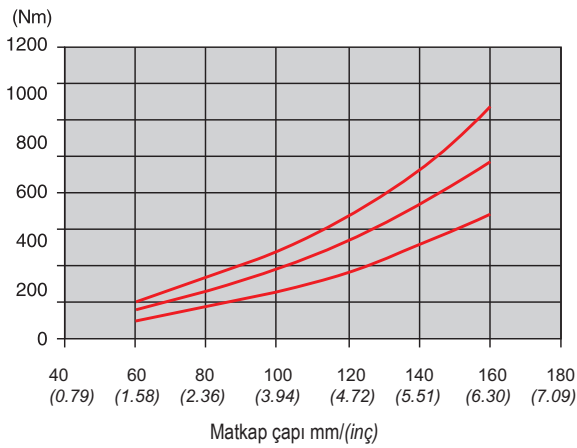


f = 0,18 mm/dev
(f = 0,007 inç/dev)

f = 0,12 mm/dev
(f = 0,005 inç/dev)

f = 0,08 mm/dev
(f = 0,003 inç/dev)

Delme momenti



f = 0,18 mm/dev
(f = 0,007 inç/dev)

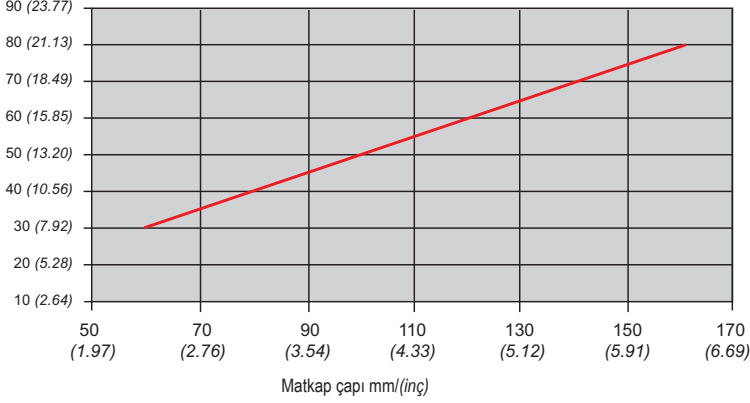
f = 0,12 mm/dev
(f = 0,005 inç/dev)

f = 0,08 mm/dev
(f = 0,003 inç/dev)

İşleme verileri SD602

Soğutma sıvısı debisi gereksinimleri

Litre/dakika (Galon/dakika)



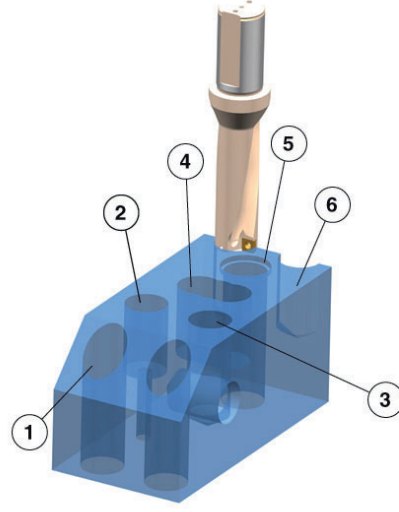
Metotlar

Önerilmez	Çözüm
	<p>1. </p> <p>2. </p>
	<p>1. </p> <p>2. </p>
	<p>1. </p> <p>2. </p> <p>> 5xD</p>

Çok yönlülük

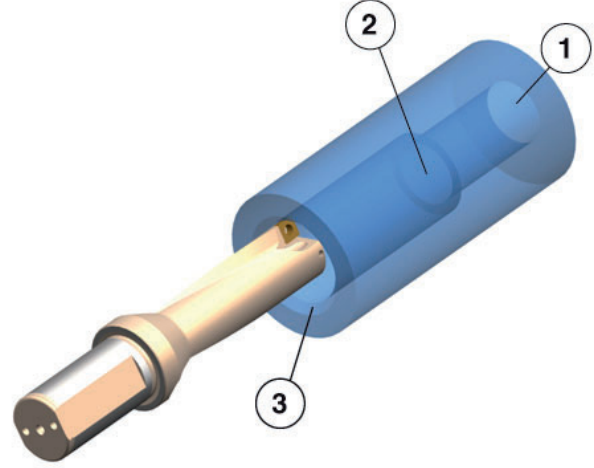
Uygulamalar

1. Açılı yüzeyi delme
2. Baralama
3. Önceden delinmiş bir deliği geçme
4. Delme ve yüzey basma
5. Delme ve helisel enterpolasyon ile yokuş frezeleme
6. Dalma kesme



Sabit operasyonlarda çoklu seçenek

1. Delme
2. Delik işleme/ Konik delik
3. Havşa



Tavsiyeler

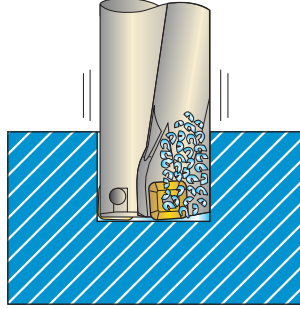
- 2 x D ve 3 x D matkaplar (SD522, SD523)
- Matkap tam olarak parçaya girene kadar ilerlemeyi yaklaşık %50 azaltın
- DP3000 kalite kullanın
- P2 talaş kırıcı formu kullanın

Sorun giderme

Titreşimler

Uygulamalar

- Matkabın montajını kontrol edin
- İş parçasının montajını kontrol edin
- İlerlemeyi artırın. Çok yumuşak bir malzemeyse ilerlemeyi düşürün ve hızı artırın
- Kesme hızını düşürün



Yetersiz tork

- İlerlemeyi düşürün
- Düşük ilerlemelerde daha iyi talaş kıran bir geometri seçin

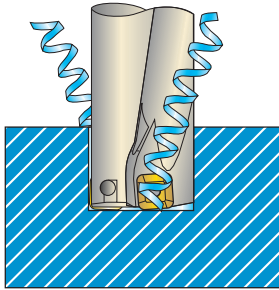
Yetersiz güç

- Kesme hızını düşürün
- İlerlemeyi düşürün
- Düşük ilerlemelerde daha iyi talaş kıran bir geometri seçin (SCGX-P1)

Talaş sıkışması sorunları

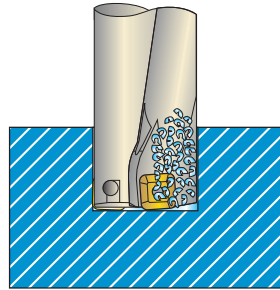
Uzun talaşlardan dolayı talaş sıkışması sorunları

- İlerlemeyi artırın. Çok yumuşak bir malzemeyse ilerlemeyi düşürün ve hızı artırın
- Düşük ilerlemelerde daha iyi talaş kıran bir geometri seçin (SCGX-P1)



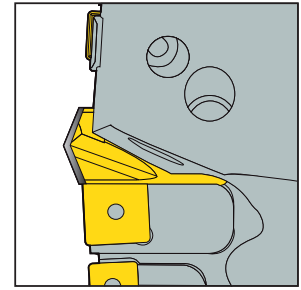
Kısa talaşa rağmen talaş sıkışması sorunları

- Soğutma sıvısı basıncını/debisini artırın
- Kesme hızını azaltın



Pilot matkapta hızlı yanak aşınması

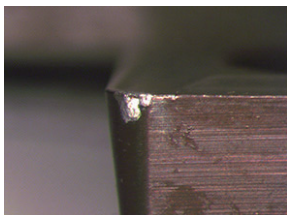
- Kesme hızını azaltın
- Soğutma sıvısı konsantrasyonunu artırın



Takım ömrü sorunları

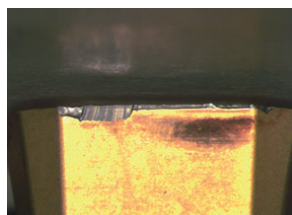
Çevre uçta ufalanma

- Girişte ilerlemeyi düşürün
- Daha tok bir kalite seçin
- Yüksek ilerlemede daha iyi talaş kıran bir geometri seçin (SCGX-P2)
- İlerleme oranını düşürün
- Kesme hızını azaltın



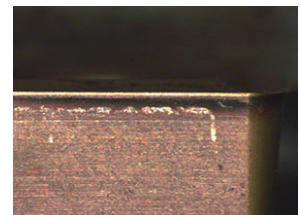
Merkez uçta ufalanma

- Matkabın montajını kontrol edin
- İş parçasının montajını kontrol edin
- Girişte ilerlemeyi düşürün
- İlerlemeyi artırın
- Kesme hızını düşürün

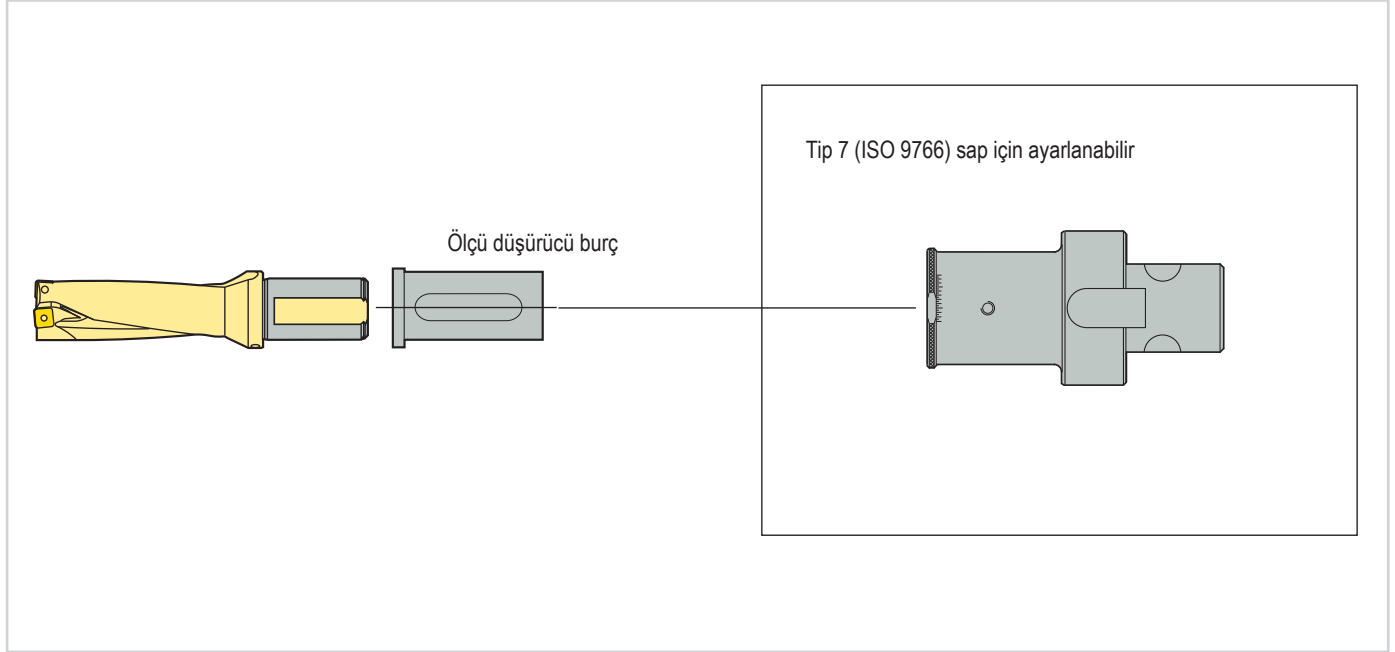


Çevre ucunda hızlı yanak aşınması

- Kesme hızını düşürün
- Soğutma sıvısı basıncını debisini artırın
- Aşınmaya karşı daha dirençli bir kalite seçin

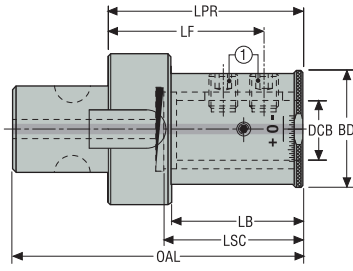


Matkaplar için ayarlanabilir tutucular



ADH 6101 – Ayarlanabilir matkap tutucuları, tip 7

Graflex®



1. Sıkma vidası



- PerfoMax® matkaplar için
- Çapta -0,3 mm 'den +0,8 mm 'ye kadar ayarlanabilir.

Ürün numarası	Ürün Tanımı	Tezgah fener mili tarafı		İş parçası tarafı								Balans ayarı	
		Graflex sap ebatı	Şu matkap sapı için	DCB	OAL	LPR	BD	LF	LB	LSC	Ağırlık		
				mm Inç	mm Inç	mm Inç	mm Inç	mm Inç	mm Inç	mm Inç	mm Inç	kg lb	
02422113	BM061610025	G6	R7	25,0 0.984	110,0 4.331	70,0 2.756	49,0 1.929	55,0 2.165	54,0 2.126	54,0 2.126	54,0 2.126	1,12 2.470	PB
02422116	BM061610125	G6	R7	25,4 1.000	110,0 4.331	70,0 2.756	49,0 1.929	55,0 2.165	54,0 2.126	54,5 2.146	54,5 2.146	1,11 2.450	PB
02422114	BM061610032	G6	R7	32,0 1.260	125,0 4.921	85,0 3.346	71,0 2.795	70,0 2.756	66,0 2.598	60,5 2.382	60,5 2.382	2,09 4.610	PB
02422118	BM061610138	G6	R7	38,1 1.500	125,0 4.921	85,0 3.346	81,0 3.189	70,0 2.756	66,0 2.598	60,5 2.382	60,5 2.382	2,45 5.400	PB
02422115	BM061610040	G6	R7	40,0 1.575	125,0 4.921	85,0 3.346	81,0 3.189	70,0 2.756	66,0 2.598	60,5 2.382	60,5 2.382	2,38 5.250	PB

Yedek parçalar

Şu DCB Ø için	Sıkma vidası	Kama
25/0.984	950AF1210014	90M61
25,4/1.000	950AF1210014	90M61
32/1.260	950AF1210020	90M61
38,1/1.500	950AF1210020	90M61
40/1.575	950AF1210020	90M61

Aksesuarlar

Şu DCB Ø için	Anahtar sapı (T-şekil)	Anahtar	Ölçü düşürücü burç	Ölçü düşürücü burç 2
25/0.984	DOUBLE-T	H6B-H6.0L	-	-
25,4/1.000	DOUBLE-T	H6B-H6.0L	-	-
32/1.260	DOUBLE-T	H6B-H6.0L	05B61003225	-
38,1/1.500	-	H06-4	-	-
40/1.575	DOUBLE-T	H6B-H6.0L	05B61004025	05B61004032

PB= Ön balans ayarı yapılmıştır (daha fazla detay için Tutucu Sistemleri kataloğundaki Balans Ayarı Rehber sayfalarına bakınız)

RAYBALAMA



PRECIMASTER™ PLUS HIZLI VE KOLAY KULLANIM İÇİN DEĞİŞTİRİLEBİLİR RAYBALAMA KAFASI

Precimaster™ Plus daha hassas, uygun maliyetli delik işleme için raybalama hızını, tutarlılığı ve çok yönlülüğü artıran modüler bir rayba sistemidir. Orijinal Precimaster™'in başarısı üzerine kurulu olan sistem, yenilikçi yüksek hassasiyetli bir bağlantıya, solid karbür uçlarla kapalı ve açık delik uygulamalar için ortak tutuculara sahiptir.

TOLERANSLAR

- Toleransları 15 - 25 mikron aralığında tutar ve Ra 0,4 - Ra 0,8 μm (RMS 15 - 35 mikro/ inç) yüzey kaliteleri sunar

ÖZELLİKLER

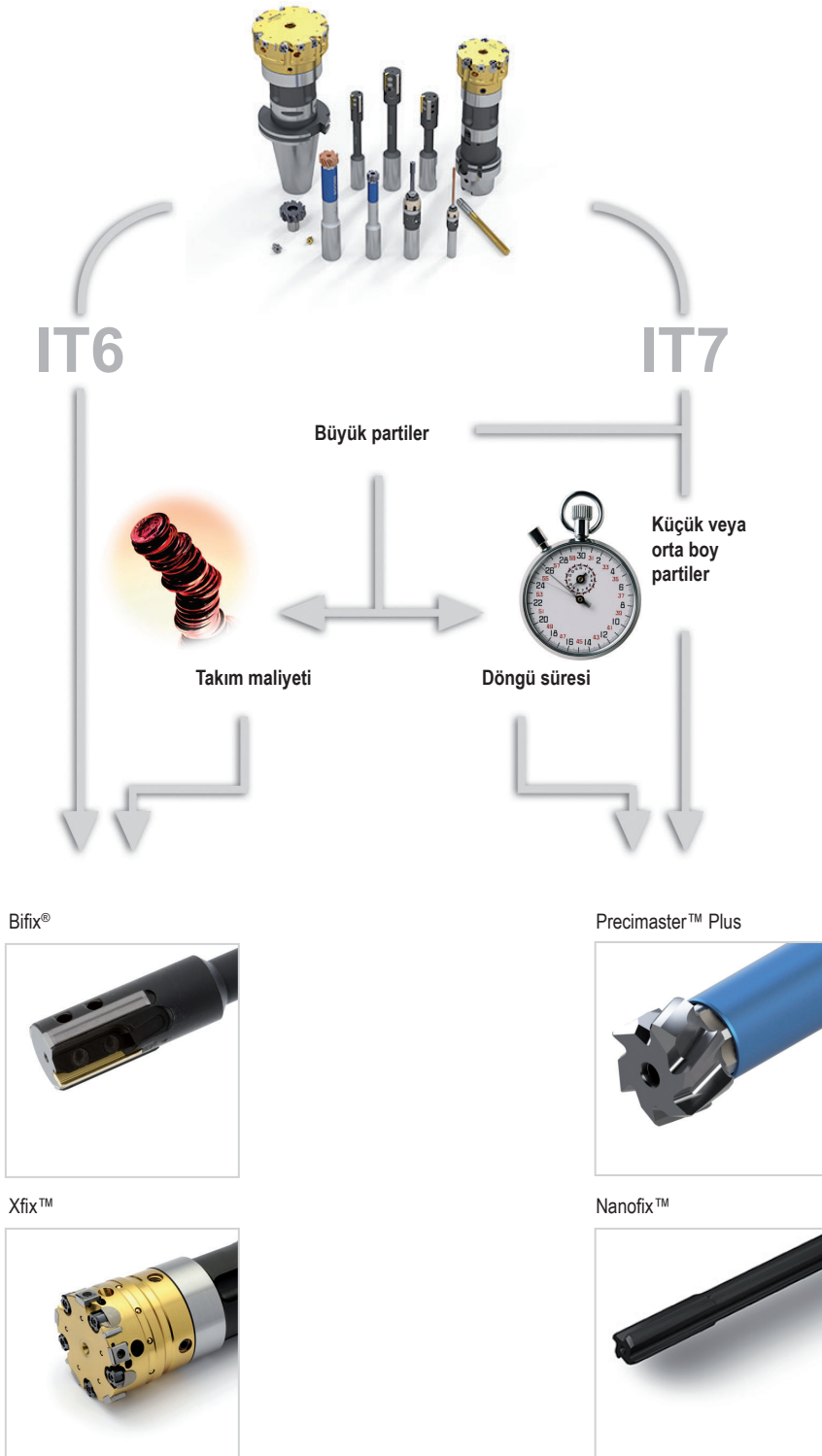
- Sistem, yenilikçi bir yüksek hassasiyetli bağlantının ve solid karbür kafaların yanı sıra kapalı ve açık delik uygulamaları için ortak tutuculara sahiptir.



Çok ağızlı ya da tek ağızlı rayba – En iyi çözümü seçme

Kalite, performans ve takım maliyeti, tüm bunlara ulaşılabilir. Rayba seçimi delik toleransına, üretim kalitesine ve çevrim süresine bağlıdır. Seco Delik işleme sistemleri bu talepleri karşılayabilir. Precimaster, Bifix, yeni Xfix ve Nanofix raybalar, raybalama operasyonları ile ilgili tüm problemleri çözebilir.

Aşağıdaki çizim size en ideal raybayı seçmenizde yardımcı olur



Ürünler genel bakış

	Ø Aralığı	Raybalama derinliği	Delik Ø toleransı	Ara çaplar	Yüzey kalitesi
<p>Precimaster™ Plus</p>  <p>Sayfa(lar) 329-367</p>	7,75-60,500 mm (0.3051-2.3818")	~ 2-10 x D	IT 6-7-8	Evet, Özel Tasarım olarak mevcut	R _a 0,2-1,2 µm (Ra 7.87-47.2 µin)
<p>Nanofix™</p>  <p>Sayfa(lar) 368-397</p>	2,970-12,050 mm (0.1169-0.4744")	~ 5-12 x D	IT 7	Evet, Özel Tasarım olarak mevcut	R _a 0,2-1,2 µm (Ra 7.87-47.2 µin)
<p>Bifix®</p>  <p>Sayfa(lar) 398-424</p>	5,900-60,500 mm (0.2323-2.3819")	~ 2-7 x D	IT 6-7	Evet, Özel Tasarım olarak mevcut	R _a 0,2-0,8 µm (Ra 7.87-31.5 µin)
<p>Xfix™</p>  <p>Sayfa(lar) 425-465</p>	39,500-154,500 mm (1.5551-6.0827")	~ 2,5-6,5 x D	IT 6	Evet, Özel Tasarım olarak mevcut	R _a 0,8-1,6 µm (Ra 31-63 µin)



Precimaster™ Plus

Precimaster™ Plus daha hassas, uygun maliyetli delik işleme için raybalama hızını, tutarlılığı ve çok yönlülüğü artıran modüler bir rayba sistemidir.

- Sistem yenilikçi bir yüksek hassasiyetli bağlantıya, solid karbür kafalara kapalı ve açık delik uygulamaları için ortak tutuculara sahiptir
- Toleransların 15 ile 25 mikron arasında tutulmasına ve Ra 0,4 ila Ra 0,8 μm (RMS 15 ila 35 mikro/inç) yüzey kalitelerine olanak tanır

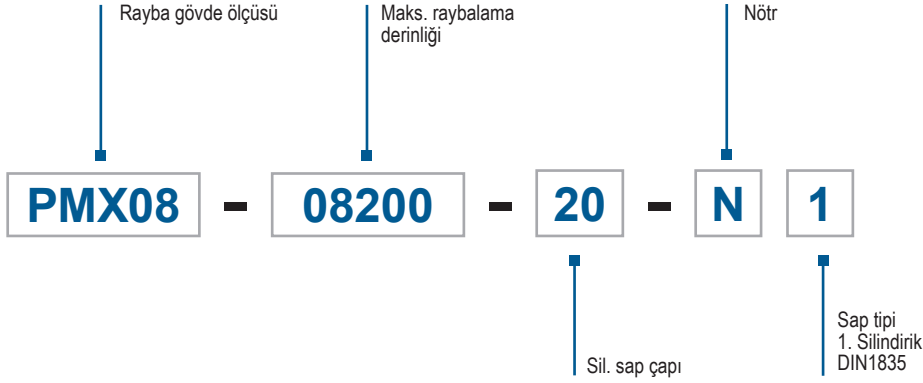
Precimaster™ Plus – Ürünlere genel bakış

	Ø Aralığı	Raybalama derinliği	Delik Ø toleransı	Ara çaplar	Yüzey kalitesi
Giriş 	7,75-60 mm (0.3051-2.3622")	~ 2-3 x D	IT 6-7-8	Evet, Özel Tasarım olarak mevcut	R _a 0,4-0,8 µm (Ra 15.7-31.5 µin)
Delme 	7,75-60 mm (0.3051-2.3622")	~ 4-5 x D	IT 6-7-8	Evet, Özel Tasarım olarak mevcut	R _a 0,4-0,8 µm (Ra 15.7-31.5 µin)
Raybalama 	7,75-60 mm (0.3051-2.3622")	~ 8-10 x D	IT 6-7-8	Evet, Özel Tasarım olarak mevcut	R _a 0,4-0,8 µm (Ra 15.7-31.5 µin)

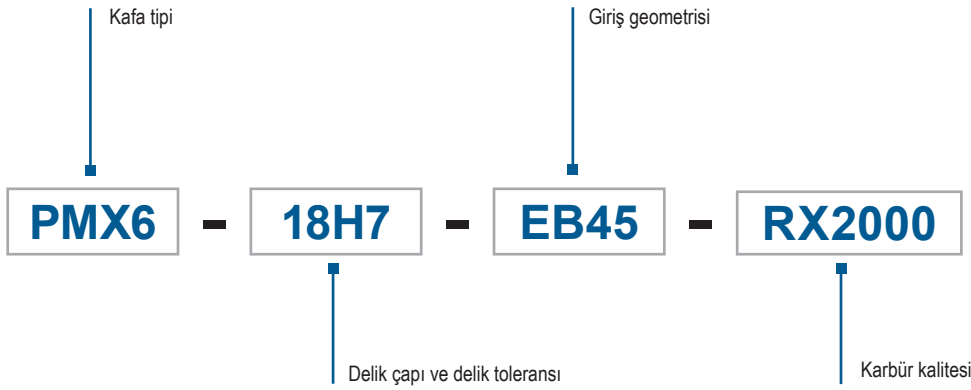
Kodlama anahtarları

Precimaster Plus takım tutucular kapalı ve açık delikler için uygundur.

Takım sapı



Kafa



Kafa ara çapı



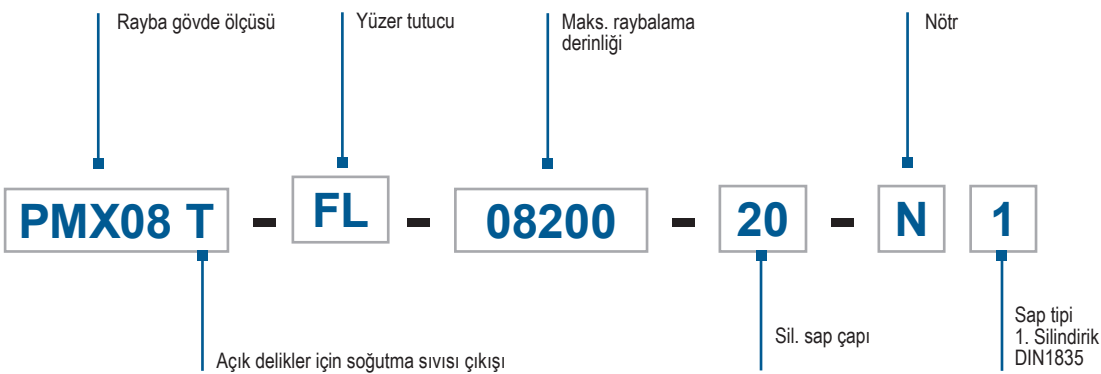
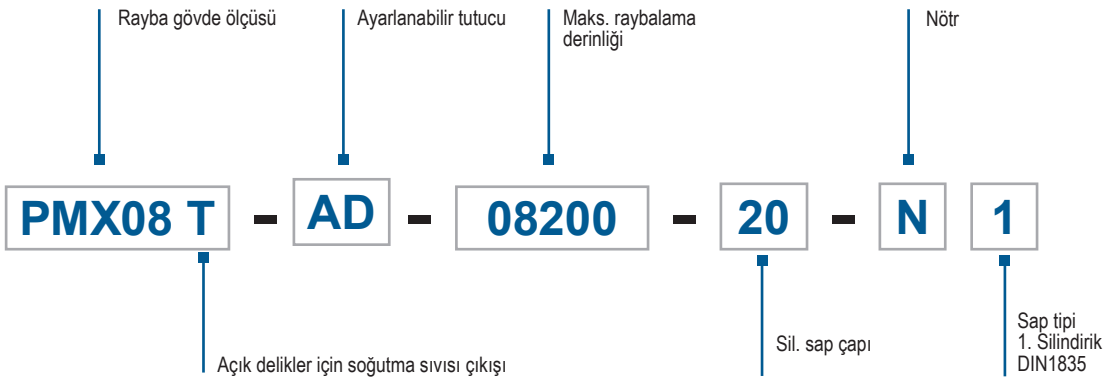
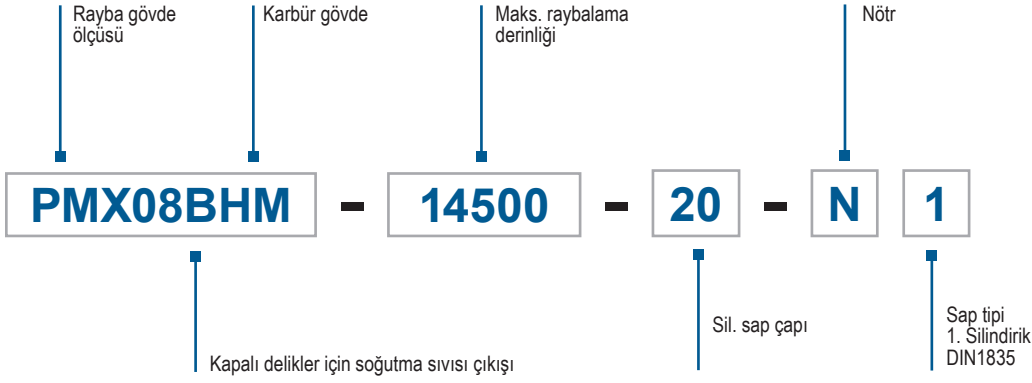
PMX5: Düz talaş kanalı tasarım, kapalı ve açık delikler için uygundur.
PMX6: Helis talaş kanalı tasarım, sadece açık delikler için uygundur.
PMX8: Genişletilebilir düz talaş kanalı, kapalı ve açık delikler için uygundur
Sol yönlü talaş kanalı dizaynı talaşı ileri itmeyi daha da artırır.
Bkz. Precimaster Plus kafa seçimi, sayfa 338.

PMX5

PMX8

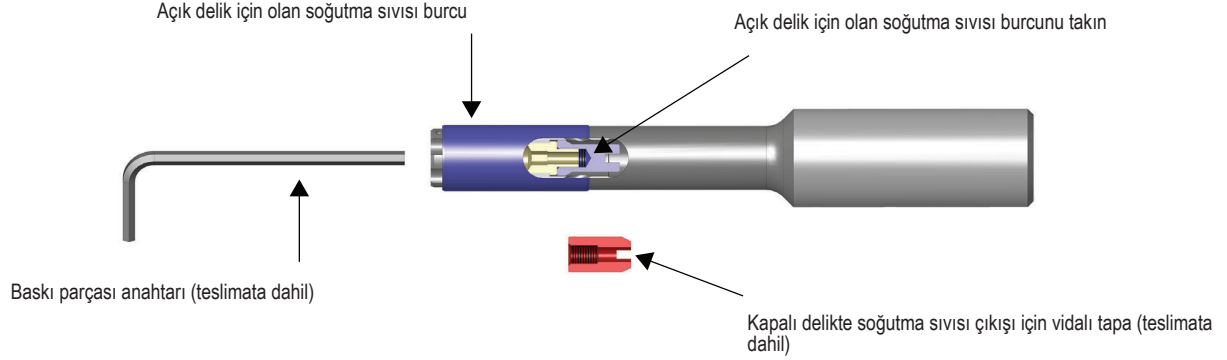
Kodlama anahtarları

Precimaster Plus takım tutucular kapalı ve açık delikler için uygundur.



Soğutma sıvısı çıkışı ayarı

Soğutma sıvısı çıkışı ayarı: Yedek parçaların tanımı

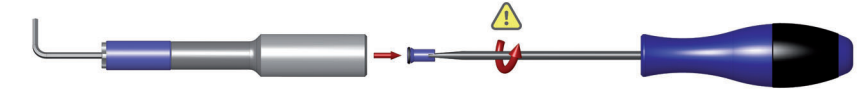


Soğutma sıvısı çıkışı ayarı: Kapalı delik için soğutma sıvısı ayarlama

1.

Açık delik için olan vidalı tapayı çıkarın (mavi)
Not: Tapa vidaları SOL dıřtır

Düz tornavida VEYA allen anahtar kullanın,
tavsiye edilen ebatlar tabloda gösterilmiřtir



Gövde ebadı	Yassı çubuklu anahtar ebadı, mm	Yassı çubuklu anahtar ebadı, inç	Allen Anahtar ebadı, mm	Allen Anahtar ebadı, inç
PMX05	1,2 x 4 x 120	0,05 x 0,16 x 4,72	2 x 120	0,08 x 4,72
PMX06	1,0 x 5,5 x 150	0,04 x 0,22 x 5,9	2,5 x 150	0,10 x 5,9
PMX08	1,2 x 6,5 x 200	0,05 x 0,26 x 7,87	3 x 200	0,12 x 7,87
PMX12	1,2 x 8 x 200	0,05 x 0,31 x 6,89	5 x 200	0,2 x 6,89

2.

Açık delik için olan soğutma sıvısı burcunu çıkarın


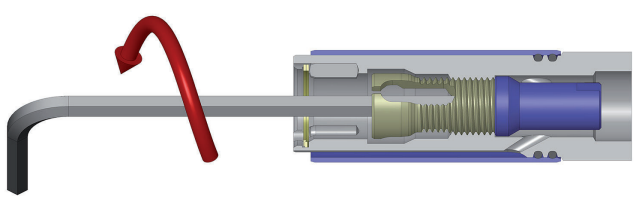
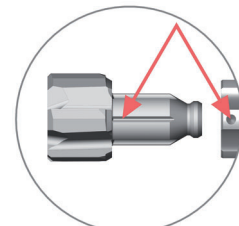
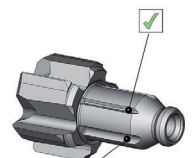
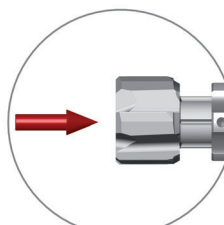
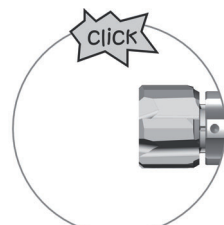



3.

Kapalı delikler için olan vidalı tapayı takın (kırmızı)
Not: tapa vidaları SOL dıřtır



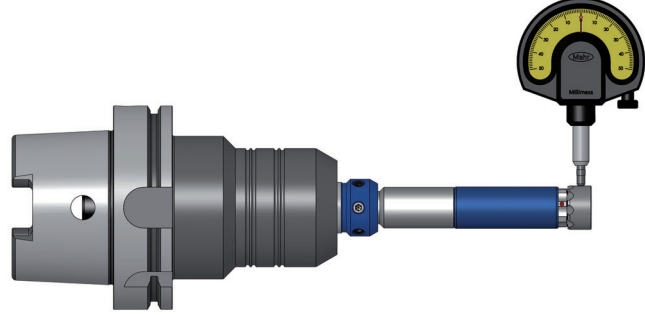
Kafa montajı

<p>1. Kafa geometrisinin soğutma sıvısı ile uygun olduğundan emin olun</p>	 <p>PMX5/PMX8 PMX6</p> <p>PMX5/PMX8</p> <p>Açık delikler</p> <p>Kapalı delikler</p>												
<p>2. Kafayı takmadan önce baskı parçasını hizalayın</p>													
<p>3. Çizgi ile gövdedeki kırmızı noktayı hizalayın</p>	 <p>Küçük Kanal</p>  <p>Büyük Kanallar</p>												
<p>4. Kafayı gövdeye takın</p>													
<p>5. "Tık" sesini duyana kadar kafayı gövdeye doğru bastırın</p>	 <p>Click</p>												
<p>6. Allen anahtar ile kafayı sıkıştırın</p>	 <table border="1" data-bbox="1021 1769 1420 1960"><thead><tr><th>PMX Sap Ebat</th><th>Tavsiye edilen tork değeri</th></tr></thead><tbody><tr><td>PMX05</td><td>0,5 Nm</td></tr><tr><td>PMX06</td><td>0,9 Nm</td></tr><tr><td>PMX08</td><td>1,2 Nm</td></tr><tr><td>PMX12</td><td>2,0 Nm</td></tr><tr><td>PMX16</td><td>5,0 Nm</td></tr></tbody></table>	PMX Sap Ebat	Tavsiye edilen tork değeri	PMX05	0,5 Nm	PMX06	0,9 Nm	PMX08	1,2 Nm	PMX12	2,0 Nm	PMX16	5,0 Nm
PMX Sap Ebat	Tavsiye edilen tork değeri												
PMX05	0,5 Nm												
PMX06	0,9 Nm												
PMX08	1,2 Nm												
PMX12	2,0 Nm												
PMX16	5,0 Nm												

Salgı Ayarı

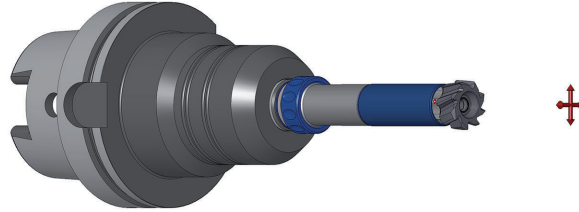
Dönen takım

Tavsiye edilen maks. salgı: 10 - 15 μm (393,7008 - 590,5512 μin).
Hidrolik pens tutucu, Shrinkfit tutucu ya da hassas pens tutucu tavsiye edilir.
En iyi salgı kontrolü için Precimaster Plus PMX-AD ayarlanabilir adaptörler kullanmanızı tavsiye ederiz, bkz. sayfa 351-352.



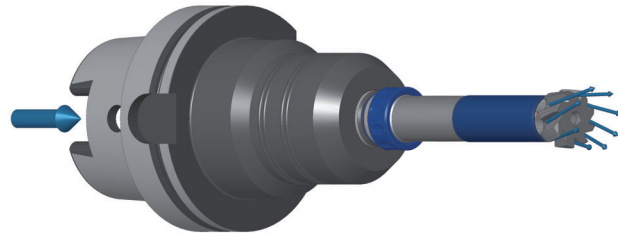
Sabit takım

PMX - FL Precimaster Plus yüzer tutucu kullanın, bkz. sayfa 353-354.
Yüzer tutucular raybanın ön delikte kendini merkezlemesini sağlar.



Soğutma sıvısı gereksinimleri

Maksimum takım ömrü ve delik kalitesi için soğutma sıvısı gereksinimlerine uyulmalıdır.
Takımın içinden soğutma tavsiye edilir.
Raybalama derinliği $< 2 \times D$ ise dıştan soğutma kullanılabilir.
En az %40 mineral yağ içeren kaliteli çözülebilir yağ kullanılmalıdır.
Paslanmaz çelik için temiz yağ tavsiye edilir.
Minimum %6-8 konsantrasyon.
Filtreleme 30 - 50 μm (1200 - 2000 μin).
Takım çapında min. 0,5 l/dak/mm (3,35 gal/dak/1inç) hacim.
(Ör.: $\varnothing 10$ rayba, min. hacim 5 l/dak (1,3 gal/dak).



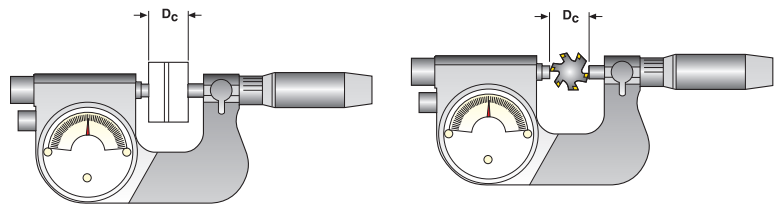
Çap ölçme

\varnothing ölçmede öncelikle saatli mikrometre kullanın.

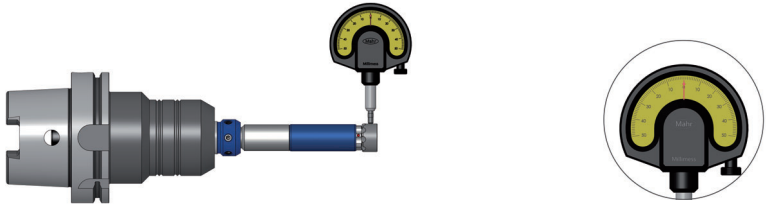
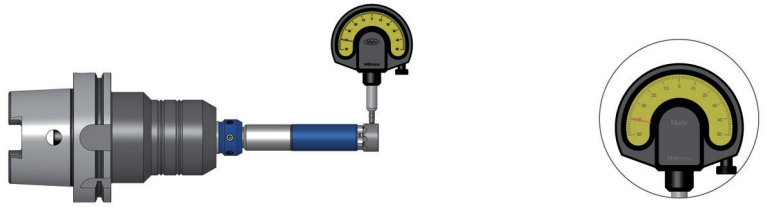
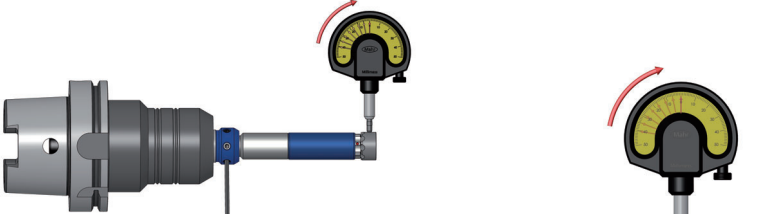
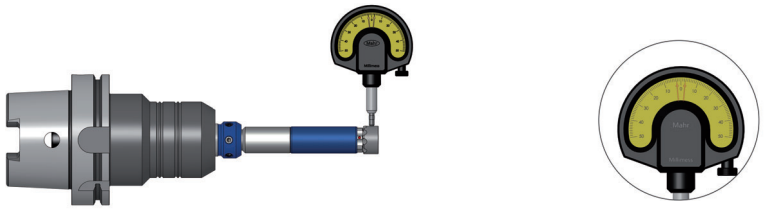
Önemli

Precimaster raybalar dişler arasında değişken ağız aralıklarına sahiptir.
Çap ölçerken, 2 ağızın 180° terste olmasına dikkat edin.

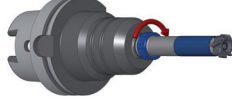
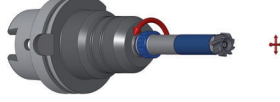
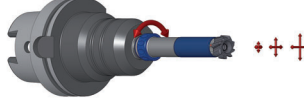
Ayarlama için saatli mikrometre ve ölçüm bloğu kullanın.



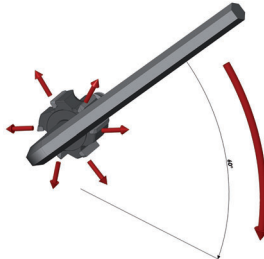
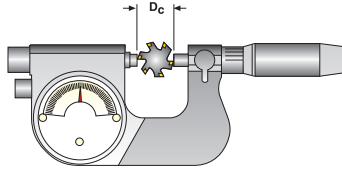
Ayar saplarının kurulumu:

<p>1. Ayar masterını monte edin (ayarlanabilir tutucuyla birlikte verilir). Takımı fener miline bağlayın.</p> <p>2. Saati gösterildiği gibi ayarlayın.</p>	
<p>3. En düşük noktaya gelene kadar takımı elle döndürün.</p>	
<p>4. Ayar vidalarını kullanarak salgı dengesi ayarını yapın. Oklarla gösterilen yön.</p> <p>5. Salgıyı kontrol edin ve gerekirse dengelemeyi tekrarlayın.</p>	
<p>6. Maksimum salgı 5 mm (0,0002 inç) değerinin altında olduğunda mevcut ayarı bozmamak için ayar vidalarını sıkın</p>	

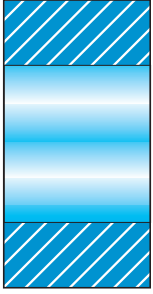
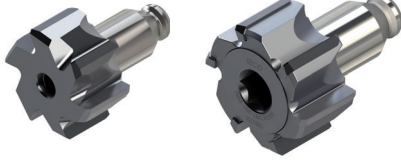

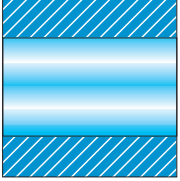

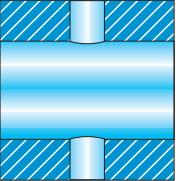
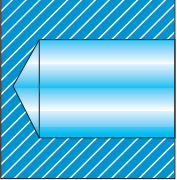
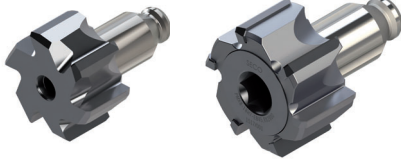

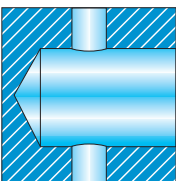
Yüzer sapların kurulumu:

<p>1. Ayar halkasını saat yönünde sıkarak yüzer sapı tamamen kilitleyin.</p>	
<p>2. Ayar halkasını saat yönünün tersine 2 veya 3 tık döndürerek yüzer sapı açın.</p>	
<p>3. Gerekirse daha fazla salınma değeri ayarına geçin. Çok fazla salınma değeri, delik girişinde dengesiz koşullara neden olabilir. Az salınma değeri titreşimler ve konik delik oluşturur.</p>	

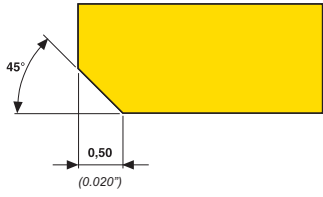
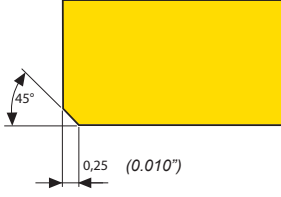
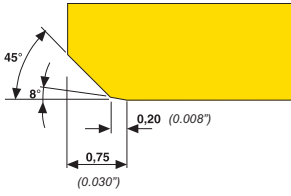
Geniřletilebilir rayba aşınma dengelemesi

<p>1. Allen anahtar kullanarak takım çapındaki aşınmayı dengeleyin (60°'lik artışlar = çapta yaklaşık 0,005 mm (0,0002 inç) dengeleme)</p>	
<p>2. Geniřlettikten sonra saatli mikrometre ile çapı kontrol edin</p>	

Kafa seçimi

İş parçası	Raybalama çapı \varnothing 8-60 mm (0,3150-2,3622 inç)	
<p>Kısa açık delik $< 3 \times D$</p> 	<p>PMX5 / PMX8</p> 	
<p>Uzun açık delik $> 3 \times D$</p> 	<p>PMX6 Açık delikte işleme için soğutma sıvısı çıkış ayarı açık deliğe göre ayarlı olmalıdır: bkz. soğutma sıvısı ayar sayfaları.</p> 	
<p>Dik kesen delik</p> 		
<p>Kapalı delik</p> 	<p>PMX5 / PMX8 Kapalı delikte işleme için soğutma sıvısı çıkış ayarı kapalı deliğe göre ayarlı olmalıdır: bkz. soğutma sıvısı ayar sayfaları</p> 	
<p>Kapalı ve dik kesen delik</p> 		

Geometri seçimi - Uygulamalar

Giriş geometrisi - EB45	
<p>Talaş kontrolü ++ Yüzey kalitesi+++ R_a 0,8 - 1,2 μm (Yüzey kalitesi+++ R_a 31 - 47 μin) Çok yönlü</p>	
Giriş geometrisi – EBS45	
<p>Talaş kontrolü +++ Yüzey Kalitesi + R_a 0,8 - 1,2 (Yüzey Kalitesi + R_a 31 - 47 μin) Kısa EB45</p>	
Giriş geometrisi – EB845	
<p>Talaş kontrolü ++ Yüzey kalitesi+++ R_a 0,2 - 0,8 μm (Yüzey kalitesi+++ R_a 8 - 31 μin)</p>	

Giriş

Delme

Raybalama

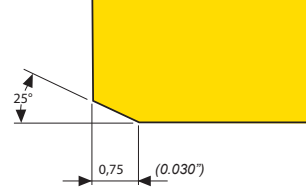
Baralama

Ek

Geometri seçimi - Uygulamalar

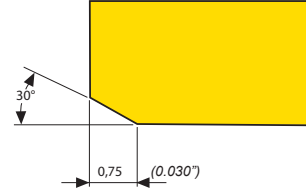
Giriş geometrisi – EB25

İlerleme performansı +++
Yüzey kalitesi ++ R_a 0,4 - 0,8 μm
(Yüzey Kalitesi ++ R_a 16 - 31 μin)
Talaş kontrolü +



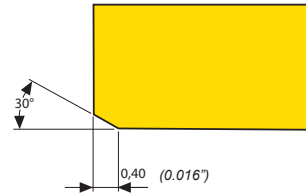
Giriş geometrisi – EB30

İlerleme performansı +++
Yüzey Kalitesi ++ R_a 0,4 - 0,8 μm
(Yüzey Kalitesi ++ R_a 16 - 31 μin)
Talaş kontrolü +

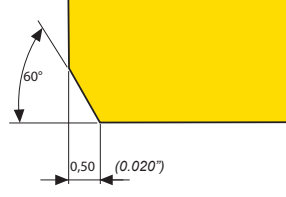
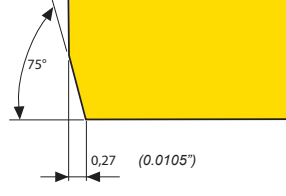


Giriş geometrisi – EBS30

İlerleme performansı +++
Yüzey kalitesi ++ R_a 0,4 - 0,8 μm
(Yüzey Kalitesi ++ R_a 16 - 31 μin)
Talaş kontrolü +
Kısa EB30



Geometri seçimi - Uygulamalar

Giriş geometrisi – EB60	
<p>İlerleme performansı + Yüzey Kalitesi ++ R_a 0,8 - 1,2 μm (Yüzey Kalitesi ++ R_a 31 - 47 μin) Talaş kontrolü ++</p>	 <p>The diagram shows a yellow rectangular block with a 60-degree chamfered edge. A dimension line indicates a width of 0,50 (0,020) at the base of the chamfer.</p>
Giriş geometrisi – EB75	
<p>İlerleme performansı + Yüzey Kalitesi ++ R_a 0,8 - 1,2 μm (Yüzey Kalitesi ++ R_a 31 - 47 μin) Talaş kontrolü ++</p>	 <p>The diagram shows a yellow rectangular block with a 75-degree chamfered edge. A dimension line indicates a width of 0,27 (0,0105) at the base of the chamfer.</p>

Giriş

Delme

Raybalama

Baralama

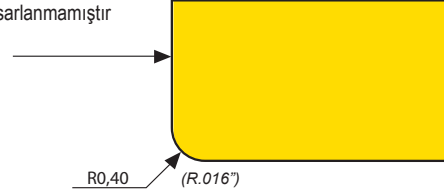
Ek

Geometri seçimi - Uygulamalar

Giriş geometrisi – RE040

İlerleme performansı ++
Yüzey Kalitesi ++ R_a 0,4 - 0,8 μm
(Yüzey Kalitesi ++ R_a 16 - 31 μin)
Talaş kontrolü +

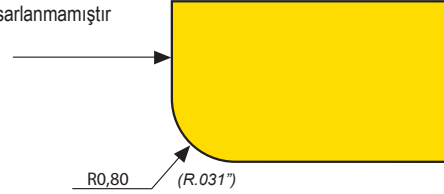
Dip kesme için tasarlanmamıştır



Giriş geometrisi – RE080

İlerleme performansı ++
Yüzey Kalitesi ++ R_a 0,4 - 0,8 μm
(Yüzey Kalitesi ++ R_a 16 - 31 μin)
Talaş kontrolü +

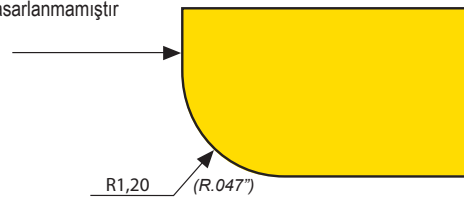
Dip kesme için tasarlanmamıştır














Giriş geometrisi – RE120

İlerleme performansı ++
Yüzey Kalitesi ++ R_a 0,4 - 0,8 μm
(Yüzey Kalitesi ++ R_a 16 - 31 μin)
Talaş kontrolü +
Mevcut aralık: \varnothing 14 mm (0,551 inç)

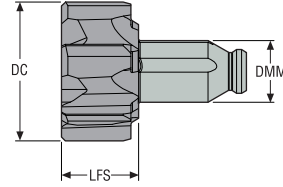
Dip kesme için tasarlanmamıştır



Kaliteler		
	RX2000	Kaplamalı Tüm malzemeler için uygun, modern kaplamalı yüksek performans kalitesi
	CP20	Kaplamalı Alüminyum hariç hemen her malzemeye uygun çok amaçlı bir kalite. TiN
	H15	Kaplamasız Tüm malzemeler için mikro tanecikli tok bir kalitedir. Son derece mükemmel kenar keskinliği sayesinde hassas raybalama işlemleri için uygundur.
	CF	Sermet Çeliklerde performans optimizasyonu için aşınmaya dirençli bir kalitedir.
	RX1500	Kaplamalı Sermet Dökme demirde ve çelikte performans iyileştirmesi için aşınma direnci artırılmış kaplamalı kalite.
	RN2010	Kaplamasız N (demir dışı) sınıfı malzemeler için iyileştirilmiş kaplamasız mikro-tanecikli alt katmana sahip kalite.
	RM2020	Kaplamalı M sınıfı malzemeler için iyileştirilmiş geometrilere sahip, hassas raybalama işlemlerine uygun, kaplamalı tok bir kalitedir.
	RM2090	Kaplamalı M sınıfı malzemeler için özel geometrisi olan, aşınmaya dirençli, kaplamalı bir kalitedir. M sınıfı malzemelerde iyileştirme.
	RK2050	Kaplamalı K malzemeleri için optimize edilmiş geometriyle ince raybalama işlemine uygun, sert kaplamalı kalite.
	RK1550	Kaplamalı Sermet K malzemeleri için özel geometrilere sahip aşınmaya dayanıklı kaplamalı kalite. K malzemelerinde optimizasyon.
	RS2090	Kaplamalı S sınıfı malzemeler için özel geometrisi olan, aşınmaya dirençli, kaplamalı bir kalitedir. S sınıfı malzemelerde iyileştirme.


Kapalı ve açık delikler için kafalar

Ø 8-32 mm / 0.315-1.260"



- Kesme verileri için, bakınız sayfa 360-367
- Giriş geometrisi EB45, EB845 ya da EB30 için, bakınız sayfa 339

Ürün Tanımı	Ürün numarası	DC	Matkap ebadı*		LFS	DMM	Gövde ebatı	Geometriler			Kaliteler				
			mm	mm					EB45	EB845	EB30	H15	CP20	RX2000	CF
PMX5-8H7-EB45	03123158	8,0	7,8/7,9	6	6,0	4,5	PMX05-xx	■	□	□	□	□	■	□	□
PMX5-9H7-EB45	03123159	9,0	8,8/8,9	6	6,0	4,5	PMX05-xx	■	□	□	□	□	■	□	□
PMX5-10H7-EB30	10020602	10,0	9,8/9,9	6	7,0	6,0	PMX06-xx	□	□	■	□	□	■	□	□
PMX5-10H7-EB45	02965840	10,0	9,8/9,9	6	7,0	6,0	PMX06-xx	■	□	□	□	□	■	□	□
PMX5-11H7-EB45	02925754	11,0	10,8/10,9	6	7,0	6,0	PMX06-xx	■	□	□	□	□	■	□	□
PMX5-12H7-EB30	10019482	12,0	11,8/11,908	6	7,0	6,0	PMX06-xx	□	□	■	□	□	■	□	□
PMX5-12H7-EB45	02925755	12,0	11,8/11,908	6	7,0	6,0	PMX06-xx	■	□	□	□	□	■	□	□
PMX5-13H7-EB30	10019483	13,0	12,8/12,9	6	7,0	6,0	PMX06-xx	□	□	■	□	□	■	□	□
PMX5-13H7-EB45	02925756	13,0	12,8/12,9	6	7,0	6,0	PMX06-xx	■	□	□	□	□	■	□	□
PMX5-14H7-EB30	10019484	14,0	13,8/13,891	6	7,0	6,0	PMX06-xx	□	□	■	□	□	■	□	□
PMX5-14H7-EB45	02925757	14,0	13,8/13,891	6	7,0	6,0	PMX06-xx	■	□	□	□	□	■	□	□
PMX5-15H7-EB30	10019485	15,0	14,8/14,9	6	10,0	8,0	PMX08-xx	□	□	■	□	□	■	□	□
PMX5-15H7-EB45	02925758	15,0	14,8/14,9	6	10,0	8,0	PMX08-xx	■	□	□	□	□	■	□	□
PMX5-16H7-EB30	10019486	16,0	15,8/15,9	6	10,0	8,0	PMX08-xx	□	□	■	□	□	■	□	□
PMX5-16H7-EB45	02925759	16,0	15,8/15,9	6	10,0	8,0	PMX08-xx	■	□	□	□	□	■	□	□
PMX5-17H7-EB30	10019487	17,0	16,8/16,9	6	10,0	8,0	PMX08-xx	□	□	■	□	□	■	□	□
PMX5-17H7-EB45	02925760	17,0	16,8/16,9	6	10,0	8,0	PMX08-xx	■	□	□	□	□	■	□	□
PMX5-18H7-EB30	10019488	18,0	17,8/17,9	6	10,0	8,0	PMX08-xx	□	□	■	□	□	■	□	□
PMX5-18H7-EB45	02925761	18,0	17,8/17,9	6	10,0	8,0	PMX08-xx	■	□	□	□	□	■	□	□
PMX5-19H7-EB30	10019489	19,0	18,8/18,9	6	10,0	8,0	PMX08-xx	□	□	■	□	□	■	□	□
PMX5-19H7-EB45	02925762	19,0	18,8/18,9	6	10,0	8,0	PMX08-xx	■	□	□	□	□	■	□	□
PMX5-20H7-EB30	10020603	20,0	19,8/19,9	6	10,0	8,0	PMX08-xx	□	□	■	□	□	■	□	□
PMX5-20H7-EB45	02925763	20,0	19,8/19,9	6	10,0	8,0	PMX08-xx	■	□	□	□	□	■	□	□
PMX5-21H7-EB45	02925764	21,0	20,8/20,9	6	10,0	8,0	PMX08-xx	■	□	□	□	□	■	□	□
PMX5-22H7-EB30	10020604	22,0	21,8/21,9	8	12,0	12,0	PMX12-xx	□	□	■	□	□	■	□	□
PMX5-22H7-EB45	02925765	22,0	21,8/21,9	8	12,0	12,0	PMX12-xx	■	□	□	□	□	■	□	□
PMX5-23H7-EB30	10019490	23,0	22,8/22,9	8	12,0	12,0	PMX12-xx	□	□	■	□	□	■	□	□
PMX5-23H7-EB45	02925766	23,0	22,8/22,9	8	12,0	12,0	PMX12-xx	■	□	□	□	□	■	□	□
PMX5-24H7-EB30	10019491	24,0	23,813/23,9	8	12,0	12,0	PMX12-xx	□	□	■	□	□	■	□	□
PMX5-24H7-EB45	02925767	24,0	23,813/23,9	8	12,0	12,0	PMX12-xx	■	□	□	□	□	■	□	□
PMX5-25H7-EB30	10019492	25,0	24,8/24,9	8	12,0	12,0	PMX12-xx	□	□	■	□	□	■	□	□
PMX5-25H7-EB45	02925768	25,0	24,8/24,9	8	12,0	12,0	PMX12-xx	■	□	□	□	□	■	□	□
PMX5-26H7-EB30	10019493	26,0	25,8/25,9	8	12,0	12,0	PMX12-xx	□	□	■	□	□	■	□	□
PMX5-26H7-EB45	02925769	26,0	25,8/25,9	8	12,0	12,0	PMX12-xx	■	□	□	□	□	■	□	□
PMX5-27H7-EB45	02925770	27,0	26,8/26,9	8	12,0	12,0	PMX12-xx	■	□	□	□	□	■	□	□
PMX5-28H7-EB30	10019494	28,0	26,8/26,9	8	12,0	12,0	PMX12-xx	□	□	■	□	□	■	□	□

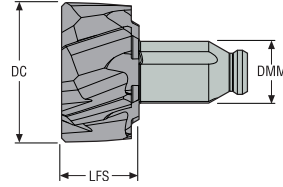
Ürün Tanımı	Ürün numarası	DC	Matkap ebadı*			LFS	DMM	Gövde ebatı	Geometriler			Kaliteler				
			mm	mm					mm	mm	EB45	EB845	EB30	H15	CP20	RX2000
PMX5-28H7-EB45	02925771	28,0	27,8/27,9	8	12,0	12,0	PMX12-xx	■	□	□	□	□	■	□	□	
PMX5-29H7-EB45	02925772	29,0	28,8/28,9	8	12,0	12,0	PMX12-xx	■	□	□	□	□	■	□	□	
PMX5-30H7-EB30	10019495	30,0	29,8/29,9	8	12,0	12,0	PMX12-xx	□	□	■	□	□	■	□	□	
PMX5-30H7-EB45	02925773	30,0	29,8/29,9	8	12,0	12,0	PMX12-xx	■	□	□	□	□	■	□	□	
PMX5-31H7-EB45	02925774	31,0	30,8/30,9	8	12,0	12,0	PMX12-xx	■	□	□	□	□	■	□	□	
PMX5-32H7-EB30	10019496	32,0	31,8/31,9	8	12,0	12,0	PMX12-xx	□	□	■	□	□	■	□	□	
PMX5-32H7-EB45	02925775	32,0	31,8/31,9	8	12,0	12,0	PMX12-xx	■	□	□	□	□	■	□	□	

*Hangi matkabın nasıl kullanılacağına dair daha detaylı bilgi için bakınız sayfa 7

■ Stoklu standart ürün. □ Stoksuz standart ürün.

Kapalı ve açık delikler için kafalar

Ø 8-32 mm / 0.315-1.260"



- Kesme verileri için, bakınız sayfa 360-367
- Giriş geometrisi EB45, EB845 ya da EB30 için, bakınız sayfa 339

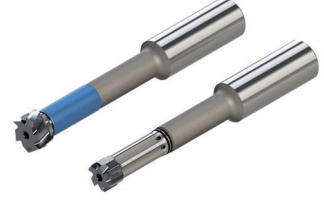
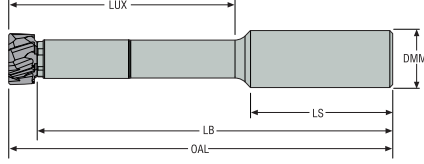
Ürün Tanımı	Ürün numarası	DC	Matkap ebadı*	LFS	DMM	Gövde ebatı	Geometriler			Kaliteler					
							EB45	EB845	EB30	H15	CP20	RX2000	CF	RX1500	
PMX6-8H7-EB45	03123161	8,0	7,8/7,9	6	6,0	4,5	PMX05-xx	■	□	□	□	□	■	□	□
PMX6-9H7-EB45	03123162	9,0	8,8/8,9	6	6,0	4,5	PMX05-xx	■	□	□	□	□	■	□	□
PMX6-10H7-EB45	02965863	10,0	9,8/9,9	6	7,0	6,0	PMX06-xx	■	□	□	□	□	■	□	□
PMX6-11H7-EB45	02925776	11,0	10,8/10,9	6	7,0	6,0	PMX06-xx	■	□	□	□	□	■	□	□
PMX6-12H7-EB45	02925777	12,0	11,8/11,908	6	7,0	6,0	PMX06-xx	■	□	□	□	□	■	□	□
PMX6-13H7-EB45	02925778	13,0	12,8/12,9	6	7,0	6,0	PMX06-xx	■	□	□	□	□	■	□	□
PMX6-14H7-EB45	02925779	14,0	13,8/13,891	6	7,0	6,0	PMX06-xx	■	□	□	□	□	■	□	□
PMX6-15H7-EB45	02925780	15,0	14,8/14,9	6	10,0	8,0	PMX08-xx	■	□	□	□	□	■	□	□
PMX6-16H7-EB45	02925781	16,0	15,8/15,9	6	10,0	8,0	PMX08-xx	■	□	□	□	□	■	□	□
PMX6-17H7-EB45	02925782	17,0	16,8/16,9	6	10,0	8,0	PMX08-xx	■	□	□	□	□	■	□	□
PMX6-18H7-EB45	02925783	18,0	17,8/17,9	6	10,0	8,0	PMX08-xx	■	□	□	□	□	■	□	□
PMX6-19H7-EB45	02925784	19,0	18,8/18,9	6	10,0	8,0	PMX08-xx	■	□	□	□	□	■	□	□
PMX6-20H7-EB45	02925785	20,0	19,8/19,9	6	10,0	8,0	PMX08-xx	■	□	□	□	□	■	□	□
PMX6-21H7-EB45	02925786	21,0	20,8/20,9	6	10,0	8,0	PMX08-xx	■	□	□	□	□	■	□	□
PMX6-22H7-EB45	02925030	22,0	21,8/21,9	8	12,0	12,0	PMX12-xx	■	□	□	□	□	■	□	□
PMX6-23H7-EB45	02925031	23,0	22,8/22,9	8	12,0	12,0	PMX12-xx	■	□	□	□	□	■	□	□
PMX6-24H7-EB45	02925032	24,0	23,813/23,9	8	12,0	12,0	PMX12-xx	■	□	□	□	□	■	□	□
PMX6-25H7-EB45	02925033	25,0	24,8/24,9	8	12,0	12,0	PMX12-xx	■	□	□	□	□	■	□	□
PMX6-26H7-EB45	02925034	26,0	25,8/25,9	8	12,0	12,0	PMX12-xx	■	□	□	□	□	■	□	□
PMX6-27H7-EB45	02925035	27,0	26,8/26,9	8	12,0	12,0	PMX12-xx	■	□	□	□	□	■	□	□
PMX6-28H7-EB45	02925036	28,0	27,8/27,9	8	12,0	12,0	PMX12-xx	■	□	□	□	□	■	□	□
PMX6-29H7-EB45	02925037	29,0	28,8/28,9	8	12,0	12,0	PMX12-xx	■	□	□	□	□	■	□	□
PMX6-30H7-EB45	02925038	30,0	29,8/29,9	8	12,0	12,0	PMX12-xx	■	□	□	□	□	■	□	□
PMX6-31H7-EB45	02925039	31,0	30,8/30,9	8	12,0	12,0	PMX12-xx	■	□	□	□	□	■	□	□
PMX6-32H7-EB45	02925040	32,0	31,8/31,9	8	12,0	12,0	PMX12-xx	■	□	□	□	□	■	□	□

*Hangi matkabın nasıl kullanılacağına dair daha detaylı bilgi için bakınız sayfa 7

■ Stoklu standart ürün. □ Stoksuz standart ürün.

Kapalı ve açık delikler için saplar

Ø 7,75-60,500 mm / 0.305-2.381"



- Kesme verileri için, bakınız sayfa 360-367
- Giriş geometrisi EB45, EB845 ya da EB30 için, bakınız sayfa 339



Ürün Tanımı	Ürün numarası	Tutucu malzemesi	DC	OAL	LB	LS	LUX	DMM
			mm	mm	mm	mm	mm	mm
PMX05-02800-10N1	03123012	Çelik	7,75 - 9,9	69,0	63,0	40,0	28,0	10,0
PMX05-04100-10N1	02929923	Çelik	7,75 - 9,9	84,0	78,0	40,0	41,0	10,0
PMX05-10000-10N1	03123013	Çelik	7,75 - 9,9	143,0	137,0	40,0	100,0	10,0
PMX06-03700-12N1	02925828	Çelik	9,901 - 14,499	84,0	77,0	45,0	37,0	12,0
PMX06-05700-12N1	02925829	Çelik	9,901 - 14,499	104,0	97,0	45,0	57,0	12,0
PMX06-12000-12N1	02925830	Çelik	9,901 - 14,499	167,0	160,0	45,0	120,0	12,0
PMX06HM-12000-12N1	02925831	Karbür	9,901 - 14,499	167,0	160,0	45,0	120,0	12,0
PMX08-04600-20N1	02925832	Çelik	14,5 - 21,499	99,0	89,0	50,0	46,0	20,0
PMX08-08200-20N1	02925833	Çelik	14,5 - 21,499	135,0	125,0	50,0	82,0	20,0
PMX08-14500-20N1	02925834	Çelik	14,5 - 21,499	198,0	188,0	50,0	145,0	20,0
PMX08HM-14500-20N1	02925835	Karbür	14,5 - 21,499	198,0	188,0	50,0	145,0	20,0
PMX12-06800-25N1	02925836	Çelik	21,5 - 32,499	127,0	115,0	56,0	68,0	25,0
PMX12-10400-25N1	02925837	Çelik	21,5 - 32,499	163,0	151,0	56,0	104,0	25,0
PMX12-17000-25N1	02925838	Çelik	21,5 - 32,499	229,0	217,0	56,0	170,0	25,0
PMX12HM-17000-25N1	02925839	Karbür	21,5 - 32,499	229,0	217,0	56,0	170,0	25,0
PMX16-06300-32N1	02925840	Çelik	32,5 - 60,5	124,0	110,0	61,0	63,0	32,0
PMX16-12700-32N1	02925841	Çelik	32,5 - 60,5	188,0	174,0	61,0	127,0	32,0
PMX16-17000-32N1	02925842	Çelik	32,5 - 60,5	231,0	217,0	61,0	170,0	32,0
PMX16HM-17000-32N1	02925843	Karbür	32,5 - 60,5	231,0	217,0	61,0	170,0	32,0

Yedek parçalar

Şu sap için	Şu Ø (mm)	Anahtar	Sıkma kiti	Soğutma sıvısı kiti	Vidalı tapa, kör delik	Vidalı tapa, açık delik
PMX05	7,75-9,900	1.5SMS795	PMX05-CLKI	RT05-KI	SB05	ST05
PMX06	9,901-14,499	2SMS795	PMX06-CLKI	RT06-KI	SB06	ST06
PMX08	14,5-21,499	2.5SMS795	PMX08-CLKI	RT08-KI	SB08	ST08
PMX12	21,5-32,499	4SMS795	PMX12-CLKI	RT12-KI	SB12	ST12
PMX16	32,5-60	5SMS795	PMX16-CLKI	-	SB16	ST16

* Sadece PMX16 gövdeler için yedek parçalar. PMX16 için vidalı tapalar sıkma için de kullanılır.

Aksesuarlar

Şu sap için (mm)	Sap Ebat	Ürün no.	Yedek çubuk	Ürün no.	Yedek çubuk	Ürün no.	Tork anahtarı	Ürün no.	Tork anahtarı	Tork değeri
7,750-9,900	PMX05	03178237		-	-	03178196		-	-	0,5 Nm
9,901-14,499	PMX06	03178238	H00-2.0-33	-	-	03178197	H00-2009-33	-	-	0,9 Nm
14,500-21,499	PMX08	03178240	H00-2.5-40	-	-	03178199	H00-2512-40	-	-	1,2 Nm
21,500-32,499	PMX12	03178242	H00-4.0-60	-	-	03178201	H00-4020-60	-	-	2,0 Nm
32,500-60,500	PMX16	-	-	02506761	H00T-5,0	-	-	03271887	H00T-5050	5,0 Nm

Giriş

Delme

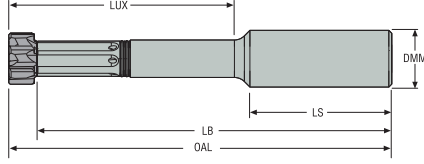
Raybalama

Baralama

Ek

Kapalı delikler için saplar

Ø 7,75-60,500 mm / 0.305-2.381"



- Kesme verileri için, bakınız sayfa 360-367
- Giriş geometrisi EB45, EB845 ya da EB30 için, bakınız sayfa 339



Ürün Tanımı	Ürün numarası	Tutucu malzemesi	DC	OAL	LB	LS	LUX	DMM
			mm	mm	mm	mm	mm	mm
PMX05B-02800-10N1	03144322	Çelik	7,75 - 9,9	69,0	63,0	40,0	28,0	10,0
PMX05B-04100-10N1	03144323	Çelik	7,75 - 9,9	84,0	78,0	40,0	41,0	10,0
PMX05B-10000-10N1	03144324	Çelik	7,75 - 9,9	143,0	137,0	40,0	100,0	10,0
PMX06B-03700-12N1	03075433	Çelik	9,901 - 14,499	84,0	77,0	45,0	37,0	12,0
PMX06B-05700-12N1	03075434	Çelik	9,901 - 14,499	104,0	97,0	45,0	57,0	12,0
PMX06B-12000-12N1	03075435	Çelik	9,901 - 14,499	167,0	160,0	45,0	120,0	12,0
PMX06BHM-12000-12N1	03075436	Karbür	9,901 - 14,499	167,0	160,0	45,0	120,0	12,0
PMX08B-04600-20N1	03075437	Çelik	14,5 - 21,499	99,0	89,0	50,0	46,0	20,0
PMX08B-08200-20N1	03075438	Çelik	14,5 - 21,499	135,0	125,0	50,0	82,0	20,0
PMX08B-14500-20N1	03075439	Çelik	14,5 - 21,499	198,0	188,0	50,0	145,0	20,0
PMX08BHM-14500-20N1	03075440	Karbür	14,5 - 21,499	198,0	188,0	50,0	145,0	20,0
PMX12B-06800-25N1	03075441	Çelik	21,5 - 32,499	127,0	115,0	56,0	68,0	25,0
PMX12B-10400-25N1	03075442	Çelik	21,5 - 32,499	163,0	151,0	56,0	104,0	25,0
PMX12B-17000-25N1	03075443	Çelik	21,5 - 32,499	229,0	217,0	56,0	170,0	25,0
PMX12BHM-17000-25N1	03075444	Karbür	21,5 - 32,499	229,0	217,0	56,0	170,0	25,0
PMX16B-06300-32N1	03075445	Çelik	32,5 - 60,5	124,0	110,0	61,0	63,0	32,0
PMX16B-12700-32N1	03075446	Çelik	32,5 - 60,5	188,0	174,0	61,0	127,0	32,0
PMX16B-17000-32N1	03075447	Çelik	32,5 - 60,5	231,0	217,0	61,0	170,0	32,0
PMX16BHM-17000-32N1	03075448	Karbür	32,5 - 60,5	231,0	217,0	61,0	170,0	32,0

Yedek parçalar

Şu sap için	Şu Ø (mm)	Anahtar	Sıkma kiti	Vidalı tapa, kör delik
PMX05B	7,75-9,900	1.5SMS795	PMX05-CLKI	SB05
PMX06B	9,901-14,499	2SMS795	PMX06-CLKI	SB06
PMX08B	14,500-21,499	2.5SMS795	PMX08-CLKI	SB08
PMX12B	21,500-32,499	4SMS795	PMX12-CLKI	SB12
PMX16B	32,500-60,000	5SMS795	PMX16-CLKI	SB16

* Sadece PMX16 gövdeleri için yedek parçalar. PMX16 için vidalı tapalar sıkma için de kullanılır.

Aksesuarlar

Şu sap için (mm)	Sap Ebat	Ürün no.	Yedek çubuk	Ürün no.	Yedek çubuk	Ürün no.	Tork anahtarı	Ürün no.	Tork anahtarı	Tork değeri
7,750-9,900	PMX05	03178237		-	-	03178196		-	-	0,5 Nm
9,901-14,499	PMX06	03178238	H00-2.0-33	-	-	03178197	H00-2009-33	-	-	0,9 Nm
14,500-21,499	PMX08	03178240	H00-2.5-40	-	-	03178199	H00-2512-40	-	-	1,2 Nm
21,500-32,499	PMX12	03178242	H00-4.0-60	-	-	03178201	H00-4020-60	-	-	2,0 Nm
32,500-60,500	PMX16	-	-	02506761	H00T-5,0	-	-	03271887	H00T-5050	5,0 Nm

Giriş

Delme

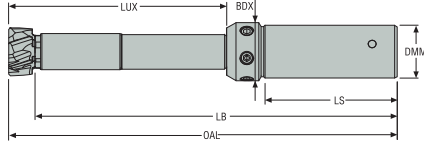
Raybalama

Baralama

Ek

Açık delikler için ayarlanabilir saplar

Ø 7,75-60,500 mm / 0.305-2.381"



- Kesme verileri için, bakınız sayfa 360-367
- Giriş geometrisi EB45, EB845 ya da EB30 için, bakınız sayfa 339

Ürün Tanımı	Ürün numarası	DC	OAL	LB	LS	LUX	DMM
		mm	mm	mm	mm	mm	mm
PMX05T-AD-04100-16N1	03271918	7,75 - 9,9	102,0	96,0	48,0	41,0	16,0
PMX06T-AD-05700-16N1	03002833	9,901 - 14,499	117,0	110,0	48,0	57,0	16,0
PMX08T-AD-08200-20N1	03002835	14,5 - 21,499	147,0	137,0	50,0	82,0	20,0
PMX12T-AD-10400-25N1	03002837	21,5 - 32,499	179,0	167,0	56,0	104,0	25,0
PMX16T-AD-12700-32N1	03002839	32,5 - 60,5	214,0	200,0	60,0	127,0	32,0

Yedek parçalar

Şu sap için	Şu Ø (mm)	Anahtar	Soğutma sıvısı halkası	Ayar anahtarı	Ayar mastarı
PMX05T	7,750-9,900	1.5SMS795	RT05-KI	2SMS795	PMX05-MSTR
PMX06T	9,901-14,499	2SMS795	RT06-KI	-	PMX06-MSTR
PMX08T	14,50-21,499	2.5SMS795	RT08-KI	-	PMX08-MSTR
PMX12T	21,50-32,499	4SMS795	RT12-KI	3SMS795	PMX12-MSTR
PMX16T	32,50-60,000	5SMS795	-	3SMS795	-

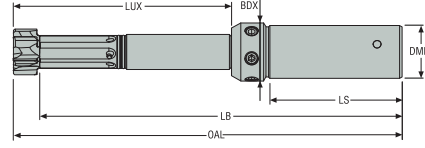
Aksesuarlar

Şu sap için (mm)	Sap Ebat	Ürün no.	Yedek çubuk	Ürün no.	Yedek çubuk	Ürün no.	Tork anahtarı	Ürün no.	Tork anahtarı	Tork değeri
7,750-9,900	PMX05	03178237	H00-1.5-27	-	-	03178196	H00-1505-24	-	-	0,5 Nm
9,901-14,499	PMX06	03178238	H00-2.0-33	-	-	03178197	H00-2009-33	-	-	0,9 Nm
14,500-21,499	PMX08	03178240	H00-2.5-40	-	-	03178199	H00-2512-40	-	-	1,2 Nm
21,500-32,499	PMX12	03178242	H00-4.0-60	-	-	03178201	H00-4020-60	-	-	2,0 Nm
32,500-60,500	PMX16	-	-	02506761	H00T-5,0	-	-	03271887	H00T-5050	5,0 Nm

Not: Tamir kelepçesi kiti PMxx-CLKI, PMX FL & AD tipi için uygun değildir

Kapalı delikler için ayarlanabilir saplar

Ø 7,75-60,500 mm / 0.305-2.381"



- Kesme verileri için, bakınız sayfa 360-367
- Giriş geometrisi EB45, EB845 ya da EB30 için, bakınız sayfa 339

Ürün Tanımı	Ürün numarası	DC	OAL	LB	LS	LUX	DMM
		mm	mm	mm	mm	mm	mm
PMX05B-AD-04100-16N1	03271919	7,75 - 9,9	102,0	96,0	48,0	41,0	16,0
PMX06B-AD-05700-16N1	03002834	9,901 - 14,499	117,0	110,0	48,0	57,0	16,0
PMX08B-AD-08200-20N1	03002836	14,5 - 21,499	147,0	137,0	50,0	82,0	20,0
PMX12B-AD-10400-25N1	03002838	21,5 - 32,499	179,0	167,0	56,0	104,0	25,0
PMX16B-AD-12700-32N1	03002840	32,5 - 60,5	214,0	200,0	60,0	127,0	32,0

Yedek parçalar

Şu sap için	Şu Ø (mm)	Anahtar	Ayar anahtarı	Ayar mastarı
PMX05B	7,750-9,900	1.5SMS795	2SMS795	PMX05-MSTR
PMX06B	9,901-14,499	2SMS795	-	PMX06-MSTR
PMX08B	14,50-21,499	2.5SMS795	-	PMX08-MSTR
PMX12B	21,50-32,499	4SMS795	3SMS795	PMX12-MSTR
PMX16B	32,50-60,000	5SMS795	3SMS795	-

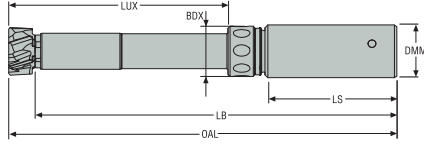
Aksesuarlar

Şu sap için (mm)	Sap Ebat	Ürün no.	Yedek çubuk	Ürün no.	Yedek çubuk	Ürün no.	Tork anahtarı	Ürün no.	Tork anahtarı	Tork değeri
7,750-9,900	PMX05	03178237	H00-1.5-27	-	-	03178196	H00-1505-24	-	-	0,5 Nm
9,901-14,499	PMX06	03178238	H00-2.0-33	-	-	03178197	H00-2009-33	-	-	0,9 Nm
14,500-21,499	PMX08	03178240	H00-2.5-40	-	-	03178199	H00-2512-40	-	-	1,2 Nm
21,500-32,499	PMX12	03178242	H00-4.0-60	-	-	03178201	H00-4020-60	-	-	2,0 Nm
32,500-60,500	PMX16	-	-	02506761	H00T-5,0	-	-	03271887	H00T-5050	5,0 Nm

Not: Tamir kelepçesi kiti PMxx-CLKI, PMX FL & AD tipi için uygun değildir

Açık delikler için yüzer saplar

Ø 7,75-60,500 mm / 0.305-2.381"



- Kesme verileri için, bakınız sayfa 360-367
- Giriş geometrisi EB45, EB845 ya da EB30 için, bakınız sayfa 339

Ürün Tanımı	Ürün numarası	DC	OAL	LB	LS	LUX	DMM
		mm	mm	mm	mm	mm	mm
PMX05T-FL-04100-16N1	03197751	7,75 - 9,9	102,0	96,0	48,0	41,0	16,0
PMX06T-FL-05700-16N1	03002825	9,901 - 14,499	117,0	110,0	48,0	57,0	16,0
PMX08T-FL-08200-20N1	03002827	14,5 - 21,499	147,0	137,0	50,0	82,0	20,0
PMX12T-FL-10400-25N1	03002829	21,5 - 32,499	179,0	167,0	56,0	104,0	25,0
PMX16T-FL-12700-32N1	03002831	32,5 - 60,5	214,0	200,0	60,0	127,0	32,0

Yedek parçalar

Şu sap için	Şu Ø (mm)	Anahtar	Soğutma sıvısı halkası
PMX05T	7,750-9,900	1.5SMS795	RT05-KI
PMX06T	9,901-14,499	2SMS795	RT06-KI
PMX08T	14,50-21,499	2.5SMS795	RT08-KI
PMX12T	21,50-32,499	4SMS795	RT12-KI
PMX16T	32,50-60,000	5SMS795	-

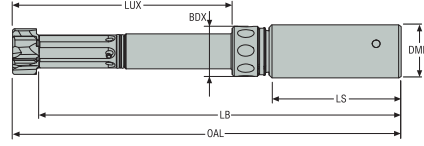
Aksesuarlar

Şu sap için (mm)	Sap Ebat	Ürün no.	Yedek çubuk	Ürün no.	Yedek çubuk	Ürün no.	Tork anahtarı	Ürün no.	Tork anahtarı	Tork değeri
7,750-9,900	PMX05	03178237	H00-1.5-27	-	-	03178196	H00-1505-24	-	-	0,5 Nm
9,901-14,499	PMX06	03178238	H00-2.0-33	-	-	03178197	H00-2009-33	-	-	0,9 Nm
14,500-21,499	PMX08	03178240	H00-2.5-40	-	-	03178199	H00-2512-40	-	-	1,2 Nm
21,500-32,499	PMX12	03178242	H00-4.0-60	-	-	03178201	H00-4020-60	-	-	2,0 Nm
32,500-60,500	PMX16	-	-	02506761	H00T-5,0	-	-	03271887	H00T-5050	5,0 Nm

Not: Tamir kelepçesi kiti PMxx-CLKI, PMX FL & AD tipi için uygun değildir

Kapalı delikler için yüzer saplar

Ø 7,75-60,500 mm / 0.305-2.381"



- Kesme verileri için, bakınız sayfa 360-367
- Giriş geometrisi EB45, EB845 ya da EB30 için, bakınız sayfa 339

Ürün Tanımı	Ürün numarası	DC	OAL	LB	LS	LUX	DMM
		mm	mm	mm	mm	mm	mm
PMX05B-FL-04100-16N1	03271916	7,75 - 9,9	102,0	96,0	48,0	41,0	16,0
PMX06B-FL-05700-16N1	03002826	9,901 - 14,499	117,0	110,0	48,0	57,0	16,0
PMX08B-FL-08200-20N1	03002828	14,5 - 21,499	147,0	137,0	50,0	82,0	20,0
PMX12B-FL-10400-25N1	03002830	21,5 - 32,499	179,0	167,0	56,0	104,0	25,0
PMX16B-FL-12700-32N1	03002832	32,5 - 60,5	214,0	200,0	60,0	127,0	32,0

Yedek parçalar

Şu sap için	Şu Ø (mm)	Anahtar
PMX05B	7,750-9,900	1.5SMS795
PMX06B	9,901-14,499	2SMS795
PMX08B	14,50-21,499	2.5SMS795
PMX12B	21,50-32,499	4SMS795
PMX16B	32,50-60,500	5SMS795

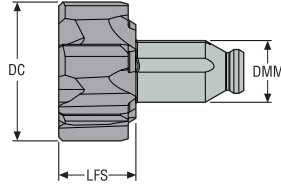
Aksesuarlar

Şu sap için (mm)	Sap Ebat	Ürün no.	Yedek çubuk	Ürün no.	Yedek çubuk	Ürün no.	Tork anahtarı	Ürün no.	Tork anahtarı	Tork değeri
7,750-9,900	PMX05	03178237	H00-1.5-27	-	-	03178196	H00-1505-24	-	-	0,5 Nm
9,901-14,499	PMX06	03178238	H00-2.0-33	-	-	03178197	H00-2009-33	-	-	0,9 Nm
14,500-21,499	PMX08	03178240	H00-2.5-40	-	-	03178199	H00-2512-40	-	-	1,2 Nm
21,500-32,499	PMX12	03178242	H00-4.0-60	-	-	03178201	H00-4020-60	-	-	2,0 Nm
32,500-60,500	PMX16	-	-	02506761	H00T-5,0	-	-	03271887	H00T-5050	5,0 Nm

Not: Tamir kelepçesi kiti PMxx-CLKI, PMX FL & AD tipi için uygun değildir

Kapalı ve açık delikler için kafalar, Özel Tasarım

Ø 7,75-60,500 mm / 0.305-2.381"



- Kesme verileri için, bakınız sayfa 360-367
- Giriş geometrisi EB45, EB845 ya da EB30 için, bakınız sayfa 339

Ürün Tanımı	DCN	DCX	LFS	DMM	Gövde ebatı	Geometriler	Kaliteler												
	mm İnç	mm İnç	mm İnç	mm İnç			H15	CP20	RX2000	RK2050	RK1550	CF	RX1500	RN2010	RM2020	RM2090	RS2090		
PMX5-7.75-XX-XXXX	7,75 0.305	9,999 0.394	6,0 0.236	4,5 0.177	6	PMX05-xx	EB45 EB845 EB30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PMX5-10.0-XX-XXXX	10,0 0.394	14,499 0.571	7,0 0.276	6,0 0.236	6	PMX06-xx	EB45 EB845 EB30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PMX5-14.5-XX-XXXX	14,5 0.571	21,499 0.846	10,0 0.394	8,0 0.315	6	PMX08-xx	EB45 EB845 EB30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PMX5-21.5-XX-XXXX	21,5 0.846	32,499 1.279	12,0 0.472	12,0 0.472	8	PMX12-xx	EB45 EB845 EB30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PMX5-32.5-XX-XXXX	32,5 1.280	60,5 2.382	14,0 0.551	16,0 0.630	10	PMX16-xx	EB45 EB845 EB30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

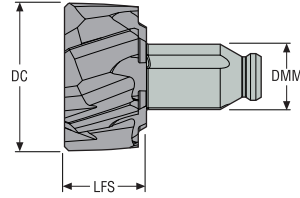
☐ = Stoksuz standart ürün. Değişiklik olabilir, geçerli fiyat ve stok listesine bakınız.

Not: Ara çaplar için Precimaster Plus raybalarını sipariş ederken lütfen raybalanacak deliğin çap ve tolerans değerini belirtin.

Sipariş örneği: PMX5-16.515 P7-EB45 RM2020. PMX6-16.515 P7-EB45 RM2020.

Açık delikler için kafalar, Özel Tasarım

Ø 7,75-60,500 mm / 0.305-2.381"



- Kesme verileri için, bakınız sayfa 360-367
- Giriş geometrisi EB45, EB845 ya da EB30 için, bakınız sayfa 339

Ürün Tanımı	DCN	DCX	LFS	DMM	Gövde ebatı	Geometriler	Kaliteler												
	mm İnç	mm İnç	mm İnç	mm İnç			H15	CP20	RX2000	RX2050	RX1550	CF	RX1500	RN2010	RM2020	RM2090	RS2090		
PMX6-7.75-XX-XXXX	7,75 0.305	9,999 0.394	6,0 0.236	4,5 0.177	6	PMX05-xx	EB45 EB845 EB30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PMX6-10.0-XX-XXXX	10,0 0.394	14,499 0.571	7,0 0.276	6,0 0.236	6	PMX06-xx	EB45 EB845 EB30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PMX6-14.5-XX-XXXX	14,5 0.571	21,499 0.846	10,0 0.394	8,0 0.315	6	PMX08-xx	EB45 EB845 EB30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PMX6-21.5-XX-XXXX	21,5 0.846	32,499 1.279	12,0 0.472	12,0 0.472	8	PMX12-xx	EB45 EB845 EB30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PMX6-32.5-XX-XXXX	32,5 1.280	60,5 2.382	14,0 0.551	16,0 0.630	10	PMX16-xx	EB45 EB845 EB30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

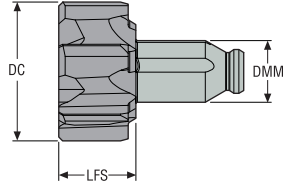
= Stoksuz standart ürün. Değişiklik olabilir, geçerli fiyat ve stok listesine bakınız.

Not: Ara çaplar için Precimaster Plus raybalarını sipariş ederken lütfen raybalanacak deliğin çap ve tolerans değerini belirtin.

Sipariş örneği: PMX5-16.515 P7-EB45 RM2020. PMX6-16.515 P7-EB45 RM2020.

Açık ve kapalı delikler için genişletilebilir kafalar

Ø 10,00-32,500 mm / 0.393-1.279"



- Kesme verileri için, bakınız sayfa 360-367
- Giriş geometrisi EB45, EB845 ya da EB30 için, bakınız sayfa 339

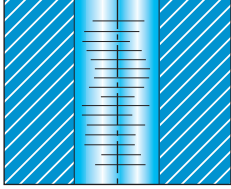
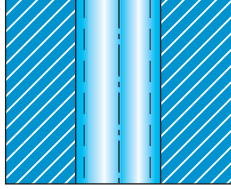
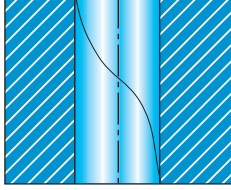
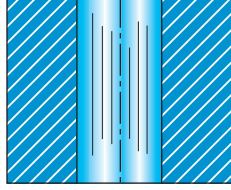
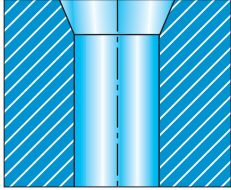
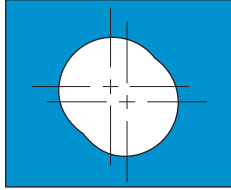
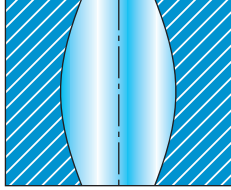
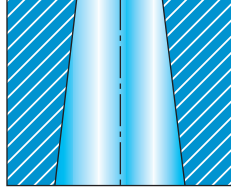
Ürün Tanımı	DCN	DCX	LFS	DMM	Gövde ebatı	Geometriler	Kaliteler												
	mm İnç	mm İnç	mm İnç	mm İnç			H15	CP20	RX2000	RK2050	RK1550	CF	RX1500	RN2010	RM2020	RM2090	RS2090		
PMX8-10.0-XX-XXXX	10,0 0.394	14,499 0.571	7,0 0.276	6,0 0.236	6	PMX06-xx	EB45 EB845 EB30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PMX8-14.5-XX-XXXX	14,5 0.571	21,499 0.846	10,0 0.394	8,0 0.315	6	PMX08-xx	EB45 EB845 EB30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PMX8-21.5-XX-XXXX	21,5 0.846	32,499 1.279	12,0 0.472	12,0 0.472	8	PMX12-xx	EB45 EB845 EB30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

= Stoksuz standart ürün. Değişiklik olabilir, geçerli fiyat ve stok listesine bakınız.

Not: Ara çaplar için Precimaster Plus raybalarını sipariş ederken lütfen raybalanacak deliğin çap ve tolerans değerini belirtin.

Sipariş örneği: PMX8-16.515 P7-EB45 RM2020.

Sorun giderme

Kötü yüzey kalitesi	Çok büyük çap
<ul style="list-style-type: none">Talaş miktarını kontrol edinSoğutma sıvısı şartlarını (çıkış tipi, basınç, kalite) iyileştirinİlerleme oranını düşürün	<ul style="list-style-type: none">Merkezlemeyi iyileştirin (parça/takım)
	
Geri çekme işaretleri	Boylamasına çizgiler
<ul style="list-style-type: none">Soğutma sıvısı şartlarını (çıkış türü, basınç, kalite) iyileştirinMerkezlemeyi iyileştirin (parça/takım)İlerleme oranını düşürün	<ul style="list-style-type: none">Merkezlemeyi iyileştirin (parça/takım)Talaş miktarını kontrol edin
	
Açılı giriş	Kaçık merkez/Ovallık
<ul style="list-style-type: none">İlerleme oranını düşürünMerkezlemeyi iyileştirin (parça/takım)Radyal salgıyı azaltın	<ul style="list-style-type: none">Bağlamayı iyileştirin (iş parçası deformasyonu)Talaş miktarını kontrol edinMerkezlemeyi iyileştirin (parça/takım)
	
Deforme delik	Konik delik
<ul style="list-style-type: none">Bağlamayı iyileştirin (iş parçası deformasyonu)	<ul style="list-style-type: none">Merkezlemeyi iyileştirin (parça/takım)
	

Tekrar bileme talimatları

Özellikler

Elmas bileme taşı

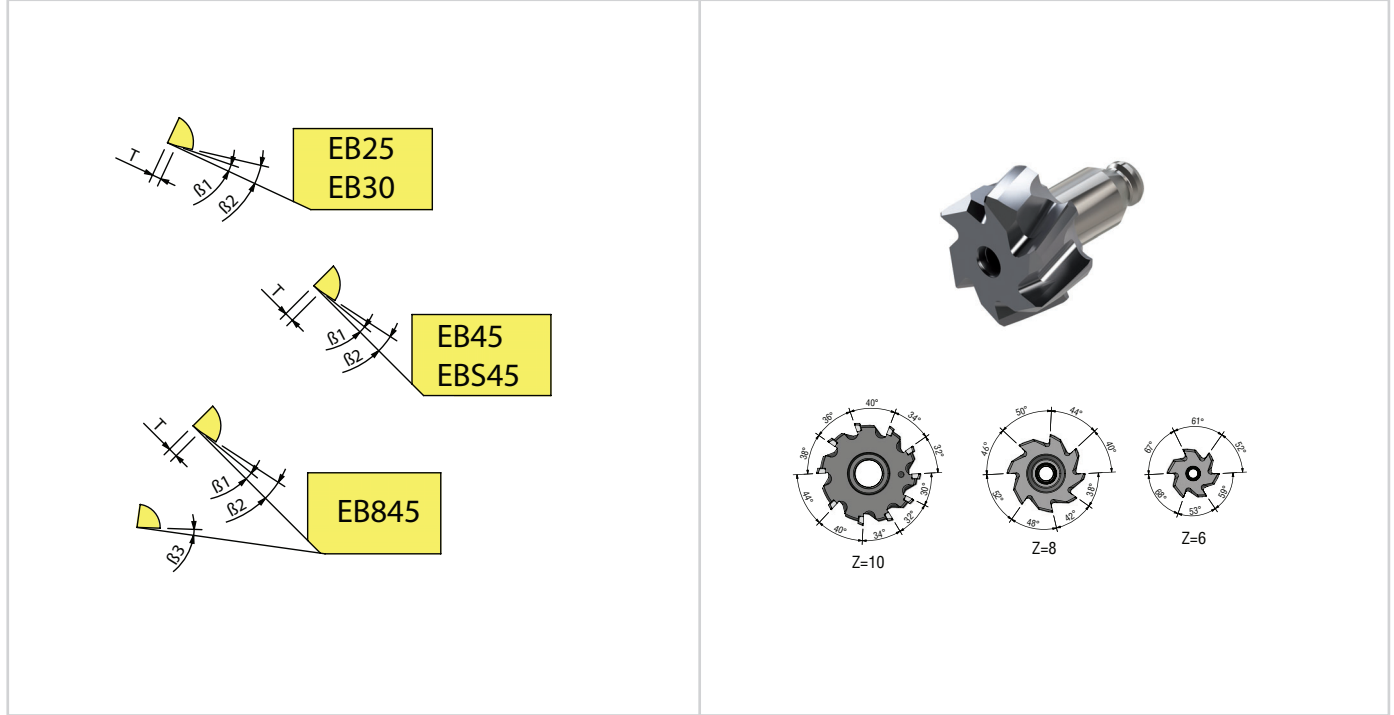
Tanecik ebadı:

D6 – İlk boşluk açısı için (β_1 - β_3)D64 – İkinci boşluk açısı için (β_2)

Önemli:

Tekrar bileme işlemi raybanın çapını düşürür

Tekrar kaplama çapı büyütebilir

Giriş pahındaki salgı maksimum 10 μm (394 μin)

\varnothing Precimaster Plus mm (inç)	β_1	β_2	β_3	T mm (inç)
7,75-9,999 (0,3151-0,3937)	8°	18°	8°	0,20 (0,008)
10,00-14,499 (0,3937-0,5708)	8°	18°	8°	0,20 (0,008)
14,500-21,499 (0,5709-0,8464)	8°	18°	8°	0,20 (0,008)
21,500-32,499 (0,8465-1,2795)	8°	18°	8°	0,25 (0,010)
32,500-60,499 (1,2795-2,3819)	8°	15°	8°	0,30 (0,012)

Kesme verileri – PM Plus... -EB45 Metrik

SMG		a_p (°)		f			v_c										
		z=6	z=8 z=10	z=6	z=8	z=10	H15	CP20	RX2000	RK2050	CF	RX1500	RK1550	RN2010	RM2020	RM2090	RS2090
P1	PMX5 ..6 ..8 -EB45	0,10 -0,20	0,10 -0,30	0,30 -0,90	0,40 -1,20	0,50 -1,50	25 (15-30)	60 (30-100)	80 (30-150)	-	180 (90-200)	220 (120-300)	-	-	-	-	-
P2	PMX5 ..6 ..8 -EB45	0,10 -0,20	0,10 -0,30	0,30 -0,90	0,40 -1,20	0,50 -1,50	25 (15-30)	60 (30-100)	80 (30-150)	-	180 (90-200)	220 (120-300)	-	-	-	-	-
P3	PMX5 ..6 ..8 -EB45	0,10 -0,20	0,10 -0,30	0,30 -0,90	0,40 -1,20	0,50 -1,50	25 (15-30)	60 (30-100)	80 (30-150)	-	180 (90-200)	220 (120-300)	-	-	-	-	-
P4	PMX5 ..6 ..8 -EB45	0,10 -0,20	0,10 -0,30	0,20 -0,70	0,30 -1,00	0,40 -1,20	20 (10-25)	50 (30-80)	60 (30-120)	-	120 (80-150)	180 (90-200)	-	-	-	-	-
P5	PMX5 ..6 ..8 -EB45	0,10 -0,20	0,10 -0,30	0,20 -0,70	0,30 -1,00	0,40 -1,20	20 (10-25)	50 (30-80)	60 (30-120)	-	120 (80-150)	180 (90-200)	-	-	-	-	-
P6	PMX5 ..6 ..8 -EB45	0,10 -0,20	0,10 -0,30	0,20 -0,70	0,30 -1,00	0,40 -1,20	20 (10-25)	50 (30-80)	60 (30-120)	-	120 (80-150)	180 (90-200)	-	-	-	-	-
P7	PMX5 ..6 ..8 -EB45	0,10 -0,20	0,10 -0,30	0,20 -0,70	0,30 -1,00	0,40 -1,20	20 (10-25)	50 (30-80)	60 (30-120)	-	120 (80-150)	180 (90-200)	-	-	-	-	-
P8	PMX5 ..6 ..8 -EB45	0,10 -0,20	0,10 -0,30	0,20 -0,70	0,30 -1,00	0,40 -1,20	15 (10-20)	35 (20-60)	40 (20-80)	-	80 (60-120)	120 (80-180)	-	-	-	-	-
P11	PMX5 ..6 ..8 -EB45	0,10 -0,20	0,10 -0,30	0,20 -0,70	0,30 -1,00	0,40 -1,20	15 (10-20)	35 (20-60)	40 (20-80)	-	80 (60-120)	120 (80-180)	-	-	-	-	-
P12	PMX5 ..6 ..8 -EB45	0,10 -0,20	0,10 -0,30	0,20 -0,70	0,30 -1,00	0,40 -1,20	12 (8-15)	25 (15-45)	30 (15-65)	-	65 (45-95)	95 (65-145)	-	-	-	-	-
M1	PMX5 ..6 ..8 -EB45	0,08 -0,15	0,10 -0,20	0,20 -0,60	0,30 -0,80	0,40 -1,00	12 (9-15)	25 (15-45)	35 (20-70)	-	-	-	-	-	25 (15-40)	40 (25-80)	-
M2	PMX5 ..6 ..8 -EB45	0,08 -0,15	0,10 -0,20	0,20 -0,60	0,30 -0,80	0,40 -1,00	-	25 (15-45)	35 (20-70)	-	-	-	-	-	25 (15-40)	40 (25-80)	-
M3	PMX5 ..6 ..8 -EB45	0,08 -0,15	0,10 -0,20	0,20 -0,60	0,30 -0,80	0,40 -1,00	-	25 (15-45)	35 (20-70)	-	-	-	-	-	25 (15-40)	40 (25-80)	-
M4	PMX5 ..6 ..8 -EB45	0,08 -0,15	0,10 -0,20	0,20 -0,60	0,30 -0,80	0,40 -1,00	-	20 (10-30)	25 (15-50)	-	-	-	-	-	20 (10-30)	30 (20-60)	-
M5	PMX5 ..6 ..8 -EB45	0,08 -0,15	0,10 -0,20	0,20 -0,60	0,30 -0,80	0,40 -1,00	-	20 (10-30)	25 (15-50)	-	-	-	-	-	20 (10-30)	30 (20-60)	-
K1	PMX5 ..6 ..8 -EB45	0,10 -0,20	0,10 -0,25	0,30 -0,90	0,40 -1,20	0,50 -1,50	25 (15-30)	60 (40-100)	80 (30-150)	90 (35-170)	-	220 (120-300)	245 (135-335)	-	-	-	-
K2	PMX5 ..6 ..8 -EB45	0,10 -0,20	0,10 -0,25	0,30 -0,90	0,40 -1,20	0,50 -1,50	-	25 (20-40)	40 (30-70)	45 (35-80)	-	80 (50-100)	90 (55-110)	-	-	-	-
K3	PMX5 ..6 ..8 -EB45	0,10 -0,20	0,10 -0,25	0,30 -0,90	0,40 -1,20	0,50 -1,50	25 (15-30)	60 (40-100)	80 (30-150)	90 (35-170)	-	220 (120-300)	245 (135-335)	-	-	-	-
K4	PMX5 ..6 ..8 -EB45	0,10 -0,20	0,10 -0,25	0,30 -0,90	0,40 -1,20	0,50 -1,50	25 (15-30)	45 (30-70)	70 (40-120)	80 (45-135)	100 (70-150)	150 (80-200)	170 (90-225)	-	-	-	-
K5	PMX5 ..6 ..8 -EB45	0,10 -0,20	0,10 -0,25	0,30 -0,90	0,40 -1,20	0,50 -1,50	25 (15-30)	45 (30-70)	70 (40-120)	80 (45-135)	100 (70-150)	150 (80-200)	170 (90-225)	-	-	-	-
K6	PMX5 ..6 ..8 -EB45	0,10 -0,20	0,10 -0,25	0,30 -0,90	0,40 -1,20	0,50 -1,50	-	60 (40-100)	80 (30-150)	90 (35-170)	-	220 (120-300)	245 (135-335)	-	-	-	-
K7	PMX5 ..6 ..8 -EB45	0,10 -0,20	0,10 -0,25	0,30 -0,90	0,40 -1,20	0,50 -1,50	-	60 (40-100)	80 (30-150)	90 (35-170)	-	220 (120-300)	245 (135-335)	-	-	-	-
N1	PMX5 ..6 ..8 -EB45	0,10 -0,20	0,10 -0,30	0,30 -0,90	0,40 -1,20	0,50 -1,50	50 (30-100)	-	80 (30-150)	-	-	-	-	50 (30-100)	-	-	-
N2	PMX5 ..6 ..8 -EB45	0,10 -0,20	0,10 -0,30	0,30 -0,90	0,40 -1,20	0,50 -1,50	50 (30-100)	-	80 (30-150)	-	-	-	-	50 (30-100)	-	-	-
N3	PMX5 ..6 ..8 -EB45	0,10 -0,20	0,10 -0,30	0,30 -0,90	0,40 -1,20	0,50 -1,50	50 (30-100)	-	80 (30-150)	-	-	-	-	50 (30-100)	-	-	-
N11	PMX5 ..6 ..8 -EB45	0,10 -0,20	0,10 -0,30	0,30 -0,90	0,40 -1,20	0,50 -1,50	50 (30-100)	-	80 (30-150)	-	-	-	-	50 (30-100)	-	-	-
S1	PMX5 ..6 ..8 -EB45	0,08 -0,15	0,10 -0,15	0,20 -0,60	0,30 -0,80	0,40 -1,00	-	20 (10-25)	20 (10-25)	-	-	-	-	-	-	-	-
S2	PMX5 ..6 ..8 -EB45	0,08 -0,15	0,10 -0,15	0,20 -0,60	0,30 -0,80	0,40 -1,00	-	20 (10-25)	20 (10-25)	-	-	-	-	-	-	-	-
S3	PMX5 ..6 ..8 -EB45	0,08 -0,15	0,10 -0,15	0,20 -0,60	0,30 -0,80	0,40 -1,00	-	20 (10-25)	20 (10-25)	-	-	-	-	-	-	-	-
S11	PMX5 ..6 ..8 -EB45	0,08 -0,15	0,10 -0,15	0,20 -0,60	0,30 -0,80	0,40 -1,00	20 (15-30)	30 (15-40)	40 (20-50)	-	-	-	-	-	-	-	-
S12	PMX5 ..6 ..8 -EB45	0,08 -0,15	0,10 -0,15	0,20 -0,60	0,30 -0,80	0,40 -1,00	20 (15-30)	30 (15-40)	40 (20-50)	-	-	-	-	-	-	-	-
S13	PMX5 ..6 ..8 -EB45	0,08 -0,15	0,10 -0,15	0,20 -0,60	0,30 -0,80	0,40 -1,00	20 (15-30)	30 (15-40)	40 (20-50)	-	-	-	-	-	-	-	-

Tablo sonraki sayfada devam ediyor.

Giriş
Delme
Raybalama
Baralama
Ek

Kesme verileri – PM Plus... -EB45 Metrik

SMG		a _p (°)		f			v _c										
		z=6	z=8 z=10	z=6	z=8	z=10	H15	CP20	RX2000	RK2050	CF	RX1500	RK1550	RN2010	RM2020	RM2090	RS2090
H3	PMX5 .6 .8 -EB45	0,08 -0,15	0,10 -0,15	0,20 -0,40	0,30 -0,60	0,40 -0,75	-	-	10 (8-15)	-	-	-	-	-	-	-	-
H5	PMX5 .6 .8 -EB45	0,08 -0,15	0,10 -0,15	0,20 -0,40	0,30 -0,60	0,40 -0,75	-	-	10 (8-15)	-	-	-	-	-	-	-	-
H7	PMX5 .6 .8 -EB45	0,08 -0,15	0,10 -0,15	0,20 -0,40	0,30 -0,60	0,40 -0,75	-	-	10 (8-15)	-	-	-	-	-	-	-	-
H8	PMX5 .6 .8 -EB45	0,08 -0,15	0,10 -0,15	0,20 -0,40	0,30 -0,60	0,40 -0,75	-	-	10 (8-15)	-	-	-	-	-	-	-	-
H11	PMX5 .6 .8 -EB45	0,08 -0,15	0,10 -0,15	0,20 -0,40	0,30 -0,60	0,40 -0,75	-	-	10 (8-15)	-	-	-	-	-	-	-	-
H12	PMX5 .6 .8 -EB45	0,08 -0,15	0,10 -0,15	0,20 -0,40	0,30 -0,60	0,40 -0,75	-	-	10 (8-15)	-	-	-	-	-	-	-	-
H21	PMX5 .6 .8 -EB45	0,08 -0,15	0,10 -0,15	0,20 -0,40	0,30 -0,60	0,40 -0,75	-	-	10 (8-15)	-	-	-	-	-	-	-	-
H31	PMX5 .6 .8 -EB45	0,08 -0,15	0,10 -0,15	0,20 -0,40	0,30 -0,60	0,40 -0,75	-	-	10 (8-15)	-	-	-	-	-	-	-	-
PM1	PMX5 .6 .8 -EB45	0,10 -0,20	0,10 -0,30	0,30 -0,90	0,40 -1,20	0,50 -1,50	-	50 (30-80)	70 (40-100)	-	-	-	-	-	-	-	-
PM2	PMX5 .6 .8 -EB45	0,10 -0,20	0,10 -0,30	0,30 -0,90	0,40 -1,20	0,50 -1,50	-	50 (30-80)	70 (40-100)	-	-	-	-	-	-	-	-
PM3	PMX5 .6 .8 -EB45	0,10 -0,20	0,10 -0,30	0,30 -0,90	0,40 -1,20	0,50 -1,50	-	50 (30-80)	70 (40-100)	-	-	-	-	-	-	-	-
TS1	PMX5 .6 .8 -EB45	0,10 -0,15	0,10 -0,20	0,30 -0,90	0,40 -1,20	0,50 -1,50	20 (15-25)	-	40 (20-60)	-	-	-	-	-	-	-	-
TS2	PMX5 .6 .8 -EB45	0,10 -0,15	0,10 -0,20	0,30 -0,90	0,40 -1,20	0,50 -1,50	20 (15-25)	-	40 (20-60)	-	-	-	-	-	-	-	-
TS3	PMX5 .6 .8 -EB45	0,10 -0,15	0,10 -0,20	0,30 -0,90	0,40 -1,20	0,50 -1,50	20 (15-25)	-	40 (20-60)	-	-	-	-	-	-	-	-
TS4	PMX5 .6 .8 -EB45	0,10 -0,15	0,10 -0,20	0,30 -0,90	0,40 -1,20	0,50 -1,50	20 (15-25)	-	40 (20-60)	-	-	-	-	-	-	-	-
TP1	PMX5 .6 .8 -EB45	0,10 -0,15	0,10 -0,20	0,30 -0,90	0,40 -1,20	0,50 -1,50	20 (15-25)	-	40 (20-60)	-	-	-	-	-	-	-	-
TP2	PMX5 .6 .8 -EB45	0,10 -0,15	0,10 -0,20	0,30 -0,90	0,40 -1,20	0,50 -1,50	20 (15-25)	-	40 (20-60)	-	-	-	-	-	-	-	-
TP3	PMX5 .6 .8 -EB45	0,10 -0,15	0,10 -0,20	0,30 -0,90	0,40 -1,20	0,50 -1,50	20 (15-25)	-	40 (20-60)	-	-	-	-	-	-	-	-
TP4	PMX5 .6 .8 -EB45	0,10 -0,15	0,10 -0,20	0,30 -0,90	0,40 -1,20	0,50 -1,50	20 (15-25)	-	40 (20-60)	-	-	-	-	-	-	-	-
GR1	PMX5 .6 .8 -EB45	0,10 -0,30	0,10 -0,40	0,30 -0,90	0,40 -1,20	0,50 -1,50	40 (80-20)	-	60 (30-120)	-	-	-	-	-	-	-	-

SMG = Seco malzeme grubu
a_p = mm
f = mm/dev
v_c = m/dak
Tüm kesme verileri başlangıç değerleridir

Giriş

Delme

Raybalama

Baralama

Ek

Kesme verileri – PM Plus...-EB45 inç

SMG		a _p (°)		f			V _c										
		z=6	z=8 z=10	z=6	z=8	z=10	H15	CP20	RX2000	RK2050	CF	RX1500	RK1550	RN2010	RM2020	RM2090	RS2090
P1	PMX5...6..8-EB45	.004 -.008	.004 -.012	.012 -.035	.016 -.047	.020 -.059	80 (50-100)	195 (100-330)	260 (100-490)	-	590 (295-655)	720 (395-985)	-	-	-	-	-
P2	PMX5...6..8-EB45	.004 -.008	.004 -.012	.012 -.035	.016 -.047	.020 -.059	80 (50-100)	195 (100-330)	260 (100-490)	-	590 (295-655)	720 (395-985)	-	-	-	-	-
P3	PMX5...6..8-EB45	.004 -.008	.004 -.012	.012 -.035	.016 -.047	.020 -.059	80 (50-100)	195 (100-330)	260 (100-490)	-	590 (295-655)	720 (395-985)	-	-	-	-	-
P4	PMX5...6..8-EB45	.004 -.008	.004 -.012	.008 -.028	.012 -.039	.016 -.047	65 (35-80)	165 (100-260)	195 (100-395)	-	395 (260-490)	590 (295-655)	-	-	-	-	-
P5	PMX5...6..8-EB45	.004 -.008	.004 -.012	.008 -.028	.012 -.039	.016 -.047	65 (35-80)	165 (100-260)	195 (100-395)	-	395 (260-490)	590 (295-655)	-	-	-	-	-
P6	PMX5...6..8-EB45	.004 -.008	.004 -.012	.008 -.028	.012 -.039	.016 -.047	65 (35-80)	165 (100-260)	195 (100-395)	-	395 (260-490)	590 (295-655)	-	-	-	-	-
P7	PMX5...6..8-EB45	.004 -.008	.004 -.012	.008 -.028	.012 -.039	.016 -.047	65 (35-80)	165 (100-260)	195 (100-395)	-	395 (260-490)	590 (295-655)	-	-	-	-	-
P8	PMX5...6..8-EB45	.004 -.008	.004 -.012	.008 -.028	.012 -.039	.016 -.047	50 (35-65)	115 (65-195)	130 (65-260)	-	260 (195-395)	395 (260-590)	-	-	-	-	-
P11	PMX5...6..8-EB45	.004 -.008	.004 -.012	.008 -.028	.012 -.039	.016 -.047	50 (35-65)	115 (65-195)	130 (65-260)	-	260 (195-395)	395 (260-590)	-	-	-	-	-
P12	PMX5...6..8-EB45	.004 -.008	.004 -.008	.008 -.028	.012 -.039	.016 -.047	40 (25-50)	80 (50-130)	100 (50-215)	-	215 (150-315)	315 (215-480)	-	-	-	-	-
M1	PMX5...6..8-EB45	.003 -.006	.004 -.008	.008 -.024	.012 -.031	.016 -.039	40 (30-50)	80 (50-130)	115 (65-230)	-	-	-	-	-	80 (50-130)	130 (80-260)	-
M2	PMX5...6..8-EB45	.003 -.006	.004 -.008	.008 -.024	.012 -.031	.016 -.039	-	80 (50-130)	115 (65-230)	-	-	-	-	-	80 (50-130)	130 (80-260)	-
M3	PMX5...6..8-EB45	.003 -.006	.004 -.008	.008 -.024	.012 -.031	.016 -.039	-	80 (50-130)	115 (65-230)	-	-	-	-	-	80 (50-130)	130 (80-260)	-
M4	PMX5...6..8-EB45	.003 -.006	.004 -.008	.008 -.024	.012 -.031	.016 -.039	-	65 (35-100)	80 (50-165)	-	-	-	-	-	65 (35-100)	100 (65-195)	-
M5	PMX5...6..8-EB45	.003 -.006	.004 -.008	.008 -.024	.012 -.031	.016 -.039	-	65 (35-100)	80 (50-165)	-	-	-	-	-	65 (35-100)	100 (65-195)	-
K1	PMX5...6..8-EB45	.004 -.008	.004 -.010	.012 -.035	.016 -.047	.020 -.059	80 (50-100)	195 (130-330)	260 (100-490)	290 (110-550)	-	720 (395-985)	805 (440-1105)	-	-	-	-
K2	PMX5...6..8-EB45	.004 -.008	.004 -.010	.012 -.035	.016 -.047	.020 -.059	-	80 (65-130)	130 (100-230)	145 (110-260)	-	260 (165-330)	290 (185-370)	-	-	-	-
K3	PMX5...6..8-EB45	.004 -.008	.004 -.010	.012 -.035	.016 -.047	.020 -.059	80 (50-100)	195 (130-330)	260 (100-490)	290 (110-550)	-	720 (395-985)	805 (440-1105)	-	-	-	-
K4	PMX5...6..8-EB45	.004 -.008	.004 -.010	.012 -.035	.016 -.047	.020 -.059	80 (50-100)	150 (100-230)	230 (130-395)	260 (145-440)	330 (230-490)	490 (260-655)	550 (290-735)	-	-	-	-
K5	PMX5...6..8-EB45	.004 -.008	.004 -.010	.012 -.035	.016 -.047	.020 -.059	80 (50-100)	150 (100-230)	230 (130-395)	260 (145-440)	330 (230-490)	490 (260-655)	550 (290-735)	-	-	-	-
K6	PMX5...6..8-EB45	.004 -.008	.004 -.010	.012 -.035	.016 -.047	.020 -.059	-	195 (130-330)	260 (100-490)	290 (110-550)	-	720 (395-985)	805 (440-1105)	-	-	-	-
K7	PMX5...6..8-EB45	.004 -.008	.004 -.010	.012 -.035	.016 -.047	.020 -.059	-	195 (130-330)	260 (100-490)	290 (110-550)	-	720 (395-985)	805 (440-1105)	-	-	-	-
N1	PMX5...6..8-EB45	.004 -.008	.004 -.012	.012 -.035	.016 -.047	.020 -.059	165 (100-330)	-	260 (100-490)	-	-	-	-	165 (100-330)	-	-	-
N2	PMX5...6..8-EB45	.004 -.008	.004 -.012	.012 -.035	.016 -.047	.020 -.059	165 (100-330)	-	260 (100-490)	-	-	-	-	165 (100-330)	-	-	-
N3	PMX5...6..8-EB45	.004 -.008	.004 -.012	.012 -.035	.016 -.047	.020 -.059	165 (100-330)	-	260 (100-490)	-	-	-	-	165 (100-330)	-	-	-
N11	PMX5...6..8-EB45	.004 -.008	.004 -.012	.012 -.035	.016 -.047	.020 -.059	165 (100-330)	-	260 (100-490)	-	-	-	-	165 (100-330)	-	-	-
S1	PMX5...6..8-EB45	.003 -.006	.004 -.006	.008 -.024	.012 -.031	.016 -.039	-	65 (35-80)	65 (35-80)	-	-	-	-	-	-	-	80 (40-100)
S2	PMX5...6..8-EB45	.003 -.006	.004 -.006	.008 -.024	.012 -.031	.016 -.039	-	65 (35-80)	65 (35-80)	-	-	-	-	-	-	-	80 (40-100)
S3	PMX5...6..8-EB45	.003 -.006	.004 -.006	.008 -.024	.012 -.031	.016 -.039	-	65 (35-80)	65 (35-80)	-	-	-	-	-	-	-	80 (40-100)
S11	PMX5...6..8-EB45	.003 -.006	.004 -.006	.008 -.024	.012 -.031	.016 -.039	65 (50-100)	100 (50-130)	130 (65-165)	-	-	-	-	-	-	-	165 (80-215)
S12	PMX5...6..8-EB45	.003 -.006	.004 -.006	.008 -.024	.012 -.031	.016 -.039	65 (50-100)	100 (50-130)	130 (65-165)	-	-	-	-	-	-	-	165 (80-215)
S13	PMX5...6..8-EB45	.003 -.006	.004 -.006	.008 -.024	.012 -.031	.016 -.039	65 (50-100)	100 (50-130)	130 (65-165)	-	-	-	-	-	-	-	165 (80-215)

Tablo sonraki sayfada devam ediyor.

Giriş

Delme

Raybalama

Baralama

Ek

Kesme verileri – PM Plus...-EB45 inç

SMG		a _p (°)		f			v _c										
		z=6	z=8 z=10	z=6	z=8	z=10	H15	CP20	RX2000	RK2050	CF	RX1500	RK1550	RN2010	RM2020	RM2090	RS2090
H5	PMX5 ..6 ..8 -EB45	.003 -.006	.004 -.006	.008 -.016	.012 -.024	.016 -.030	-	-	35 (25-50)	-	-	-	-	-	-	-	-
H7	PMX5 ..6 ..8 -EB45	.003 -.006	.004 -.006	.008 -.016	.012 -.024	.016 -.030	-	-	35 (25-50)	-	-	-	-	-	-	-	-
H8	PMX5 ..6 ..8 -EB45	.003 -.006	.004 -.006	.008 -.016	.012 -.024	.016 -.030	-	-	35 (25-50)	-	-	-	-	-	-	-	-
H11	PMX5 ..6 ..8 -EB45	.003 -.006	.004 -.006	.008 -.016	.012 -.024	.016 -.030	-	-	35 (25-50)	-	-	-	-	-	-	-	-
H12	PMX5 ..6 ..8 -EB45	.003 -.006	.004 -.006	.008 -.016	.012 -.024	.016 -.030	-	-	35 (25-50)	-	-	-	-	-	-	-	-
H21	PMX5 ..6 ..8 -EB45	.003 -.006	.004 -.006	.008 -.016	.012 -.024	.016 -.030	-	-	35 (25-50)	-	-	-	-	-	-	-	-
H31	PMX5 ..6 ..8 -EB45	.003 -.006	.004 -.006	.008 -.016	.012 -.024	.016 -.030	-	-	35 (25-50)	-	-	-	-	-	-	-	-
PM1	PMX5 ..6 ..8 -EB45	.004 -.008	.004 -.012	.012 -.035	.016 -.047	.020 -.059	-	165 (100-260)	230 (130-330)	-	-	-	-	-	-	-	-
PM2	PMX5 ..6 ..8 -EB45	.004 -.008	.004 -.012	.012 -.035	.016 -.047	.020 -.059	-	165 (100-260)	230 (130-330)	-	-	-	-	-	-	-	-
PM3	PMX5 ..6 ..8 -EB45	.004 -.008	.004 -.012	.012 -.035	.016 -.047	.020 -.059	-	165 (100-260)	230 (130-330)	-	-	-	-	-	-	-	-
TS1	PMX5 ..6 ..8 -EB45	.004 -.006	.004 -.008	.012 -.035	.016 -.047	.020 -.059	65 (50-80)	-	130 (65-195)	-	-	-	-	-	-	-	-
TS2	PMX5 ..6 ..8 -EB45	.004 -.006	.004 -.008	.012 -.035	.016 -.047	.020 -.059	65 (50-80)	-	130 (65-195)	-	-	-	-	-	-	-	-
TS3	PMX5 ..6 ..8 -EB45	.004 -.006	.004 -.008	.012 -.035	.016 -.047	.020 -.059	65 (50-80)	-	130 (65-195)	-	-	-	-	-	-	-	-
TS4	PMX5 ..6 ..8 -EB45	.004 -.006	.004 -.008	.012 -.035	.016 -.047	.020 -.059	65 (50-80)	-	130 (65-195)	-	-	-	-	-	-	-	-
TP1	PMX5 ..6 ..8 -EB45	.004 -.006	.004 -.008	.012 -.035	.016 -.047	.020 -.059	65 (50-80)	-	130 (65-195)	-	-	-	-	-	-	-	-
TP2	PMX5 ..6 ..8 -EB45	.004 -.006	.004 -.008	.012 -.035	.016 -.047	.020 -.059	65 (50-80)	-	130 (65-195)	-	-	-	-	-	-	-	-
TP3	PMX5 ..6 ..8 -EB45	.004 -.006	.004 -.008	.012 -.035	.016 -.047	.020 -.059	65 (50-80)	-	130 (65-195)	-	-	-	-	-	-	-	-
TP4	PMX5 ..6 ..8 -EB45	.004 -.006	.004 -.008	.012 -.035	.016 -.047	.020 -.059	65 (50-80)	-	130 (65-195)	-	-	-	-	-	-	-	-
GR1	PMX5 ..6 ..8 -EB45	.004 -.012	.004 -.016	.012 -.035	.016 -.047	.020 -.059	130 (260-65)	-	195 (100-395)	-	-	-	-	-	-	-	-

SMG = Seco malzeme grubu
a_p = inç
f = in/dev
v_c = sf/dak
Tüm kesme verileri başlangıç değerleridir

Giriş

Delme

Raybalama

Baralama

Ek

Kesme verileri – PM Plus...-EB845 Metrik

SMG		a_p (°)		f			v_c									
		z=6	z=8 z=10	z=6	z=8	z=10	H15	CP20	RX2000	RK2050	CF	RX1500	RK1550	RM2020	RM2090	RS2090
P3	PMX5 ..6 ..8 -EB845	0,10 -0,20	0,10 -0,30	0,30 -0,90	0,40 -1,20	0,50 -1,50	25 (15-30)	60 (30-100)	80 (30-150)	-	180 (90-200)	220 (120-300)	-	-	-	-
P4	PMX5 ..6 ..8 -EB845	0,10 -0,20	0,10 -0,30	0,20 -0,70	0,30 -1,00	0,40 -1,20	20 (10-25)	50 (30-80)	60 (30-120)	-	120 (80-150)	180 (90-200)	-	-	-	-
P5	PMX5 ..6 ..8 -EB845	0,10 -0,20	0,10 -0,30	0,20 -0,70	0,30 -1,00	0,40 -1,20	20 (10-25)	50 (30-80)	60 (30-120)	-	120 (80-150)	180 (90-200)	-	-	-	-
P6	PMX5 ..6 ..8 -EB845	0,10 -0,20	0,10 -0,30	0,20 -0,70	0,30 -1,00	0,40 -1,20	20 (10-25)	50 (30-80)	60 (30-120)	-	120 (80-150)	180 (90-200)	-	-	-	-
P7	PMX5 ..6 ..8 -EB845	0,10 -0,20	0,10 -0,30	0,20 -0,70	0,30 -1,00	0,40 -1,20	20 (10-25)	50 (30-80)	60 (30-120)	-	120 (80-150)	180 (90-200)	-	-	-	-
P8	PMX5 ..6 ..8 -EB845	0,10 -0,20	0,10 -0,30	0,20 -0,70	0,30 -1,00	0,40 -1,20	15 (10-20)	35 (20-60)	40 (20-80)	-	80 (60-120)	120 (80-180)	-	-	-	-
P11	PMX5 ..6 ..8 -EB845	0,10 -0,20	0,10 -0,30	0,20 -0,70	0,30 -1,00	0,40 -1,20	15 (10-20)	35 (20-60)	40 (20-80)	-	80 (60-120)	120 (80-180)	-	-	-	-
P12	PMX5 ..6 ..8 -EB845	0,10 -0,20	0,10 -0,30	0,20 -0,70	0,30 -1,00	0,40 -1,20	12 (8-15)	25 (15-45)	30 (15-65)	-	65 (45-95)	95 (65-145)	-	-	-	-
M1	PMX5 ..6 ..8 -EB845	0,08 -0,15	0,10 -0,20	0,20 -0,60	0,30 -0,80	0,40 -1,00	12 (9-15)	25 (15-45)	35 (20-70)	-	-	-	-	25 (15-40)	35 (20-70)	-
M2	PMX5 ..6 ..8 -EB845	0,08 -0,15	0,10 -0,20	0,20 -0,60	0,30 -0,80	0,40 -1,00	-	25 (15-45)	35 (20-70)	-	-	-	-	25 (15-40)	35 (20-70)	-
M3	PMX5 ..6 ..8 -EB845	0,08 -0,15	0,10 -0,20	0,20 -0,60	0,30 -0,80	0,40 -1,00	-	25 (15-45)	35 (20-70)	-	-	-	-	25 (15-40)	35 (20-70)	-
M4	PMX5 ..6 ..8 -EB845	0,08 -0,15	0,10 -0,20	0,20 -0,60	0,30 -0,80	0,40 -1,00	-	20 (10-30)	25 (15-50)	-	-	-	-	20 (10-30)	25 (15-50)	-
M5	PMX5 ..6 ..8 -EB845	0,08 -0,15	0,10 -0,20	0,20 -0,60	0,30 -0,80	0,40 -1,00	-	20 (10-30)	25 (15-50)	-	-	-	-	20 (10-30)	25 (15-50)	-
K1	PMX5 ..6 ..8 -EB845	0,10 -0,20	0,10 -0,25	0,30 -0,90	0,40 -1,20	0,50 -1,50	25 (15-30)	60 (40-100)	80 (30-150)	90 (35-170)	-	220 (120-300)	245 (135-335)	-	-	-
K2	PMX5 ..6 ..8 -EB845	0,10 -0,20	0,10 -0,25	0,30 -0,90	0,40 -1,20	0,50 -1,50	-	25 (20-40)	40 (30-70)	45 (35-80)	-	80 (50-100)	90 (55-110)	-	-	-
K3	PMX5 ..6 ..8 -EB845	0,10 -0,20	0,10 -0,25	0,30 -0,90	0,40 -1,20	0,50 -1,50	25 (15-30)	60 (40-100)	80 (30-150)	90 (35-170)	-	220 (120-300)	245 (135-335)	-	-	-
K4	PMX5 ..6 ..8 -EB845	0,10 -0,20	0,10 -0,25	0,30 -0,90	0,40 -1,20	0,50 -1,50	25 (15-30)	45 (30-70)	70 (40-120)	80 (45-135)	100 (70-150)	150 (80-200)	170 (90-225)	-	-	-
K5	PMX5 ..6 ..8 -EB845	0,10 -0,20	0,10 -0,25	0,30 -0,90	0,40 -1,20	0,50 -1,50	25 (15-30)	45 (30-70)	70 (40-120)	80 (45-135)	100 (70-150)	150 (80-200)	170 (90-225)	-	-	-
K6	PMX5 ..6 ..8 -EB845	0,10 -0,20	0,10 -0,25	0,30 -0,90	0,40 -1,20	0,50 -1,50	-	60 (40-100)	80 (30-150)	90 (35-170)	-	220 (120-300)	245 (135-335)	-	-	-
K7	PMX5 ..6 ..8 -EB845	0,10 -0,20	0,10 -0,25	0,30 -0,90	0,40 -1,20	0,50 -1,50	-	60 (40-100)	80 (30-150)	90 (35-170)	-	220 (120-300)	245 (135-335)	-	-	-
S1	PMX5 ..6 ..8 -EB845	0,08 -0,15	0,10 -0,15	0,20 -0,60	0,30 -0,80	0,40 -1,00	-	20 (10-25)	20 (10-25)	-	-	-	-	-	-	25 (12-30)
S2	PMX5 ..6 ..8 -EB845	0,08 -0,15	0,10 -0,15	0,20 -0,60	0,30 -0,80	0,40 -1,00	-	20 (10-25)	20 (10-25)	-	-	-	-	-	-	25 (12-30)
S3	PMX5 ..6 ..8 -EB845	0,08 -0,15	0,10 -0,15	0,20 -0,60	0,30 -0,80	0,40 -1,00	-	20 (10-25)	20 (10-25)	-	-	-	-	-	-	25 (12-30)
S11	PMX5 ..6 ..8 -EB845	0,08 -0,15	0,10 -0,15	0,20 -0,60	0,30 -0,80	0,40 -1,00	20 (15-30)	30 (15-40)	40 (20-50)	-	-	-	-	-	-	50 (25-65)
S12	PMX5 ..6 ..8 -EB845	0,08 -0,15	0,10 -0,15	0,20 -0,60	0,30 -0,80	0,40 -1,00	20 (15-30)	30 (15-40)	40 (20-50)	-	-	-	-	-	-	50 (25-65)
S13	PMX5 ..6 ..8 -EB845	0,08 -0,15	0,10 -0,15	0,20 -0,60	0,30 -0,80	0,40 -1,00	20 (15-30)	30 (15-40)	40 (20-50)	-	-	-	-	-	-	50 (25-65)
H3	PMX5 ..6 ..8 -EB845	0,08 -0,15	0,10 -0,15	0,20 -0,40	0,30 -0,60	0,40 -0,75	-	-	10 (8-15)	-	-	-	-	-	-	-
H5	PMX5 ..6 ..8 -EB845	0,08 -0,15	0,10 -0,15	0,20 -0,40	0,30 -0,60	0,40 -0,75	-	-	10 (8-15)	-	-	-	-	-	-	-
H7	PMX5 ..6 ..8 -EB845	0,08 -0,15	0,10 -0,15	0,20 -0,40	0,30 -0,60	0,40 -0,75	-	-	10 (8-15)	-	-	-	-	-	-	-
H8	PMX5 ..6 ..8 -EB845	0,08 -0,15	0,10 -0,15	0,20 -0,40	0,30 -0,60	0,40 -0,75	-	-	10 (8-15)	-	-	-	-	-	-	-
H11	PMX5 ..6 ..8 -EB845	0,08 -0,15	0,10 -0,15	0,20 -0,40	0,30 -0,60	0,40 -0,75	-	-	10 (8-15)	-	-	-	-	-	-	-
H12	PMX5 ..6 ..8 -EB845	0,08 -0,15	0,10 -0,15	0,20 -0,40	0,30 -0,60	0,40 -0,75	-	-	10 (8-15)	-	-	-	-	-	-	-
H21	PMX5 ..6 ..8 -EB845	0,08 -0,15	0,10 -0,15	0,20 -0,40	0,30 -0,60	0,40 -0,75	-	-	10 (8-15)	-	-	-	-	-	-	-
H31	PMX5 ..6 ..8 -EB845	0,08 -0,15	0,10 -0,15	0,20 -0,40	0,30 -0,60	0,40 -0,75	-	-	10 (8-15)	-	-	-	-	-	-	-
PM1	PMX5 ..6 ..8 -EB845	0,10 0,20	0,10 -0,30	0,30 -0,90	0,40 -1,20	0,50 -1,50	-	50 (30-80)	70 (40-100)	-	-	-	-	-	-	-
PM2	PMX5 ..6 ..8 -EB845	0,10 0,20	0,10 -0,30	0,30 -0,90	0,40 -1,20	0,50 -1,50	-	50 (30-80)	70 (40-100)	-	-	-	-	-	-	-
PM3	PMX5 ..6 ..8 -EB845	0,10 0,20	0,10 -0,30	0,30 -0,90	0,40 -1,20	0,50 -1,50	-	50 (30-80)	70 (40-100)	-	-	-	-	-	-	-

SMG = Seco malzeme grubu
 a_p = mm
f = mm/dev
 v_c = m/dak
Tüm kesme verileri başlangıç değerleridir

Kesme verileri – PM Plus...-EB45 iç

SMG		a _p (°)		f			v _c									
		z=6	z=8 z=10	z=6	z=8	z=10	H15	CP20	RX2000	RK2050	CF	RX1500	RK1550	RM2020	RM2090	RS2090
P3	PMX5 ..6 ..8 -EB45	.004 -.008	.004 -.012	.012 -.035	.016 -.047	.020 -.059	80 (50-100)	195 (100-330)	260 (100-490)	-	590 (295-655)	720 (395-985)	-	-	-	-
P4	PMX5 ..6 ..8 -EB45	.004 -.008	.004 -.012	.008 -.028	.012 -.039	.016 -.047	65 (35-80)	165 (100-260)	195 (100-395)	-	395 (260-490)	590 (295-655)	-	-	-	-
P5	PMX5 ..6 ..8 -EB45	.004 -.008	.004 -.012	.008 -.028	.012 -.039	.016 -.047	65 (35-80)	165 (100-260)	195 (100-395)	-	395 (260-490)	590 (295-655)	-	-	-	-
P6	PMX5 ..6 ..8 -EB45	.004 -.008	.004 -.012	.008 -.028	.012 -.039	.016 -.047	65 (35-80)	165 (100-260)	195 (100-395)	-	395 (260-490)	590 (295-655)	-	-	-	-
P7	PMX5 ..6 ..8 -EB45	.004 -.008	.004 -.012	.008 -.028	.012 -.039	.016 -.047	65 (35-80)	165 (100-260)	195 (100-395)	-	395 (260-490)	590 (295-655)	-	-	-	-
P8	PMX5 ..6 ..8 -EB45	.004 -.008	.004 -.012	.008 -.028	.012 -.039	.016 -.047	50 (35-65)	115 (65-195)	130 (65-260)	-	260 (195-395)	395 (260-590)	-	-	-	-
P11	PMX5 ..6 ..8 -EB45	.004 -.008	.004 -.012	.008 -.028	.012 -.039	.016 -.047	50 (35-65)	115 (65-195)	130 (65-260)	-	260 (195-395)	395 (260-590)	-	-	-	-
P12	PMX5 ..6 ..8 -EB45	.004 -.008	.004 -.012	.008 -.028	.012 -.039	.016 -.047	40 (25-50)	80 (50-130)	100 (50-215)	-	215 (150-315)	315 (215-480)	-	-	-	-
M1	PMX5 ..6 ..8 -EB45	.003 -.006	.004 -.008	.008 -.024	.012 -.031	.016 -.039	40 (30-50)	80 (50-130)	115 (65-230)	-	-	-	-	80 (50-130)	115 (65-230)	-
M2	PMX5 ..6 ..8 -EB45	.003 -.006	.004 -.008	.008 -.024	.012 -.031	.016 -.039	-	80 (50-130)	115 (65-230)	-	-	-	-	80 (50-130)	115 (65-230)	-
M3	PMX5 ..6 ..8 -EB45	.003 -.006	.004 -.008	.008 -.024	.012 -.031	.016 -.039	-	80 (50-130)	115 (65-230)	-	-	-	-	80 (50-130)	115 (65-230)	-
M4	PMX5 ..6 ..8 -EB45	.003 -.006	.004 -.008	.008 -.024	.012 -.031	.016 -.039	-	65 (35-100)	80 (50-165)	-	-	-	-	65 (35-100)	80 (50-165)	-
M5	PMX5 ..6 ..8 -EB45	.003 -.006	.004 -.008	.008 -.024	.012 -.031	.016 -.039	-	65 (35-100)	80 (50-165)	-	-	-	-	65 (35-100)	80 (50-165)	-
K1	PMX5 ..6 ..8 -EB45	.004 -.008	.004 -.010	.012 -.035	.016 -.047	.020 -.059	80 (50-100)	195 (130-330)	260 (100-490)	290 (110-550)	-	720 (395-985)	805 (440-1105)	-	-	-
K2	PMX5 ..6 ..8 -EB45	.004 -.008	.004 -.010	.012 -.035	.016 -.047	.020 -.059	-	80 (65-130)	130 (100-230)	145 (110-260)	-	260 (165-330)	290 (185-370)	-	-	-
K3	PMX5 ..6 ..8 -EB45	.004 -.008	.004 -.010	.012 -.035	.016 -.047	.020 -.059	80 (50-100)	195 (130-330)	260 (100-490)	290 (110-550)	-	720 (395-985)	805 (440-1105)	-	-	-
K4	PMX5 ..6 ..8 -EB45	.004 -.008	.004 -.010	.012 -.035	.016 -.047	.020 -.059	80 (50-100)	150 (100-230)	230 (130-395)	260 (145-440)	330 (230-490)	490 (260-655)	550 (290-735)	-	-	-
K5	PMX5 ..6 ..8 -EB45	.004 -.008	.004 -.010	.012 -.035	.016 -.047	.020 -.059	80 (50-100)	150 (100-230)	230 (130-395)	260 (145-440)	330 (230-490)	490 (260-655)	550 (290-735)	-	-	-
K6	PMX5 ..6 ..8 -EB45	.004 -.008	.004 -.010	.012 -.035	.016 -.047	.020 -.059	-	195 (130-330)	260 (100-490)	290 (110-550)	-	720 (395-985)	805 (440-1105)	-	-	-
K7	PMX5 ..6 ..8 -EB45	.004 -.008	.004 -.010	.012 -.035	.016 -.047	.020 -.059	-	195 (130-330)	260 (100-490)	290 (110-550)	-	720 (395-985)	805 (440-1105)	-	-	-
S1	PMX5 ..6 ..8 -EB45	.003 -.006	.004 -.006	.008 -.024	.012 -.031	.016 -.039	-	65 (35-80)	65 (35-80)	-	-	-	-	-	-	80 (40-100)
S2	PMX5 ..6 ..8 -EB45	.003 -.006	.004 -.006	.008 -.024	.012 -.031	.016 -.039	-	65 (35-80)	65 (35-80)	-	-	-	-	-	-	80 (40-100)
S3	PMX5 ..6 ..8 -EB45	.003 -.006	.004 -.006	.008 -.024	.012 -.031	.016 -.039	-	65 (35-80)	65 (35-80)	-	-	-	-	-	-	80 (40-100)
S11	PMX5 ..6 ..8 -EB45	.003 -.006	.004 -.006	.008 -.024	.012 -.031	.016 -.039	65 (50-100)	100 (50-130)	130 (65-165)	-	-	-	-	-	-	165 (80-215)
S12	PMX5 ..6 ..8 -EB45	.003 -.006	.004 -.006	.008 -.024	.012 -.031	.016 -.039	65 (50-100)	100 (50-130)	130 (65-165)	-	-	-	-	-	-	165 (80-215)
S13	PMX5 ..6 ..8 -EB45	.003 -.006	.004 -.006	.008 -.024	.012 -.031	.016 -.039	65 (50-100)	100 (50-130)	130 (65-165)	-	-	-	-	-	-	165 (80-215)
H3	PMX5 ..6 ..8 -EB45	.003 -.006	.004 -.006	.008 -.016	.012 -.024	.016 -.030	-	-	35 (25-50)	-	-	-	-	-	-	-
H5	PMX5 ..6 ..8 -EB45	.003 -.006	.004 -.006	.008 -.016	.012 -.024	.016 -.030	-	-	35 (25-50)	-	-	-	-	-	-	-
H7	PMX5 ..6 ..8 -EB45	.003 -.006	.004 -.006	.008 -.016	.012 -.024	.016 -.030	-	-	35 (25-50)	-	-	-	-	-	-	-
H8	PMX5 ..6 ..8 -EB45	.003 -.006	.004 -.006	.008 -.016	.012 -.024	.016 -.030	-	-	35 (25-50)	-	-	-	-	-	-	-
H11	PMX5 ..6 ..8 -EB45	.003 -.006	.004 -.006	.008 -.016	.012 -.024	.016 -.030	-	-	35 (25-50)	-	-	-	-	-	-	-
H12	PMX5 ..6 ..8 -EB45	.003 -.006	.004 -.006	.008 -.016	.012 -.024	.016 -.030	-	-	35 (25-50)	-	-	-	-	-	-	-
H21	PMX5 ..6 ..8 -EB45	.003 -.006	.004 -.006	.008 -.016	.012 -.024	.016 -.030	-	-	35 (25-50)	-	-	-	-	-	-	-
H31	PMX5 ..6 ..8 -EB45	.003 -.006	.004 -.006	.008 -.016	.012 -.024	.016 -.030	-	-	35 (25-50)	-	-	-	-	-	-	-
PM1	PMX5 ..6 ..8 -EB45	.004 -.008	.004 -.012	.012 -.035	.016 -.047	.020 -.059	-	165 (100-260)	230 (130-330)	-	-	-	-	-	-	-
PM2	PMX5 ..6 ..8 -EB45	.004 -.008	.004 -.012	.012 -.035	.016 -.047	.020 -.059	-	165 (100-260)	230 (130-330)	-	-	-	-	-	-	-
PM3	PMX5 ..6 ..8 -EB45	.004 -.008	.004 -.012	.012 -.035	.016 -.047	.020 -.059	-	165 (100-260)	230 (130-330)	-	-	-	-	-	-	-

SMG = Seco malzeme grubu

a_p = iç

f = in/dev

v_c = sf/dak

Tüm kesme verileri başlangıç değerleridir

Kesme verileri – Plus... -EB25/EB30 Metrik

SMG		a_p (°)		f			v_c						
		z=6	z=8 z=10	z=6	z=8	z=10	H15	CP20	RX2000	RK2050	CF	RX1500	RK1550
P1	PMX5 ..6 ..8 -EB25/EB30	0,10-0,20	0,10-0,30	0,80-1,80	1,00-2,40	1,20-3,00	25 (15-30)	60 (30-100)	80 (30-150)	-	180 (90-200)	220 (120-300)	-
P2	PMX5 ..6 ..8 -EB25/EB30	0,10-0,20	0,10-0,30	0,80-1,80	1,00-2,40	1,20-3,00	25 (15-30)	60 (30-100)	80 (30-150)	-	180 (90-200)	220 (120-300)	-
P3	PMX5 ..6 ..8 -EB25/EB30	0,10-0,20	0,10-0,30	0,80-1,80	1,00-2,40	1,20-3,00	25 (15-30)	60 (30-100)	80 (30-150)	-	180 (90-200)	220 (120-300)	-
P4	PMX5 ..6 ..8 -EB25/EB30	0,10-0,20	0,10-0,30	0,80-1,80	1,00-2,40	1,20-3,00	20 (10-25)	50 (30-80)	60 (30-120)	-	120 (80-150)	180 (90-200)	-
P5	PMX5 ..6 ..8 -EB25/EB30	0,10-0,20	0,10-0,30	0,80-1,80	1,00-2,40	1,20-3,00	20 (10-25)	50 (30-80)	60 (30-120)	-	120 (80-150)	180 (90-200)	-
P6	PMX5 ..6 ..8 -EB25/EB30	0,10-0,20	0,10-0,30	0,80-1,80	1,00-2,40	1,20-3,00	20 (10-25)	50 (30-80)	60 (30-120)	-	120 (80-150)	180 (90-200)	-
P7	PMX5 ..6 ..8 -EB25/EB30	0,10-0,20	0,10-0,30	0,80-1,80	1,00-2,40	1,20-3,00	20 (10-25)	50 (30-80)	60 (30-120)	-	120 (80-150)	180 (90-200)	-
M1	PMX5 ..6 ..8 -EB25/EB30	0,08-0,15	0,10-0,20	0,80-1,20	1,00-2,00	1,20-2,50	-	25 (15-40)	35 (20-70)	-	-	-	-
K1	PMX5 ..6 ..8 -EB25/EB30	0,10-0,20	0,10-0,25	0,80-2,20	1,00-2,80	1,20-3,50	25 (15-30)	60 (40-100)	80 (30-150)	90 (35-170)	-	220 (120-300)	245 (135-335)
K2	PMX5 ..6 ..8 -EB25/EB30	0,10-0,20	0,10-0,25	0,80-1,80	1,00-2,40	1,20-3,00	-	25 (20-40)	40 (30-70)	45 (35-80)	-	80 (50-100)	90 (55-110)
K3	PMX5 ..6 ..8 -EB25/EB30	0,10-0,20	0,10-0,25	0,80-2,20	1,00-2,80	1,20-3,50	25 (15-30)	60 (40-100)	80 (30-150)	90 (35-170)	-	220 (120-300)	245 (135-335)
K4	PMX5 ..6 ..8 -EB25/EB30	0,10-0,20	0,10-0,25	0,80-2,20	1,00-2,80	1,20-3,50	25 (15-30)	45 (30-70)	70 (40-120)	80 (45-135)	100 (70-150)	150 (80-200)	170 (90-225)
K5	PMX5 ..6 ..8 -EB25/EB30	0,10-0,20	0,10-0,25	0,80-2,20	1,00-2,80	1,20-3,50	25 (15-30)	45 (30-70)	70 (40-120)	80 (45-135)	100 (70-150)	150 (80-200)	170 (90-225)
K6	PMX5 ..6 ..8 -EB25/EB30	0,10-0,20	0,10-0,25	0,80-1,80	1,00-2,40	1,20-3,00	-	60 (40-100)	80 (30-150)	90 (35-170)	-	220 (120-300)	245 (135-335)
K7	PMX5 ..6 ..8 -EB25/EB30	0,10-0,20	0,10-0,25	0,80-1,80	1,00-2,40	1,20-3,00	-	60 (40-100)	80 (30-150)	90 (35-170)	-	220 (120-300)	245 (135-335)
N1	PMX5 ..6 ..8 -EB25/EB30	0,10-0,20	0,10-0,30	0,80-2,20	1,00-2,80	1,20-3,50	50 (30-100)	-	-	-	-	-	-
N2	PMX5 ..6 ..8 -EB25/EB30	0,10-0,20	0,10-0,30	0,80-2,20	1,00-2,80	1,20-3,50	50 (30-100)	-	-	-	-	-	-
N3	PMX5 ..6 ..8 -EB25/EB30	0,10-0,20	0,10-0,30	0,80-2,20	1,00-2,80	1,20-3,50	50 (30-100)	-	-	-	-	-	-
N11	PMX5 ..6 ..8 -EB25/EB30	0,10-0,20	0,10-0,30	0,80-2,20	1,00-2,80	1,20-3,50	50 (30-100)	-	-	-	-	-	-
PM1	PMX5 ..6 ..8 -EB25/EB30	0,10-0,20	0,10-0,30	0,50-1,80	0,80-2,00	1,00-2,50	-	50 (30-80)	70 (40-100)	-	-	-	-
PM2	PMX5 ..6 ..8 -EB25/EB30	0,10-0,20	0,10-0,30	0,50-1,80	0,80-2,00	1,00-2,50	-	50 (30-80)	70 (40-100)	-	-	-	-
PM3	PMX5 ..6 ..8 -EB25/EB30	0,10-0,20	0,10-0,30	0,50-1,80	0,80-2,00	1,00-2,50	-	50 (30-80)	70 (40-100)	-	-	-	-

SMG = Seco malzeme grubu

a_p = mm

f = mm/dev

v_c = m/dak

Tüm kesme verileri başlangıç değerleridir

Kesme verileri – PM Plus... -EB25/EB30 inç

SMG		a_p (°)		f			v_c						
		z=6	z=8 z=10	z=6	z=8	z=10	H15	CP20	RX2000	RK2050	CF	RX1500	RK1550
P1	PMX5..6..8-EB25/EB30	.004-.008	.004-.012	.031-.071	.039-.094	.047-.118	80 (50-100)	195 (100-330)	260 (100-490)	-	590 (295-655)	720 (395-985)	-
P2	PMX5..6..8-EB25/EB30	.004-.008	.004-.012	.031-.071	.039-.094	.047-.118	80 (50-100)	195 (100-330)	260 (100-490)	-	590 (295-655)	720 (395-985)	-
P3	PMX5..6..8-EB25/EB30	.004-.008	.004-.012	.031-.071	.039-.094	.047-.118	80 (50-100)	195 (100-330)	260 (100-490)	-	590 (295-655)	720 (395-985)	-
P4	PMX5..6..8-EB25/EB30	.004-.008	.004-.012	.031-.071	.039-.094	.047-.118	65 (35-80)	165 (100-260)	195 (100-395)	-	395 (260-490)	590 (295-655)	-
P5	PMX5..6..8-EB25/EB30	.004-.008	.004-.012	.031-.071	.039-.094	.047-.118	65 (35-80)	165 (100-260)	195 (100-395)	-	395 (260-490)	590 (295-655)	-
P6	PMX5..6..8-EB25/EB30	.004-.008	.004-.012	.031-.071	.039-.094	.047-.118	65 (35-80)	165 (100-260)	195 (100-395)	-	395 (260-490)	590 (295-655)	-
P7	PMX5..6..8-EB25/EB30	.004-.008	.004-.012	.031-.071	.039-.094	.047-.118	65 (35-80)	165 (100-260)	195 (100-395)	-	395 (260-490)	590 (295-655)	-
M1	PMX5..6..8-EB25/EB30	.003-.006	.004-.008	.031-.047	.039-.079	.039-.098	-	80 (50-130)	115 (65-230)	-	-	-	-
K1	PMX5..6..8-EB25/EB30	.004-.008	.004-.010	.031-.087	.039-.110	.047-.138	80 (50-100)	195 (130-330)	260 (100-490)	290 (110-550)	-	720 (395-985)	805 (440-1105)
K2	PMX5..6..8-EB25/EB30	.004-.008	.004-.010	.031-.071	.039-.094	.047-.118	-	80 (65-130)	130 (100-230)	145 (110-260)	-	260 (165-330)	290 (185-370)
K3	PMX5..6..8-EB25/EB30	.004-.008	.004-.010	.031-.087	.039-.110	.047-.138	80 (50-100)	195 (130-330)	260 (100-490)	290 (110-550)	-	720 (395-985)	805 (440-1105)
K4	PMX5..6..8-EB25/EB30	.004-.008	.004-.010	.031-.087	.039-.110	.047-.138	80 (50-100)	150 (100-230)	230 (130-395)	260 (145-440)	330 (230-490)	490 (260-655)	550 (290-735)
K5	PMX5..6..8-EB25/EB30	.004-.008	.004-.010	.031-.087	.039-.110	.047-.138	80 (50-100)	150 (100-230)	230 (130-395)	260 (145-440)	330 (230-490)	490 (260-655)	550 (290-735)
K6	PMX5..6..8-EB25/EB30	.004-.008	.004-.010	.031-.071	.039-.094	.047-.118	-	195 (130-330)	260 (100-490)	290 (110-550)	-	720 (395-985)	805 (440-1105)
K7	PMX5..6..8-EB25/EB30	.004-.008	.004-.010	.031-.071	.039-.094	.047-.118	-	195 (130-330)	260 (100-490)	290 (110-550)	-	720 (395-985)	805 (440-1105)
N1	PMX5..6..8-EB25/EB30	.004-.008	.004-.012	.031-.087	.039-.110	.047-.138	165 (100-330)	-	-	-	-	-	-
N2	PMX5..6..8-EB25/EB30	.004-.008	.004-.012	.031-.087	.039-.110	.047-.138	165 (100-330)	-	-	-	-	-	-
N3	PMX5..6..8-EB25/EB30	.004-.008	.004-.012	.031-.087	.039-.110	.047-.138	165 (100-330)	-	-	-	-	-	-
N11	PMX5..6..8-EB25/EB30	.004-.008	.004-.012	.031-.087	.039-.110	.047-.138	165 (100-330)	-	-	-	-	-	-
PM1	PMX5..6..8-EB25/EB30	.004-.008	.004-.012	.020-.071	.031-.079	.039-.098	-	165 (100-260)	230 (130-330)	-	-	-	-
PM2	PMX5..6..8-EB25/EB30	.004-.008	.004-.012	.020-.071	.031-.079	.039-.098	-	165 (100-260)	230 (130-330)	-	-	-	-
PM3	PMX5..6..8-EB25/EB30	.004-.008	.004-.012	.020-.071	.031-.079	.039-.098	-	165 (100-260)	230 (130-330)	-	-	-	-

SMG = Seco malzeme grubu

 $a_p = \text{inç}$ $f = \text{in/dev}$ $v_c = \text{sf/dak}$

Tüm kesme verileri başlangıç değerleridir




Nanofix™

Nanofix™ Solid Karbür Raybalar 2,97 ile 12,05 mm (0,117 inç - 0,474 inç) arasındaki küçük çaplar için tasarlanmıştır.

- Uygulamaya bağlı olarak sıvı akışının açık veya kapalı delik için kolayca ayarlanabilmesini sağlayan basit ayarlanabilir bir sisteme sahip içten soğutma sıvısı tasarlanmıştır.
- Toleransların 10 ile 15 µm (0,0004 - 0,0006 inç) arasında tutulmasını sağlar
- Üç kullanılabilir geometri: EB45, EB845 ve EB25

Ürünlere genel bakış

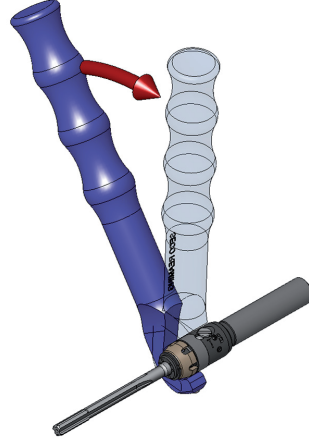
	Ø Aralığı	Raybalama derinliği	Matkap Ø toleransı	Ara çaplar	Yüzey kalitesi
Nanofix™ 	2,97-12,05 mm (0.1169-0.4744")	5-12 x D	IT 7	Evet, Özel Tasarım olarak mevcut	R _a 0,8-1,2 µm (R _a 31-47 µin)

Nanofix™ Ø2,97 ila 12,05 mm (0.1169 to 0.4744") arası küçük çaplar için tasarlanmış Seco'nun yeni solid karbür rayba çeşididir. Patentli eşsiz Quick-Fit sıkma sistemi ile tüm çap aralığındaki raybaları sadece 2 gövde ile bağlayabilirsiniz. Rayba tutucuların içten soğutma sıvısı özelliği vardır. Uygulamaya göre bu basit sistem kapalı ya da açık delik için ayarlanabilir.

Quick-fit

Quick-fit

Hızlı ve kolay takım değişimi.
Boyda ve salgıda doğru pozisyonlama.



2 Quick-fit ebadı tüm çap aralığını kapsar

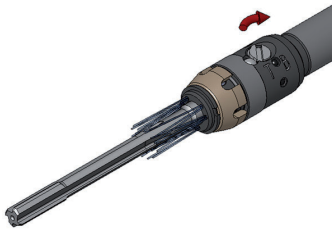


Ø 6,051 - 12,050 mm
(Ø 0,2382 - 0,4744 inç) için Ø 10
mm Quick-fit



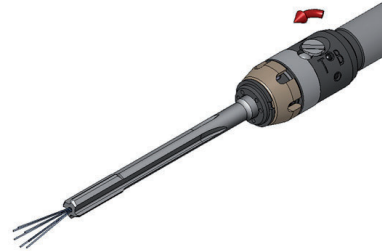
Ø 2,97 - 6,050 mm
(Ø 0,1169 - 0,2382 inç) için
Quick-fit Ø 6 mm

Kapalı veya açık delik raybalama için aynı takım



açık delik

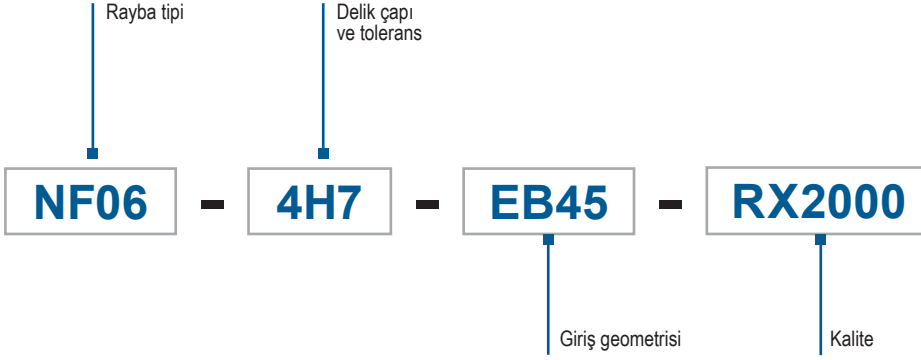
Soğutma sıvısı akışını açık delikten kapalı deliğe değiştirmek için
soğutma sıvısı ayar vidasını çeyrek tur döndürün ve tersi için ayarını
uygulayın.



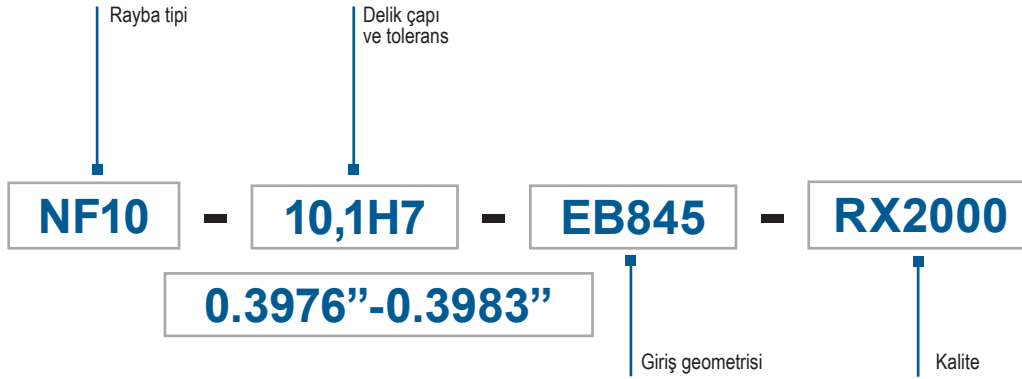
kapalı delik

Kodlama anahtarları

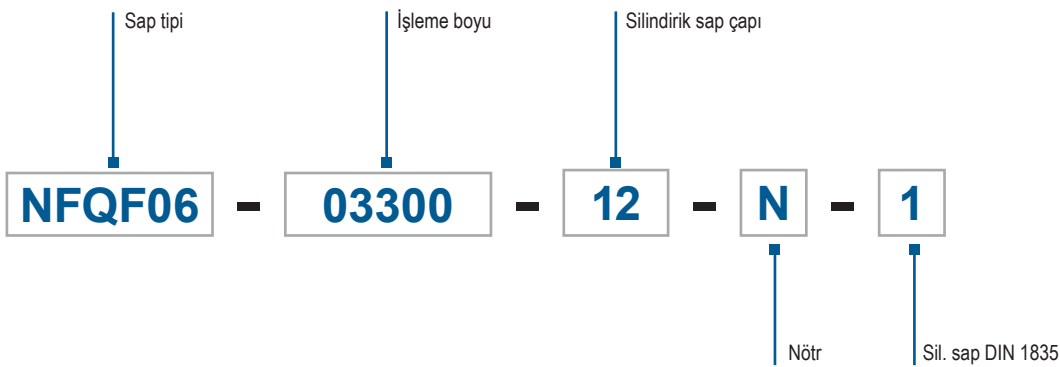
Raybalar



Ara çap raybalar



Saplar

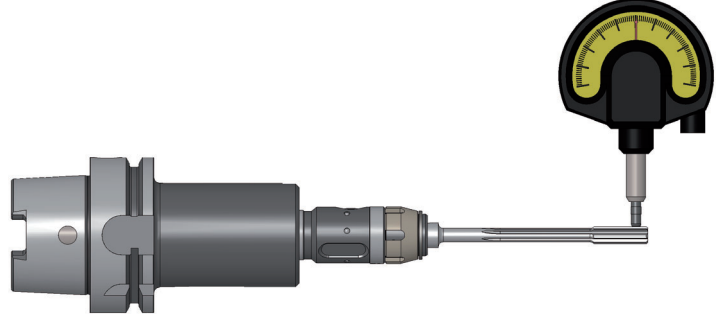


Salgı

Dönen takım

Tavsiye edilen maks. salgı: 5 μ m (197 μ in).
Hassas tutucu tavsiye edilir: Hidrolik tutucular, D-tipi pens tutucular veya 5672 pens tutucular.

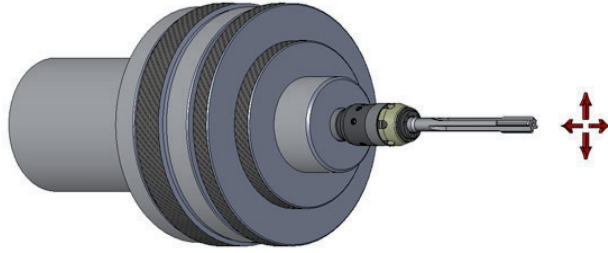
Not: Sızdırmazlık halkası sebebi ile Shrink-fit tutucu kullanılması tavsiye edilmez.



Sabit takım

Bir Seco yüzer tutucu kullanın, bkz. sayfa 480-484.

Yüzer tutucular, raybanın ön delikte kendi kendine merkezlenmesini sağlar.



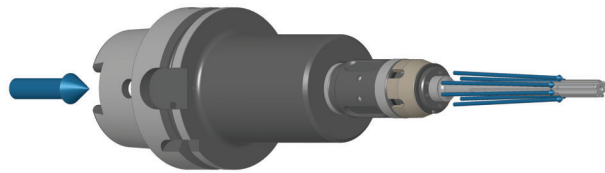
Soğutma sıvısı gereksinimleri

Maksimum takım ömrü ve delik kalitesi için soğutma sıvısı gereksinimlerine uyulmalıdır.

Takımın içinden soğutma tavsiye edilir.
Dıştan soğutma, kesme koşulları %75 azaltılırsa kullanılabilir.

Minimum %40 mineral yağlı kaliteli ve çözülebilir yağ.
Paslanmaz çelik için temiz yağ tavsiye edilir.

Minimum %6-8 konsantrasyon.
Filtreleme 30 - 50 μ m (1181 - 1969 μ in).
Takım çapında min. 0,5 l/dak/mm (0,13 gal/dak/inç) hacim (Ör.: \varnothing 10 rayba, min. hacim 5 l/dak (1,3 gal/dak).

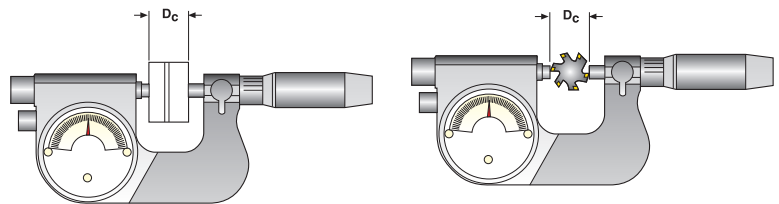


Çap ölçme

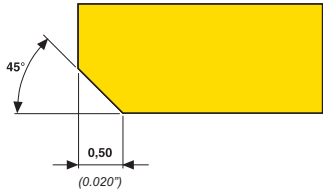
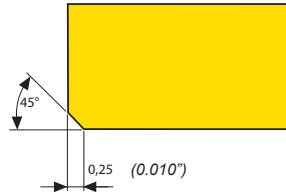
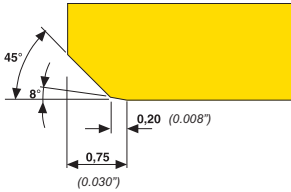
\varnothing ölçmede öncelikle saatli mikrometre kullanın.

Önemli!
Nanofix raybalar değişken ağız aralığına sahiptir.
Çap ölçerken, 2 ağızın 180° terste olmasına dikkat edin.

Ayarlama için saatli mikrometre ve ölçüm bloğu kullanın.



Geometri seçimi - Uygulamalar

Giriş geometrisi - EB45	
<p>Talaş kontrolü ++ Yüzey kalitesi+++ R_a 0,8 - 1,2 μm (Yüzey kalitesi+++ R_a 31 - 47 μin) Çok yönlü</p>	 <p>The diagram shows a yellow rectangular part with a chamfered corner. The chamfer is defined by a 45-degree angle. The chamfer width is 0,50 mm, which is equivalent to 0,020 inches.</p>
Giriş geometrisi – EBS45	
<p>Talaş kontrolü +++ Yüzey Kalitesi + R_a 0,8 - 1,2 (Yüzey Kalitesi + R_a 31 - 47 μin) Kısa EB45</p>	 <p>The diagram shows a yellow rectangular part with a chamfered corner. The chamfer is defined by a 45-degree angle. The chamfer width is 0,25 mm, which is equivalent to 0,010 inches.</p>
Giriş geometrisi – EB845	
<p>Talaş kontrolü ++ Yüzey kalitesi+++ R_a 0,2 - 0,8 μm (Yüzey kalitesi+++ R_a 8 - 31 μin)</p>	 <p>The diagram shows a yellow rectangular part with a chamfered corner. The chamfer is defined by a 45-degree angle. The chamfer width is 0,75 mm, which is equivalent to 0,030 inches. The chamfer is further defined by a secondary angle of 8 degrees and a chamfer width of 0,20 mm, which is equivalent to 0,008 inches.</p>

Giriş

Delme

Raybalama

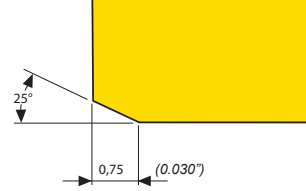
Baralama

Ek

Geometri seçimi - Uygulamalar

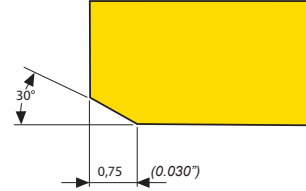
Giriş geometrisi – EB25

İlerleme performansı +++
Yüzey kalitesi ++ R_a 0,4 - 0,8 μm
(Yüzey Kalitesi ++ R_a 16 - 31 μin)
Talaş kontrolü +



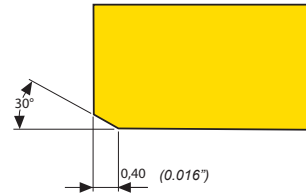
Giriş geometrisi – EB30

İlerleme performansı +++
Yüzey Kalitesi ++ R_a 0,4 - 0,8 μm
(Yüzey Kalitesi ++ R_a 16 - 31 μin)
Talaş kontrolü +

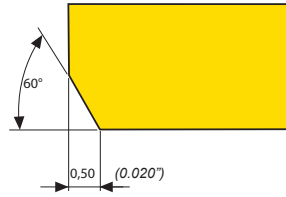
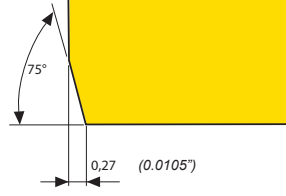


Giriş geometrisi – EBS30

İlerleme performansı +++
Yüzey kalitesi ++ R_a 0,4 - 0,8 μm
(Yüzey Kalitesi ++ R_a 16 - 31 μin)
Talaş kontrolü +
Kısa EB30



Geometri seçimi - Uygulamalar

Giriş geometrisi – EB60	
<p>İlerleme performansı + Yüzey Kalitesi ++ R_a 0,8 - 1,2 μm (Yüzey Kalitesi ++ R_a 31 - 47 μin) Talaş kontrolü ++</p>	 <p>The diagram shows a yellow rectangular tool tip with a 60-degree angle. The width of the tip is labeled as 0,50 (0,020).</p>
Giriş geometrisi – EB75	
<p>İlerleme performansı + Yüzey Kalitesi ++ R_a 0,8 - 1,2 μm (Yüzey Kalitesi ++ R_a 31 - 47 μin) Talaş kontrolü ++</p>	 <p>The diagram shows a yellow rectangular tool tip with a 75-degree angle. The width of the tip is labeled as 0,27 (0,0105).</p>







Giriş

Delme

Raybalama

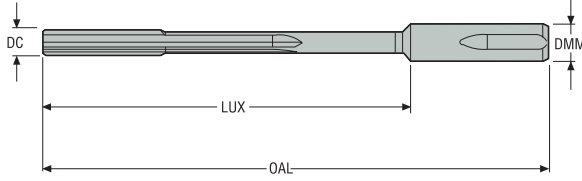
Baralama

Ek

Kaliteler		
	RX2000	Kaplamalı Tüm malzemeler için uygun, modern kaplamalı yüksek performans kalitesi
	CP20	Kaplamalı Alüminyum hariç hemen her malzemeye uygun çok amaçlı bir kalite. TiN
	H15	Kaplamasız Tüm malzemeler için mikro tanecikli tok bir kalitedir. Son derece mükemmel kenar keskinliği sayesinde hassas raybalama işlemleri için uygundur.
	RN2010	Kaplamasız N (demir dışı) sınıfı malzemeler için iyileştirilmiş kaplamasız mikro-tanecikli alt katmana sahip kalite.
	RM2020	Kaplamalı M sınıfı malzemeler için iyileştirilmiş geometrilere sahip, hassas raybalama işlemlerine uygun, kaplamalı tok bir kalitedir.
	RM2090	Kaplamalı M sınıfı malzemeler için özel geometrisi olan, aşınmaya dirençli, kaplamalı bir kalitedir. M sınıfı malzemelerde iyileştirme.
	RK2050	Kaplamalı K malzemeleri için optimize edilmiş geometrilere ince raybalama işlemine uygun, sert kaplamalı kalite.
	RS2090	Kaplamalı S sınıfı malzemeler için özel geometrisi olan, aşınmaya dirençli, kaplamalı bir kalitedir. S sınıfı malzemelerde iyileştirme.

Kapalı ve açık delikler için raybalar

Ø 2,97-12,05 mm / 0.116-0.474"



Ürün Tanımı	Ürün numarası	DC		Hole dia min-max			LUX	DMM	OAL	Geometrilere	Kaliteler			
		mm Inç	mm Inç	mm Inç	mm Inç	mm Inç	mm Inç	mm Inç	EB45		EB845	EB30	RX2000	RK2050
NF06-2.98H7-EB45	02728853	2,98 0.1173	2,98 0.1173	2,99 0.1177	40,0 1.5750	6,0 0.2360	60,0 2.3620	4	■	□	□	■	□	□
NF06-2.99H7-EB45	02728854	2,99 0.1177	2,99 0.1177	3,0 0.1181	40,0 1.5750	6,0 0.2360	60,0 2.3620	4	■	□	□	■	□	□
NF06-3H7-EB45	02728858	3,0 0.1181	3,0 0.1181	3,01 0.1185	40,0 1.5750	6,0 0.2360	60,0 2.3620	4	■	□	□	■	□	□
NF06-3.01H7-EB45	02728860	3,01 0.1185	3,01 0.1185	3,022 0.1190	40,0 1.5750	6,0 0.2360	60,0 2.3620	4	■	□	□	■	□	□
NF06-3.02H7-EB45	02728862	3,02 0.1189	3,02 0.1189	3,032 0.1194	40,0 1.5750	6,0 0.2360	60,0 2.3620	4	■	□	□	■	□	□
NF06-3.03H7-EB45	02728864	3,03 0.1193	3,03 0.1193	3,042 0.1198	40,0 1.5750	6,0 0.2360	60,0 2.3620	4	■	□	□	■	□	□
NF06-3.04H7-EB45	02728865	3,04 0.1197	3,04 0.1197	3,052 0.1202	40,0 1.5750	6,0 0.2360	60,0 2.3620	4	■	□	□	■	□	□
NF06-3.05H7-EB45	02728866	3,05 0.1201	3,05 0.1201	3,062 0.1206	60,0 2.3620	6,0 0.2360	60,0 2.3620	4	■	□	□	■	□	□
NF06-3.167H7-EB45	02761485	3,167 0.1247	3,167 0.1247	3,179 0.1252	60,0 2.3620	6,0 0.2360	80,0 3.1500	4	■	□	□	■	□	□
NF06-3.175H7-EB45	02761489	3,175 0.1250	3,175 0.1250	3,187 0.1255	60,0 2.3620	6,0 0.2360	80,0 3.1500	4	■	□	□	■	□	□
NF06-3.51H7-EB45	02728869	3,51 0.1382	3,51 0.1382	3,522 0.1387	60,0 2.3620	6,0 0.2360	80,0 3.1500	4	■	□	□	■	□	□
NF06-3.5H7-EB45	02728868	3,5 0.1378	3,5 0.1378	3,512 0.1383	60,0 2.3620	6,0 0.2360	80,0 3.1500	4	■	□	□	■	□	□
NF06-3.97H7-EB45	02728871	3,97 0.1563	3,97 0.1563	3,982 0.1568	60,0 2.3620	6,0 0.2360	80,0 3.1500	4	■	□	□	■	□	□
NF06-3.98H7-EB45	02728872	3,98 0.1567	3,98 0.1567	3,992 0.1572	60,0 2.3620	6,0 0.2360	80,0 3.1500	4	■	□	□	■	□	□
NF06-3.99H7-EB45	02728873	3,99 0.1571	3,99 0.1571	4,002 0.1576	60,0 2.3620	6,0 0.2360	80,0 3.1500	4	■	□	□	■	□	□
NF06-4H7-EB45	02728874	4,0 0.1575	4,0 0.1575	4,012 0.1580	60,0 2.3620	6,0 0.2360	80,0 3.1500	4	■	□	□	■	□	□
NF06-4.01H7-EB45	02728875	4,01 0.1579	4,01 0.1579	4,022 0.1583	60,0 2.3620	6,0 0.2360	80,0 3.1500	4	■	□	□	■	□	□
NF06-4.02H7-EB45	02728876	4,02 0.1583	4,02 0.1583	4,032 0.1587	60,0 2.3620	6,0 0.2360	80,0 3.1500	4	■	□	□	■	□	□
NF06-4.04H7-EB45	02728879	4,04 0.1591	4,04 0.1591	4,052 0.1595	60,0 2.3620	6,0 0.2360	80,0 3.1500	4	■	□	□	■	□	□
NF06-4.05H7-EB45	02728880	4,05 0.1594	4,05 0.1594	4,062 0.1599	60,0 2.3620	6,0 0.2360	80,0 3.1500	4	■	□	□	■	□	□
NF06-4.5H7-EB45	02728881	4,5 0.1772	4,5 0.1772	4,512 0.1776	60,0 2.3620	6,0 0.2360	80,0 3.1500	4	■	□	□	■	□	□
NF06-4.750H7-EB45	02761490	4,75 0.1870	4,75 0.1870	4,762 0.1875	60,0 2.3620	6,0 0.2360	80,0 3.1500	4	■	□	□	■	□	□
NF06-4.762H7-EB45	02761494	4,762 0.1875	4,762 0.1875	4,774 0.1880	60,0 2.3620	6,0 0.2360	80,0 3.1500	4	■	□	□	■	□	□

Ürün Tanımı	Ürün numarası	DC	Hole dia min-max			LUX	DMM	OAL		Geometriler			Kaliteler		
			mm İnç	mm İnç	mm İnç					mm İnç	mm İnç	mm İnç	mm İnç	EB45	EB45
NF06-4.97H7-EB45	02728882	4,97 0.1957	4,97 0.1957	4,982 0.1961	60,0 2.3620	6,0 0.2360	80,0 3.1500	4	■	□	□	■	□	□	
NF06-4.98H7-EB45	02728883	4,98 0.1961	4,98 0.1961	4,992 0.1965	60,0 2.3620	6,0 0.2360	80,0 3.1500	4	■	□	□	■	□	□	
NF06-4.99H7-EB45	02728884	4,99 0.1965	4,99 0.1965	5,002 0.1969	60,0 2.3620	6,0 0.2360	80,0 3.1500	4	■	□	□	■	□	□	
NF06-5.01H7-EB45	02728928	5,01 0.1972	5,01 0.1972	5,022 0.1977	60,0 2.3620	6,0 0.2360	80,0 3.1500	4	■	□	□	■	□	□	
NF06-5.02H7-EB45	02728929	5,02 0.1976	5,02 0.1976	5,032 0.1981	60,0 2.3620	6,0 0.2360	80,0 3.1500	4	■	□	□	■	□	□	
NF06-5.03H7-EB45	02728930	5,03 0.1980	5,03 0.1980	5,042 0.1985	60,0 2.3620	6,0 0.2360	80,0 3.1500	4	■	□	□	■	□	□	
NF06-5.05H7-EB45	02728932	5,05 0.1988	5,05 0.1988	5,062 0.1993	60,0 2.3620	6,0 0.2360	80,0 3.1500	4	■	□	□	■	□	□	
NF06-5.5H7-EB45	02728933	5,5 0.2165	5,5 0.2165	5,512 0.2170	60,0 2.3620	6,0 0.2360	80,0 3.1500	4	■	□	□	■	□	□	
NF06-5.97H7-EB45	02728934	5,97 0.2350	5,97 0.2350	5,982 0.2355	60,0 2.3620	6,0 0.2360	80,0 3.1500	4	■	□	□	■	□	□	
NF06-5.98H7-EB45	02728935	5,98 0.2354	5,98 0.2354	5,992 0.2359	60,0 2.3620	6,0 0.2360	80,0 3.1500	4	■	□	□	■	□	□	
NF06-5.99H7-EB45	02728936	5,99 0.2358	5,99 0.2358	6,002 0.2363	60,0 2.3620	6,0 0.2360	80,0 3.1500	4	■	□	□	■	□	□	
NF06-5H7-EB45	02728927	5,0 0.1969	5,0 0.1969	5,012 0.1973	60,0 2.3620	6,0 0.2360	80,0 3.1500	4	■	□	□	■	□	□	
NF06-6H7-EB45	02728937	6,0 0.2362	6,0 0.2362	6,015 0.2368	60,0 2.3620	6,0 0.2360	80,0 3.1500	4	■	□	□	■	□	□	
NF06-6.01H7-EB45	02728938	6,01 0.2366	6,01 0.2366	6,025 0.2372	60,0 2.3620	6,0 0.2360	80,0 3.1500	4	■	□	□	■	□	□	
NF06-6.02H7-EB45	02728939	6,02 0.2370	6,02 0.2370	6,035 0.2376	60,0 2.3620	6,0 0.2360	80,0 3.1500	4	■	□	□	■	□	□	
NF06-6.03H7-EB45	02728940	6,03 0.2374	6,03 0.2374	6,045 0.2380	60,0 2.3620	6,0 0.2360	80,0 3.1500	4	■	□	□	■	□	□	
NF06-6.04H7-EB45	02728941	6,04 0.2378	6,04 0.2378	6,055 0.2384	60,0 2.3620	6,0 0.2360	80,0 3.1500	4	■	□	□	■	□	□	
NF06-6.05H7-EB45	02728942	6,05 0.2382	6,05 0.2382	6,065 0.2388	60,0 2.3620	6,0 0.2360	80,0 3.1500	4	■	□	□	■	□	□	
NF10-6.334H7-EB45	02761987	6,334 0.2494	6,33 0.2492	6,345 0.2498	83,0 3.2680	10,0 0.3940	115,0 4.5280	6	■	□	□	■	□	□	
NF10-6.350H7-EB45	02762016	6,35 0.2500	6,35 0.2500	6,365 0.2506	83,0 3.2680	10,0 0.3940	115,0 4.5280	6	■	□	□	■	□	□	
NF10-6.3754H7-EB45	02762017	6,375 0.2510	6,375 0.2510	6,39 0.2516	83,0 3.2680	10,0 0.3940	115,0 4.5280	6	■	□	□	■	□	□	
NF10-6.5H7-EB45	02728943	6,5 0.2559	6,5 0.2559	6,515 0.2565	83,0 3.2680	10,0 0.3940	115,0 4.5280	6	■	□	□	■	□	□	
NF10-6.98H7-EB45	02728947	6,98 0.2748	6,98 0.2748	6,995 0.2754	83,0 3.2680	10,0 0.3940	115,0 4.5280	6	■	□	□	■	□	□	
NF10-7H7-EB45	02728949	7,0 0.2756	7,0 0.2756	7,015 0.2762	83,0 3.2680	10,0 0.3940	115,0 4.5280	6	■	□	□	■	□	□	
NF10-7.01H7-EB45	02728950	7,01 0.2760	7,01 0.2760	7,025 0.2766	83,0 3.2680	10,0 0.3940	115,0 4.5280	6	■	□	□	■	□	□	
NF10-7.02H7-EB45	02728951	7,02 0.2764	7,02 0.2764	7,035 0.2770	83,0 3.2680	10,0 0.3940	115,0 4.5280	6	■	□	□	■	□	□	
NF10-7.05H7-EB45	02728954	7,05 0.2776	7,05 0.2776	7,065 0.2781	83,0 3.2680	10,0 0.3940	115,0 4.5280	6	■	□	□	■	□	□	
NF10-7.5H7-EB45	02728955	7,5 0.2953	7,5 0.2953	7,515 0.2959	83,0 3.2680	10,0 0.3940	115,0 4.5280	6	■	□	□	■	□	□	
NF10-7.9375H7-EB45	02762018	7,9375 0.3125	7,937 0.3125	7,952 0.3131	83,0 3.2680	10,0 0.3940	115,0 4.5280	6	■	□	□	■	□	□	
NF10-7.97H7-EB45	02728956	7,97 0.3138	7,97 0.3138	7,985 0.3144	83,0 3.2680	10,0 0.3940	115,0 4.5280	6	■	□	□	■	□	□	

Ürün Tanımı	Ürün numarası	DC		Hole dia min-max			LUX	DMM	OAL		Geometriler			Kaliteler		
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç
NF10-7.98H7-EB45	02728957	7,98 0.3142	7,98 0.3142	7,995 0.3148	83,0 3.2680	10,0 0.3940	115,0 4.5280	6		■	□	□	■	□	□	
NF10-7.99H7-EB45	02728958	7,99 0.3146	7,99 0.3146	8,005 0.3152	83,0 3.2680	10,0 0.3940	115,0 4.5280	6		■	□	□	■	□	□	
NF10-8H7-EB45	02728959	8,0 0.3150	8,0 0.3150	8,015 0.3156	83,0 3.2680	10,0 0.3940	115,0 4.5280	6		■	□	□	■	□	□	
NF10-8.01H7-EB45	02728960	8,01 0.3154	8,01 0.3154	8,025 0.3159	83,0 3.2680	10,0 0.3940	115,0 4.5280	6		■	□	□	■	□	□	
NF10-8.02H7-EB45	02728961	8,02 0.3157	8,02 0.3157	8,035 0.3163	83,0 3.2680	10,0 0.3940	115,0 4.5280	6		■	□	□	■	□	□	
NF10-8.03H7-EB45	02728962	8,03 0.3161	8,03 0.3161	8,045 0.3167	83,0 3.2680	10,0 0.3940	115,0 4.5280	6		■	□	□	■	□	□	
NF10-8.04H7-EB45	02728963	8,04 0.3165	8,04 0.3165	8,055 0.3171	83,0 3.2680	10,0 0.3940	115,0 4.5280	6		■	□	□	■	□	□	
NF10-8.05H7-EB45	02728964	8,05 0.3169	8,05 0.3169	8,065 0.3175	83,0 3.2680	10,0 0.3940	115,0 4.5280	6		■	□	□	■	□	□	
NF10-8.5H7-EB45	02728965	8,5 0.3346	8,5 0.3346	8,515 0.3352	93,0 3.6610	10,0 0.3940	125,0 4.9210	6		■	□	□	■	□	□	
NF10-9H7-EB45	02728974	9,0 0.3543	9,0 0.3543	9,015 0.3549	93,0 3.6610	10,0 0.3940	125,0 4.9210	6		■	□	□	■	□	□	
NF10-9.01H7-EB45	02728975	9,01 0.3547	9,01 0.3547	9,025 0.3553	93,0 3.6610	10,0 0.3940	125,0 4.9210	6		■	□	□	■	□	□	
NF10-9.05H7-EB45	02728979	9,05 0.3563	9,05 0.3563	9,065 0.3569	93,0 3.6610	10,0 0.3940	125,0 4.9210	6		■	□	□	■	□	□	
NF10-9.5H7-EB45	02728980	9,5 0.3740	9,5 0.3740	9,515 0.3746	93,0 3.6610	10,0 0.3940	125,0 4.9210	6		■	□	□	■	□	□	
NF10-9.5250H7-EB45	02762020	9,525 0.3750	9,525 0.3750	9,54 0.3756	93,0 3.6610	10,0 0.3940	125,0 4.9210	6		■	□	□	■	□	□	
NF10-9.97H7-EB45	02728981	9,97 0.3925	9,97 0.3925	9,985 0.3931	93,0 3.6610	10,0 0.3940	125,0 4.9210	6		■	□	□	■	□	□	
NF10-9.98H7-EB45	02728982	9,98 0.3929	9,98 0.3929	9,995 0.3935	93,0 3.6610	10,0 0.3940	125,0 4.9210	6		■	□	□	■	□	□	
NF10-9.99H7-EB45	02728983	9,99 0.3933	9,99 0.3933	10,005 0.3939	93,0 3.6610	10,0 0.3940	125,0 4.9210	6		■	□	□	■	□	□	
NF10-10H7-EB45	02728986	10,0 0.3937	10,0 0.3937	10,015 0.3943	93,0 3.6610	10,0 0.3940	125,0 4.9210	6		■	□	□	■	□	□	
NF10-10.01H7-EB45	02728987	10,01 0.3941	10,01 0.3941	10,028 0.3948	93,0 3.6610	10,0 0.3940	125,0 4.9210	6		■	□	□	■	□	□	
NF10-10.02H7-EB45	02728988	10,02 0.3945	10,02 0.3945	10,038 0.3952	93,0 3.6610	10,0 0.3940	125,0 4.9210	6		■	□	□	■	□	□	
NF10-10.04H7-EB45	02728990	10,04 0.3953	10,04 0.3953	10,058 0.3960	93,0 3.6610	10,0 0.3940	125,0 4.9210	6		■	□	□	■	□	□	
NF10-10.05H7-EB45	02728991	10,05 0.3957	10,05 0.3957	10,068 0.3964	93,0 3.6610	10,0 0.3940	125,0 4.9210	6		■	□	□	■	□	□	
NF10-11H7-EB45	02728997	11,0 0.4331	11,0 0.4331	11,018 0.4338	114,0 4.4880	10,0 0.3940	125,0 4.9210	6		■	□	□	■	□	□	
NF10-11.04H7-EB45	02729004	11,04 0.4346	11,04 0.4346	11,058 0.4354	114,0 4.4880	10,0 0.3940	125,0 4.9210	6		■	□	□	■	□	□	
NF10-11.05H7-EB45	02729005	11,05 0.4350	11,05 0.4350	11,068 0.4357	114,0 4.4880	10,0 0.3940	125,0 4.9210	6		■	□	□	■	□	□	
NF10-11.112H7-EB45	02762021	11,112 0.4375	11,112 0.4375	11,13 0.4382	114,0 4.4880	10,0 0.3940	145,0 5.7090	6		■	□	□	■	□	□	
NF10-11.97H7-EB45	02729008	11,97 0.4713	11,97 0.4713	11,988 0.4720	114,0 4.4880	10,0 0.3940	125,0 4.9210	6		■	□	□	■	□	□	
NF10-11.98H7-EB45	02729009	11,98 0.4717	11,98 0.4717	11,998 0.4724	114,0 4.4880	10,0 0.3940	125,0 4.9210	6		■	□	□	■	□	□	
NF10-11.99H7-EB45	02729010	11,99 0.4720	11,99 0.4720	12,008 0.4728	114,0 4.4880	10,0 0.3940	125,0 4.9210	6		■	□	□	■	□	□	
NF10-12H7-EB45	02729011	12,0 0.4724	12,0 0.4724	12,018 0.4731	114,0 4.4880	10,0 0.3940	125,0 4.9210	6		■	□	□	■	□	□	

Ürün Tanımı	Ürün numarası	DC	Hole dia min-max			LUX	DMM	OAL		Geometriler			Kaliteler		
			mm İnç	mm İnç	mm İnç					mm İnç	mm İnç	mm İnç	mm İnç	EB45	EB845
NF10-12.01H7-EB45	02729012	12,01 0.4728	12,01 0.4728	12,028 0.4735	114,0 4.4880	10,0 0.3940	125,0 4.9210	6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NF10-12.02H7-EB45	02729013	12,02 0.4732	12,02 0.4732	12,038 0.4739	114,0 4.4880	10,0 0.3940	125,0 4.9210	6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NF10-12.03H7-EB45	02729014	12,03 0.4736	12,03 0.4736	12,048 0.4743	114,0 4.4880	10,0 0.3940	125,0 4.9210	6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NF10-12.04H7-EB45	02729015	12,04 0.4740	12,04 0.4740	12,058 0.4747	114,0 4.4880	10,0 0.3940	125,0 4.9210	6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NF10-12.05H7-EB45	02729016	12,05 0.4744	12,05 0.4744	12,068 0.4751	114,0 4.4880	10,0 0.3940	125,0 4.9210	6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

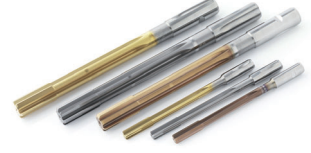
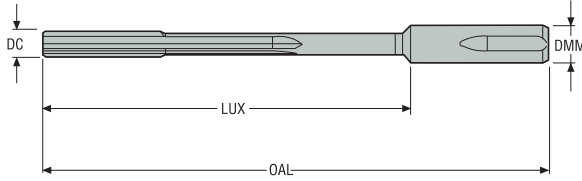
Stoklu standart ürün. Stoksuz standart ürün.

Not: Ara çaplar için Nanofix raybalarını sipariş ederken lütfen raybalanacak deliğin çap ve tolerans değerini belirtin.

Sipariş örneği: NF10-10,187/10,213-EB845, RX2000.

Ara çaplar

Uzun versiyon



- Kesme verileri için, bakınız sayfa 391-396
- Giriş geometrisi için, bakınız sayfa 373-375

Ürün Tanımı	DCN	DCX	LUX	DMM	OAL	Gövde ebatı	Geometrilere	Kaliteler							
	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç			H15	RK2050	RX2000	RN2010	RM2020	RM2090	RS2090	
NF06-2.970-XX-XXXX	2,97 0.117	3,05 0.120	40,0 1.575	6,0 0.236	60,0 2.362	4	NFQF06-xx	EB45 EB845 EB30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NF06-3.051-XX-XXXX	3,051 0.120	6,05 0.238	60,0 2.362	6,0 0.236	80,0 3.150	4	NFQF06-xx	EB45 EB845 EB30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NF10-6.051-XX-XXXX	6,051 0.238	8,05 0.317	83,0 3.268	10,0 0.394	115,0 4.528	6	NFQF10-xx	EB45 EB845 EB30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NF10-8.051-XX-XXXX	8,051 0.317	10,05 0.396	93,0 3.661	10,0 0.394	125,0 4.921	6	NFQF10-xx	EB45 EB845 EB30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NF10-10.051-XX-XXXX	10,051 0.396	12,05 0.474	114,0 4.488	10,0 0.394	145,0 5.709	6	NFQF10-xx	EB45 EB845 EB30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

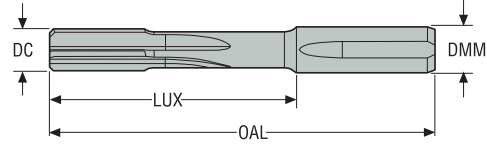
= Stoksuz standart ürün. Değişiklik olabilir, geçerli fiyat ve stok listesine bakınız.

Not: Ara çaplar için Nanofix raybalarını sipariş ederken lütfen raybalanacak deliğin çap ve tolerans değerini belirtin.

Sipariş örneği: NF10-10,187/10,213-EB845, RX2000.

Kapalı ve açık delikler için raybalar – kısa tip

Ø 2,97-12,05 mm / 0.116-0.474"



Ürün Tanımı	Ürün numarası	DC	Hole dia min-max			LUX	DMM	OAL		Geometrilere			Kaliteler		
			mm Inç	mm Inç	mm Inç					mm Inç	mm Inç	mm Inç	mm Inç	EB45	EB845
NS06-2.97H7-EB...	-	2,97 0.1169	2,97 0.1169	2,98 0.1173	25,0 0.9840	6,0 0.2360	45,0 1.7720	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS06-2.98H7-EB...	-	2,98 0.1173	2,98 0.1173	2,99 0.1177	25,0 0.9840	6,0 0.2360	45,0 1.7720	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS06-2.99H7-EB...	-	2,99 0.1177	2,99 0.1177	3,00 0.1181	25,0 0.9840	6,0 0.2360	45,0 1.7720	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS06-3.00H7-EB...	-	3,0 0.1181	3,00 0.1181	3,01 0.1185	25,0 0.9840	6,0 0.2360	45,0 1.7720	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS06-3H7-EB30	10019456	3,0 0.1181	3,01 0.1185	3,00 0.1181	25,0 0.9840	6,0 0.2360	45,0 1.7720	4	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS06-3.01H7-EB...	-	3,01 0.1185	3,01 0.1185	3,02 0.1190	25,0 0.9840	6,0 0.2360	45,0 1.7720	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS06-3.02H7-EB...	-	3,02 0.1189	3,02 0.1189	3,03 0.1194	25,0 0.9840	6,0 0.2360	45,0 1.7720	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS06-3.03H7-EB...	-	3,03 0.1193	3,03 0.1193	3,04 0.1198	25,0 0.9840	6,0 0.2360	45,0 1.7720	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS06-3.04H7-EB...	-	3,04 0.1197	3,04 0.1197	3,05 0.1202	25,0 0.9840	6,0 0.2360	45,0 1.7720	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS06-3.05H7-EB...	-	3,05 0.1201	3,05 0.1201	3,06 0.1206	25,0 0.9840	6,0 0.2360	45,0 1.7720	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS06-3.167H7-EB...	-	3,167 0.1247	3,18 0.1252	3,17 0.1247	30,0 1.1810	6,0 0.2360	50,0 1.9690	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS06-3.175H7-EB...	-	3,175 0.1250	3,18 0.1250	3,19 0.1255	30,0 1.1810	6,0 0.2360	50,0 1.9690	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS06-3.49H7-EB...	-	3,49 0.1374	3,49 0.1374	3,50 0.1379	30,0 1.1810	6,0 0.2360	50,0 1.9690	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS06-3.50H7-EB...	-	3,5 0.1378	3,50 0.1378	3,51 0.1383	30,0 1.1810	6,0 0.2360	50,0 1.9690	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS06-3.51H7-EB...	-	3,51 0.1382	3,51 0.1382	3,52 0.1387	30,0 1.1810	6,0 0.2360	50,0 1.9690	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS06-3.52H7-EB...	-	3,52 0.1386	3,52 0.1386	3,53 0.1391	30,0 1.1810	6,0 0.2360	50,0 1.9690	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS06-3.97H7-EB...	-	3,97 0.1563	3,97 0.1563	3,98 0.1568	30,0 1.1810	6,0 0.2360	50,0 1.9690	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS06-3.98H7-EB...	-	3,98 0.1567	3,98 0.1567	3,99 0.1572	30,0 1.1810	6,0 0.2360	50,0 1.9690	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS06-3.99H7-EB...	-	3,99 0.1571	3,99 0.1571	4,00 0.1576	30,0 1.1810	6,0 0.2360	50,0 1.9690	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS06-4.00H7-EB...	-	4,0 0.1575	4,00 0.1575	4,01 0.1580	30,0 1.1810	6,0 0.2360	50,0 1.9690	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS06-4H7-EB30	10019457	4,0 0.1575	4,01 0.1580	4,00 0.1575	30,0 1.1810	6,0 0.2360	50,0 1.9690	4	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS06-4.01H7-EB...	-	4,01 0.1579	4,01 0.1579	4,02 0.1583	30,0 1.1810	6,0 0.2360	50,0 1.9690	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS06-4.02H7-EB...	-	4,02 0.1583	4,02 0.1583	4,03 0.1587	30,0 1.1810	6,0 0.2360	50,0 1.9690	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Ürün Tanımı	Ürün numarası	DC			Hole dia min-max			LUX	DMM	OAL		Geometrilere			Kaliteler		
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç					mm İnç	EB45	EB845	EB30	RX2000	RK2050
NS06-4.03H7-EB...	-	4,03 0.1587	4,03 0.1587	4,04 0.1591	30,0 1.1810	6,0 0.2360	50,0 1.9690	4									
NS06-4.04H7-EB...	-	4,04 0.1591	4,04 0.1591	4,05 0.1595	30,0 1.1810	6,0 0.2360	50,0 1.9690	4									
NS06-4.05H7-EB...	-	4,05 0.1594	4,05 0.1594	4,06 0.1599	30,0 1.1810	6,0 0.2360	50,0 1.9690	4									
NS06-4.50H7-EB...	-	4,5 0.1772	4,50 0.1772	4,51 0.1776	30,0 1.1810	6,0 0.2360	50,0 1.9690	4									
NS06-4.750H7-EB...	-	4,75 0.1870	4,75 0.1870	4,76 0.1875	30,0 1.1810	6,0 0.2360	50,0 1.9690	4									
NS06-4.750H7-EB30	10019458	4,75 0.1870	4,76 0.1875	4,75 0.1870	30,0 1.1810	6,0 0.2360	50,0 1.9690	4									
NS06-4.762H7-EB...	-	4,762 0.1875	4,76 0.1875	4,77 0.1880	30,0 1.1810	6,0 0.2360	50,0 1.9690	4									
NS06-4.97H7-EB...	-	4,97 0.1957	4,97 0.1957	4,98 0.1961	30,0 1.1810	6,0 0.2360	50,0 1.9690	4									
NS06-4.98H7-EB...	-	4,98 0.1961	4,98 0.1961	4,99 0.1965	30,0 1.1810	6,0 0.2360	50,0 1.9690	4									
NS06-4.99H7-EB...	-	4,99 0.1965	4,99 0.1965	5,00 0.1969	30,0 1.1810	6,0 0.2360	50,0 1.9690	4									
NS06-5.00H7-EB...	-	5,0 0.1969	5,00 0.1969	5,01 0.1973	30,0 1.1810	6,0 0.2360	50,0 1.9690	4									
NS06-5H7-EB30	10019459	5,0 0.1969	5,01 0.1973	5,00 0.1969	30,0 1.1810	6,0 0.2360	50,0 1.9690	4									
NS06-5.01H7-EB...	-	5,01 0.1972	5,01 0.1972	5,02 0.1977	30,0 1.1810	6,0 0.2360	50,0 1.9690	4									
NS06-5.02H7-EB...	-	5,02 0.1976	5,02 0.1976	5,03 0.1981	30,0 1.1810	6,0 0.2360	50,0 1.9690	4									
NS06-5.03H7-EB...	-	5,03 0.1980	5,03 0.1980	5,04 0.1985	30,0 1.1810	6,0 0.2360	50,0 1.9690	4									
NS06-5.04H7-EB...	-	5,04 0.1984	5,04 0.1984	5,05 0.1989	30,0 1.1810	6,0 0.2360	50,0 1.9690	4									
NS06-5.05H7-EB...	-	5,05 0.1988	5,05 0.1988	5,06 0.1993	30,0 1.1810	6,0 0.2360	50,0 1.9690	4									
NS06-5.50H7-EB...	-	5,5 0.2165	5,50 0.2165	5,51 0.2170	30,0 1.1810	6,0 0.2360	50,0 1.9690	4									
NS06-5.97H7-EB...	-	5,97 0.2350	5,97 0.2350	5,98 0.2355	31,0 1.2200	6,0 0.2360	50,0 1.9690	4									
NS06-5.98H7-EB...	-	5,98 0.2354	5,98 0.2354	5,99 0.2359	31,0 1.2200	6,0 0.2360	50,0 1.9690	4									
NS06-5.99H7-EB...	-	5,99 0.2358	5,99 0.2358	6,00 0.2363	31,0 1.2200	6,0 0.2360	50,0 1.9690	4									
NS06-6.00H7-EB...	-	6,0 0.2362	6,00 0.2362	6,01 0.2367	31,0 1.2200	6,0 0.2360	50,0 1.9690	4									
NS06-6H7-EB30	10019460	6,0 0.2362	6,01 0.2367	6,00 0.2362	31,0 1.2200	6,0 0.2360	50,0 1.9690	4									
NS06-6.01H7-EB...	-	6,01 0.2366	6,01 0.2366	6,03 0.2372	31,0 1.2200	6,0 0.2360	50,0 1.9690	4									
NS06-6.02H7-EB...	-	6,02 0.2370	6,02 0.2370	6,04 0.2376	31,0 1.2200	6,0 0.2360	50,0 1.9690	4									
NS06-6.03H7-EB...	-	6,03 0.2374	6,03 0.2374	6,05 0.2380	31,0 1.2200	6,0 0.2360	50,0 1.9690	4									
NS06-6.04H7-EB...	-	6,04 0.2378	6,04 0.2378	6,06 0.2384	31,0 1.2200	6,0 0.2360	50,0 1.9690	4									
NS06-6.05H7-EB...	-	6,05 0.2382	6,05 0.2382	6,07 0.2388	31,0 1.2200	6,0 0.2360	50,0 1.9690	4									
NS10-6.334H7-EB...	-	6,334 0.2494	6,33 0.2494	6,35 0.2500	46,0 1.8110	10,0 0.3940	78,0 3.0710	6									
NS10-6.334H7-EB30	10019461	6,334 0.2494	6,35 0.2500	6,33 0.2494	46,0 1.8110	10,0 0.3940	78,0 3.0710	4									

Giriş

Delme

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Baralama

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Ürün Tanımı	Ürün numarası	DC			LUX			DMM			OAL	Geometriler			Kaliteler		
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç		EB45	EB845	EB30	RX2000	RK2050	H15
NS10-6.350H7-EB...	-	6,35 0.2500	6,35 0.2500	6,37 0.2506	46,0 1.8110	10,0 0.3940	78,0 3.0710	6		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
NS10-6.375H7-EB...	-	6,375 0.2510	6,38 0.2510	6,39 0.2516	46,0 1.8110	10,0 0.3940	78,0 3.0710	6		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
NS10-6.3754H7-EB30	10019462	6,375 0.2510	6,39 0.2516	6,38 0.2510	46,0 1.8110	10,0 0.3940	78,0 3.0710	4		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
NS10-6.5H7-EB...	-	6,5 0.2559	6,50 0.2559	6,52 0.2565	46,0 1.8110	10,0 0.3940	78,0 3.0710	6		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
NS10-6.97H7-EB...	-	6,97 0.2744	6,97 0.2744	6,99 0.2750	46,0 1.8110	10,0 0.3940	78,0 3.0710	6		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
NS10-6.98H7-EB...	-	6,98 0.2748	6,98 0.2748	7,00 0.2754	46,0 1.8110	10,0 0.3940	78,0 3.0710	6		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
NS10-6.99H7-EB...	-	6,99 0.2752	6,99 0.2752	7,01 0.2758	46,0 1.8110	10,0 0.3940	78,0 3.0710	6		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
NS10-7.00H7-EB...	-	7,0 0.2756	7,00 0.2756	7,02 0.2762	46,0 1.8110	10,0 0.3940	78,0 3.0710	6		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
NS10-7.02H7-EB30	10019463	7,0 0.2756	7,02 0.2762	7,00 0.2756	46,0 1.8110	10,0 0.3940	78,0 3.0710	4		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
NS10-7.01H7-EB...	-	7,01 0.2760	7,01 0.2760	7,03 0.2766	46,0 1.8110	10,0 0.3940	78,0 3.0710	6		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
NS10-7.02H7-EB...	-	7,02 0.2764	7,02 0.2764	7,04 0.2770	46,0 1.8110	10,0 0.3940	78,0 3.0710	6		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
NS10-7.03H7-EB...	-	7,03 0.2768	7,03 0.2768	7,05 0.2774	46,0 1.8110	10,0 0.3940	78,0 3.0710	6		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
NS10-7.04H7-EB...	-	7,04 0.2772	7,04 0.2772	7,06 0.2778	46,0 1.8110	10,0 0.3940	78,0 3.0710	6		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
NS10-7.05H7-EB...	-	7,05 0.2776	7,05 0.2776	7,07 0.2781	46,0 1.8110	10,0 0.3940	78,0 3.0710	6		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
NS10-7.50H7-EB...	-	7,5 0.2953	7,50 0.2953	7,52 0.2959	46,0 1.8110	10,0 0.3940	78,0 3.0710	6		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
NS10-7.9375H7-EB...	-	7,9375 0.3125	7,94 0.3125	7,95 0.3131	46,0 1.8110	10,0 0.3940	78,0 3.0710	6		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
NS10-7.97H7-EB...	-	7,97 0.3138	7,97 0.3138	7,99 0.3144	46,0 1.8110	10,0 0.3940	78,0 3.0710	6		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
NS10-7.98H7-EB...	-	7,98 0.3142	7,98 0.3142	8,00 0.3148	46,0 1.8110	10,0 0.3940	78,0 3.0710	6		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
NS10-7.99H7-EB...	-	7,99 0.3146	7,99 0.3146	8,01 0.3152	46,0 1.8110	10,0 0.3940	78,0 3.0710	6		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
NS10-8.00H7-EB...	-	8,0 0.3150	8,00 0.3150	8,02 0.3156	46,0 1.8110	10,0 0.3940	78,0 3.0710	6		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
NS10-8.02H7-EB30	10019464	8,0 0.3150	8,02 0.3156	8,00 0.3150	46,0 1.8110	10,0 0.3940	78,0 3.0710	4		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
NS10-8.01H7-EB...	-	8,01 0.3154	8,01 0.3154	8,03 0.3159	46,0 1.8110	10,0 0.3940	78,0 3.0710	6		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
NS10-8.02H7-EB...	-	8,02 0.3157	8,02 0.3157	8,04 0.3163	46,0 1.8110	10,0 0.3940	78,0 3.0710	6		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
NS10-8.03H7-EB...	-	8,03 0.3161	8,03 0.3161	8,05 0.3167	46,0 1.8110	10,0 0.3940	78,0 3.0710	6		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
NS10-8.04H7-EB...	-	8,04 0.3165	8,04 0.3165	8,06 0.3171	46,0 1.8110	10,0 0.3940	78,0 3.0710	6		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
NS10-8.05H7-EB...	-	8,05 0.3169	8,05 0.3169	8,07 0.3175	46,0 1.8110	10,0 0.3940	78,0 3.0710	6		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
NS10-8.50H7-EB...	-	8,5 0.3346	8,50 0.3346	8,52 0.3352	46,0 1.8110	10,0 0.3940	78,0 3.0710	6		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
NS10-8.97H7-EB...	-	8,97 0.3531	8,97 0.3531	8,99 0.3537	46,0 1.8110	10,0 0.3940	78,0 3.0710	6		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
NS10-8.98H7-EB...	-	8,98 0.3535	8,98 0.3535	9,00 0.3541	46,0 1.8110	10,0 0.3940	78,0 3.0710	6		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
NS10-8.99H7-EB...	-	8,99 0.3539	8,99 0.3539	9,01 0.3545	46,0 1.8110	10,0 0.3940	78,0 3.0710	6		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Giriş

Delme

Raybalama

Baralama

Ek

Ürün Tanımı	Ürün numarası	DC	Hole dia min-max			LUX	DMM	OAL		Geometrilere			Kaliteler		
			mm İnç	mm İnç	mm İnç					mm İnç	mm İnç	mm İnç	EB45	EB845	EB30
NS10-9.00H7-EB...	-	9,0 0.3543	9,00 0.3543	9,02 0.3549	46,0 1.8110	10,0 0.3940	78,0 3.0710	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS10-9H7-EB30	10019465	9,0 0.3543	9,02 0.3549	9,00 0.3543	46,0 1.8110	10,0 0.3940	78,0 3.0710	4	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS10-9.01H7-EB...	-	9,01 0.3547	9,01 0.3547	9,03 0.3553	46,0 1.8110	10,0 0.3940	78,0 3.0710	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS10-9.02H7-EB...	-	9,02 0.3551	9,02 0.3551	9,04 0.3557	46,0 1.8110	10,0 0.3940	78,0 3.0710	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS10-9.03H7-EB...	-	9,03 0.3555	9,03 0.3555	9,05 0.3561	46,0 1.8110	10,0 0.3940	78,0 3.0710	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS10-9.04H7-EB...	-	9,04 0.3559	9,04 0.3559	9,06 0.3565	46,0 1.8110	10,0 0.3940	78,0 3.0710	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS10-9.05H7-EB...	-	9,05 0.3563	9,05 0.3563	9,07 0.3569	46,0 1.8110	10,0 0.3940	78,0 3.0710	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS10-9.50H7-EB...	-	9,5 0.3740	9,50 0.3740	9,52 0.3746	46,0 1.8110	10,0 0.3940	78,0 3.0710	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS10-9.5123H7-EB...	-	9,5123 0.3745	9,51 0.3745	9,53 0.3751	46,0 1.8110	10,0 0.3940	78,0 3.0710	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS10-9.5250H7-EB...	-	9,525 0.3750	9,53 0.3750	9,54 0.3756	46,0 1.8110	10,0 0.3940	78,0 3.0710	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS10-9.525H7-EB30	10019466	9,525 0.3750	9,54 0.3756	9,53 0.3750	46,0 1.8110	10,0 0.3940	78,0 3.0710	4	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS10-9.97H7-EB...	-	9,97 0.3925	9,97 0.3925	9,99 0.3931	46,0 1.8110	10,0 0.3940	78,0 3.0710	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS10-9.98H7-EB...	-	9,98 0.3929	9,98 0.3929	10,00 0.3935	46,0 1.8110	10,0 0.3940	78,0 3.0710	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS10-9.99H7-EB...	-	9,99 0.3933	9,99 0.3933	10,01 0.3939	46,0 1.8110	10,0 0.3940	78,0 3.0710	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS10-10.00H7-EB...	-	10,0 0.3937	10,00 0.3937	10,02 0.3943	46,0 1.8110	10,0 0.3940	78,0 3.0710	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS10-10H7-EB30	10019467	10,0 0.3937	10,02 0.3943	10,00 0.3937	46,0 1.8110	10,0 0.3940	78,0 3.0710	4	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS10-10.01H7-EB...	-	10,01 0.3941	10,01 0.3941	10,03 0.3948	46,0 1.8110	10,0 0.3940	78,0 3.0710	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS10-10.02H7-EB...	-	10,02 0.3945	10,02 0.3945	10,04 0.3952	46,0 1.8110	10,0 0.3940	78,0 3.0710	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS10-10.03H7-EB...	-	10,03 0.3949	10,03 0.3949	10,05 0.3956	46,0 1.8110	10,0 0.3940	78,0 3.0710	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS10-10.04H7-EB...	-	10,04 0.3953	10,04 0.3953	10,06 0.3960	46,0 1.8110	10,0 0.3940	78,0 3.0710	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS10-10.05H7-EB...	-	10,05 0.3957	10,05 0.3957	10,07 0.3964	46,0 1.8110	10,0 0.3940	78,0 3.0710	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS10-10.50H7-EB...	-	10,5 0.4134	10,50 0.4134	10,52 0.4141	57,0 2.2440	10,0 0.3940	88,0 3.4650	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS10-10.97H7-EB...	-	10,97 0.4319	10,97 0.4319	10,99 0.4326	57,0 2.2440	10,0 0.3940	88,0 3.4650	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS10-10.98H7-EB...	-	10,98 0.4323	10,98 0.4323	11,00 0.4330	57,0 2.2440	10,0 0.3940	88,0 3.4650	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS10-10.99H7-EB...	-	10,99 0.4327	10,99 0.4327	11,01 0.4334	57,0 2.2440	10,0 0.3940	88,0 3.4650	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS10-11.00H7-EB...	-	11,0 0.4331	11,00 0.4331	11,02 0.4338	57,0 2.2440	10,0 0.3940	88,0 3.4650	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS10-11.01H7-EB...	-	11,01 0.4335	11,01 0.4335	11,03 0.4342	57,0 2.2440	10,0 0.3940	88,0 3.4650	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS10-11.02H7-EB...	-	11,02 0.4339	11,02 0.4339	11,04 0.4346	57,0 2.2440	10,0 0.3940	88,0 3.4650	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS10-11.03H7-EB...	-	11,03 0.4343	11,03 0.4343	11,05 0.4350	57,0 2.2440	10,0 0.3940	88,0 3.4650	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NS10-11.04H7-EB...	-	11,04 0.4346	11,04 0.4346	11,06 0.4354	57,0 2.2440	10,0 0.3940	88,0 3.4650	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Giriş

Delme

Raybalama

Baralama

Ek

Giriş	Ürün Tanımı	Ürün numarası	DC			LUX	DMM	OAL		Geometrilere			Kaliteler		
			mm Inç	mm Inç	mm Inç					mm Inç	mm Inç	mm Inç	mm Inç	EB45	EB845
	NS10-11.05H7-EB...	-	11,05 0.4350	11,05 0.4350	11,07 0.4357	57,0 2.2440	10,0 0.3940	88,0 3.4650	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	NS10-11.112H7-EB...	-	11,112 0.4375	11,11 0.4375	11,13 0.4382	57,0 2.2440	10,0 0.3940	88,0 3.4650	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	NS10-11.50H7-EB...	-	11,5 0.4528	11,50 0.4528	11,52 0.4535	57,0 2.2440	10,0 0.3940	88,0 3.4650	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	NS10-11.97H7-EB...	-	11,97 0.4713	11,97 0.4713	11,99 0.4720	57,0 2.2440	10,0 0.3940	88,0 3.4650	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	NS10-11.98H7-EB...	-	11,98 0.4717	11,98 0.4717	12,00 0.4724	57,0 2.2440	10,0 0.3940	88,0 3.4650	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	NS10-11.99H7-EB...	-	11,99 0.4720	11,99 0.4720	12,01 0.4728	57,0 2.2440	10,0 0.3940	88,0 3.4650	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	NS10-12.00H7-EB...	-	12,0 0.4724	12,00 0.4724	12,02 0.4731	57,0 2.2440	10,0 0.3940	88,0 3.4650	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	NS10-12H7-EB30	10019468	12,0 0.4724	12,02 0.4731	12,00 0.4724	57,0 2.2440	10,0 0.3940	88,0 3.4650	4	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	NS10-12.01H7-EB...	-	12,01 0.4728	12,01 0.4728	12,03 0.4735	57,0 2.2440	10,0 0.3940	88,0 3.4650	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	NS10-12.02H7-EB...	-	12,02 0.4732	12,02 0.4732	12,04 0.4739	57,0 2.2440	10,0 0.3940	88,0 3.4650	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	NS10-12.03H7-EB...	-	12,03 0.4736	12,03 0.4736	12,05 0.4743	57,0 2.2440	10,0 0.3940	88,0 3.4650	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	NS10-12.04H7-EB...	-	12,04 0.4740	12,04 0.4740	12,06 0.4747	57,0 2.2440	10,0 0.3940	88,0 3.4650	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	NS10-12.05H7-EB...	-	12,05 0.4744	12,05 0.4744	12,07 0.4751	57,0 2.2440	10,0 0.3940	88,0 3.4650	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

■ Stoklu standart ürün. □ Stoksuz standart ürün.

Not: Ara çaplar için Nanofix raybalarını sipariş ederken lütfen raybalanacak deliğin çap ve tolerans değerini belirtin.

Sipariş örneği: NF10-10,187/10,213-EB845, RX2000.

Giriş

Delme

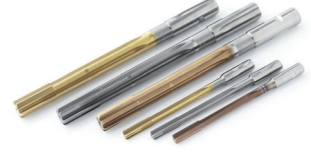
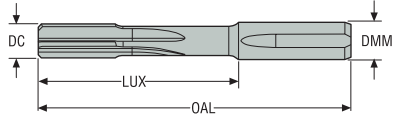
Raybalama

Baralama

Ek

Ara çaplar

Kısa versiyon



- Kesme verileri için, bakınız sayfa 391-396
- Giriş geometrisi için, bakınız sayfa 373-375

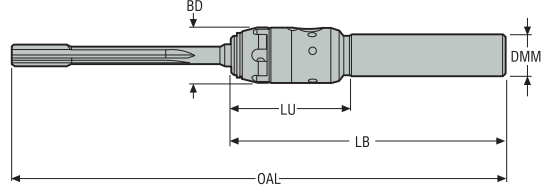
Ürün Tanımı	DCN	DCX	LUX	DMM	OAL	Gövde ebatı	Geometrilere	Kaliteler							
	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç			H15	RK2050	RX2000	RN2010	RM2020	RM2090	RS2090	
NS06-2.970-XX-XXXX	2,97 0.117	3,05 0.120	25,0 0.984	6,0 0.236	45,0 1.772	4	NFQF06-xx	EB45 EB845 EB30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NS06-3.051-XX-XXXX	3,051 0.120	6,05 0.238	30,0 1.181	6,0 0.236	50,0 1.969	4	NFQF06-xx	EB45 EB845 EB30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NS10-6.051-XX-XXXX	6,051 0.238	10,05 0.396	46,0 1.811	10,0 0.394	78,0 3.071	6	NFQF10-xx	EB45 EB845 EB30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NS10-10.051-XX-XXXX	10,051 0.396	12,05 0.474	57,0 2.244	10,0 0.394	88,0 3.465	6	NFQF10-xx	EB45 EB845 EB30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

= Stoksuz standart ürün. Değişiklik olabilir, geçerli fiyat ve stok listesine bakınız.

Not: Ara çaplar için Nanofix raybalarını sipariş ederken lütfen raybalanacak deliğin çap ve tolerans değerini belirtin.

Sipariş örneği: NS10-10,187/10,213-EB845, RS2090.

Nanofix Tutucular



Ürün numarası	Ürün Tanımı	DC	DMM	BD	LU	LB
		mm	mm	mm	mm	mm
02729036	NFQF06-03700-10N1	2,97-6,05	10,0	16,0	37,0	80,0
02729037	NFQF06-03300-12N1	2,97-6,05	12,0	16,0	35,0	80,0
02729041	NFQF06-03000-16N1	2,97-6,05	16,0	16,0	30,0	80,0
02729044	NFQF10-05200-12N1	6,051-12,05	12,0	23,0	52,0	100,0
02729045	NFQF10-04900-16N1	6,051-12,05	16,0	23,0	49,0	100,0
02729046	NFQF10-04700-20N1	6,051-12,05	20,0	23,0	47,0	100,0

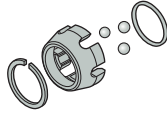
Yedek parçalar

DC	Yedek Sıkma Seti	Anahtar
2,97-6,050	NF06-CLKI	CLC06KEY
6,051-12,050	NF10-CLKI	CLC10KEY

Nanofix gövdeler için yedek sıkma kiti şunlardan oluşur:

- 1 sıkma somunu
- 1 aksiyal durdurma yaylı halkası
- 3 sıkma bilyesi (çap 3,5 mm NF06 ebadı için ve çap 5 mm NF10 ebadı için)
- 1 basit bilye (çap 3 mm NF06 ebadı için ve çap 4 mm NF10 ebadı için)
- 1 O-ring

Not: Basit bilye yukarıda gösterilmemiştir.



Kesme verileri – NF/NS...-EB45 Metrik

SMG		a _p (°)		f		v _c						
		z=4	z=6	z=4	z=6	H15	CP20	RX2000	RN2010	RM2020	RM2090	RS2090
P1	NF/NS-EB45	0,10-0,15	0,1-0,20	0,10-0,30	0,20-0,60	25 (15-30)	60 (30-100)	80 (30-150)	-	-	-	-
P2	NF/NS-EB45	0,10-0,15	0,1-0,20	0,10-0,30	0,20-0,60	25 (15-30)	60 (30-100)	80 (30-150)	-	-	-	-
P3	NF/NS-EB45	0,10-0,15	0,1-0,20	0,10-0,30	0,20-0,60	25 (15-30)	60 (30-100)	80 (30-150)	-	-	-	-
P4	NF/NS-EB45	0,10-0,15	0,1-0,20	0,10-0,20	0,20-0,50	20 (10-25)	50 (30-80)	60 (30-120)	-	-	-	-
P5	NF/NS-EB45	0,10-0,15	0,1-0,20	0,10-0,20	0,20-0,50	20 (10-25)	50 (30-80)	60 (30-120)	-	-	-	-
P6	NF/NS-EB45	0,10-0,15	0,1-0,20	0,10-0,20	0,20-0,50	20 (10-25)	50 (30-80)	60 (30-120)	-	-	-	-
P7	NF/NS-EB45	0,10-0,15	0,1-0,20	0,10-0,20	0,20-0,50	20 (10-25)	50 (30-80)	60 (30-120)	-	-	-	-
P8	NF/NS-EB45	0,10-0,15	0,1-0,20	0,10-0,20	0,20-0,50	15 (10-20)	35 (20-60)	40 (20-80)	-	-	-	-
P11	NF/NS-EB45	0,10-0,15	0,1-0,20	0,10-0,20	0,20-0,50	15 (10-20)	35 (20-60)	40 (20-80)	-	-	-	-
P12	NF/NS-EB45	0,10-0,15	0,1-0,20	0,10-0,20	0,20-0,50	12 (8-15)	25 (15-45)	30 (15-65)	-	-	-	-
M1	NF/NS-EB45	0,08-0,15	0,10-0,15	0,10-0,20	0,20-0,50	12 (9-15)	25 (15-40)	35 (20-60)	-	25 (15-40)	40 (20-60)	-
M2	NF/NS-EB45	0,08-0,15	0,10-0,15	0,10-0,20	0,20-0,50	-	25 (15-40)	35 (20-60)	-	25 (15-40)	40 (20-60)	-
M3	NF/NS-EB45	0,08-0,15	0,10-0,15	0,10-0,20	0,20-0,50	-	25 (15-40)	35 (20-60)	-	25 (15-40)	40 (20-60)	-
M4	NF/NS-EB45	0,08-0,15	0,10-0,15	0,10-0,20	0,20-0,50	-	20 (10-30)	25 (15-40)	-	25 (10-30)	30 (15-40)	-
M5	NF/NS-EB45	0,08-0,15	0,10-0,15	0,10-0,20	0,20-0,50	-	20 (10-30)	25 (15-40)	-	25 (10-30)	30 (15-40)	-
K1	NF/NS-EB45	0,10-0,20	0,10-0,25	0,10-0,30	0,20-0,60	25 (15-30)	60 (40-100)	80 (30-150)	-	-	-	-
K2	NF/NS-EB45	0,10-0,20	0,10-0,25	0,10-0,30	0,20-0,60	-	25 (20-40)	40 (30-70)	-	-	-	-
K3	NF/NS-EB45	0,10-0,20	0,10-0,25	0,10-0,30	0,20-0,60	25 (15-30)	60 (40-100)	80 (30-150)	-	-	-	-
K4	NF/NS-EB45	0,10-0,20	0,10-0,25	0,10-0,30	0,20-0,60	25 (15-30)	45 (30-70)	70 (40-120)	-	-	-	-
K5	NF/NS-EB45	0,10-0,20	0,10-0,25	0,10-0,30	0,20-0,60	25 (15-30)	45 (30-70)	70 (40-120)	-	-	-	-
K6	NF/NS-EB45	0,10-0,20	0,10-0,25	0,10-0,30	0,20-0,60	-	60 (40-100)	80 (30-150)	-	-	-	-
K7	NF/NS-EB45	0,10-0,20	0,10-0,25	0,10-0,30	0,20-0,60	-	60 (40-100)	80 (30-150)	-	-	-	-
N1	NF/NS-EB45	0,10-0,20	0,10-0,30	0,10-0,30	0,20-0,60	50 (20-80)	-	80 (30-150)	50 (20-80)	-	-	-
N2	NF/NS-EB45	0,10-0,20	0,10-0,30	0,10-0,30	0,20-0,60	50 (20-80)	-	80 (30-150)	50 (20-80)	-	-	-
N3	NF/NS-EB45	0,10-0,20	0,10-0,30	0,10-0,30	0,20-0,60	50 (20-80)	-	80 (30-150)	50 (20-80)	-	-	-
N4	NF/NS-EB45	0,10-0,20	0,10-0,30	0,10-0,30	0,20-0,60	50 (20-80)	-	80 (30-150)	50 (20-80)	-	-	-
S1	NF/NS-EB45	0,08-0,15	0,10-0,15	0,10-0,20	0,20-0,30	-	15 (8-20)	20 (10-25)	-	-	-	20 (10-25)
S2	NF/NS-EB45	0,08-0,15	0,10-0,15	0,10-0,20	0,20-0,30	-	15 (8-20)	20 (10-25)	-	-	-	20 (10-25)
S3	NF/NS-EB45	0,08-0,15	0,10-0,15	0,10-0,20	0,20-0,30	-	15 (8-20)	20 (10-25)	-	-	-	25 (10-25)
S11	NF/NS-EB45	0,08-0,15	0,10-0,15	0,10-0,20	0,20-0,30	20 (15-30)	30 (15-40)	40 (20-50)	-	-	-	30 (20-50)
S12	NF/NS-EB45	0,08-0,15	0,10-0,15	0,10-0,20	0,20-0,30	20 (15-30)	30 (15-40)	40 (20-50)	-	-	-	30 (20-50)
S13	NF/NS-EB45	0,08-0,15	0,10-0,15	0,10-0,20	0,20-0,30	20 (15-30)	30 (15-40)	40 (20-50)	-	-	-	30 (20-50)

Tablo sonraki sayfada devam ediyor.

Giriş

Delme

Raybalama

Baralama

Ek

Kesme verileri – NF/NS...-EB45 Metrik

SMG		a_p (°)		f		v_c						
		z=4	z=6	z=4	z=6	H15	CP20	RX2000	RK2050	RM2020	RM2090	RS2090
H3	NF/NS-EB45	0,08- 0,15	0,10- 0,15	0,10- 0,20	0,20- 0,30	-	-	10 (8-15)	-	-	-	-
H5	NF/NS-EB45	0,08- 0,15	0,10- 0,15	0,10- 0,20	0,20- 0,30	-	-	10 (8-15)	-	-	-	-
H7	NF/NS-EB45	0,08- 0,15	0,10- 0,15	0,10- 0,20	0,20- 0,30	-	-	10 (8-15)	-	-	-	-
H8	NF/NS-EB45	0,08- 0,15	0,10- 0,15	0,10- 0,20	0,20- 0,30	-	-	10 (8-15)	-	-	-	-
H11	NF/NS-EB45	0,08- 0,15	0,10- 0,15	0,10- 0,20	0,20- 0,30	-	-	10 (8-15)	-	-	-	-
H12	NF/NS-EB45	0,08- 0,15	0,10- 0,15	0,10- 0,20	0,20- 0,30	-	-	10 (8-15)	-	-	-	-
H21	NF/NS-EB45	0,08- 0,15	0,10- 0,15	0,10- 0,20	0,20- 0,30	-	-	10 (8-15)	-	-	-	-
H31	NF/NS-EB45	0,08- 0,15	0,10- 0,15	0,10- 0,20	0,20- 0,30	-	-	10 (8-15)	-	-	-	-
PM1	NF/NS-EB45	0,10- 0,15	0,1- 0,20	0,10- 0,20	0,20- 0,50	-	50 (30-80)	70 (40-100)	-	-	-	-
PM2	NF/NS-EB45	0,10- 0,15	0,1- 0,20	0,10- 0,20	0,20- 0,50	-	50 (30-80)	70 (40-100)	-	-	-	-
PM3	NF/NS-EB45	0,10- 0,15	0,1- 0,20	0,10- 0,20	0,20- 0,50	-	50 (30-80)	70 (40-100)	-	-	-	-
TS1	NF/NS-EB45	0,10- 0,15	0,1- 0,20	0,10- 0,30	0,20- 0,60	20 (15-25)	-	40 (20-60)	-	-	-	-
TS2	NF/NS-EB45	0,10- 0,15	0,1- 0,20	0,10- 0,30	0,20- 0,60	20 (15-25)	-	40 (20-60)	-	-	-	-
TS3	NF/NS-EB45	0,10- 0,15	0,1- 0,20	0,10- 0,30	0,20- 0,60	20 (15-25)	-	40 (20-60)	-	-	-	-
TS4	NF/NS-EB45	0,10- 0,15	0,1- 0,20	0,10- 0,30	0,20- 0,60	20 (15-25)	-	40 (20-60)	-	-	-	-
TP1	NF/NS-EB45	0,10- 0,15	0,1- 0,20	0,10- 0,30	0,20- 0,60	20 (15-25)	-	40 (20-60)	-	-	-	-
TP2	NF/NS-EB45	0,10- 0,15	0,1- 0,20	0,10- 0,30	0,20- 0,60	20 (15-25)	-	40 (20-60)	-	-	-	-
TP3	NF/NS-EB45	0,10- 0,15	0,1- 0,20	0,10- 0,30	0,20- 0,60	20 (15-25)	-	40 (20-60)	-	-	-	-
TP4	NF/NS-EB45	0,10- 0,15	0,1- 0,20	0,10- 0,30	0,20- 0,60	20 (15-25)	-	40 (20-60)	-	-	-	-
GR1	NF/NS-EB45	0,10- 0,15	0,1- 0,20	0,10- 0,30	0,20- 0,60	40 (80-20)	-	60 (30-120)	-	-	-	-

SMG = Seco malzeme grubu

a_p = mm

f = mm/dev

v_c = m/dak

Tüm kesme verileri başlangıç değerleridir

Kesme verileri – NF/NS...-EB45 inç

SMG		a_p (°)		f		v_c						
		z=4	z=6	z=4	z=6	H15	CP20	RX2000	RN2010	RM2020	RM2090	RS2090
P1	NF/NS-EB45	0.004-0.006	0.004-0.008	0.004-0.012	0.008-0.024	80 (50-100)	195 (100-330)	260 (100-490)	-	-	-	-
P2	NF/NS-EB45	0.004-0.006	0.004-0.008	0.004-0.012	0.008-0.024	80 (50-100)	195 (100-330)	260 (100-490)	-	-	-	-
P3	NF/NS-EB45	0.004-0.006	0.004-0.008	0.004-0.012	0.008-0.024	80 (50-100)	195 (100-330)	260 (100-490)	-	-	-	-
P4	NF/NS-EB45	0.004-0.006	0.004-0.008	0.004-0.008	0.008-0.020	65 (35-80)	165 (100-260)	195 (100-395)	-	-	-	-
P5	NF/NS-EB45	0.004-0.006	0.004-0.008	0.004-0.008	0.008-0.020	65 (35-80)	165 (100-260)	195 (100-395)	-	-	-	-
P6	NF/NS-EB45	0.004-0.006	0.004-0.008	0.004-0.008	0.008-0.020	65 (35-80)	165 (100-260)	195 (100-395)	-	-	-	-
P7	NF/NS-EB45	0.004-0.006	0.004-0.008	0.004-0.008	0.008-0.020	65 (35-80)	165 (100-260)	195 (100-395)	-	-	-	-
P8	NF/NS-EB45	0.004-0.006	0.004-0.008	0.004-0.008	0.008-0.020	50 (35-65)	115 (65-195)	130 (65-260)	-	-	-	-
P11	NF/NS-EB45	0.004-0.006	0.004-0.008	0.004-0.008	0.008-0.020	50 (35-65)	115 (65-195)	130 (65-260)	-	-	-	-
P12	NF/NS-EB45	0.004-0.006	0.004-0.008	0.004-0.008	0.008-0.020	40 (25-50)	80 (50-150)	100 (50-215)	-	-	-	-
M1	NF/NS-EB45	0.003-0.006	0.004-0.006	0.004-0.008	0.008-0.020	40 (30-50)	80 (50-130)	115 (65-195)	-	80 (50-130)	130 (65-195)	-
M2	NF/NS-EB45	0.003-0.006	0.004-0.006	0.004-0.008	0.008-0.020	-	80 (50-130)	115 (65-195)	-	80 (50-130)	130 (65-195)	-
M3	NF/NS-EB45	0.003-0.006	0.004-0.006	0.004-0.008	0.008-0.020	-	80 (50-130)	115 (65-195)	-	80 (50-130)	130 (65-195)	-
M4	NF/NS-EB45	0.003-0.006	0.004-0.006	0.004-0.008	0.008-0.020	-	65 (35-100)	80 (50-130)	-	65 (35-100)	100 (50-130)	-
M5	NF/NS-EB45	0.003-0.006	0.004-0.006	0.004-0.008	0.008-0.020	-	65 (35-100)	80 (50-130)	-	65 (35-100)	100 (50-130)	-
K1	NF/NS-EB45	0.004-0.008	0.004-0.010	0.004-0.012	0.008-0.024	80 (50-100)	195 (130-330)	260 (100-490)	-	-	-	-
K2	NF/NS-EB45	0.004-0.008	0.004-0.010	0.004-0.012	0.008-0.024	-	80 (65-130)	130 (100-230)	-	-	-	-
K3	NF/NS-EB45	0.004-0.008	0.004-0.010	0.004-0.012	0.008-0.024	80 (50-100)	195 (130-330)	260 (100-490)	-	-	-	-
K4	NF/NS-EB45	0.004-0.008	0.004-0.010	0.004-0.012	0.008-0.024	80 (50-100)	150 (100-230)	230 (130-395)	-	-	-	-
K5	NF/NS-EB45	0.004-0.008	0.004-0.010	0.004-0.012	0.008-0.024	80 (50-100)	150 (100-230)	230 (130-395)	-	-	-	-
K6	NF/NS-EB45	0.004-0.008	0.004-0.010	0.004-0.012	0.008-0.024	-	195 (130-330)	260 (100-490)	-	-	-	-
K7	NF/NS-EB45	0.004-0.008	0.004-0.010	0.004-0.012	0.008-0.024	-	195 (130-330)	260 (100-490)	-	-	-	-
N1	NF/NS-EB45	0.004-0.787	0.004-0.012	0.004-0.012	0.008-0.024	165 (65-260)	-	260 (100-490)	165 (65-260)	-	-	-
N2	NF/NS-EB45	0.004-0.787	0.004-0.012	0.004-0.012	0.008-0.024	165 (65-260)	-	260 (100-490)	165 (65-260)	-	-	-
N3	NF/NS-EB45	0.004-0.787	0.004-0.012	0.004-0.012	0.008-0.024	165 (65-260)	-	260 (100-490)	165 (65-260)	-	-	-
N4	NF/NS-EB45	0.004-0.787	0.004-0.012	0.004-0.012	0.008-0.024	165 (65-260)	-	260 (100-490)	165 (65-260)	-	-	-
S1	NF/NS-EB45	0.003-0.006	0.004-0.006	0.004-0.008	0.008-0.012	-	50 (25-65)	65 (35-80)	-	-	-	65 (35-80)
S2	NF/NS-EB45	0.003-0.006	0.004-0.006	0.004-0.008	0.008-0.012	-	50 (25-65)	65 (35-80)	-	-	-	65 (35-80)
S3	NF/NS-EB45	0.003-0.006	0.004-0.006	0.004-0.008	0.008-0.012	-	50 (25-65)	65 (35-80)	-	-	-	80 (35-80)
S11	NF/NS-EB45	0.003-0.006	0.004-0.006	0.004-0.008	0.008-0.012	65 (50-100)	100 (50-130)	130 (65-165)	-	-	-	100 (65-165)
S12	NF/NS-EB45	0.003-0.006	0.004-0.006	0.004-0.008	0.008-0.012	65 (50-100)	100 (50-130)	130 (65-165)	-	-	-	100 (65-165)
S13	NF/NS-EB45	0.003-0.006	0.004-0.006	0.004-0.008	0.008-0.012	65 (50-100)	100 (50-130)	130 (65-165)	-	-	-	100 (65-165)

Tablo sonraki sayfada devam ediyor.

Giriş

Delme

Raybalama

Baralama

Ek

Kesme verileri – NF/NS...-EB45 inç

SMG		a_p (∅)		f		v_c						
		z=4	z=6	z=4	z=6	H15	CP20	RX2000	RN2010	RM2020	RM2090	RS2090
H3	NF/NS-EB45	0.003-0.006	0.004-0.006	0.004-0.008	0.008-0.012	-	-	35 (25-50)	-	-	-	-
H5	NF/NS-EB45	0.003-0.006	0.004-0.006	0.004-0.008	0.008-0.012	-	-	35 (25-50)	-	-	-	-
H7	NF/NS-EB45	0.003-0.006	0.004-0.006	0.004-0.008	0.008-0.012	-	-	35 (25-50)	-	-	-	-
H8	NF/NS-EB45	0.003-0.006	0.004-0.006	0.004-0.008	0.008-0.012	-	-	35 (25-50)	-	-	-	-
H11	NF/NS-EB45	0.003-0.006	0.004-0.006	0.004-0.008	0.008-0.012	-	-	35 (25-50)	-	-	-	-
H12	NF/NS-EB45	0.003-0.006	0.004-0.006	0.004-0.008	0.008-0.012	-	-	35 (25-50)	-	-	-	-
H21	NF/NS-EB45	0.003-0.006	0.004-0.006	0.004-0.008	0.008-0.012	-	-	35 (25-50)	-	-	-	-
H31	NF/NS-EB45	0.003-0.006	0.004-0.006	0.004-0.008	0.008-0.012	-	-	35 (25-50)	-	-	-	-
PM1	NF/NS-EB45	0.004-0.006	0.004-0.008	0.004-0.008	0.008-0.020	-	165 (100-260)	230 (130-350)	-	-	-	-
PM2	NF/NS-EB45	0.004-0.006	0.004-0.008	0.004-0.008	0.008-0.020	-	165 (100-260)	230 (130-350)	-	-	-	-
PM3	NF/NS-EB45	0.004-0.006	0.004-0.008	0.004-0.008	0.008-0.020	-	165 (100-260)	230 (130-350)	-	-	-	-
TS1	NF/NS-EB45	0.004-0.006	0.004-0.008	0.004-0.012	0.008-0.024	65 (50-80)	-	130 (65-195)	-	-	-	-
TS2	NF/NS-EB45	0.004-0.006	0.004-0.008	0.004-0.012	0.008-0.024	65 (50-80)	-	130 (65-195)	-	-	-	-
TS3	NF/NS-EB45	0.004-0.006	0.004-0.008	0.004-0.012	0.008-0.024	65 (50-80)	-	130 (65-195)	-	-	-	-
TS4	NF/NS-EB45	0.004-0.006	0.004-0.008	0.004-0.012	0.008-0.024	65 (50-80)	-	130 (65-195)	-	-	-	-
TP1	NF/NS-EB45	0.004-0.006	0.004-0.008	0.004-0.012	0.008-0.024	65 (50-80)	-	130 (65-195)	-	-	-	-
TP2	NF/NS-EB45	0.004-0.006	0.004-0.008	0.004-0.012	0.008-0.024	65 (50-80)	-	130 (65-195)	-	-	-	-
TP3	NF/NS-EB45	0.004-0.006	0.004-0.008	0.004-0.012	0.008-0.024	65 (50-80)	-	130 (65-195)	-	-	-	-
TP4	NF/NS-EB45	0.004-0.006	0.004-0.008	0.004-0.012	0.008-0.024	65 (50-80)	-	130 (65-195)	-	-	-	-
GR1	NF/NS-EB45	0.004-0.006	0.004-0.008	0.004-0.012	0.008-0.024	130 (65-260)	-	195 (100-395)	-	-	-	-

SMG = Seco malzeme grubu

a_p = inç

f = in/dev

v_c = sf/dak

Tüm kesme verileri başlangıç değerleridir

Kesme verileri – NF/NS...-EB845 Metrik

SMG		a _p (°)		f		v _c						
		z=4	z=6	z=4	z=6	H15	CP20	RX2000	RK2050	RM2020	RM2090	RS2090
P3	NF/NS-EB845	0,10 -0,15	0,1 -0,20	0,10 -0,30	0,20 -0,60	-	60 (30-100)	80 (30-150)	-	-	-	-
P4	NF/NS-EB845	0,10 -0,15	0,1 -0,20	0,10 -0,20	0,20 -0,50	-	50 (30-80)	60 (30-120)	-	-	-	-
P5	NF/NS-EB845	0,10 -0,15	0,1 -0,20	0,10 -0,20	0,20 -0,50	20 (10-25)	50 (30-80)	60 (30-120)	-	-	-	-
P6	NF/NS-EB845	0,10 -0,15	0,1 -0,20	0,10 -0,20	0,20 -0,50	20 (10-25)	50 (30-80)	60 (30-120)	-	-	-	-
P7	NF/NS-EB845	0,10 -0,15	0,1 -0,20	0,10 -0,20	0,20 -0,50	20 (10-25)	50 (30-80)	60 (30-120)	-	-	-	-
P8	NF/NS-EB845	0,10 -0,15	0,1 -0,20	0,10 -0,20	0,20 -0,50	15 (10-20)	35 (20-60)	40 (20-80)	-	-	-	-
P11	NF/NS-EB845	0,10 -0,15	0,1 -0,20	0,10 -0,20	0,20 -0,50	15 (10-20)	35 (20-60)	40 (20-80)	-	-	-	-
P12	NF/NS-EB845	0,10 -0,15	0,1 -0,20	0,10 -0,20	0,20 -0,50	12 (8-15)	25 (15-45)	30 (15-65)	-	-	-	-
M1	NF/NS-EB845	0,08 -0,15	0,10 -0,15	0,10 -0,20	0,20 -0,50	12 (9-15)	25 (15-45)	35 (20-60)	-	25 (15-40)	40 (20-60)	-
M2	NF/NS-EB845	0,08 -0,15	0,10 -0,15	0,10 -0,20	0,20 -0,50	-	25 (15-45)	35 (20-60)	-	25 (15-40)	40 (20-60)	-
M3	NF/NS-EB845	0,08 -0,15	0,10 -0,15	0,10 -0,20	0,20 -0,50	-	25 (15-45)	35 (20-60)	-	25 (15-40)	40 (20-60)	-
M4	NF/NS-EB845	0,08 -0,15	0,10 -0,15	0,10 -0,20	0,20 -0,50	-	20 (10-30)	25 (15-40)	-	25 (10-30)	30 (15-40)	-
M5	NF/NS-EB845	0,08 -0,15	0,10 -0,15	0,10 -0,20	0,20 -0,50	-	20 (10-30)	25 (15-40)	-	25 (10-30)	30 (15-40)	-
K1	NF/NS-EB845	0,10 -0,20	0,10 -0,25	0,10 -0,30	0,20 -0,60	25 (15-30)	60 (40-100)	80 (30-150)	90 (35-170)	-	-	-
K2	NF/NS-EB845	0,10 -0,20	0,10 -0,25	0,10 -0,30	0,20 -0,60	-	25 (20-40)	40 (30-70)	45 (35-80)	-	-	-
K3	NF/NS-EB845	0,10 -0,20	0,10 -0,25	0,10 -0,30	0,20 -0,60	25 (15-30)	60 (40-100)	80 (30-150)	90 (35-170)	-	-	-
K4	NF/NS-EB845	0,10 -0,20	0,10 -0,25	0,10 -0,30	0,20 -0,60	25 (15-30)	45 (30-70)	70 (40-120)	80 (30-150)	-	-	-
K5	NF/NS-EB845	0,10 -0,20	0,10 -0,25	0,10 -0,30	0,20 -0,60	25 (15-30)	45 (30-70)	70 (40-120)	80 (45-135)	-	-	-
K6	NF/NS-EB845	0,10 -0,20	0,10 -0,25	0,10 -0,30	0,20 -0,60	-	60 (40-100)	80 (30-150)	90 (35-170)	-	-	-
K7	NF/NS-EB845	0,10 -0,20	0,10 -0,25	0,10 -0,30	0,20 -0,60	-	60 (40-100)	80 (30-150)	90 (35-170)	-	-	-
S1	NF/NS-EB845	0,08 -0,15	0,10 -0,15	0,10 -0,20	0,20- 0,30	-	15 (8-20)	20 (10-25)	-	-	-	20 (10-25)
S2	NF/NS-EB845	0,08 -0,15	0,10 -0,15	0,10 -0,20	0,20- 0,30	-	15 (8-20)	20 (10-25)	-	-	-	20 (10-25)
S3	NF/NS-EB845	0,08 -0,15	0,10 -0,15	0,10 -0,20	0,20- 0,30	-	15 (8-20)	20 (10-25)	-	-	-	25 (10-25)
S11	NF/NS-EB845	0,08 -0,15	0,10 -0,15	0,10 -0,20	0,20- 0,30	20 (15-30)	30 (15-40)	40 (20-50)	-	-	-	30 (20-50)
S12	NF/NS-EB845	0,08 -0,15	0,10 -0,15	0,10 -0,20	0,20- 0,30	20 (15-30)	30 (15-40)	40 (20-50)	-	-	-	30 (20-50)
S13	NF/NS-EB845	0,08 -0,15	0,10 -0,15	0,10 -0,20	0,20- 0,30	20 (15-30)	30 (15-40)	40 (20-50)	-	-	-	30 (20-50)
H3	NF/NS-EB845	0,08 -0,15	0,10 -0,15	0,10 -0,20	0,20- 0,30	-	-	10 (8-15)	-	-	-	-
H5	NF/NS-EB845	0,08 -0,15	0,10 -0,15	0,10 -0,20	0,20- 0,30	-	-	10 (8-15)	-	-	-	-
H7	NF/NS-EB845	0,08 -0,15	0,10 -0,15	0,10 -0,20	0,20- 0,30	-	-	10 (8-15)	-	-	-	-
H8	NF/NS-EB845	0,08 -0,15	0,10 -0,15	0,10 -0,20	0,20- 0,30	-	-	10 (8-15)	-	-	-	-
H11	NF/NS-EB845	0,08 -0,15	0,10 -0,15	0,10 -0,20	0,20- 0,30	-	-	10 (8-15)	-	-	-	-
H12	NF/NS-EB845	0,08 -0,15	0,10 -0,15	0,10 -0,20	0,20- 0,30	-	-	10 (8-15)	-	-	-	-
H21	NF/NS-EB845	0,08 -0,15	0,10 -0,15	0,10 -0,20	0,20- 0,30	-	-	10 (8-15)	-	-	-	-
H31	NF/NS-EB845	0,08 -0,15	0,10 -0,15	0,10 -0,20	0,20- 0,30	-	-	10 (8-15)	-	-	-	-
PM1	NF/NS-EB845	0,10 -0,15	0,1 -0,20	0,10 -0,20	0,20 -0,50	-	50 (30-80)	70 (40-100)	-	-	-	-
PM2	NF/NS-EB845	0,10 -0,15	0,1 -0,20	0,10 -0,20	0,20 -0,50	-	50 (30-80)	70 (40-100)	-	-	-	-
PM3	NF/NS-EB845	0,10 -0,15	0,1 -0,20	0,10 -0,20	0,20 -0,50	-	50 (30-80)	70 (40-100)	-	-	-	-

SMG = Seco malzeme grubu
a_p = mm
f = mm/dev
v_c = m/dak
Tüm kesme verileri başlangıç değerleridir

Kesme verileri – NF/NS...-EB845 inç

SMG		a _p (°)		f		v _c						
		z=4	z=6	z=4	z=6	H15	CP20	RX2000	RK2050	RM2020	RM2090	RS2090
P3	NF/NS-EB845	0.004 -0.006	0.004 -0.008	0.004 -0.012	0.008 -0.024	-	195 (100-330)	260 (100-490)	-	-	-	-
P4	NF/NS-EB845	0.004 -0.006	0.004 -0.008	0.004 -0.008	0.008 -0.020	-	165 (100-260)	195 (100-395)	-	-	-	-
P5	NF/NS-EB845	0.004 -0.006	0.004 -0.008	0.004 -0.008	0.008 -0.020	65 (35-80)	165 (100-260)	195 (100-395)	-	-	-	-
P6	NF/NS-EB845	0.004 -0.006	0.004 -0.008	0.004 -0.008	0.008 -0.020	65 (35-80)	165 (100-260)	195 (100-395)	-	-	-	-
P7	NF/NS-EB845	0.004 -0.006	0.004 -0.008	0.004 -0.008	0.008 -0.020	65 (35-80)	165 (100-260)	195 (100-395)	-	-	-	-
P8	NF/NS-EB845	0.004 -0.006	0.004 -0.008	0.004 -0.008	0.008 -0.020	50 (35-65)	115 (65-195)	130 (65-260)	-	-	-	-
P11	NF/NS-EB845	0.004 -0.006	0.004 -0.008	0.004 -0.008	0.008 -0.020	50 (35-65)	115 (65-195)	130 (65-260)	-	-	-	-
P12	NF/NS-EB845	0.004 -0.006	0.004 -0.008	0.004 -0.008	0.008 -0.020	40 (25-50)	80 (50-150)	100 (50-125)	-	-	-	-
M1	NF/NS-EB845	0.003 -0.006	0.004 -0.006	0.004 -0.008	0.008 -0.02	40 (30-50)	80 (50-150)	115 (65-200)	-	80 (50-130)	130 (65-195)	-
M2	NF/NS-EB845	0.003 -0.006	0.004 -0.006	0.004 -0.008	0.008 -0.02	-	80 (50-150)	115 (65-200)	-	80 (50-130)	130 (65-195)	-
M3	NF/NS-EB845	0.003 -0.006	0.004 -0.006	0.004 -0.008	0.008 -0.02	-	80 (50-150)	115 (65-200)	-	80 (50-130)	130 (65-195)	-
M4	NF/NS-EB845	0.003 -0.006	0.004 -0.006	0.004 -0.008	0.008 -0.02	-	65 (30-100)	80 (50-135)	-	80 (35-100)	100 (50-130)	-
M5	NF/NS-EB845	0.003 -0.006	0.004 -0.006	0.004 -0.008	0.008 -0.02	-	65 (30-100)	80 (50-135)	-	80 (35-100)	100 (50-130)	-
K1	NF/NS-EB845	0.004 -0.008	0.004 -0.010	0.004 -0.012	0.008 -0.024	80 (50-100)	195 (130-330)	260 (100-490)	290 (110-550)	-	-	-
K2	NF/NS-EB845	0.004 -0.008	0.004 -0.010	0.004 -0.012	0.008 -0.024	-	80 (65-130)	130 (100-230)	145 (110-260)	-	-	-
K3	NF/NS-EB845	0.004 -0.008	0.004 -0.010	0.004 -0.012	0.008 -0.024	80 (50-100)	195 (130-330)	260 (100-490)	290 (110-550)	-	-	-
K4	NF/NS-EB845	0.004 -0.008	0.004 -0.010	0.004 -0.012	0.008 -0.024	80 (50-100)	150 (100-330)	230 (130-395)	260 (145-440)	-	-	-
K5	NF/NS-EB845	0.004 -0.008	0.004 -0.010	0.004 -0.012	0.008 -0.024	80 (50-100)	150 (100-330)	230 (130-395)	260 (145-440)	-	-	-
K6	NF/NS-EB845	0.004 -0.008	0.004 -0.010	0.004 -0.012	0.008 -0.024	-	195 (130-330)	260 (100-490)	290 (110-550)	-	-	-
K7	NF/NS-EB845	0.004 -0.008	0.004 -0.010	0.004 -0.012	0.008 -0.024	-	195 (130-330)	260 (100-490)	290 (110-550)	-	-	-
S1	NF/NS-EB845	0.003 -0.006	0.004 -0.006	0.004 -0.008	0.008 -0.012	-	50 (25-65)	65 (35-80)	-	-	-	65 (35-80)
S2	NF/NS-EB845	0.003 -0.006	0.004 -0.006	0.004 -0.008	0.008 -0.012	-	50 (25-65)	65 (35-80)	-	-	-	65 (35-80)
S3	NF/NS-EB845	0.003 -0.006	0.004 -0.006	0.004 -0.008	0.008 -0.012	-	50 (25-65)	65 (35-80)	-	-	-	65 (35-80)
S11	NF/NS-EB845	0.003 -0.006	0.004 -0.006	0.004 -0.008	0.008 -0.012	65 (50-100)	100 (50-130)	130 (65-165)	-	-	-	100 (65-165)
S12	NF/NS-EB845	0.003 -0.006	0.004 -0.006	0.004 -0.008	0.008 -0.012	65 (50-100)	100 (50-130)	130 (65-165)	-	-	-	100 (65-165)
S13	NF/NS-EB845	0.003 -0.006	0.004 -0.006	0.004 -0.008	0.008 -0.012	65 (50-100)	100 (50-130)	130 (65-165)	-	-	-	100 (65-165)
H3	NF/NS-EB845	0.003 -0.006	0.004 -0.006	0.004 -0.008	0.008 -0.012	-	-	35 (25-50)	-	-	-	-
H5	NF/NS-EB845	0.003 -0.006	0.004 -0.006	0.004 -0.008	0.008 -0.012	-	-	35 (25-50)	-	-	-	-
H7	NF/NS-EB845	0.003 -0.006	0.004 -0.006	0.004 -0.008	0.008 -0.012	-	-	35 (25-50)	-	-	-	-
H8	NF/NS-EB845	0.003 -0.006	0.004 -0.006	0.004 -0.008	0.008 -0.012	-	-	35 (25-50)	-	-	-	-
H11	NF/NS-EB845	0.003 -0.006	0.004 -0.006	0.004 -0.008	0.008 -0.012	-	-	35 (25-50)	-	-	-	-
H12	NF/NS-EB845	0.003 -0.006	0.004 -0.006	0.004 -0.008	0.008 -0.012	-	-	35 (25-50)	-	-	-	-
H21	NF/NS-EB845	0.003 -0.006	0.004 -0.006	0.004 -0.008	0.008 -0.012	-	-	35 (25-50)	-	-	-	-
H31	NF/NS-EB845	0.003 -0.006	0.004 -0.006	0.004 -0.008	0.008 -0.012	-	-	35 (25-50)	-	-	-	-
PM1	NF/NS-EB845	0.004 -0.006	0.004 -0.008	0.004 -0.008	0.008 -0.020	-	165 (100-260)	230 (130-350)	-	-	-	-
PM2	NF/NS-EB845	0.004 -0.006	0.004 -0.008	0.004 -0.008	0.008 -0.020	-	165 (100-260)	230 (130-350)	-	-	-	-
PM3	NF/NS-EB845	0.004 -0.006	0.004 -0.008	0.004 -0.008	0.008 -0.020	-	165 (100-260)	230 (130-350)	-	-	-	-

SMG = Seco malzeme grubu

a_p = inç

f = in/dev

v_c = sf/dak

Tüm kesme verileri başlangıç değerleridir

Kesme verileri – NF/NS...-EB25/EB30 Metrik

SMG		a_p (°)		f		v_c			
		z=4	z=6	z=4	z=6	H15	CP20	RX2000	RK2050
P1	NF/NS-EB25/EB30	0,10-0,15	0,1-0,20	0,3-0,9	0,5-1,2	25 (15-30)	60 (30-100)	80 (30-150)	-
P2	NF/NS-EB25/EB30	0,10-0,15	0,1-0,20	0,3-0,9	0,5-1,2	25 (15-30)	60 (30-100)	80 (30-150)	-
P3	NF/NS-EB25/EB30	0,10-0,15	0,1-0,20	0,3-0,9	0,5-1,2	25 (15-30)	60 (30-100)	80 (30-150)	-
P4	NF/NS-EB25/EB30	0,10-0,15	0,1-0,20	0,3-0,7	0,5-1	20 (10-25)	50 (30-80)	60 (30-120)	-
P5	NF/NS-EB25/EB30	0,10-0,15	0,1-0,20	0,3-0,7	0,5-1	20 (10-25)	50 (30-80)	60 (30-120)	-
P6	NF/NS-EB25/EB30	0,10-0,15	0,1-0,20	0,3-0,7	0,5-1	20 (10-25)	50 (30-80)	60 (30-120)	-
P7	NF/NS-EB25/EB30	0,10-0,15	0,1-0,20	0,3-0,7	0,5-1	20 (10-25)	50 (30-80)	60 (30-120)	-
M1	NF/NS-EB25/EB30	0,08-0,15	0,10-0,15	0,3-0,7	0,5-1	-	25 (15-40)	35 (20-60)	-
K1	NF/NS-EB25/EB30	0,10-0,20	0,10-0,25	0,3-0,9	0,5-1,2	25 (15-30)	60 (40-100)	80 (30-150)	90 (35-170)
K2	NF/NS-EB25/EB30	0,10-0,20	0,10-0,25	0,3-0,9	0,5-1,2	-	25 (20-40)	40 (30-70)	45 (35-80)
K3	NF/NS-EB25/EB30	0,10-0,20	0,10-0,25	0,3-0,9	0,5-1,2	25 (15-30)	60 (40-100)	80 (30-150)	90 (35-170)
K4	NF/NS-EB25/EB30	0,10-0,20	0,10-0,25	0,3-0,9	0,5-1,2	25 (15-30)	45 (30-70)	70 (40-120)	80 (45-135)
K5	NF/NS-EB25/EB30	0,10-0,20	0,10-0,25	0,3-0,9	0,5-1,2	25 (15-30)	45 (30-70)	70 (40-120)	80 (45-135)
K6	NF/NS-EB25/EB30	0,10-0,20	0,10-0,25	0,3-0,9	0,5-1,2	-	60 (40-100)	80 (30-150)	90 (35-170)
K7	NF/NS-EB25/EB30	0,10-0,20	0,10-0,25	0,3-0,9	0,5-1,2	-	60 (40-100)	80 (30-150)	90 (35-170)
N1	NF/NS-EB25/EB30	0,10-0,20	0,10-0,30	0,3-0,9	0,5-1,2	50 (20-80)	-	-	-
N2	NF/NS-EB25/EB30	0,10-0,20	0,10-0,30	0,3-0,9	0,5-1,2	50 (20-80)	-	-	-
N3	NF/NS-EB25/EB30	0,10-0,20	0,10-0,30	0,3-0,9	0,5-1,2	50 (20-80)	-	-	-
N11	NF/NS-EB25/EB30	0,10-0,20	0,10-0,30	0,3-0,9	0,5-1,2	50 (20-80)	-	-	-
PM1	NF/NS-EB25/EB30	0,10-0,15	0,1-0,20	0,3-0,9	0,5-1,2	-	50 (30-80)	70 (40-100)	-
PM2	NF/NS-EB25/EB30	0,10-0,15	0,1-0,20	0,3-0,9	0,5-1,2	-	50 (30-80)	70 (40-100)	-
PM3	NF/NS-EB25/EB30	0,10-0,15	0,1-0,20	0,3-0,9	0,5-1,2	-	50 (30-80)	70 (40-100)	-

SMG = Seco malzeme grubu

 a_p = mm

f = mm/dev

 v_c = m/dak

Tüm kesme verileri başlangıç değerleridir

Kesme verileri – EB25/EB30 inç

SMG		a_p (Ø)		f		v_c			
		z=4	z=6	z=4	z=6	H15	CP20	RX2000	RK2050
P1	NF/NS-EB25/EB30	0.004-0.006	0.004-0.008	0.012-0.035	0.020-0.047	80 (50-100)	195 (100-330)	260 (100-490)	-
P2	NF/NS-EB25/EB30	0.004-0.006	0.004-0.008	0.012-0.035	0.020-0.047	80 (50-100)	195 (100-330)	260 (100-490)	-
P3	NF/NS-EB25/EB30	0.004-0.006	0.004-0.008	0.012-0.035	0.020-0.047	80 (50-100)	195 (100-330)	260 (100-490)	-
P4	NF/NS-EB25/EB30	0.004-0.006	0.004-0.008	0.012-0.028	0.020-0.039	65 (35-80)	165 (100-265)	195 (100-395)	-
P5	NF/NS-EB25/EB30	0.004-0.006	0.004-0.008	0.012-0.028	0.020-0.039	65 (35-80)	165 (100-265)	195 (100-395)	-
P6	NF/NS-EB25/EB30	0.004-0.006	0.004-0.008	0.012-0.028	0.020-0.039	65 (35-80)	165 (100-265)	195 (100-395)	-
P7	NF/NS-EB25/EB30	0.004-0.006	0.004-0.008	0.012-0.028	0.020-0.039	65 (35-80)	165 (100-265)	195 (100-395)	-
M1	NF/NS-EB25/EB30	0.003-0.006	0.004-0.006	0.012-0.028	0.020-0.039	-	80 (50-130)	115 (65-195)	-
K1	NF/NS-EB25/EB30	0.004-0.008	0.004-0.010	0.012-0.035	0.020-0.047	80 (50-100)	195 (130-330)	260 (100-490)	290 (110-550)
K2	NF/NS-EB25/EB30	0.004-0.008	0.004-0.010	0.012-0.035	0.020-0.047	-	80 (65-130)	130 (100-230)	145 (110-260)
K3	NF/NS-EB25/EB30	0.004-0.008	0.004-0.010	0.012-0.035	0.020-0.047	80 (50-100)	195 (130-330)	260 (100-490)	290 (110-550)
K4	NF/NS-EB25/EB30	0.004-0.008	0.004-0.010	0.012-0.035	0.020-0.047	80 (50-100)	150 (100-230)	230 (130-395)	260 (145-440)
K5	NF/NS-EB25/EB30	0.004-0.008	0.004-0.010	0.012-0.035	0.020-0.047	80 (50-100)	150 (100-230)	230 (130-395)	260 (145-440)
K6	NF/NS-EB25/EB30	0.004-0.008	0.004-0.010	0.012-0.035	0.020-0.047	-	195 (130-330)	260 (100-490)	290 (110-550)
K7	NF/NS-EB25/EB30	0.004-0.008	0.004-0.010	0.012-0.035	0.020-0.047	-	195 (130-330)	260 (100-490)	290 (110-550)
N1	NF/NS-EB25/EB30	0.004-0.787	0.004-0.012	0.012-0.035	0.020-0.047	165 (65-265)	-	-	-
N2	NF/NS-EB25/EB30	0.004-0.787	0.004-0.012	0.012-0.035	0.020-0.047	165 (65-265)	-	-	-
N3	NF/NS-EB25/EB30	0.004-0.787	0.004-0.012	0.012-0.035	0.020-0.047	165 (65-265)	-	-	-
N11	NF/NS-EB25/EB30	0.004-0.787	0.004-0.012	0.012-0.035	0.020-0.047	165 (65-265)	-	-	-
PM1	NF/NS-EB25/EB30	0.004-0.006	0.004-0.008	0.012-0.035	0.020-0.047	-	165 (100-265)	230 (130-330)	-
PM2	NF/NS-EB25/EB30	0.004-0.006	0.004-0.008	0.012-0.035	0.020-0.047	-	165 (100-265)	230 (130-330)	-
PM3	NF/NS-EB25/EB30	0.004-0.006	0.004-0.008	0.012-0.035	0.020-0.047	-	165 (100-265)	230 (130-330)	-

SMG = Seco malzeme grubu

a_p = inç

f = in/dev

v_c = sf/dak

Tüm kesme verileri başlangıç değerleridir

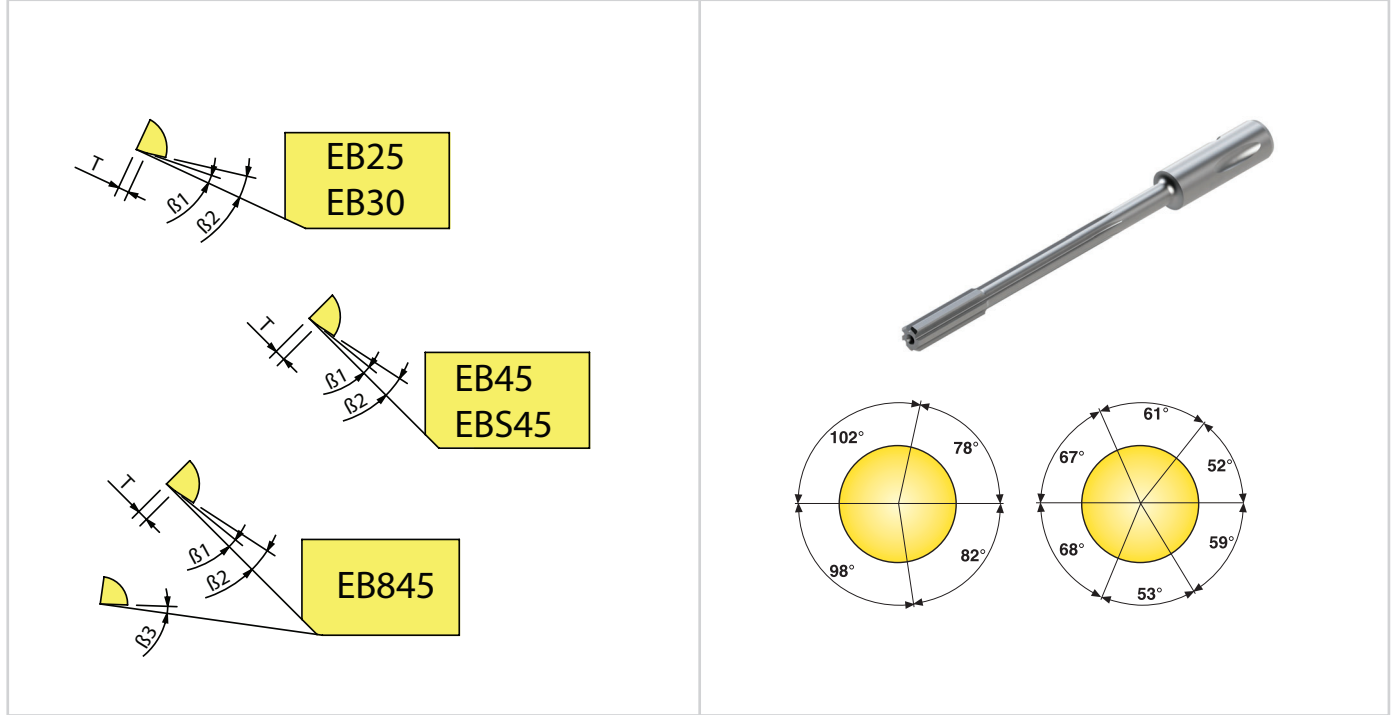
Tekrar bileme talimatları

Özellikler

Elmas bileme taşı
Tanecik ebadı:
D6 – 1. boşluk açısı için ($\beta_1 - \beta_3$)
D64 – 2. boşluk açısı için (β_2)

Önemli

Tekrar bileme işlemi raybanın çapını düşürür.
Tekrar kaplama çapı büyütebilir.
Giriş pahındaki salgı maksimum 10 μm (394 μin).



\varnothing Nanofix mm (inç)	β_1	β_2	β_3	T mm (inç)
2,97-9,999 (0,1169-0,3936)	8°	25°	10°	0,15 (0,006)
10,12-12,050 (0,3937-0,4744)	8°	25°	10°	0,15 (0,006)



Bifix®

Bifix® değiştirilebilir uçlu raybalar tüm iş parçası malzeme gruplarına yüksek hassasiyetli performans sağlar

- 8 ile 16 µm arasında toleranslar ve Ra 0,25 (RMS 12 mikro/inç) yüzey kalitesi sağlar
- Değiştirilebilir uçlar lama başına iki kesme kenarına sahiptir
- Üç sermet kılavuz pedi ve hassas bir ayarlama sistemi mevcuttur

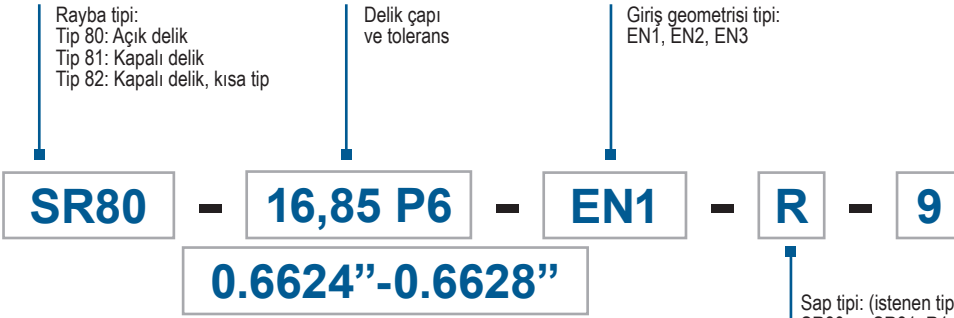
Ürünlere genel bakış

	Ø Aralığı	Raybalama derinliği	Matkap Ø toleransı	Ara çaplar	Yüzey kalitesi
SR80 Açık delikler için 	6,875-60,500 mm (0.2707-2.3819")	5-7 x D	IT 6	Evet, Özel Tasarım olarak mevcut	R _a 0,2-0,8 µm (R _a 8-31 µin)
SR81 Kapalı delikler için 	7,875-60,500 mm (0.3100-2.3819")	5-7 x D	IT 6-7	Evet, Özel Tasarım olarak mevcut	R _a 0,2-0,8 µm (R _a 8-31 µin)
SR82 Kapalı delikler için kısa tip 	7,875-60,500 mm (0.3100-2.3819")	3-5 x D	IT 6-7	Evet, Özel Tasarım olarak mevcut	R _a 0,2-0,8 µm (R _a 8-31 µin)

Kodlama anahtarları

Raybalar

Rayba tipi:
Tip 80: Açık delik
Tip 81: Kapalı delik
Tip 82: Kapalı delik, kısa tip



Sap tipi: (istenen tip standart değilse belirtilecektir)
SR80 ve SR81: R1 düz kesimi olmayanı standarttır
SR82: R9-düz kesimi olanı standarttır

Lamalar

Önemli:
Rayba ve rayba ucu aynı giriş geometrisine sahip olmalıdır.



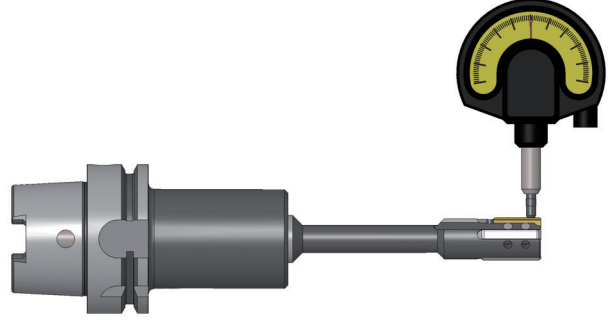
Ayar ve işleme verileri

Dönen takım

Tavsiye edilen maks. salgı: 0,02 mm (0,0008 inç).
Hassas tutucu tavsiye edilir: Hidrolik tutucular, D-tipi pens tutucular, 5672 pens tutucular veya Shrinkfit.

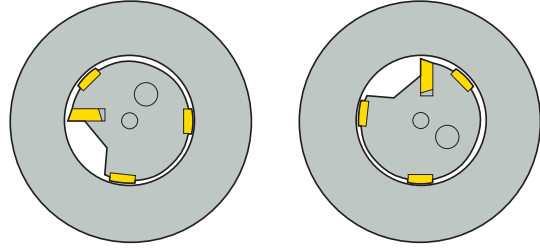
Sabit takım

Seco yüzer tutucu kullanın, bkz. sayfa 480-484.



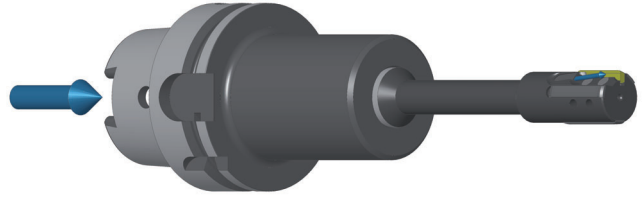
En iyi talaş boşaltma için

Sabit takımlar için tavsiye edilen lama pozisyonu (resme bakın, takımın önden görünümü).



Soğutma sıvısı gereksinimleri

Maksimum takım ömrü ve delik kalitesi için soğutma sıvısı gereksinimlerine uyulmalıdır.
Takımın içinden soğutma tavsiye edilir. Raybalama derinliği $< 2 \times D$ ise dıştan soğutma kullanılabilir.
En az %40 mineral yağ içeren kaliteli çözülebilir yağ kullanılmalıdır.
Paslanmaz çelik için temiz yağ tavsiye edilir.
Filtreleme 30 - 50 μm (1200 - 2000 μin).
Takım çapında min. 0,5 l/dak/mm (3,35 gal/dak/inç) hacim.
Ör.: \emptyset 10 rayba, min. hacim 5 l/dak (1,3 gal/dak).



Ayar fikstürü

SF-60200-C160C190: Parça No. 02885396

- Yatay gövde
- \emptyset 60 mm'den (2,362 inç) küçük raybalar için ilk tercih
- 2 ayar saati
- Maksimum takım \emptyset : 60,5 mm (2,382 inç)
- Maksimum takım boyu: 200 mm (7,784 inç)



Geometri seçimi - Uçlar

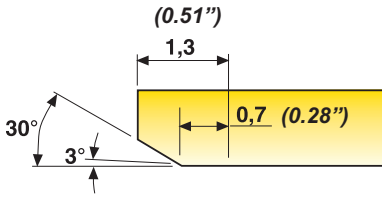
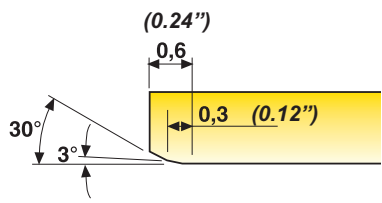
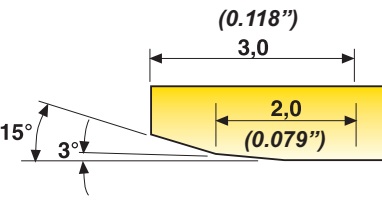
Rayba ve rayba ucunun aynı giriş geometrisine sahip olması gerektiğine dikkat edin.

Kalite ve boşluk açısını seçmek için 413415. sayfadaki kesme verisi tavsiyelerini kullanın.

Kalite ve boşluk açısı

İş parçası malzemesinin SMG'de sınıflandırmak için 666-672 sayfada başlayan tabloları kullanın.

Uç programı için bkz. sayfa 411, 412.

EN1 – Uygulama	
<p>0,5 mm (0,020 inç) çapta maksimum işleme payı Yüzey Kalitesi + R_a 0,3 - 0,8 μm (Yüzey Kalitesi + R_a 12 - 31 μin)</p>	
EN2 – Kısa giriş açısı	
<p>0,3 mm (0,012 inç) çapta maksimum işleme payı Yüzey Kalitesi + R_a 0,4 - 1,2 μm (Yüzey Kalitesi + R_a 16 - 47 μin) Maksimum ilerleme oranı 0,2 mm/dev (0,008 inç/dev). Sadece kısa giriş açısı istendiği zaman kullanılır Dip kesme için tasarlanmıştır</p>	
EN3 – Çok iyi yüzey kalitesi	
<p>0,5 mm (0,020 inç) çapta maksimum işleme payı Yüzey Kalitesi + R_a 0,2 - 0,6 μm (Yüzey Kalitesi + R_a 8 - 24 μin) Alüminyum hariç tüm malzemeler için uygundur $R_a < 0,3-0,4 \mu$m (12 - 16 μin) olması gerektiği durumlarda kullanılır</p>	

Optimizasyon/Kaliteler

Daha yüksek üretkenlik veya daha iyi güvenlik için alternatif uçlar seçmek üzere uç seçim tablosunu kullanabilirsiniz.

Uç seçimi

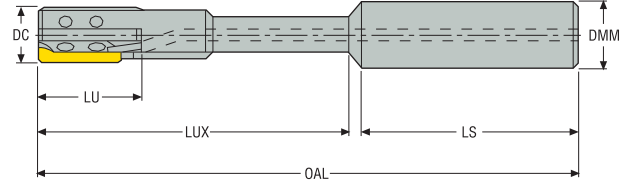
Uç ebadı	Çelik	Paslanmaz çelik	Dökme demir	Demir içermeyen	Alüminyum	Aşınmaya direnci ↔ Tokluk			Ürün Tanımı	
						Üretkenlik	Çok yönlülük	Aşınma direnci	Uç	Kalite
P0, P1, P2, P4										
			•	•				X	Pxx-ENx-00	H15
	•		•		•			X	Pxx-ENx-06	H15
		•		•	•			X	Pxx-ENx-12	H15
	•					X			Pxx-ENx-00	CP20
	•		•				X		Pxx-ENx-06	CP20
	•	•					X		Pxx-ENx-12	CP20
	•		•			X			Pxx-ENx-00	CP15
	•		•			X			Pxx-ENx-06	CP15
•	•		•	•	X			Pxx-ENx-12	CP15	

Kaliteler

	CP15	Kaplamalı CP20 'ye alternatif aşınmaya dirençli kaplamalı kalite. Dökme demirde ve çelikte performans iyileştirmesi için. Demir olmayan malzemeler için de uygundur. Ti(C, N)
	CP20	Kaplamalı Alüminyum hariç hemen her malzemeye uygun çok amaçlı bir kalite. TiN
	H15	Kaplamasız Tüm malzemeler için mikro tanecikli tok bir kalitedir. Son derece mükemmel kenar keskinliği sayesinde hassas raybalama işlemleri için uygundur.

Açık delikler için Ø 7H6-26H6

Sap tipi R1, Düz kesimsiz silindirik sap, SR80



- Uç bilgisi için bakınız sayfa 411, 412
- İçten soğutma sıvısı

Ürün Tanımı	DC	OAL	LS	LUX	LU	DMM	Uç ebadı
	mm	mm	mm	mm	mm	mm	
SR80-7H6-EN1	7	105	40	63	25	10	P0-EN1-xx
SR80-8H6-EN1	8	115	40	73	25	10	P0-EN1-xx
SR80-9H6-EN1	9	115	40	73	25	10	P1-EN1-xx
SR80-10H6-EN1	10	115	40	74	25	10	P1-EN1-xx
SR80-11H6-EN1	11	133	48	81	25	16	P1-EN1-xx
SR80-12H6-EN1	12	133	48	81	25	16	P1-EN1-xx
SR80-13H6-EN1	13	133	48	81	25	16	P2-EN1-xx
SR80-14H6-EN1	14	133	48	81	25	16	P2-EN1-xx
SR80-15H6-EN1	15	133	48	82	25	16	P2-EN1-xx
SR80-16H6-EN1	16	133	48	82	25	16	P2-EN1-xx
SR80-17H6-EN1	17	155	50	100	25	20	P2-EN1-xx
SR80-18H6-EN1	18	155	50	100	25	20	P2-EN1-xx
SR80-19H6-EN1	19	155	50	100	25	20	P2-EN1-xx
SR80-20H6-EN1	20	155	50	100	30	20	P4-EN1-xx
SR80-21H6-EN1	21	191	56	128	30	25	P4-EN1-xx
SR80-22H6-EN1	22	191	56	129	30	25	P4-EN1-xx
SR80-23H6-EN1	23	191	56	129	30	25	P4-EN1-xx
SR80-24H6-EN1	24	191	56	129	30	25	P4-EN1-xx
SR80-25H6-EN1	25	191	56	129	30	25	P4-EN1-xx
SR80-26H6-EN1	26	191	56	129	30	25	P4-EN1-xx

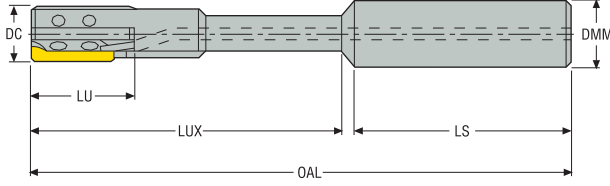
Yedek parçalar

Şu Ø (mm)	Ayar vidası	Sıkma	Sıkma vidası	Ayar anahtarı	Uç destek bilyesi	Tork anahtarı*	Tork değeri
7-8	SH2020	SR-B0	LH2040	0.9SMS795	BB1.5	-	-
9	SH2025	SR-B1	LH2540	1.3SMS795	BB2.0	H00-1305	0,5 Nm
10-12	SH2525	SR-B2	LH2540	1.3SMS795	BB2.0	H00-1305	0,5 Nm
13-19	SH2540	SR-B3	LH3050	1.5SMS795	BB2.5	H00-1509	0,9 Nm
20-60	SH3060	SR-B5	LH4010	2SMS795	BB3.0	H00-2020	2,0 Nm

*Tork anahtarı, çubuk dahil

Açık delikler için Ø 27H6–60H6

Sap tipi R1, Düz kesimsiz silindirik sap, SR80



- Uç bilgisi için bakınız sayfa 411, 412
- İçten soğutma sıvısı

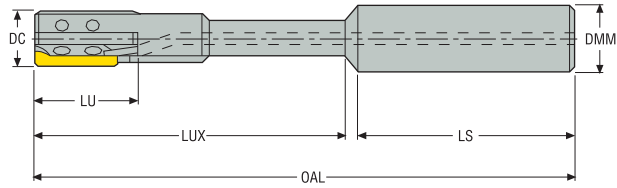
Ürün Tanımı	DC	OAL	LS	LUX	LU	DMM	Uç ebadı
	mm	mm	mm	mm	mm	mm	
SR80-27H6-EN1	27	221	56	159	30	25	P4-EN1-xx
SR80-28H6-EN1	28	221	56	159	30	25	P4-EN1-xx
SR80-29H6-EN1	29	221	56	159	30	25	P4-EN1-xx
SR80-30H6-EN1	30	221	56	159	30	25	P4-EN1-xx
SR80-31H6-EN1	31	221	56	160	30	25	P4-EN1-xx
SR80-32H6-EN1	32	221	56	160	30	25	P4-EN1-xx
SR80-34H6-EN1	34	226	56	165	30	25	P4-EN1-xx
SR80-35H6-EN1	35	226	56	165	30	25	P4-EN1-xx
SR80-36H6-EN1	36	226	56	166	30	25	P4-EN1-xx
SR80-38H6-EN1	38	226	56	166	30	25	P4-EN1-xx
SR80-40H6-EN1	40	226	56	166	30	25	P4-EN1-xx
SR80-42H6-EN1	42	226	56	167	30	25	P4-EN1-xx
SR80-44H6-EN1	44	226	56	167	30	25	P4-EN1-xx
SR80-48H6-EN1	48	226	56	168	30	25	P4-EN1-xx
SR80-50H6-EN1	50	226	56	168	30	25	P4-EN1-xx
SR80-52H6-EN1	52	226	56	169	30	25	P4-EN1-xx
SR80-54H6-EN1	54	226	56	169	30	25	P4-EN1-xx
SR80-58H6-EN1	58	226	56	169	30	25	P4-EN1-xx
SR80-60H6-EN1	60	226	56	169	30	25	P4-EN1-xx

Yedek parçalar

Şu Ø (mm)	Ayar vidası	Sıkma	Sıkma vidası	Ayar anahtarı	Uç destek bilyesi	Tork anahtarı*	Tork değeri
20-60	SH4060	SR-B5	LH4010	2SMS795	BB3.0	H00-2020	2,0 Nm

Açık delikler için – Ara çaplar

Sap tipi R1, Düz kesimsiz silindirik sap, SR80



- Uç bilgisi için bakınız sayfa 411, 412
- Önemli! Rayba ve rayba ucu aynı giriş geometrisine sahip olmalıdır
- Giriş geometrisi EN1, EN2 veya EN3 bakınız sayfa 402

Ürün Tanımı	DC	OAL	LS	LUX	LU	DMM	Uç ebadı
	mm	mm	mm	mm	mm	mm	
SR80-6.875-XX-XXXX-EN	6,875 - 7,874	105,0	40,0	63,0	15,0	10,0	P0-EN-xx
SR80-7.875-XX-XXXX-EN	7,875 - 8,749	115,0	40,0	73,0	25,0	10,0	P0-EN-xx
SR80-8.750-XX-XXXX-EN	8,75 - 9,749	115,0	40,0	73,0	25,0	10,0	P1-EN-xx
SR80-9.750-XX-XXXX-EN	9,75 - 10,749	115,0	40,0	73,0	25,0	10,0	P1-EN-xx
SR80-10.750-XX-XXXX-EN	10,75 - 12,749	133,0	48,0	81,0	25,0	16,0	P1-EN-xx
SR80-12.750-XX-XXXX-EN	12,75 - 16,749	133,0	48,0	81,0	25,0	16,0	P2-EN-xx
SR80-16.750-XX-XXXX-EN	16,75 - 19,499	155,0	50,0	100,0	25,0	20,0	P2-EN-xx
SR80-19.500-XX-XXXX-EN	19,5 - 20,499	155,0	50,0	100,0	30,0	20,0	P3-EN-xx
SR80-20.500-XX-XXXX-EN	20,5 - 26,499	191,0	56,0	129,0	30,0	25,0	P4-EN-xx
SR80-26.500-XX-XXXX-EN	26,5 - 32,499	221,0	56,0	160,0	30,0	25,0	P4-EN-xx
SR80-32.500-XX-XXXX-EN	32,5 - 38,499	226,0	56,0	165,0	30,0	25,0	P4-EN-xx
SR80-38.500-XX-XXXX-EN	38,5 - 40,499	226,0	56,0	166,0	30,0	25,0	P4-EN-xx
SR80-40.500-XX-XXXX-EN	40,5 - 44,499	226,0	56,0	167,0	30,0	25,0	P4-EN-xx
SR80-44.500-XX-XXXX-EN	44,5 - 50,499	226,0	56,0	168,0	30,0	25,0	P4-EN-xx
SR80-50.500-XX-XXXX-EN	50,5 - 60,5	226,0	56,0	169,0	30,0	25,0	P4-EN-xx

Yedek parçalar

Aksesuarlar

Şu Ø (mm)	Ayar vidası	Sıkma	Sıkma vidası	Ayar anahtarı	Destek bilyası	Tork anahtarı
6,875-8,749	SH2020	SR-B0	LH2040	0.9SMS795	BB1.5	-
8,750-9,749	SH2525	SR-B1	LH2540	1.3SMS795	BB2.0	H00-1305
9,750-12,749	SH2525	SR-B2	LH2540	1.3SMS795	BB2.0	H00-1305
12,750-19,499	SH3040	SR-B3	LH3050	1.5SMS795	BB2.0	H00-1509
19,500-60,500	SH4060	SR-B5	LH4010	2SMS795	BB3.0	H00-2020

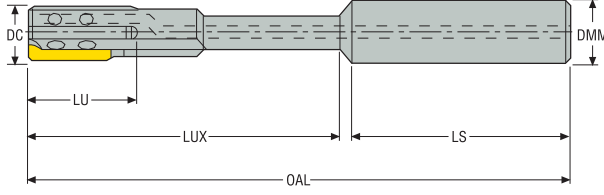
*Tork anahtarı, çubuk dahil

Not! Ara çaplar için rayba sipariş ederken lütfen raybalanacak deliğin: çapını ve toleransını ve ayrıca giriş geometrisini (EN1, EN2 ya da EN3) belirtiniz.

Sipariş örneği: SR80-11.50 H7-EN2, P1-EN2-06, CP20.

Kapalı delikler için Ø 8H6-26H6

Sap tipi R1, Düz kesimsiz silindirik sap, SR81



- Uç bilgisi için bakınız sayfa 411, 412
- İçten soğutma sıvısı

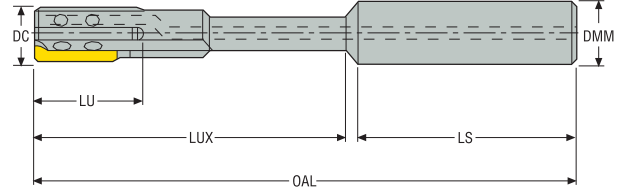
Ürün Tanımı	DC	OAL	LS	LUX	LU	DMM	Uç ebadı
	mm	mm	mm	mm	mm	mm	
SR81-8H6-EN1	8	115	40	73	25	10	P0-EN1-xx
SR81-9H6-EN1	9	115	40	73	25	10	P1-EN1-xx
SR81-11H6-EN1	11	133	48	81	25	16	P1-EN1-xx
SR81-13H6-EN1	13	133	48	81	25	16	P2-EN1-xx
SR81-14H6-EN1	14	133	48	81	25	16	P2-EN1-xx
SR81-15H6-EN1	15	133	48	82	25	16	P2-EN1-xx
SR81-16H6-EN1	16	133	48	82	25	16	P2-EN1-xx
SR81-17H6-EN1	17	155	50	100	25	20	P2-EN1-xx
SR81-18H6-EN1	18	155	50	100	25	20	P2-EN1-xx
SR81-19H6-EN1	19	155	50	100	25	20	P2-EN1-xx
SR81-20H6-EN1	20	155	50	100	30	20	P4-EN1-xx
SR81-21H6-EN1	21	191	56	128	30	25	P4-EN1-xx
SR81-22H6-EN1	22	191	56	129	30	25	P4-EN1-xx
SR81-23H6-EN1	23	191	56	129	30	25	P4-EN1-xx
SR81-25H6-EN1	25	191	56	129	30	25	P4-EN1-xx
SR81-26H6-EN1	26	191	56	129	30	25	P4-EN1-xx

Yedek parçalar

Şu Ø (mm)	Ayar vidası	Sıkma	Sıkma vidası	Ayar anahtarı	Uç destek bilyesi	Tork anahtarı*	Tork değeri
8	SH2020	SR-B0	LH2040	0.9SMS795	BB1.5	-	-
9	SH2525	SR-B1	LH2540	1.3SMS795	BB2.0	H00-1305	0,5 Nm
10-12	SH2525	SR-B2	LH2540	1.3SMS795	BB2.0	H00-1305	0,5 Nm
13-19	SH3040	SR-B3	LH3050	1.5SMS795	BB2.5	H00-1509	0,9 Nm
20-60	SH4060	SR-B5	LH4010	2SMS795	BB3.0	H00-2020	2,0 Nm

Kapalı delikler için \varnothing 27H6–60H6

Sap tipi R1, Düz kesimsiz silindirik sap, SR81



- Uç bilgisi için bakınız sayfa 411, 412
- İçten soğutma sıvısı

Ürün Tanımı	DC	OAL	LS	LUX	LU	DMM	Uç ebadı
	mm	mm	mm	mm	mm	mm	
SR81-27H6-EN1	27	221	56	159	30	25	P4-EN1-xx
SR81-28H6-EN1	28	221	56	159	30	25	P4-EN1-xx
SR81-29H6-EN1	29	221	56	159	30	25	P4-EN1-xx
SR81-30H6-EN1	30	221	56	159	30	25	P4-EN1-xx
SR81-31H6-EN1	31	221	56	160	30	25	P4-EN1-xx
SR81-32H6-EN1	32	221	56	160	30	25	P4-EN1-xx
SR81-34H6-EN1	34	226	56	165	30	25	P4-EN1-xx
SR81-35H6-EN1	35	226	56	165	30	25	P4-EN1-xx
SR81-36H6-EN1	36	226	56	166	30	25	P4-EN1-xx
SR81-38H6-EN1	38	226	56	166	30	25	P4-EN1-xx
SR81-40H6-EN1	40	226	56	166	30	25	P4-EN1-xx
SR81-42H6-EN1	42	226	56	167	30	25	P4-EN1-xx
SR81-44H6-EN1	44	226	56	167	30	25	P4-EN1-xx
SR81-48H6-EN1	48	226	56	168	30	25	P4-EN1-xx
SR81-50H6-EN1	50	226	56	168	30	25	P4-EN1-xx
SR81-52H6-EN1	52	226	56	169	30	25	P4-EN1-xx
SR81-54H6-EN1	54	226	56	169	30	25	P4-EN1-xx
SR81-58H6-EN1	58	226	56	169	30	25	P4-EN1-xx
SR81-60H6-EN1	60	226	56	169	30	25	P4-EN1-xx

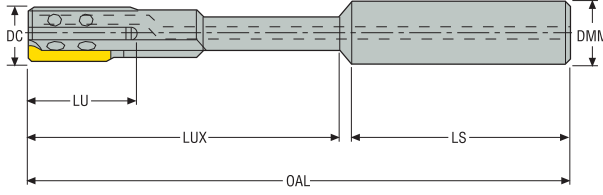
Yedek parçalar

Şu \varnothing (mm)	Ayar vidası	Sıkma	Sıkma vidası	Ayar anahtarı	Uç destek bilyesi	Tork anahtarı*	Tork değeri
20-60	SH4060	SR-B5	LH4010	2SMS795	BB3.0	H00-2020	2,0 Nm

*Tork anahtarı, çubuk dahil

Kapalı delikler için – Ara çaplar

Sap tipi R1, Düz kesimsiz silindirik sap, SR81



- Uç bilgisi için bakınız sayfa 411, 412
- Önemli! Rayba ve rayba ucu aynı giriş geometrisine sahip olmalıdır
- Giriş geometrisi EN1, EN2 veya EN3 bakınız sayfa 402

Ürün Tanımı	DC	OAL	LS	LUX	LU	DMM	Uç ebadı
	mm	mm	mm	mm	mm	mm	
SR81-7.875-XX-XXXX-EN	7,875 - 8,749	115,0	40,0	73,0	25,0	10,0	P0-EN-xx
SR81-8.750-XX-XXXX-EN	8,75 - 9,749	115,0	40,0	73,0	25,0	10,0	P1-EN-xx
SR81-9.750-XX-XXXX-EN	9,75 - 10,749	115,0	40,0	73,0	25,0	10,0	P1-EN-xx
SR81-10.750-XX-XXXX-EN	10,75 - 12,749	133,0	48,0	81,0	25,0	16,0	P1-EN-xx
SR81-12.750-XX-XXXX-EN	12,75 - 16,749	133,0	48,0	81,0	25,0	16,0	P2-EN-xx
SR81-16.750-XX-XXXX-EN	16,75 - 19,499	155,0	50,0	100,0	25,0	20,0	P2-EN-xx
SR81-19.500-XX-XXXX-EN	19,5 - 20,499	155,0	50,0	100,0	30,0	20,0	P4-EN-xx
SR81-20.500-XX-XXXX-EN	20,5 - 26,499	191,0	56,0	129,0	30,0	25,0	P4-EN-xx
SR81-26.500-XX-XXXX-EN	26,5 - 32,499	221,0	56,0	160,0	30,0	25,0	P4-EN-xx
SR81-32.500-XX-XXXX-EN	32,5 - 38,499	226,0	56,0	165,0	30,0	25,0	P4-EN-xx
SR81-38.500-XX-XXXX-EN	38,5 - 40,499	226,0	56,0	166,0	30,0	25,0	P4-EN-xx
SR81-40.500-XX-XXXX-EN	40,5 - 44,499	226,0	56,0	167,0	30,0	25,0	P4-EN-xx
SR81-44.500-XX-XXXX-EN	44,5 - 50,499	226,0	56,0	168,0	30,0	25,0	P4-EN-xx
SR81-50.500-XX-XXXX-EN	50,5 - 60,5	226,0	56,0	169,0	30,0	25,0	P4-EN-xx

Yedek parçalar

Aksesuarlar

Şu Ø (mm)	Ayar vidası	Sıkma	Sıkma vidası	Ayar anahtarı	Destek bilyası	Tork anahtarı
9,75-12,749	SH2525	SR-B2	LH2540	1.3SMS795	BB2.0	H00-1305
12,75-19,499	SH3040	SR-B3	LH3050	1.5SMS795	BB2.5	H00-1509
19,5-60,5	SH4060	SR-B5	LH4010	2SMS795	BB3.0	H00-2020
7,875-8,749	SH2020	SR-B0	LH2040	0.9SMS795	BB1.5	-
8,75-9,749	SH2525	SR-B1	LH2540	1.3SMS795	BB2.0	H00-1305

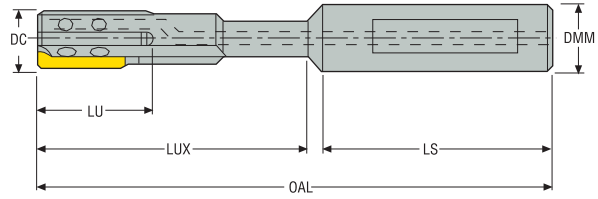
*Tork anahtarı, çubuk dahil

Not! Ara çaplar için rayba sipariş ederken lütfen raybalanacak deliğin: çapını ve toleransını ve ayrıca giriş geometrisini (EN1, EN2 ya da EN3) belirtiniz.

Sipariş örneği: SR81-11.50 H7-EN2, P1-EN2-06, CP20.

Kapalı delikler için – Tornalama uygulamaları için kısa boy

Sap tipi R9, Düz kesimli silindirik sap, SR82



- Uç bilgisi için bakınız sayfa 411, 412
- Önemli! Rayba ve rayba ucu aynı giriş geometrisine sahip olmalıdır
- Giriş geometrisi EN1, EN2 veya EN3 bakınız sayfa 402

Ürün Tanımı	DC	OAL	LS	LUX	LU	DMM	Uç ebadı
	mm	mm	mm	mm	mm	mm	
SR82-7.875-XX-XXXX-EN	7,875 - 8,749	95,0	40,0	53,0	25,0	10,0	P0-EN-xx
SR82-8.750-XX-XXXX-EN	8,75 - 9,749	95,0	40,0	53,0	25,0	10,0	P1-EN-xx
SR82-9.750-XX-XXXX-EN	9,75 - 10,749	95,0	40,0	53,0	25,0	10,0	P1-EN-xx
SR82-10.750-XX-XXXX-EN	10,75 - 12,749	113,0	40,0	61,0	25,0	16,0	P1-EN-xx
SR82-12.750-XX-XXXX-EN	12,75 - 16,749	113,0	48,0	61,0	25,0	16,0	P2-EN-xx
SR82-16.750-XX-XXXX-EN	16,75 - 19,499	113,0	48,0	60,0	25,0	20,0	P2-EN-xx
SR82-19.500-XX-XXXX-EN	19,5 - 20,499	115,0	50,0	60,0	30,0	20,0	P4-EN-xx
SR82-20.500-XX-XXXX-EN	20,5 - 32,499	115,0	50,0	89,0	30,0	25,0	P4-EN-xx
SR82-32.500-XX-XXXX-EN	32,5 - 36,499	151,0	56,0	105,0	30,0	25,0	P4-EN-xx
SR82-36.500-XX-XXXX-EN	36,5 - 40,499	166,0	56,0	106,0	30,0	25,0	P4-EN-xx
SR82-40.500-XX-XXXX-EN	40,5 - 44,499	166,0	56,0	107,0	30,0	25,0	P4-EN-xx
SR82-44.500-XX-XXXX-EN	44,5 - 50,499	166,0	56,0	108,0	30,0	25,0	P4-EN-xx
SR82-50.500-XX-XXXX-EN	50,5 - 60,5	166,0	56,0	109,0	30,0	25,0	P4-EN-xx

Yedek parçalar

Aksesuarlar

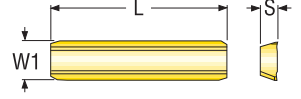
Şu Ø (mm)	Ayar vidası	Sıkma	Sıkma vidası	Ayar anahtarı	Destek bilyası	Tork anahtarı
9,75-12,749	SH2525	SR-B2	LH2540	1.3SMS795	BB2.0	H00-1305
12,75-19,499	SH3040	SR-B3	LH3050	1.5SMS795	BB2.5	H00-1509
19,5-60,5	SH4060	SR-B5	LH4010	2SMS795	BB3.0	H00-2020
7,875-8,749	SH2020	SR-B0	LH2040	0.9SMS795	BB1.5	-
8,75-9,749	SH2525	SR-B1	LH2540	1.3SMS795	BB2.0	H00-1305

*Tork anahtarı, çubuk dahil

Not! Ara çaplar için rayba sipariş ederken lütfen raybalanacak deliğin: çapını ve toleransını ve ayrıca giriş geometrisini (EN1, EN2 ya da EN3) belirtiniz.

Sipariş örneği: SR82-11.50 H7EN2, P1-EN2-06, CP20.

P0-P4 Uçlar



Ürün Tanımı	Uç	L	S	W1	Kaliteler	
		mm İnç	mm İnç	mm İnç	H15	CP20
P0-EN1-0	P0	20 0.787	1,2 0.047	2,5 0.098	00098229	00098244
P0-EN1-06	P0	20 0.787	1,2 0.047	2,5 0.098	00091786	00091762
P0-EN1-12	P0	20 0.787	1,2 0.047	2,5 0.098	00097299	00091971
P0-EN2-0	P0	20 0.787	1,2 0.047	2,5 0.098	00098234	00098249
P0-EN2-06	P0	20 0.787	1,2 0.047	2,5 0.098	00098160	00098170
P0-EN2-12	P0	20 0.787	1,2 0.047	2,5 0.098	00098165	00098175
P0-EN3-0	P0	20 0.787	1,2 0.047	2,5 0.098	00098239	00098254
P0-EN3-06	P0	20 0.787	1,2 0.047	2,5 0.098	00098185	00098195
P0-EN3-12	P0	20 0.787	1,2 0.047	2,5 0.098	00098190	00098200
P1-EN1-0	P1	20 0.787	1,5 0.059	3,0 0.118	00098230	00098245
P1-EN1-06	P1	20 0.787	1,5 0.059	3,0 0.118	00091787	00091764
P1-EN1-12	P1	20 0.787	1,5 0.059	3,0 0.118	00097300	00091972
P1-EN2-0	P1	20 0.787	1,5 0.059	3,0 0.118	00098235	00098250
P1-EN2-06	P1	20 0.787	1,5 0.059	3,0 0.118	00098161	00098171
P1-EN2-12	P1	20 0.787	1,5 0.059	3,0 0.118	00098166	00098176
P1-EN3-0	P1	20 0.787	1,5 0.059	3,0 0.118	00098240	00098255
P1-EN3-06	P1	20 0.787	1,5 0.059	3,0 0.118	00098186	00094702
P1-EN3-12	P1	20 0.787	1,5 0.059	3,0 0.118	00098191	00098201
P2-EN1-0	P2	20 0.787	2,0 0.079	4,5 0.177	00098231	00098246
P2-EN1-06	P2	20 0.787	2,0 0.079	4,5 0.177	00091788	00091765
P2-EN1-12	P2	20 0.787	2,0 0.079	4,5 0.177	00097301	00091973
P2-EN2-0	P2	20 0.787	2,0 0.079	4,5 0.177	00098236	00098251
P2-EN2-06	P2	20 0.787	2,0 0.079	4,5 0.177	00098162	00098172
P2-EN2-12	P2	20 0.787	2,0 0.079	4,5 0.177	00098167	00098177
P2-EN3-0	P2	20 0.787	2,0 0.079	4,5 0.177	00098241	00098256

Ürün Tanımı	Uç	L	S	W1	Kaliteler	
		mm İnç	mm İnç	mm İnç	H15	CP20
P2_EN3-06	P2	20 0.787	2,0 0.079	4,5 0.177	00098187	00098197
P2-EN3-12	P2	20 0.787	2,0 0.079	4,5 0.177	00098192	00098202
P4-EN1-0	P4	25,0 0.984	2,3 0.091	7,0 0.276	00098232	00098247
P4-EN1-06	P4	25,0 0.984	2,3 0.091	7,0 0.276	00091789	00091766
P4-EN1-12	P4	25,0 0.984	2,3 0.091	7,0 0.276	00098128	00091974
P4-EN2-0	P4	25,0 0.984	2,3 0.091	7,0 0.276	00098237	00098252
P4-EN2-06	P4	25,0 0.984	2,3 0.091	7,0 0.276	00098163	00098173
P4-EN2-12	P4	25,0 0.984	2,3 0.091	7,0 0.276	00098168	00098178
P4-EN3-0	P4	25,0 0.984	2,3 0.091	7,0 0.276	00098242	00098257
P4-EN3-06	P4	25,0 0.984	2,3 0.091	7,0 0.276	00098188	00098198
P4-EN3-12	P4	25,0 0.984	2,3 0.091	7,0 0.276	00098193	00098203

Giriş

Delme

Raybalama

Baralama

Ek

Kesme verileri – Pxx-EN1/EN2-00 Metrik

SMG		a_p (Ø)		f	v_c	
		$\varnothing < 9$	$\varnothing \geq 9$		CP20	CP15
P5	Pxx-EN1/EN2-00	0,10-0,15	0,10-0,20	0,10-0,30	40 (30-50)	-
P6	Pxx-EN1/EN2-00	0,10-0,15	0,10-0,20	0,10-0,30	40 (30-50)	-
P7	Pxx-EN1/EN2-00	0,10-0,15	0,10-0,20	0,10-0,30	40 (30-50)	-
K1	Pxx-EN1/EN2-00	0,10-0,20	0,10-0,30	0,10-0,30	90 (80-100)	120 (80-150)
K2	Pxx-EN1/EN2-00	0,10-0,20	0,10-0,30	0,10-0,30	35 (25-50)	50 (25-70)
K3	Pxx-EN1/EN2-00	0,10-0,20	0,10-0,30	0,10-0,30	90 (80-100)	120 (80-150)
K4	Pxx-EN1/EN2-00	0,10-0,20	0,10-0,30	0,10-0,30	70 (60-80)	90 (80-100)
K5	Pxx-EN1/EN2-00	0,10-0,20	0,10-0,30	0,10-0,30	70 (60-80)	90 (80-100)
K6	Pxx-EN1/EN2-00	0,10-0,20	0,10-0,30	0,10-0,30	90 (80-100)	120 (80-150)
K7	Pxx-EN1/EN2-00	0,10-0,20	0,10-0,30	0,10-0,30	90 (80-100)	120 (80-150)
PM1	Pxx-EN1/EN2-00	0,10-0,20	0,10-0,30	0,10-0,30	50 (25-70)	-
PM2	Pxx-EN1/EN2-00	0,10-0,20	0,10-0,30	0,10-0,30	50 (25-70)	-
PM3	Pxx-EN1/EN2-00	0,10-0,20	0,10-0,30	0,10-0,30	50 (25-70)	-

SMG = Seco malzeme grubu

 a_p = mm

f = mm/dev

 v_c = m/dak

Tüm kesme verileri başlangıç değerleridir

Kesme verileri – Pxx-EN1/EN2-00 inç

SMG		a_p (Ø)		f	v_c	
		$\varnothing < 9$	$\varnothing \geq 9$		CP20	CP15
P5	Pxx-EN1/EN2-00	0.004–0.006	0.004–0.008	0.004–0.012	130 (100-165)	-
P6	Pxx-EN1/EN2-00	0.004–0.006	0.004–0.008	0.004–0.012	130 (100-165)	-
P7	Pxx-EN1/EN2-00	0.004–0.006	0.004–0.008	0.004–0.012	130 (100-165)	-
K1	Pxx-EN1/EN2-00	0.004–0.008	0.004–0.012	0.004–0.012	295 (260-330)	395 (260-490)
K2	Pxx-EN1/EN2-00	0.004–0.008	0.004–0.012	0.004–0.012	115 (80-165)	165 (80-230)
K3	Pxx-EN1/EN2-00	0.004–0.008	0.004–0.012	0.004–0.012	295 (260-330)	395 (260-490)
K4	Pxx-EN1/EN2-00	0.004–0.008	0.004–0.012	0.004–0.012	230 (195-260)	295 (260-330)
K5	Pxx-EN1/EN2-00	0.004–0.008	0.004–0.012	0.004–0.012	230 (195-260)	295 (260-330)
K6	Pxx-EN1/EN2-00	0.004–0.008	0.004–0.012	0.004–0.012	295 (260-330)	395 (260-490)
K7	Pxx-EN1/EN2-00	0.004–0.008	0.004–0.012	0.004–0.012	295 (260-330)	395 (260-490)
PM1	Pxx-EN1/EN2-00	0.004–0.008	0.004–0.012	0.004–0.012	165 (80-230)	-
PM2	Pxx-EN1/EN2-00	0.004–0.008	0.004–0.012	0.004–0.012	165 (80-230)	-
PM3	Pxx-EN1/EN2-00	0.004–0.008	0.004–0.012	0.004–0.012	165 (80-230)	-

SMG = Seco malzeme grubu

 a_p = inç

f = in/dev

 v_c = sf/dak

Tüm kesme verileri başlangıç değerleridir

Kesme verileri – Pxx-EN1/EN2-06 Metrik

SMG		a_p (°)		f	v_c		
		$\emptyset < 9$	$\emptyset \geq 9$		H15	CP20	CP15
P1	Pxx-EN1/EN2-06	0,10-0,15	0,10-0,20	0,10-0,30	40 (30-60)	105 (90-120)	120 (90-150)
P2	Pxx-EN1/EN2-06	0,10-0,15	0,10-0,20	0,10-0,30	40 (30-60)	105 (90-120)	120 (90-150)
P3	Pxx-EN1/EN2-06	0,10-0,15	0,10-0,20	0,10-0,30	40 (30-60)	105 (90-120)	120 (90-150)
P4	Pxx-EN1/EN2-06	0,10-0,15	0,10-0,20	0,10-0,30	35 (25-40)	60 (40-70)	80 (60-100)
P5	Pxx-EN1/EN2-06	0,10-0,15	0,10-0,20	0,10-0,30	35 (25-40)	60 (40-70)	80 (60-100)
P6	Pxx-EN1/EN2-06	0,10-0,15	0,10-0,20	0,10-0,30	35 (25-40)	60 (40-70)	80 (60-100)
P7	Pxx-EN1/EN2-06	0,10-0,15	0,10-0,20	0,10-0,30	35 (25-40)	60 (40-70)	80 (60-100)
P8	Pxx-EN1/EN2-06	0,10-0,15	0,10-0,20	0,10-0,30	30 (25-40)	50 (30-60)	60 (40-70)
P11	Pxx-EN1/EN2-06	0,10-0,15	0,10-0,20	0,10-0,30	30 (25-40)	50 (30-60)	60 (40-70)
P12	Pxx-EN1/EN2-06	0,10-0,15	0,10-0,20	0,10-0,30	25 (20-30)	40 (25-45)	45 (30-55)
M1	Pxx-EN1/EN2-06	0,10-0,15	0,10-0,20	0,10-0,30	25 (20-30)	35 (25-40)	35 (25-40)
M2	Pxx-EN1/EN2-06	0,10-0,15	0,10-0,20	0,10-0,30	25 (20-30)	35 (25-40)	35 (25-40)
M3	Pxx-EN1/EN2-06	0,10-0,15	0,10-0,20	0,10-0,30	25 (20-30)	35 (25-40)	35 (25-40)
M4	Pxx-EN1/EN2-06	0,10-0,15	0,10-0,20	0,10-0,30	20 (15-30)	30 (25-40)	30 (25-40)
M5	Pxx-EN1/EN2-06	0,10-0,15	0,10-0,20	0,10-0,30	20 (15-30)	30 (25-40)	30 (25-40)
K1	Pxx-EN1/EN2-06	0,10-0,20	0,10-0,30	0,10-0,30	-	90 (80-100)	120 (80-150)
K2	Pxx-EN1/EN2-06	0,10-0,20	0,10-0,30	0,10-0,30	-	35 (25-50)	50 (25-70)
K3	Pxx-EN1/EN2-06	0,10-0,20	0,10-0,30	0,10-0,30	-	90 (80-100)	120 (80-150)
K4	Pxx-EN1/EN2-06	0,10-0,20	0,10-0,30	0,10-0,30	-	70 (60-80)	90 (80-100)
K5	Pxx-EN1/EN2-06	0,10-0,20	0,10-0,30	0,10-0,30	-	70 (60-80)	90 (80-100)
K6	Pxx-EN1/EN2-06	0,10-0,20	0,10-0,30	0,10-0,30	-	90 (80-100)	120 (80-150)
K7	Pxx-EN1/EN2-06	0,10-0,20	0,10-0,30	0,10-0,30	-	90 (80-100)	120 (80-150)
N11	Pxx-EN1/EN2-06	0,10-0,30	0,20-0,50	0,10-0,30	65 (50-150)	90 (70-150)	-
S1	Pxx-EN1/EN2-06	0,10-0,15	0,10-0,20	0,10-0,30	-	25 (15-30)	-
S2	Pxx-EN1/EN2-06	0,10-0,15	0,10-0,20	0,10-0,30	-	25 (15-30)	-
S3	Pxx-EN1/EN2-06	0,10-0,15	0,10-0,20	0,10-0,30	-	25 (15-30)	-
PM1	Pxx-EN1/EN2-06	0,10-0,20	0,10-0,30	0,10-0,30	-	50 (25-70)	-
PM2	Pxx-EN1/EN2-06	0,10-0,20	0,10-0,30	0,10-0,30	-	50 (25-70)	-
PM3	Pxx-EN1/EN2-06	0,10-0,20	0,10-0,30	0,10-0,30	-	50 (25-70)	-

SMG = Seco malzeme grubu

a_p = mm

f = mm/dev

v_c = m/dak

Tüm kesme verileri başlangıç değerleridir

Giriş

Delme

Raybalama

Baralama

Ek

Kesme verileri – Pxx-EN1/EN2-06 inç

SMG		a_p (°)		f	v_c		
		$\varnothing < 9$	$\varnothing \geq 9$		H15	CP20	CP15
P1	Pxx-EN1/EN2-06	0.004-0.006	0.004-0.008	0.004-0.012	130 (100-195)	345 (295-395)	395 (295-490)
P2	Pxx-EN1/EN2-06	0.004-0.006	0.004-0.008	0.004-0.012	130 (100-195)	345 (295-395)	395 (295-490)
P3	Pxx-EN1/EN2-06	0.004-0.006	0.004-0.008	0.004-0.012	130 (100-195)	345 (295-395)	395 (295-490)
P4	Pxx-EN1/EN2-06	0.004-0.006	0.004-0.008	0.004-0.012	115 (80-130)	195 (130-230)	260 (195-330)
P5	Pxx-EN1/EN2-06	0.004-0.006	0.004-0.008	0.004-0.012	115 (80-130)	195 (130-230)	260 (195-330)
P6	Pxx-EN1/EN2-06	0.004-0.006	0.004-0.008	0.004-0.012	115 (80-130)	195 (130-230)	260 (195-330)
P7	Pxx-EN1/EN2-06	0.004-0.006	0.004-0.008	0.004-0.012	115 (80-130)	195 (130-230)	260 (195-330)
P8	Pxx-EN1/EN2-06	0.004-0.006	0.004-0.008	0.004-0.012	100 (80-130)	165 (100-195)	195 (130-230)
P11	Pxx-EN1/EN2-06	0.004-0.006	0.004-0.008	0.004-0.012	100 (80-130)	165 (100-195)	195 (130-230)
P12	Pxx-EN1/EN2-06	0.004-0.006	0.004-0.008	0.004-0.012	80 (65-100)	130 (80-150)	150 (100-180)
M1	Pxx-EN1/EN2-06	0.004-0.006	0.004-0.008	0.004-0.012	80 (65-100)	115 (80-130)	115 (80-130)
M2	Pxx-EN1/EN2-06	0.004-0.006	0.004-0.008	0.004-0.012	80 (65-100)	115 (80-130)	115 (80-130)
M3	Pxx-EN1/EN2-06	0.004-0.006	0.004-0.008	0.004-0.012	80 (65-100)	115 (80-130)	115 (80-130)
M4	Pxx-EN1/EN2-06	0.004-0.006	0.004-0.008	0.004-0.012	65 (50-100)	100 (80-130)	100 (80-130)
M5	Pxx-EN1/EN2-06	0.004-0.006	0.004-0.008	0.004-0.012	65 (50-100)	100 (80-130)	100 (80-130)
K1	Pxx-EN1/EN2-06	0.004-0.008	0.004-0.012	0.004-0.012	–	295 (260-330)	395 (260-490)
K2	Pxx-EN1/EN2-06	0.004-0.008	0.004-0.012	0.004-0.012	–	115 (80-165)	165 (80-230)
K3	Pxx-EN1/EN2-06	0.004-0.008	0.004-0.012	0.004-0.012	–	295 (260-330)	395 (260-490)
K4	Pxx-EN1/EN2-06	0.004-0.008	0.004-0.012	0.004-0.012	–	230 (195-260)	295 (260-330)
K5	Pxx-EN1/EN2-06	0.004-0.008	0.004-0.012	0.004-0.012	–	230 (195-260)	295 (260-330)
K6	Pxx-EN1/EN2-06	0.004-0.012	0.008-0.020	0.004-0.012	215 (165-150)	295 (230-490)	–
K7	Pxx-EN1/EN2-06	0.004-0.012	0.008-0.020	0.004-0.012	215 (165-150)	295 (230-490)	–
N11	Pxx-EN1/EN2-06	0.004-0.012	0.008-0.020	0.004-0.012	215 (165-150)	295 (230-490)	–
S1	Pxx-EN1/EN2-06	0.004-0.006	0.004-0.008	0.004-0.012	–	80 (50-100)	–
S2	Pxx-EN1/EN2-06	0.004-0.006	0.004-0.008	0.004-0.012	–	80 (50-100)	–
S3	Pxx-EN1/EN2-06	0.004-0.006	0.004-0.008	0.004-0.012	–	80 (50-100)	–
PM1	Pxx-EN1/EN2-06	0.004-0.008	0.004-0.012	0.004-0.012	–	165 (80-230)	–
PM2	Pxx-EN1/EN2-06	0.004-0.008	0.004-0.012	0.004-0.012	–	165 (80-230)	–
PM3	Pxx-EN1/EN2-06	0.004-0.008	0.004-0.012	0.004-0.012	–	165 (80-230)	–

SMG = Seco malzeme grubu

 a_p = inç

f = in/dev

 v_c = sf/dak

Tüm kesme verileri başlangıç değerleridir

Kesme verileri – Pxx-EN1/EN2-12 Metrik

SMG		a_p (°)		f	v_c		
		$\emptyset < 9$	$\emptyset \geq 9$		H15	CP20	CP15
P1	Pxx-EN1/EN2-12	0,10-0,15	0,10-0,20	0,10-0,30	40 (30-60)	105 (90-120)	120 (90-150)
P2	Pxx-EN1/EN2-12	0,10-0,15	0,10-0,20	0,10-0,30	40 (30-60)	105 (90-120)	120 (90-150)
P3	Pxx-EN1/EN2-12	0,10-0,15	0,10-0,20	0,10-0,30	40 (30-60)	105 (90-120)	120 (90-150)
P4	Pxx-EN1/EN2-12	0,10-0,15	0,10-0,20	0,10-0,30	35 (25-40)	60 (40-70)	80 (60-100)
P5	Pxx-EN1/EN2-12	0,10-0,15	0,10-0,20	0,10-0,30	35 (25-40)	60 (40-70)	80 (60-100)
P6	Pxx-EN1/EN2-12	0,10-0,15	0,10-0,20	0,10-0,30	35 (25-40)	60 (40-70)	80 (60-100)
P7	Pxx-EN1/EN2-12	0,10-0,15	0,10-0,20	0,10-0,30	35 (25-40)	60 (40-70)	80 (60-100)
P8	Pxx-EN1/EN2-12	0,10-0,15	0,10-0,20	0,10-0,30	30 (25-40)	50 (30-60)	60 (40-70)
P11	Pxx-EN1/EN2-12	0,10-0,15	0,10-0,20	0,10-0,30	30 (25-40)	50 (30-60)	60 (40-70)
P12	Pxx-EN1/EN2-12	0,10-0,15	0,10-0,20	0,10-0,30	25 (20-30)	40 (25-45)	45 (30-55)
M1	Pxx-EN1/EN2-12	0,10-0,15	0,10-0,20	0,10-0,30	25 (20-30)	35 (25-40)	35 (25-40)
M2	Pxx-EN1/EN2-12	0,10-0,15	0,10-0,20	0,10-0,30	25 (20-30)	35 (25-40)	35 (25-40)
M3	Pxx-EN1/EN2-12	0,10-0,15	0,10-0,20	0,10-0,30	25 (20-30)	35 (25-40)	35 (25-40)
M4	Pxx-EN1/EN2-12	0,10-0,15	0,10-0,20	0,10-0,30	20 (15-30)	30 (25-40)	30 (25-40)
M5	Pxx-EN1/EN2-12	0,10-0,15	0,10-0,20	0,10-0,30	20 (15-30)	30 (25-40)	30 (25-40)
K1	Pxx-EN1/EN2-12	0,10-0,20	0,10-0,30	0,10-0,30	–	90 (80-100)	–
K3	Pxx-EN1/EN2-12	0,10-0,20	0,10-0,30	0,10-0,30	–	90 (80-100)	–
K4	Pxx-EN1/EN2-12	0,10-0,20	0,10-0,30	0,10-0,30	–	70 (60-80)	–
K5	Pxx-EN1/EN2-12	0,10-0,20	0,10-0,30	0,10-0,30	–	70 (60-80)	–
N11	Pxx-EN1/EN2-12	0,10-0,30	0,20-0,50	0,10-0,30	65 (50-150)	90 (70-150)	–
S1	Pxx-EN1/EN2-12	0,10-0,15	0,10-0,20	0,10-0,30	–	25 (15-30)	–
S2	Pxx-EN1/EN2-12	0,10-0,15	0,10-0,20	0,10-0,30	–	25 (15-30)	–
S3	Pxx-EN1/EN2-12	0,10-0,15	0,10-0,20	0,10-0,30	–	25 (15-30)	–
PM1	Pxx-EN1/EN2-12	0,10-0,20	0,10-0,30	0,10-0,30	–	50 (25-70)	–
PM2	Pxx-EN1/EN2-12	0,10-0,20	0,10-0,30	0,10-0,30	–	50 (25-70)	–
PM3	Pxx-EN1/EN2-12	0,10-0,20	0,10-0,30	0,10-0,30	–	50 (25-70)	–

SMG = Seco malzeme grubu

a_p = mm

f = mm/dev

v_c = m/dak

Tüm kesme verileri başlangıç değerleridir

Kesme verileri – Pxx-EN1/EN2-12 inç

SMG		a_p (°)		f	v_c		
		$\varnothing < 9$	$\varnothing \geq 9$		H15	CP20	CP15
P1	Pxx-EN1/EN2-12	0.004–0.006	0.004–0.008	0.004–0.012	130 (100-195)	345 (295-395)	395 (295-490)
P2	Pxx-EN1/EN2-12	0.004–0.006	0.004–0.008	0.004–0.012	130 (100-195)	345 (295-395)	395 (295-490)
P3	Pxx-EN1/EN2-12	0.004–0.006	0.004–0.008	0.004–0.012	130 (100-195)	345 (295-395)	395 (295-490)
P4	Pxx-EN1/EN2-12	0.004–0.006	0.004–0.008	0.004–0.012	115 (80-130)	195 (130-230)	260 (195-330)
P5	Pxx-EN1/EN2-12	0.004–0.006	0.004–0.008	0.004–0.012	115 (80-130)	195 (130-230)	260 (195-330)
P6	Pxx-EN1/EN2-12	0.004–0.006	0.004–0.008	0.004–0.012	115 (80-130)	195 (130-230)	260 (195-330)
P7	Pxx-EN1/EN2-12	0.004–0.006	0.004–0.008	0.004–0.012	115 (80-130)	195 (130-230)	260 (195-330)
P8	Pxx-EN1/EN2-12	0.004–0.006	0.004–0.008	0.004–0.012	100 (80-130)	165 (100-195)	195 (130-230)
P11	Pxx-EN1/EN2-12	0.004–0.006	0.004–0.008	0.004–0.012	100 (80-130)	165 (100-195)	195 (130-230)
P12	Pxx-EN1/EN2-12	0.004–0.006	0.004–0.008	0.004–0.012	80 (65-100)	130 (80-150)	150 (100-180)
M1	Pxx-EN1/EN2-12	0.004–0.006	0.004–0.008	0.004–0.012	80 (65-100)	115 (80-130)	115 (80-130)
M2	Pxx-EN1/EN2-12	0.004–0.006	0.004–0.008	0.004–0.012	80 (65-100)	115 (80-130)	115 (80-130)
M3	Pxx-EN1/EN2-12	0.004–0.006	0.004–0.008	0.004–0.012	80 (65-100)	115 (80-130)	115 (80-130)
M4	Pxx-EN1/EN2-12	0.004–0.006	0.004–0.008	0.004–0.012	65 (50-100)	100 (80-130)	100 (80-130)
M5	Pxx-EN1/EN2-12	0.004–0.006	0.004–0.008	0.004–0.012	65 (50-100)	100 (80-130)	100 (80-130)
K1	Pxx-EN1/EN2-12	0.004–0.008	0.004–0.012	0.004–0.012	–	295 (260-330)	–
K3	Pxx-EN1/EN2-12	0.004–0.008	0.004–0.012	0.004–0.012	–	295 (260-330)	–
K4	Pxx-EN1/EN2-12	0.004–0.008	0.004–0.012	0.004–0.012	–	230 (195-260)	–
K5	Pxx-EN1/EN2-12	0.004–0.008	0.004–0.012	0.004–0.012	–	230 (195-260)	–
N11	Pxx-EN1/EN2-12	0.004–0.012	0.008–0.020	0.004–0.012	215 (165-490)	295 (230-490)	–
S1	Pxx-EN1/EN2-12	0.004–0.006	0.004–0.008	0.004–0.012	–	80 (50-100)	–
S2	Pxx-EN1/EN2-12	0.004–0.006	0.004–0.008	0.004–0.012	–	80 (50-100)	–
S3	Pxx-EN1/EN2-12	0.004–0.006	0.004–0.008	0.004–0.012	–	80 (50-100)	–
PM1	Pxx-EN1/EN2-12	0.004–0.008	0.004–0.012	0.004–0.012	–	165 (80-230)	–
PM2	Pxx-EN1/EN2-12	0.004–0.008	0.004–0.012	0.004–0.012	–	165 (80-230)	–
PM3	Pxx-EN1/EN2-12	0.004–0.008	0.004–0.012	0.004–0.012	–	165 (80-230)	–

SMG = Seco malzeme grubu

 a_p = inç

f = in/dev

 v_c = sf/dak

Tüm kesme verileri başlangıç değerleridir

Kesme verileri – Pxx-EN3-00 Metrik

SMG		a_p (°)		f	v_c	
		$\varnothing < 9$	$\varnothing \geq 9$		CP20	CP15
P5	Pxx-EN3-00	0,10-0,15	0,10-0,20	0,10-0,30	40 (30-50)	-
P6	Pxx-EN3-00	0,10-0,15	0,10-0,20	0,10-0,30	40 (30-50)	-
P7	Pxx-EN3-00	0,10-0,15	0,10-0,20	0,10-0,30	40 (30-50)	-
K1	Pxx-EN3-00	0,10-0,20	0,10-0,30	0,10-0,30	90 (80-100)	120 (80-150)
K2	Pxx-EN3-00	0,10-0,20	0,10-0,30	0,10-0,30	35 (25-50)	50 (25-70)
K3	Pxx-EN3-00	0,10-0,20	0,10-0,30	0,10-0,30	90 (80-100)	120 (80-150)
K4	Pxx-EN3-00	0,10-0,20	0,10-0,30	0,10-0,30	70 (60-80)	90 (80-100)
K5	Pxx-EN3-00	0,10-0,20	0,10-0,30	0,10-0,30	70 (60-80)	90 (80-100)
K6	Pxx-EN3-00	0,10-0,20	0,10-0,30	0,10-0,30	90 (80-100)	120 (80-150)
K7	Pxx-EN3-00	0,10-0,20	0,10-0,30	0,10-0,30	90 (80-100)	120 (80-150)
PM1	Pxx-EN3-00	0,10-0,20	0,10-0,30	0,10-0,30	50 (25-70)	-
PM2	Pxx-EN3-00	0,10-0,20	0,10-0,30	0,10-0,30	50 (25-70)	-
PM3	Pxx-EN3-00	0,10-0,20	0,10-0,30	0,10-0,30	50 (25-70)	-

SMG = Seco malzeme grubu

a_p = mm

f = mm/dev

v_c = m/dak

Tüm kesme verileri başlangıç değerleridir

Kesme verileri – Pxx-EN3-00 inç

SMG		a_p (°)		f	v_c	
		$\varnothing < 9$	$\varnothing \geq 9$		CP20	CP15
P5	Pxx-EN3-00	0.004–0.006	0.004–0.008	0.004–0.012	130 (100-165)	-
P6	Pxx-EN3-00	0.004–0.006	0.004–0.008	0.004–0.012	130 (100-165)	-
P7	Pxx-EN3-00	0.004–0.006	0.004–0.008	0.004–0.012	130 (100-165)	-
K1	Pxx-EN3-00	0.004–0.008	0.004–0.012	0.004–0.012	295 (260-330)	395 (260-490)
K2	Pxx-EN3-00	0.004–0.008	0.004–0.012	0.004–0.012	115 (80-165)	165 (80-230)
K3	Pxx-EN3-00	0.004–0.008	0.004–0.012	0.004–0.012	295 (260-330)	395 (260-490)
K4	Pxx-EN3-00	0.004–0.008	0.004–0.012	0.004–0.012	230 (195-260)	295 (260-330)
K5	Pxx-EN3-00	0.004–0.008	0.004–0.012	0.004–0.012	230 (195-260)	295 (260-330)
K6	Pxx-EN3-00	0.004–0.008	0.004–0.012	0.004–0.012	295 (260-330)	395 (260-490)
K7	Pxx-EN3-00	0.004–0.008	0.004–0.012	0.004–0.012	295 (260-330)	395 (260-490)
PM1	Pxx-EN3-00	0.004–0.008	0.004–0.012	0.004–0.012	165 (80-230)	-
PM2	Pxx-EN3-00	0.004–0.008	0.004–0.012	0.004–0.012	165 (80-230)	-
PM3	Pxx-EN3-00	0.004–0.008	0.004–0.012	0.004–0.012	165 (80-230)	-

SMG = Seco malzeme grubu

a_p = inç

f = in/dev

v_c = sf/dak

Tüm kesme verileri başlangıç değerleridir

Kesme verileri – Pxx-EN3-06 Metrik

SMG		a_p (°)		f	v_c		
		$\varnothing < 9$	$\varnothing \geq 9$		H15	CP20	CP15
P1	Pxx-EN3-06	0,10-0,15	0,10-0,20	0,10-0,30	40 (30-60)	105 (90-120)	120 (90-150)
P2	Pxx-EN3-06	0,10-0,15	0,10-0,20	0,10-0,30	40 (30-60)	105 (90-120)	120 (90-150)
P3	Pxx-EN3-06	0,10-0,15	0,10-0,20	0,10-0,30	40 (30-60)	105 (90-120)	120 (90-150)
P4	Pxx-EN3-06	0,10-0,15	0,10-0,20	0,10-0,30	35 (25-40)	60 (40-70)	80 (60-100)
P5	Pxx-EN3-06	0,10-0,15	0,10-0,20	0,10-0,30	35 (25-40)	60 (40-70)	80 (60-100)
P6	Pxx-EN3-06	0,10-0,15	0,10-0,20	0,10-0,30	35 (25-40)	60 (40-70)	80 (60-100)
P7	Pxx-EN3-06	0,10-0,15	0,10-0,20	0,10-0,30	35 (25-40)	60 (40-70)	80 (60-100)
P8	Pxx-EN3-06	0,10-0,15	0,10-0,20	0,10-0,30	30 (25-40)	50 (30-60)	60 (40-70)
P11	Pxx-EN3-06	0,10-0,15	0,10-0,20	0,10-0,30	30 (25-40)	50 (30-60)	60 (40-70)
P12	Pxx-EN3-06	0,10-0,15	0,10-0,20	0,10-0,30	25 (20-30)	40 (25-45)	45 (30-55)
M1	Pxx-EN3-06	0,10-0,15	0,10-0,20	0,10-0,30	-	-	35 (25-40)
M2	Pxx-EN3-06	0,10-0,15	0,10-0,20	0,10-0,30	-	-	35 (25-40)
M3	Pxx-EN3-06	0,10-0,15	0,10-0,20	0,10-0,30	-	-	35 (25-40)
M4	Pxx-EN3-06	0,10-0,15	0,10-0,20	0,10-0,30	-	-	30 (25-40)
M5	Pxx-EN3-06	0,10-0,15	0,10-0,20	0,10-0,30	-	-	30 (25-40)
K1	Pxx-EN3-06	0,10-0,20	0,10-0,30	0,10-0,30	-	90 (80-100)	120 (80-150)
K2	Pxx-EN3-06	0,10-0,20	0,10-0,30	0,10-0,30	-	35 (25-50)	50 (25-70)
K3	Pxx-EN3-06	0,10-0,20	0,10-0,30	0,10-0,30	-	90 (80-100)	120 (80-150)
K4	Pxx-EN3-06	0,10-0,20	0,10-0,30	0,10-0,30	-	70 (60-80)	90 (80-100)
K5	Pxx-EN3-06	0,10-0,20	0,10-0,30	0,10-0,30	-	70 (60-80)	90 (80-100)
K6	Pxx-EN3-06	0,10-0,20	0,10-0,30	0,10-0,30	-	90 (80-100)	120 (80-150)
K7	Pxx-EN3-06	0,10-0,20	0,10-0,30	0,10-0,30	-	90 (80-100)	120 (80-150)
PM1	Pxx-EN3-06	0,10-0,20	0,10-0,30	0,10-0,30	-	50 (25-70)	-
PM2	Pxx-EN3-06	0,10-0,20	0,10-0,30	0,10-0,30	-	50 (25-70)	-
PM3	Pxx-EN3-06	0,10-0,20	0,10-0,30	0,10-0,30	-	50 (25-70)	-

SMG = Seco malzeme grubu

 a_p = mm

f = mm/dev

 v_c = m/dak

Tüm kesme verileri başlangıç değerleridir

Kesme verileri – Pxx-E3-06 inç

SMG		a_p (°)		f	v_c		
		$\varnothing < 9$	$\varnothing \geq 9$		H15	CP20	CP15
P1	Pxx-EN3-06	0.004-0.006	0.004-0.008	0.004-0.012	130 (100-195)	345 (295-395)	395 (295-490)
P2	Pxx-EN3-06	0.004-0.006	0.004-0.008	0.004-0.012	130 (100-195)	345 (295-395)	395 (295-490)
P3	Pxx-EN3-06	0.004-0.006	0.004-0.008	0.004-0.012	130 (100-195)	345 (295-395)	395 (295-490)
P4	Pxx-EN3-06	0.004-0.006	0.004-0.008	0.004-0.012	115 (80-130)	195 (130-230)	260 (195-330)
P5	Pxx-EN3-06	0.004-0.006	0.004-0.008	0.004-0.012	115 (80-130)	195 (130-230)	260 (195-330)
P6	Pxx-EN3-06	0.004-0.006	0.004-0.008	0.004-0.012	115 (80-130)	195 (130-230)	260 (195-330)
P7	Pxx-EN3-06	0.004-0.006	0.004-0.008	0.004-0.012	115 (80-130)	195 (130-230)	260 (195-330)
P8	Pxx-EN3-06	0.004-0.006	0.004-0.008	0.004-0.012	100 (80-130)	165 (100-195)	195 (130-230)
P11	Pxx-EN3-06	0.004-0.006	0.004-0.008	0.004-0.012	100 (80-130)	165 (100-195)	195 (130-230)
P12	Pxx-EN3-06	0.004-0.006	0.004-0.008	0.004-0.012	80 (65-100)	130 (80-150)	150 (100-180)
M1	Pxx-EN3-06	0.004-0.006	0.004-0.008	0.004-0.012	-	-	115 (80-130)
M2	Pxx-EN3-06	0.004-0.006	0.004-0.008	0.004-0.012	-	-	115 (80-130)
M3	Pxx-EN3-06	0.004-0.006	0.004-0.008	0.004-0.012	-	-	115 (80-130)
M4	Pxx-EN3-06	0.004-0.006	0.004-0.008	0.004-0.012	-	-	100 (80-130)
M5	Pxx-EN3-06	0.004-0.006	0.004-0.008	0.004-0.012	-	-	100 (80-130)
K1	Pxx-EN3-06	0.004-0.008	0.004-0.012	0.004-0.012	-	295 (260-330)	395 (260-490)
K2	Pxx-EN3-06	0.004-0.008	0.004-0.012	0.004-0.012	-	115 (80-165)	165 (80-230)
K3	Pxx-EN3-06	0.004-0.008	0.004-0.012	0.004-0.012	-	295 (260-330)	395 (260-490)
K4	Pxx-EN3-06	0.004-0.008	0.004-0.012	0.004-0.012	-	230 (195-260)	295 (260-330)
K5	Pxx-EN3-06	0.004-0.008	0.004-0.012	0.004-0.012	-	230 (195-260)	295 (260-330)
K6	Pxx-EN3-06	0.004-0.008	0.004-0.012	0.004-0.012	-	295 (260-330)	395 (260-490)
K7	Pxx-EN3-06	0.004-0.008	0.004-0.012	0.004-0.012	-	295 (260-330)	395 (260-490)
PM1	Pxx-EN3-06	0.004-0.008	0.004-0.012	0.004-0.012	-	165 (80-230)	-
PM2	Pxx-EN3-06	0.004-0.008	0.004-0.012	0.004-0.012	-	165 (80-230)	-
PM3	Pxx-EN3-06	0.004-0.008	0.004-0.012	0.004-0.012	-	165 (80-230)	-

SMG = Seco malzeme grubu

a_p = inç

f = in/dev

v_c = sf/dak

Tüm kesme verileri başlangıç değerleridir

Kesme verileri – Pxx-EN3-12 Metrik

SMG		a_p (°)		f	v_c		
		$\varnothing < 9$	$\varnothing \geq 9$		H15	CP20	CP15
P1	Pxx-EN3-12	0,10-0,15	0,10-0,20	0,10-0,30	40 (30-60)	105 (90-120)	120 (90-150)
P2	Pxx-EN3-12	0,10-0,15	0,10-0,20	0,10-0,30	40 (30-60)	105 (90-120)	120 (90-150)
P3	Pxx-EN3-12	0,10-0,15	0,10-0,20	0,10-0,30	40 (30-60)	105 (90-120)	120 (90-150)
P4	Pxx-EN3-12	0,10-0,15	0,10-0,20	0,10-0,30	35 (25-40)	60 (40-70)	80 (60-100)
P5	Pxx-EN3-12	0,10-0,15	0,10-0,20	0,10-0,30	35 (25-40)	60 (40-70)	80 (60-100)
P6	Pxx-EN3-12	0,10-0,15	0,10-0,20	0,10-0,30	35 (25-40)	60 (40-70)	80 (60-100)
P7	Pxx-EN3-12	0,10-0,15	0,10-0,20	0,10-0,30	35 (25-40)	60 (40-70)	80 (60-100)
P8	Pxx-EN3-12	0,10-0,15	0,10-0,20	0,10-0,30	30 (25-40)	50 (30-60)	60 (40-70)
P11	Pxx-EN3-12	0,10-0,15	0,10-0,20	0,10-0,30	30 (25-40)	50 (30-60)	60 (40-70)
P12	Pxx-EN3-12	0,10-0,15	0,10-0,20	0,10-0,30	25 (20-30)	40 (25-45)	45 (30-55)
K1	Pxx-EN3-12	0,10-0,20	0,10-0,30	0,10-0,30	-	90 (80-100)	-
K3	Pxx-EN3-12	0,10-0,20	0,10-0,30	0,10-0,30	-	90 (80-100)	-
K4	Pxx-EN3-12	0,10-0,20	0,10-0,30	0,10-0,30	-	70 (60-80)	-
K5	Pxx-EN3-12	0,10-0,20	0,10-0,30	0,10-0,30	-	70 (60-80)	-
PM1	Pxx-EN3-12	0,10-0,20	0,10-0,30	0,10-0,30	-	50 (25-70)	-
PM2	Pxx-EN3-12	0,10-0,20	0,10-0,30	0,10-0,30	-	50 (25-70)	-
PM3	Pxx-EN3-12	0,10-0,20	0,10-0,30	0,10-0,30	-	50 (25-70)	-

SMG = Seco malzeme grubu

 a_p = mm

f = mm/dev

 v_c = m/dak

Tüm kesme verileri başlangıç değerleridir

Kesme verileri – Pxx-EN3-12 inç

SMG		a_p (°)		f	v_c		
		$\varnothing < 9$	$\varnothing \geq 9$		H15	CP20	CP15
P1	Pxx-EN3-12	0,004–0,006	0,004–0,008	0,004–0,012	130 (100-195)	345 (295-395)	395 (295-490)
P2	Pxx-EN3-12	0,004–0,006	0,004–0,008	0,004–0,012	130 (100-195)	345 (295-395)	395 (295-490)
P3	Pxx-EN3-12	0,004–0,006	0,004–0,008	0,004–0,012	130 (100-195)	345 (295-395)	395 (295-490)
P4	Pxx-EN3-12	0,004–0,006	0,004–0,008	0,004–0,012	115 (80-130)	195 (130-230)	260 (195-330)
P5	Pxx-EN3-12	0,004–0,006	0,004–0,008	0,004–0,012	115 (80-130)	195 (130-230)	260 (195-330)
P6	Pxx-EN3-12	0,004–0,006	0,004–0,008	0,004–0,012	115 (80-130)	195 (130-230)	260 (195-330)
P7	Pxx-EN3-12	0,004–0,006	0,004–0,008	0,004–0,012	115 (80-130)	195 (130-230)	260 (195-330)
P8	Pxx-EN3-12	0,004–0,006	0,004–0,008	0,004–0,012	100 (80-130)	165 (100-195)	195 (130-230)
P11	Pxx-EN3-12	0,004–0,006	0,004–0,008	0,004–0,012	100 (80-130)	165 (100-195)	195 (130-230)
P12	Pxx-EN3-12	0,004–0,006	0,004–0,008	0,004–0,012	80 (65-100)	130 (80-150)	150 (100-180)
K1	Pxx-EN3-12	0,004–0,008	0,004–0,012	0,004–0,012	-	295 (260-330)	-
K3	Pxx-EN3-12	0,004–0,008	0,004–0,012	0,004–0,012	-	295 (260-330)	-
K4	Pxx-EN3-12	0,004–0,008	0,004–0,012	0,004–0,012	-	230 (195-260)	-
K5	Pxx-EN3-12	0,004–0,008	0,004–0,012	0,004–0,012	-	230 (195-260)	-
PM1	Pxx-EN3-12	0,004–0,008	0,004–0,012	0,004–0,012	-	165 (80-230)	-
PM2	Pxx-EN3-12	0,004–0,008	0,004–0,012	0,004–0,012	-	165 (80-230)	-
PM3	Pxx-EN3-12	0,004–0,008	0,004–0,012	0,004–0,012	-	165 (80-230)	-

SMG = Seco malzeme grubu

 a_p = inç

f = in/dev

 v_c = sf/dak

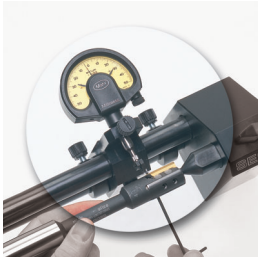
Tüm kesme verileri başlangıç değerleridir

Ayar talimatları

1.		İki ayar vidasını (7)1/4 tur gevşetin.
2.		İki baskı parçası vidasını (5) gevşetin.
3.		Rayba ucu yuvasını iyice temizleyin sonra da kullanılan ucu (2) çevirin veya ucu değiştirin.
4.		Ucu, aksenal durma noktasına ve ayar toplarına (6) sert bir şekilde itin.
5.		Baskı parçası vidalarını dikkatli bir şekilde sıkın. (Doğru tork değerini uygulamak için anahtarı kısa ucundan tutun).
6.		Yatakların (3) silindirik arka ucunu kullanarak µm saatini sıfırlayın.


Ayar talimatları

7.



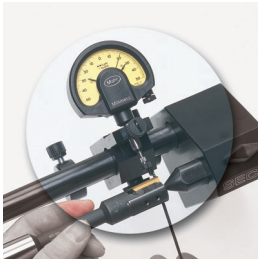
Ucun arka tarafını, arka koniğin 0,01 mm/10 mm (0,0004 inç/0,394 inç) uç boyuna ulaşabileceği bir çapa ayarlayın (bkz. şekil 2).

8.



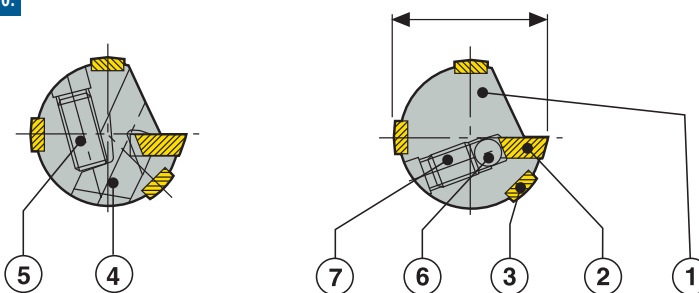
Yatakların (3) silindirik ön ucunu kullanarak µm saatini sıfırlayın.

9.



Ucun ön tarafını, saat A yataklarının (3) 0,02 mm veya 0,015 mm (0,0008 inç ya da 0,0006 inç) üzerine ayarlayın, bkz. şekil 1.
Saat B arka konik değerini (6 ve 7. adımlar) tekrar kontrol edin.

10.



Not: Ayarlama sırasında gerekli çap değeri aşılsa ayar vidalarında boşluk olmasını engellemek için tekrar baştan başlayın.

şekil 1

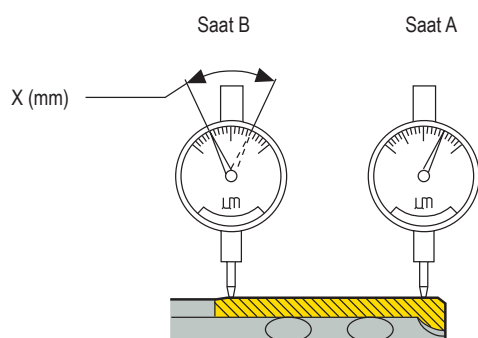
0,015 mm ($\varnothing \leq 10$ mm)
0,020 mm ($\varnothing > 10$ mm)
 \varnothing ayarı için saat A değeri

0,0006 inç ($\varnothing \leq 0,394$ inç)
0,0008 inç ($\varnothing > 0,394$ inç)
 \varnothing ayarı için saat A değeri

Saat B

Saat A

X (mm)



şekil 2

- Saat ünitesi = 1 µm (39 µin)
- Bitişik yatak üzerinde sıfır ayarlandığında ön ve arka değerleri geçerli olur.
- Ucun 1 µm/mm (0,0004 inç) arka koniğindeki arka saat değerleri hesaplanır

Ayar tablosu

Çap aralığı mm (inç)	Uç ebadı	Ön Saat A	Arka Saat B
6,875-8,749 (0,271-0,344 inç)	P0	+15	-5
8,750-10,000 (0,344-0,394 inç)	P1	+15	-5
10,001-12,749 (0,394-0,502 inç)	P1	+20	0
12,750-19,499 (0,502-0,768 inç)	P2	+20	0
19,500-60,500 (0,768-2,382 inç)	P4	+20	0

Sorun giderme

Kötü yüzey kalitesi	Boylamasına çizgiler
<ul style="list-style-type: none">Talaş miktarını kontrol edinSoğutma sıvısı şartlarını iyileştirin (çıkış tipi, basınç, kalite)İlerleme oranını düşürünRayba ucunu değiştirin (yanlış giriş geometrisi ya da boşluk açısı)Rayba ucunun ekstenel konumunu kontrol edin	<ul style="list-style-type: none">Merkezlemeyi iyileştirin (parça/takım)Arka koniği artırın
Geri çekme işaretleri	Kaçık merkez/Ovallık
<ul style="list-style-type: none">Soğutma sıvısı koşullarını iyileştirin (çıkış tipi, basınç, kalite)Merkezlemeyi iyileştirin (parça/takım)Arka koniği artırın	<ul style="list-style-type: none">Bağlamayı iyileştirin (iş parçası)Talaş miktarını kontrol edinMerkezlemeyi iyileştirin (parça/takım)Rayba ucunun ekstenel konumunu kontrol edin
Açılı giriş	Konik delik
<ul style="list-style-type: none">İlerleme oranını düşürünMerkezlemeyi iyileştirin (parça/takım)Arka koniği kontrol edinRadyal salgıyı azaltın	<ul style="list-style-type: none">Merkezlemeyi iyileştirin (parça/takım)Arka koniği kontrol edin
Deforme delik	Kavisli delik
<ul style="list-style-type: none">Bağlamayı iyileştirin (iş parçası deformasyonu)	<ul style="list-style-type: none">Rayba ucunu değiştirin (yanlış giriş geometrisi)Rayba ucunun ekstenel konumunu kontrol edin
Çok büyük çap	Yataklara yapışma
<ul style="list-style-type: none">Merkezlemeyi iyileştirin (parça/takım)Çapı ayarlayın (çok büyük)	<ul style="list-style-type: none">Soğutma sıvısı koşullarını iyileştirin (soğutma sıvısı çıkış tipi, basınç, kalite)Çapı ayarlayın (çok küçük)




Xfix™

Xfix™ büyük çaplı ve çok dişli raybalar, delik üretiminde mümkün olan en yüksek performansı ve hassasiyeti sağlamak için kullanılır.

- 39,5 - 154,5 mm (2,03 inç - 6,083 inç) çap aralığında 6,5 x D'ye kadar kesme derinlikleri mevcuttur
- Hızlı ve kolay ayarlama özelliği sayesinde, çapı ayarlamak için diş başına yalnızca bir vida gereklidir ve her bir diş ayarlamak üzere yalnızca bir vida gereklidir
- Hassas ayar sistemi, 16 - 25 µm (0,0006 - 0,0010 inç) arasında dar toleranslar elde edilmesini sağlar
- Uçların dört veya sekiz adet kesme kenarı vardır

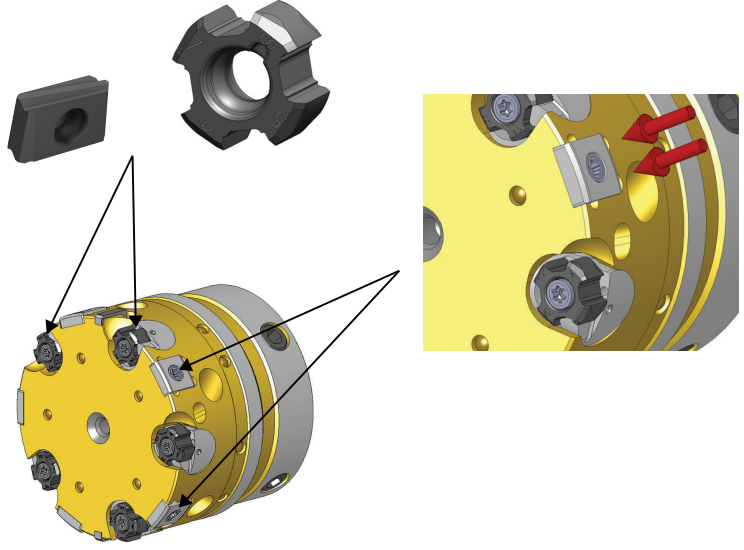
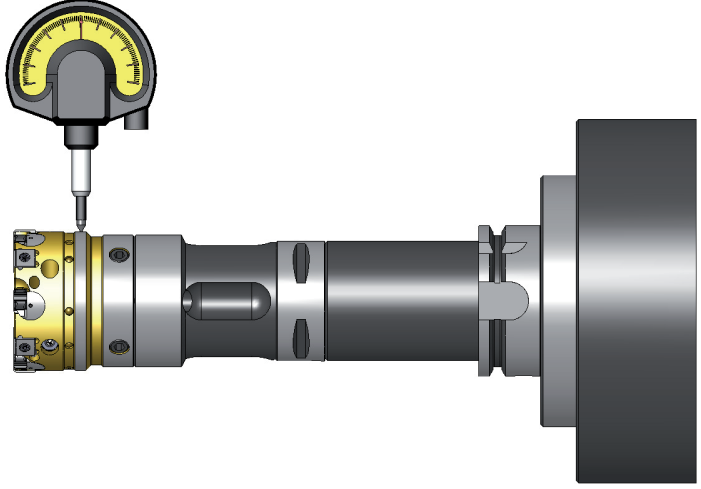
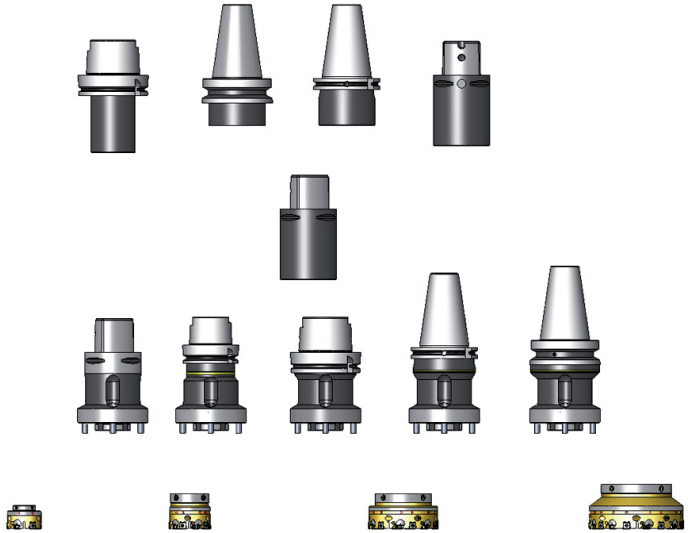
Ürönlere genel bakış

	Ø Aralığı	Raybalama derinliđi	Matkap Ø toleransı	Ara çaplar	Yüzey kalitesi
	39,500-154,500 mm (1.5551-6.0827")	2,5-6,5 x D	IT 6	Evet, Özel Tasarım olarak mevcut	R _a 0,8-1,2 µm (R _a 31-47 µin)

Xfix™, Ø 39,5 ila 154,5 mm (1.555" – 6.083") arası büyük çaplar için tasarlanmış Seco 'nun yeni rayba çeşididir.

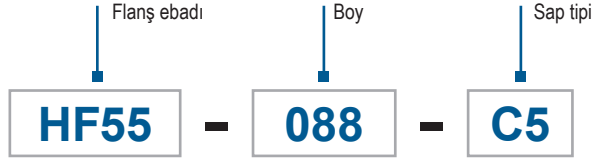
Bu tasarım IT 6 toleransına ulaşmak için ayarlanabilir ve deđiştirilebilir uçları içerir ve ayrıca parça kalitesini garanti etmek için enterge bir ayarlı salğı adaptörü vardır. Çok ağızlı yapısı ve patentli 'Takılı yataklar' büyük çap raybalama operasyonlarında en yüksek sağlamlığı ve üretkenliği sunar.

Özellik detayları

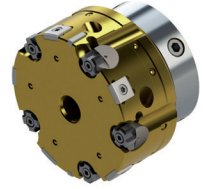
<ul style="list-style-type: none"> • Tüm malzemelerde iyileştirme için 4 ya da 8 kesme kenarı • Tutarlı bağlama sistemi • Sadece 1 ayar vidası ile kolay ayarlama • Farklı uygulamalar için kalite ve geometri seçenekleri <ul style="list-style-type: none"> • Uygulama güvenliği için patenti ön yüklemeli kılavuz yataklar • Performans ve güvenlik için yatak yağlaması 		Giriş
<ul style="list-style-type: none"> • Mükemmel salgı kontrolü için ayarlanabilir entegre adaptör 		Delme
<ul style="list-style-type: none"> • Seco Takım Tutucular kataloğundaki saplar ve uzatma seçenekleri maksimum modülerlik sunar 		Raybalama
		Baralama
		Ek

Kodlama anahtarları

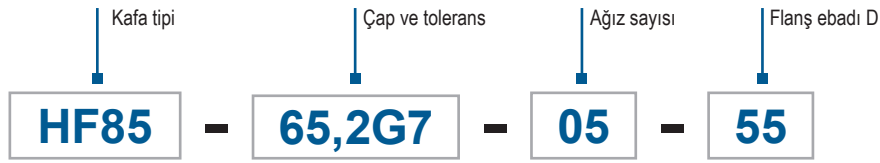
Adaptörler



Standart kafalar



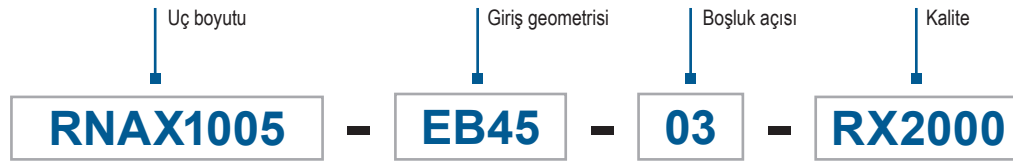
Kafalar, Ara



Kafa tipi bilgisi:

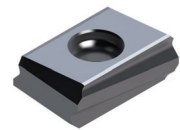
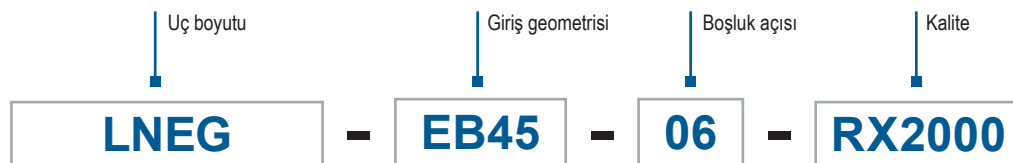
- HF85, açık delik, kısa talaşlı iş parçası malzemesi
- HF85B, kapalı delik, kısa talaşlı iş parçası malzemesi
- HF86, açık delik, tüm iş parçası malzemeleri
- HF86B, kapalı delik, tüm iş parçası malzemeleri

Uçlar



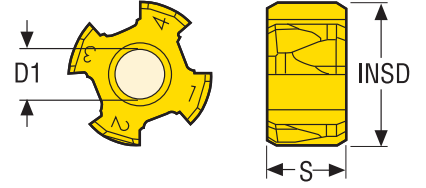
HF85 ve HF 85B Xfix kafalar için RNAX uç

Uçlar



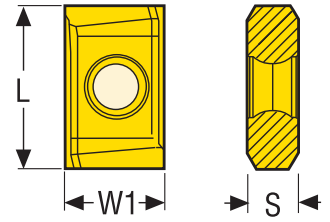
HF86 ve HF86B Xfix kafalar için LNEG uçlar

RNAX



Ürün Tanımı	Uçlar	INSD		S		D1		Kaliteler		Boşluk açısı
		mm	İnç	mm	İnç	mm	İnç	RX1500	RX2000	
RNAX1005-EB1570-03	RNAX	10,0	0.394	5,5	0.217	3,5	0.138	02687601	02687603	3,0 °
RNAX1005-EB45-03	RNAX	10,0	0.394	5,5	0.217	3,5	0.138	02687600	02688608	3,0 °
RNAX1005-EB845-03	RNAX	10,0	0.394	5,5	0.217	3,5	0.138	02687593	02688606	3,0 °

LNEG



Ürün Tanımı	Uçlar	L		S		W1		Kaliteler			Boşluk açısı
		mm	İnç	mm	İnç	mm	İnç	RX1500	RX2000	CF	
LNEG1003-EB45-03	LNEG	10,0	0.394	3,5	0.138	6,35	0.250		02781311		3,0 °
LNEG1003-EB45-06	LNEG	10,0	0.394	3,5	0.138	6,35	0.250	02904277	02781313	02904276	6,0 °
LNEG1003-EB845-03	LNEG	10,0	0.394	3,5	0.138	6,35	0.250		02781314		3,0 °
LNEG1003-EB845-06	LNEG	10,0	0.394	3,5	0.138	6,35	0.250		02781315		6,0 °

Giriş geometrisi

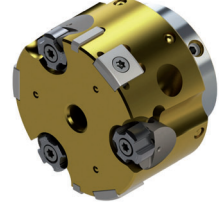
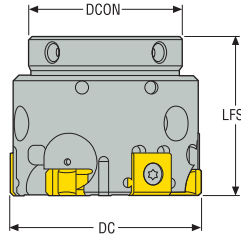
Giriş Geometrisi EB45 – Uygulama	
<p>Talaş kontrolü +++ Yüzey Kalitesi + R_a 1,2 - 2 μm (Yüzey Kalitesi + R_a 0,047 - 0,0787 μin) İlk tercih geometri</p>	
Giriş Geometrisi EB845 – Uygulama	
<p>Talaş kontrolü ++ Yüzey Kalitesi+++ R_a 0,4 - 1,2 μm (Yüzey Kalitesi+++ R_a 0,0157 - 0,047 μin)</p>	
Giriş Geometrisi EB1570 – Uygulama	
<p>Talaş kontrolü ++ Yüzey Kalitesi ++ R_a 0,8 - 1,6 μm (Yüzey Kalitesi ++ R_a 0,031 - 0,0630 μin) Uzun boya uygulamalar için tutarlılık +++</p>	

Kaliteler

Kaliteler		
	<p>RX1500</p>	<p>Kaplamalı Sermet Dökme demirde ve çelikte performans iyileştirilmesi için aşınmaya direnci artırılmış kaplamalı kalite.</p>
	<p>RX2000</p>	<p>Kaplamalı Tüm malzemeler için uygun, modern kaplamalı yüksek performans kalitesi</p>
	<p>CF</p>	<p>Sermet Çeliklerde performans optimizasyonu için aşınmaya dirençli bir kalitedir.</p>

HF85

RNAX uçlar için kafalar, Açık delik 39,5-59,499 mm / 1.555-2.342"



- Uçlar, kaliteler ve geometriler için bakınız sayfa 429-430

Ürün Tanımı	DCN	DCX	LFS	DCON	Ağırlık	Uç
	mm Inç	mm Inç	mm Inç	mm Inç	kg lb	
HF85-39.5/44.499-03-32	39,5 1.555	44,499 1.752	33,0 1.299	32,0 1.260	0,41 0.900	3
HF85-44.5/49.499-03-32	44,5 1.752	49,499 1.949	33,0 1.299	32,0 1.260	0,51 1.120	3
HF85-49.5/54.499-03-32	49,5 1.949	54,499 2.146	33,0 1.299	32,0 1.260	0,62 1.370	3
HF85-54.5/59.499-03-32	54,5 2.146	59,499 2.342	33,0 1.299	32,0 1.260	0,74 1.630	3

Yedek parçalar

Şu kafa için	Ayar vidası	Kartuş	Sıkma vidası	Uç vidası	Anahtar (Bayrak)	Ayar anahtarı	Baskı Pabucu
HF85 03-32	SH4075S	CARTCYHF16	LDH4010	C03010-T09P	H2.0-2D	2SMS795	B6027

Aksesuarlar

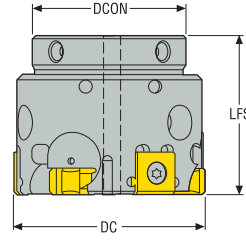
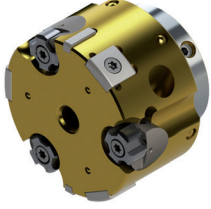
Şu kafa için	Tork anahtarı	Kartuş için tork anahtarı
HF85 03-32	H00-2020	T00-09P20

Tork değeri T00-09P20: 2 Nm.


Tork değeri H00-2020: 2 Nm.

HF85B



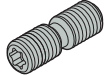




RNAX uçlar için kafalar, Kapalı delik 39,5-59,499 mm / 1.555-2.342"





- Uçlar, kaliteler ve geometriler için bakınız sayfa 429-430

Ürün Tanımı	DCN	DCX	LFS	DCN	Ağırlık	Uç
	mm Inç	mm Inç	mm Inç	mm Inç	kg lb	
HF85B-39.5/44.499-03-32	39,5 1.555	44,499 1.752	33,0 1.299	32,0 1.260	0,41 0.900	3
HF85B-44.5/49.499-03-32	44,5 1.752	49,499 1.949	33,0 1.299	32,0 1.260	0,51 1.120	3
HF85B-49.5/54.499-03-32	49,5 1.949	54,499 2.146	33,0 1.299	32,0 1.260	0,62 1.370	3
HF85B-54.5/59.499-03-32	54,5 2.146	59,499 2.342	33,0 1.299	32,0 1.260	0,74 1.630	3

Yedek parçalar

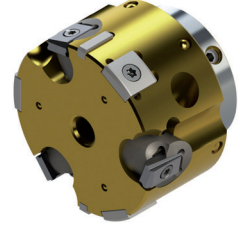
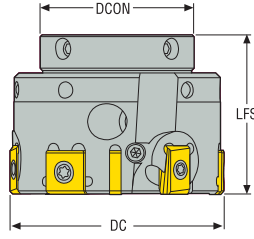
Şu kafa için	Ayar vidası	Kartuş	Sıkma vidası	Uç vidası	Anahtar (Bayrak)	Ayar anahtarı	Baskı Pabucu
							
HF85B 03-32	SH4075S	CARTCYHF16B	LDH4010	C03010-T09P	H2.0-2D	2SMS795	B6027

Aksesuarlar

Şu kafa için	Tork anahtarı	Kartuş için tork anahtarı
		
HF85B 03-32	H00-2020	T00-09P20

Tork değeri T00-09P20: 2 Nm.
Tork değeri H00-2020: 2 Nm.

HF86

LNEG uçlar için kafalar, Açık delik \varnothing 39,5-59,499 mm / 1.555-2.342"

- Uçlar, kaliteler ve geometriler için bakınız sayfa 429-430

Ürün Tanımı	DCN	DCX	LFS	DCON	Ağırlık	Uç
	mm Inç	mm Inç	mm Inç	mm Inç	kg lb	
HF86-39.5/44.499-03-32	39,5 1.555	44,499 1.752	33,0 1.299	32,0 1.260	0,41 0.900	3
HF86-44.5/49.499-03-32	44,5 1.752	49,499 1.949	33,0 1.299	32,0 1.260	0,51 1.120	3
HF86-49.5/54.499-03-32	49,5 1.949	54,499 2.146	33,0 1.299	32,0 1.260	0,62 1.370	3
HF86-54.5/59.499-03-32	54,5 2.146	59,499 2.342	33,0 1.299	32,0 1.260	0,74 1.630	3

Yedek parçalar

Şu kafa için	Ayar vidası	Kartuş	Sıkma vidası	Uç vidası	Anahtar (Bayrak)	Ayar anahtarı	Baskı Pabucu
HF86 03-32	SH4075S	CARTCYLN16	LDH4010	C02506-T07P	H2.0-2D	2SMS795	B6027

Aksesuarlar

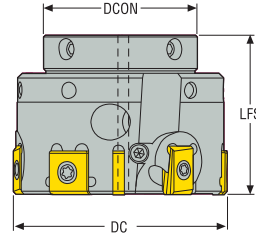
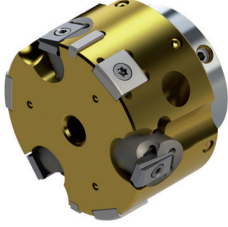
Şu kafa için	Tork anahtarı	Kartuş için tork anahtarı
HF86 03-32	H00-2020	T00-07P09

Tork değeri T00-07P09: 0,9 Nm.

Tork değeri H00-2020: 2 Nm.

HF86B

RNAX uçlar için kafalar, Kapalı delik Ø 39,5-59,499 mm / 1.555-2.342"



- Uçlar, kaliteler ve geometriler için bakınız sayfa 429-430

Ürün Tanımı	DCN	DCX	LFS	DCN	Ağırlık	Uç
	mm Inç	mm Inç	mm Inç	mm Inç	kg lb	
HF86B-39.5/44.499-03-32	39,5 1.555	44,499 1.752	33,0 1.299	32,0 1.260	0,41 0.900	3
HF86B-44.5/49.499-03-32	44,5 1.752	49,499 1.949	33,0 1.299	32,0 1.260	0,51 1.120	3
HF86B-49.5/54.499-03-32	49,5 1.949	54,499 2.146	33,0 1.299	32,0 1.260	0,62 1.370	3
HF86B-54.5/59.499-03-32	54,5 2.146	59,499 2.342	33,0 1.299	32,0 1.260	0,74 1.630	3

Yedek parçalar

Şu kafa için	Ayar vidası	Kartuş	Sıkma vidası	Uç vidası	Anahtar (Bayrak)	Ayar anahtarı	Baskı Pabucu
HF86B 03-32	SH4075S	CARTCYLN16B	LDH4010	C02506-T07P	H2.0-2D	2SMS795	B6027

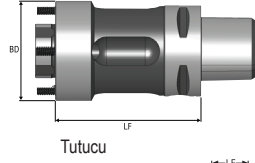
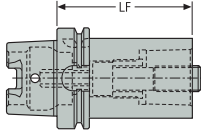
Aksesuarlar

Şu kafa için	Tork anahtarı	Kartuş için tork anahtarı
HF86B 03-32	H00-2020	T00-07P09

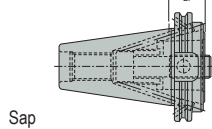
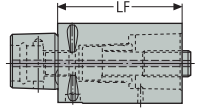
Tork değeri T00-07P09: 0,9 Nm.
Tork değeri H00-2020: 2 Nm.

HF32

Ø 39,5-59,499 mm arası için Seco-Capto™ sap



Tutucu



Sap

Uzatma



Ürün Tanımı Rayba tutucuları	Ürün numarası	LF min	LF max	Konik	BD	Ağırlık
		mm	mm		mm	kg
HF32-050-C3	02688610	-	50	C3	32	0,3
HF32...HSKA63	-	65	245	HSK-A63	32	0,0
HF32...HSKA80	-	100	209	HSK-A80	32	0,0
HF32...HSKA100	-	70	245	HSK-A100	32	0,0
HF32...DIN40ADB	-	60	252	DIN40ADB	32	0,0
HF32...DIN50ADB	-	60	317	DIN50ADB	32	0,0
HF32...BT40ADB	-	65	252	BT40ADB	32	0,0
HF32...BT50ADB	-	75	317	BT50ADB	32	0,0

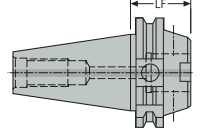
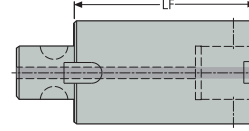
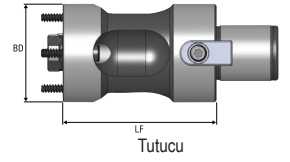
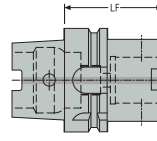
HF32-050-C3 için saplar ve uzatmalar (Daha fazla bilgi için Seco Tutucu Sistemleri kataloğuna bakınız).

Ürün Tanımı Sap	Ürün numarası	LF	Konik	Seco-Capto ebadı	Ağırlık
		mm			kg
C3-390.410-63075C	75039871	75	HSK-A63	C3	0,9
C3-390.410-100080A	75039873	80	HSK-A100	C3	2,3
C3-390B.140-40030	02924104	30	DIN40 ADB	C3	0,8
C3-390B.55-40030	02925959	30	BT40 ADB	C3	0,9
C3-390B.55-40060	02925960	60	BT40 ADB	C3	1,1
C3-390B.140-50030	02924106	30	DIN50 ADB	C3	2,6
C3-390B.140-50060	02924107	60	DIN50 ADB	C3	2,7
C3-390B.58-50040	02925961	40	BT50 ADB	C3	3,5
C3-390B.58-50070	02925962	70	BT50 ADB	C3	3,7

Ürün Tanımı Uzatma	Ürün numarası	LF	Konik	Seco-Capto ebadı	Ağırlık
		mm			kg
C3-391.01-32060A	75039884	-	C3	C3	0,34
C3-391.01-32080A	00090847	-	C3	C3	0,45
C4-391.02-32055A	75039889	-	C4	C3	0,42
C4-391.02-32070A	02535687	-	C4	C3	0,56
C5-391.02-32060A	75039890	-	C5	C3	0,64
C6-391.02-32070A	75039892	-	C6	C3	1,06

HF32

Ø 39,5-59,499 mm arası için Graflex® sap



Uzatma

Sap

Ürün Tanımı Rayba tutucuları	Ürün numarası	LF min	LF max	Konik	BD	Ağırlık
		mm	mm		mm	kg
HF32-050-G3	02698870	-	50	G3	32	0,4
HF32...HSKA63	-	65	245	HSK-A63	32	0,0
HF32...HSKA80	-	100	209	HSK-A80	32	0,0
HF32...HSKA100	-	70	245	HSK-A100	32	0,0
HF32...DIN40ADB	-	60	252	DIN40ADB	32	0,0
HF32...DIN50ADB	-	60	317	DIN50ADB	32	0,0
HF32...BT40ADB	-	65	252	BT40ADB	32	0,0
HF32...BT50ADB	-	75	317	BT50ADB	32	0,0

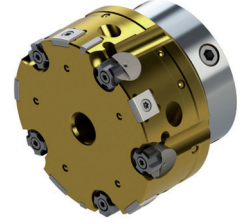
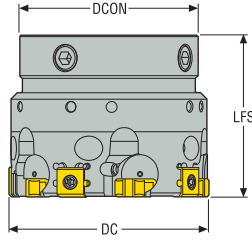
HF32-050-G3 için saplar ve uzatmalar (Daha fazla bilgi için Seco Tutucu Sistemleri kataloğuna bakınız).

Ürün Tanımı Sap	Ürün numarası	LF	Konik	Graflex ebatı	Ağırlık
		mm			kg
EM93044011850	00086918	50	HSK-A63	G3	0,73
EM93064011855	00086925	55	HSK-A100	G3	2,1
EM34694011835	02420097	35	DIN40 ADB	G3	0,91
EM346940118100	02503298	100	DIN40 ADB	G3	1,22
EM34144011840	02503366	40	BT40 ADB	G3	1,07
EM341440118100	02503367	100	BT40 ADB	G3	1,31
EM34714011835	02503307	35	DIN50 ADB	G3	2,67
EM34164011845	02503376	45	BT50 ADB	G3	3,58
EM341640118120	02503377	120	BT50 ADB	G3	3,9

Ürün Tanımı Uzatma	Ürün numarası	LF	Konik	Graflex ebatı	Ağırlık
		mm			kg
M402330	00056758	-	G3	G3	0,24
M402331	75056759	-	G3	G3	0,36

HF85

RNAX uçlar için kafalar, Açık delik 59,5-84,499 mm / 2.343-3.327"



- Uçlar, kaliteler ve geometriler için bakınız sayfa 429-430

Ürün Tanımı	DCN	DCX	LFS	DCON	Ağırlık	Uç
	mm İnç	mm İnç	mm İnç	mm İnç		
HF85-59.5/64.499-05-55	59,5 2.343	64,499 2.539	50,0 1.969	55,0 2.165	1,3 2.870	5
HF85-64.5/69.499-05-55	64,5 2.539	69,499 2.736	50,0 1.969	55,0 2.165	1,5 3.310	5
HF85-69.5/74.499-05-55	69,5 2.736	74,499 2.933	50,0 1.969	55,0 2.165	1,75 3.860	5
HF85-74.5/79.499-05-55	74,5 2.933	79,499 3.130	50,0 1.969	55,0 2.165	2,0 4.410	5
HF85-79.5/84.499-05-55	79,5 3.130	84,499 3.327	50,0 1.969	55,0 2.165	2,2 4.850	5

Yedek parçalar

Şu kafa için	Ayar vidası	Kartuş	Sıkma vidası	Uç vidası	Anahtar (Bayrak)	Ayar anahtarı	Baskı Pabucu
HF85 05-55	SH4075S	CARTCYHF20	LDH4012	C03010-T09P	H2.0-2D	4SMS795	B6027

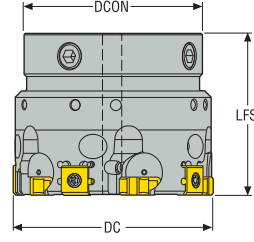
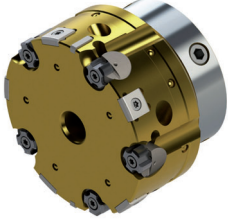
Aksesuarlar

Şu kafa için	Tork anahtarı	Kartuş için tork anahtarı
HF85 05-55	H00-2020	T00-09P20

Tork değeri T00-09P20: 2 Nm.
Tork değeri H00-2020: 2 Nm.

HF85B

RNAX uçlar için kafalar, Kapalı delik 59,5-84,499 mm / 2.343-3.327"



- Uçlar, kaliteler ve geometriler için bakınız sayfa 429-430

Ürün Tanımı	DCN	DCX	LFS	DCN	Ağırlık	Uç
	mm Inç	mm Inç	mm Inç	mm Inç	kg lb	
HF85B-59.5/64.499-05-55	59,5 2.343	64,499 2.539	50,0 1.969	55,0 2.165	1,3 2.870	5
HF85B-64.5/69.499-05-55	64,5 2.539	69,499 2.736	50,0 1.969	55,0 2.165	1,5 3.310	5
HF85B-69.5/74.499-05-55	69,5 2.736	74,499 2.933	50,0 1.969	55,0 2.165	1,75 3.860	5
HF85B-74.5/79.499-05-55	74,5 2.933	79,499 3.130	50,0 1.969	55,0 2.165	2,0 4.410	5
HF85B-79.5/84.499-05-55	79,5 3.130	84,499 3.327	50,0 1.969	55,0 2.165	2,2 4.850	5

Yedek parçalar

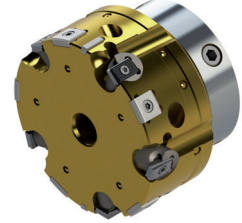
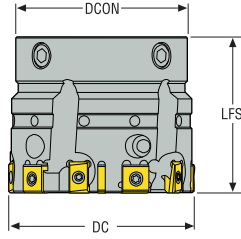
Şu kafa için	Ayar vidası	Kartuş	Sıkma vidası	Uç vidası	Anahtar (Bayrak)	Ayar anahtarı	Baskı Pabucu
HF85B 05-55	SH4075S	CARTCYHF20B	LDH4012	C03010-T09P	H2.0-2D	2SMS795	B6027

Aksesuarlar

Şu kafa için	Tork anahtarı	Kartuş için tork anahtarı
HF85B 05-55	H00-2020	T00-09P20

Tork değeri T00-09P20: 2 Nm.
Tork değeri H00-2020: 2 Nm.

HF86

LNEG uçlar için kafalar, Açık delik \varnothing 59,5-84,499 mm / 2.343-3.327"

- Uçlar, kaliteler ve geometriler için bakınız sayfa 429-430

Ürün Tanımı	DCN	DCX	LFS	DCON	Ağırlık	Uç
	mm İnç	mm İnç	mm İnç	mm İnç		
HF86-59.5-64.499-05-55	59,5 2.343	64,499 2.539	50,0 1.969	55,0 2.165	1,3 2.870	5
HF86-64.5-69.499-05-55	64,5 2.539	69,499 2.736	50,0 1.969	55,0 2.165	1,5 3.310	5
HF86-69.5-74.499-05-55	69,5 2.736	74,499 2.933	50,0 1.969	55,0 2.165	1,75 3.860	5
HF86-74.5-79.499-05-55	74,5 2.933	79,499 3.130	50,0 1.969	55,0 2.165	2,0 4.410	5
HF86-79.5-84.499-05-55	79,5 3.130	84,499 3.327	50,0 1.969	55,0 2.165	2,2 4.850	5

Yedek parçalar

Şu kafa için	Ayar vidası	Kartuş	Sıkma vidası	Uç vidası	Anahtar (Bayrak)	Ayar anahtarı	Baskı Pabucu
HF86 05-55	SH4075S	CARTCYLN20	LDH4010	C02506-T07P	H2.0-2D	2SMS795	B6027

Aksesuarlar

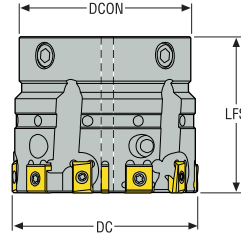
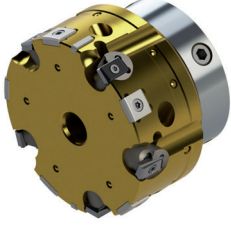
Şu kafa için	Tork anahtarı	Kartuş için tork anahtarı
HF86 05-55	H00-2020	T00-07P09

Tork değeri T00-07P09: 0,9 Nm.

Tork değeri H00-2020: 2 Nm.

HF86B

RNAX uçlar için kafalar, Kapalı delik \varnothing 59,5-84,499 mm / 2.343-3.327"



- Uçlar, kaliteler ve geometriler için bakınız sayfa 429-430

Ürün Tanımı	DCN	DCX	LFS	DCON	Ağırlık	Uç
	mm Inç	mm Inç	mm Inç	mm Inç	kg lb	
HF86B-59.5/64.499-05-55	59,5 2.343	64,499 2.539	50,0 1.969	55,0 2.165	1,3 2.870	5
HF86B-64.5/69.499-05-55	64,5 2.539	69,499 2.736	50,0 1.969	55,0 2.165	1,5 3.310	5
HF86B-69.5/74.499-05-55	69,5 2.736	74,499 2.933	50,0 1.969	55,0 2.165	1,75 3.860	5
HF86B-74.5/79.499-05-55	74,5 2.933	79,499 3.130	50,0 1.969	55,0 2.165	2,0 4.410	5
HF86B-79.5/84.499-05-55	79,5 3.130	84,499 3.327	50,0 1.969	55,0 2.165	2,2 4.850	5

Yedek parçalar

Şu kafa için	Ayar vidası	Kartuş	Sıkma vidası	Uç vidası	Anahtar (Bayrak)	Ayar anahtarı	Baskı Pabucu
HF86B 05-55	SH4075S	CARTCYLN20B	LDH4010	C02506-T07P	H2.0-2D	2SMS795	B6027

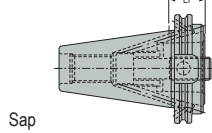
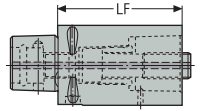
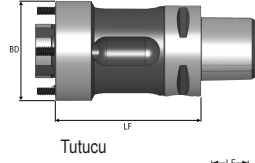
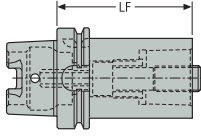
Aksesuarlar

Şu kafa için	Tork anahtarı	Kartuş için tork anahtarı
HF86B 05-55	H00-2020	T00-07P09

Tork değeri T00-07P09: 2 Nm.
Tork değeri H00-2020: 2 Nm.

HF55

Ø 59,5-84,499 mm arası için Seco-Capto™ sap



Uzatma

Sap

Ürün Tanımı Rayba tutucuları	Ürün numarası	LF min	LF max	Konik	BD	Ağırlık
		mm	mm		mm	kg
HF55-080-C5	02688647	-	80	C5	55	1,5
HF55...HSKA63	-	80	239	HSK-A63	55	0,0
HF55...HSKA80	-	100	239	HSK-A80	55	0,0
HF55...HSKA100	-	100	239	HSK-A100	55	0,0
HF55...DIN40ADB	-	80	239	DIN40ADB	55	0,0
HF55...DIN50ADB	-	80	304	DIN50ADB	55	0,0
HF55...BT40ADB	-	80	239	BT40ADB	55	0,0
HF55...BT50ADB	-	80	304	BT50ADB	55	0,0

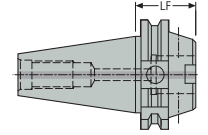
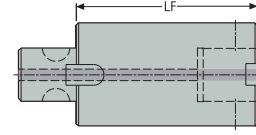
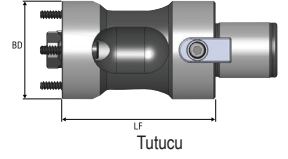
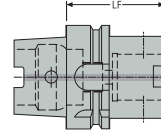
HF55-080-C5 için saplar ve uzatmalar (Daha fazla bilgi için Seco Tutucu Sistemleri kataloğuna bakınız).

Ürün Tanımı Sap	Ürün numarası	LF	Konik	Seco-Capto ebadı	Ağırlık
		mm			kg
C5-390.410-63090C	75039878	90	HSK-A63	C5	1,41
C5-390.410-100100A	75039880	100	HSK-A100	C5	2,9
C5-390B.140-40040	02924112	40	DIN40 ADB	C5	0,9
C5-390B.140-40080	02924113	80	DIN40 ADB	C5	1,5
C5-390B.55-40050	02925967	50	BT40 ADB	C5	1,1
C5-390B.55-40090	02925968	90	BT40 ADB	C5	1,7
C5-390B.140-50030	02924114	30	DIN50 ADB	C5	2,6
C5-390B.140-50070	02924115	70	DIN50 ADB	C5	3,1
C5-390B.58-50040	02925969	40	BT50 ADB	C5	3,4
C5-390B.58-50080	02925970	80	BT50 ADB	C5	4,0

Ürün Tanımı Uzatma	Ürün numarası	LF	Konik	Seco-Capto ebadı	Ağırlık
		mm			kg
C5-391.01-50080A	75039886	-	C5	C5	1,12
C5-391.01-50100A	00004773	-	C5	C5	1,39
C6-391.02-50080A	75039894	-	C6	C5	1,45
C6-391.02-50110A	02207400	-	C6	C5	2,15
C8-391.02-50080B	03080011	-	-	-	2,4

HF55

Ø 59,5-84,499 mm arası için Graflex® sap



Uzatma

Sap

Ürün Tanımı Rayba tutucuları	Ürün numarası	LF min	LF max	Konik	BD	Ağırlık
		mm	mm		mm	kg
HF55-080-G5	02698871	-	80	G5	55	1,3
HF55...HSKA63	-	80	239	HSK-A63	55	0,0
HF55...HSKA80	-	100	239	HSK-A80	55	0,0
HF55...HSKA100	-	100	239	HSK-A100	55	0,0
HF55...DIN40ADB	-	80	239	DIN40ADB	55	0,0
HF55...DIN50ADB	-	80	304	DIN50ADB	55	0,0
HF55...BT40ADB	-	80	239	BT40ADB	55	0,0
HF55...BT50ADB	-	80	304	BT50ADB	55	0,0

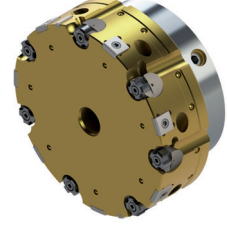
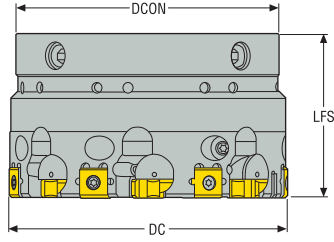
HF55-080-G5 için saplar ve uzatmalar (Daha fazla bilgi için Seco Tutucu Sistemleri kataloğuna bakınız).

Ürün Tanımı Sap	Ürün numarası	LF	Konik	Graflex ebatı	Ağırlık
		mm			kg
EM93044012860	00086920	60	HSK-A63	G5	0,98
EM930440128100	00086921	100	HSK-A63	G5	1,58
EM930440128140	00086922	140	HSK-A63	G5	2,18
EM93064012865	00086927	65	HSK-A100	G5	2,37
EM930640128110	00086928	110	HSK-A100	G5	3,02
EM930640128150	00086929	150	HSK-A100	G5	3,7
EM34694012840	02458421	40	DIN40 ADB	G5	0,93
EM34694012880	02503301	80	DIN40 ADB	G5	1,5
EM346940128120	02503302	120	DIN40 ADB	G5	2,08
EM34144012845	02457989	45	BT40 ADB	G5	1,12
EM34144012880	02503371	80	BT40 ADB	G5	1,54
EM341440128120	02503372	120	BT40 ADB	G5	2,12
EM34714012840	02503312	40	DIN50 ADB	G5	2,75
EM341640128100	02503381	100	BT50 ADB	G5	4,22
EM34164012855	02503380	55	BT50 ADB	G5	4,0
EM341640128140	02503382	140	BT50 ADB	G5	4,8

Ürün Tanımı Uzatma	Ürün numarası	LF	Konik	Graflex ebatı	Ağırlık
		mm			kg
M402550	00056762	-	G5	G5	0,72
M402551	00056763	-	G5	G5	1,12
M402552	00056764	-	G5	G5	1,48

HF85

RNAX uçlar için kafalar, Açık delik 84,5-119,499 mm / 3.327-4.705"



- Uçlar, kaliteler ve geometriler için bakınız sayfa 429-430

Ürün Tanımı	DCN	DCX	LFS	DCON	Ağırlık	Uç
	mm İnç	mm İnç	mm İnç	mm İnç		
HF85-84.5/89.499-07-80	84,5 3.327	89,499 3.524	50,0 1.969	80,0 3.150	1,68 3.700	7
HF85-89.5/94.499-07-80	89,5 3.524	94,499 3.720	50,0 1.969	80,0 3.150	1,85 4.080	7
HF85-94.5/99.499-07-80	94,5 3.720	99,499 3.917	50,0 1.969	80,0 3.150	2,02 4.450	7
HF85-99.5/104.499-07-80	99,5 3.917	104,499 4.114	50,0 1.969	80,0 3.150	2,2 4.850	7
HF85-104.5/109.499-07-80	104,5 4.114	109,499 4.311	50,0 1.969	80,0 3.150	2,4 5.290	7
HF85-109.5/114.499-07-80	109,5 4.311	114,499 4.508	50,0 1.969	80,0 3.150	2,61 5.750	7
HF85-114.5/119.499-07-80	114,5 4.508	119,499 4.705	50,0 1.969	80,0 3.150	2,82 6.220	7

Yedek parçalar

Şu kafa için	Ayar vidası	Kartuş	Sıkma vidası	Uç vidası	Anahtar (Bayrak)	Ayar anahtarı	Baskı Pabucu
HF85 07-80	SH4075S	CARTCYHF20	LDH4012	C03010-T09P	H2.0-2D	4SMS795	B6027

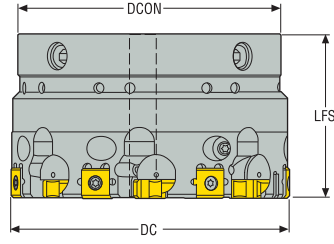
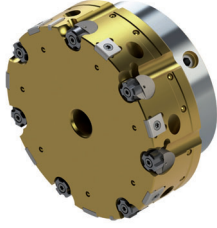
Aksesuarlar

Şu kafa için	Tork anahtarı	Kartuş için tork anahtarı
HF85 07-80	H00-2020	T00-09P20

Tork değeri T00-09P20: 2 Nm.
Tork değeri H00-2020: 2 Nm.

HF85B

RNAX uçlar için kafalar, Kapalı delik 84,5-119,499 mm / 3.327-4.705"



- Uçlar, kaliteler ve geometriler için bakınız sayfa 429-430

Ürün Tanımı	DCN	DCX	LFS	DCN	Ağırlık	Uç
	mm Inç	mm Inç	mm Inç	mm Inç	kg lb	
HF85B-84.5/89.499-07-80	84,5 3.327	89,499 3.524	50,0 1.969	80,0 3.150	1,68 3.700	7
HF85B-89.5/94.499-07-80	89,5 3.524	94,499 3.720	50,0 1.969	80,0 3.150	1,85 4.080	7
HF85B-94.5/99.499-07-80	94,5 3.720	99,499 3.917	50,0 1.969	80,0 3.150	2,02 4.450	7
HF85B-99.5/104.499-07-80	99,5 3.917	104,499 4.114	50,0 1.969	80,0 3.150	2,2 4.850	7
HF85B-104.5/109.499-07-80	104,5 4.114	109,499 4.311	50,0 1.969	80,0 3.150	2,4 5.290	7
HF85B-109.5/114.499-07-80	109,5 4.311	114,499 4.508	50,0 1.969	80,0 3.150	2,61 5.750	7
HF85B-114.5/119.499-07-80	114,5 4.508	119,499 4.705	50,0 1.969	80,0 3.150	2,82 6.220	7

Yedek parçalar

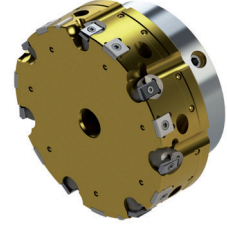
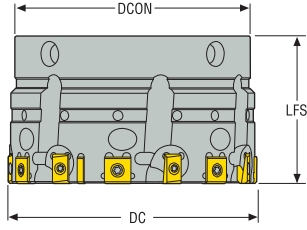
Şu kafa için	Ayar vidası	Kartuş	Sıkma vidası	Uç vidası	Anahtar (Bayrak)	Ayar anahtarı	Baskı Pabucu
HF85B 07-80	SH4075S	CARTCYHF20B	LDH4010	C03010-T09P	H2.0-2D	2SMS795	B6027

Aksesuarlar

Şu kafa için	Tork anahtarı	Kartuş için tork anahtarı
HF85B 07-80	H00-2020	T00-09P20

Tork değeri T00-09P20: 2 Nm.
Tork değeri H00-2020: 2 Nm.

HF86

LNEG uçlar için kafalar, Açık delik \varnothing 84,5-119,499 mm / 3.327-4.705"

- Uçlar, kaliteler ve geometriler için bakınız sayfa 429-430

Ürün Tanımı	DCN	DCX	LFS	DCON	Ağırlık	Uç
	mm İnç	mm İnç	mm İnç	mm İnç		
HF86-84.5/89.499-07-80	84,5 3.327	89,499 3.524	50,0 1.969	80,0 3.150	1,68 3.700	7
HF86-89.5/94.499-07-80	89,5 3.524	94,499 3.720	50,0 1.969	80,0 3.150	1,85 4.080	7
HF86-94.5/99.499-07-80	94,5 3.720	99,499 3.917	50,0 1.969	80,0 3.150	2,02 4.450	7
HF86-99.5/104.499-07-80	99,5 3.917	104,499 4.114	50,0 1.969	80,0 3.150	2,2 4.850	7
HF86-104.5/109.499-07-80	104,5 4.114	109,499 4.311	50,0 1.969	80,0 3.150	2,4 5.290	7
HF86-109.5/114.499-07-80	109,5 4.311	114,499 4.508	50,0 1.969	80,0 3.150	2,61 5.750	7
HF86-114.5/119.499-07-80	114,5 4.508	119,499 4.705	50,0 1.969	80,0 3.150	2,82 6.220	7

Yedek parçalar

Şu kafa için	Ayar vidası	Kartuş	Sıkma vidası	Uç vidası	Anahtar (Bayrak)	Ayar anahtarı	Baskı Pabucu
HF86 07-80	SH4075S	CARTCYLN20	LDH4010	C02506-T07P	H2.0-2D	2SMS795	B6027

Aksesuarlar

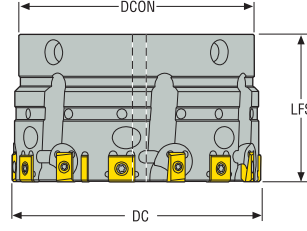
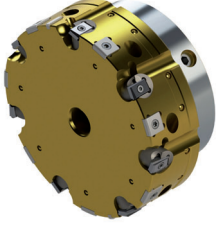
Şu kafa için	Tork anahtarı	Kartuş için tork anahtarı
HF86 07-80	H00-2020	T00-07P09

Tork değeri T00-07P09: 0,9 Nm.

Tork değeri H00-2020: 2 Nm.

HF86B

RNAX uçlar için kafalar, Kapalı delik Ø 84,5-119,499 mm / 3.327-4.705"



- Uçlar, kaliteler ve geometriler için bakınız sayfa 429-430

Ürün Tanımı	DCN	DCX	LFS	DCN	Ağırlık	Uç
	mm Inç	mm Inç	mm Inç	mm Inç	kg lb	
HF86B-84.5/89.499-07-80	84,5 3.327	89,499 3.524	50,0 1.969	80,0 3.150	1,68 3.700	7
HF86B-89.5/94.499-07-80	89,5 3.524	94,499 3.720	50,0 1.969	80,0 3.150	1,85 4.080	7
HF86B-94.5/99.499-07-80	94,5 3.720	99,499 3.917	50,0 1.969	80,0 3.150	2,02 4.450	7
HF86B-99.5/104.499-07-80	99,5 3.917	104,499 4.114	50,0 1.969	80,0 3.150	2,2 4.850	7
HF86B-104.5/109.499-07-80	104,5 4.114	109,499 4.311	50,0 1.969	80,0 3.150	2,4 5.290	7
HF86B-109.5/114.499-07-80	109,5 4.311	114,499 4.508	50,0 1.969	80,0 3.150	2,61 5.750	7
HF86B-114.5/119.499-07-80	114,5 4.508	119,499 4.705	50,0 1.969	80,0 3.150	2,82 6.220	7

Yedek parçalar

Şu kafa için	Ayar vidası	Kartuş	Sıkma vidası	Uç vidası	Anahtar (Bayrak)	Ayar anahtarı	Baskı Pabucu
HF86B	SH4075S	CARTCYLN20B	LDH4010	C02506-T07P	H2.0-2D	2SMS795	B6027

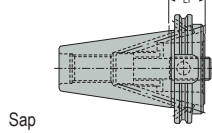
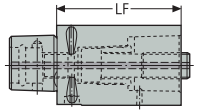
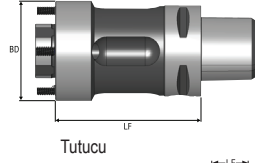
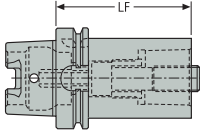
Aksesuarlar

Şu kafa için	Tork anahtarı	Kartuş için tork anahtarı
HF86B	H00-2020	T00-07P09

Tork değeri T00-07P09: 0,9 Nm.
Tork değeri H00-2020: 2 Nm.

HF80

Ø 84,5-119,499 mm arası için Seco-Capto™ sap



Uzatma

Sap

Ürün Tanımı Rayba tutucuları	Ürün numarası	LF min	LF max	Konik	BD	Ağırlık
		mm	mm		mm	kg
HF80-080-C6	02688648	-	80	C6	80	2,5
HF80...HSKA80	-	100	239	HSK-A80	80	0,0
HF80...HSKA100	-	100	239	HSK-A100	80	0,0
HF80...DIN50ADB	-	80	304	DIN50ADB	80	0,0
HF80...BT50ADB	-	80	304	BT50ADB	80	0,0

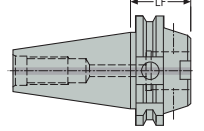
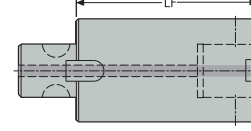
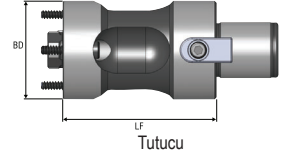
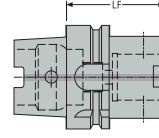
HF80-080-C6 için saplar ve uzatmalar (Daha fazla bilgi için Seco Tutucu Sistemleri kataloğuna bakınız).

Ürün Tanımı Sap	Ürün numarası	LF	Konik	Seco-Capto ebadı	Ağırlık
		mm			kg
C6-390.410-100110A	75039882	110	HSK-A100	C6	3,56
C6-390B.140-40085	02924116	85	DIN40 ADB	C6	1,8
C6-390B.140-50030	02924117	30	DIN50 ADB	C6	2,5
C6-390B.140-50080	02924118	80	DIN50 ADB	C6	3,6
C6-390B.55-40075	02925971	75	BT40 ADB	C6	1,7
C6-390B.58-50100	02925973	100	BT50 ADB	C6	4,6
C6-390B.58-50050	02925972	50	BT50 ADB	C6	3,5

Ürün Tanımı Uzatma	Ürün numarası	LF	Konik	Seco-Capto ebadı	Ağırlık
		mm			kg
C6-391.01-63100A	75039887	-	C6	C6	2,2
C6-391.01-63140A	00004840	-	C6	C6	3,1
C6-391.01-63060	02300834	-	C6	C6	1,31

HF80

Ø 84,5-119,499 mm arası için Graflex® sap



Uzatma

Sap

Ürün Tanımı Rayba tutucuları	Ürün numarası	LF min	LF max	Konik	BD	Ağırlık
		mm	mm		mm	kg
HF80-080-G6	02698873	-	80	G6	80	3,0
HF80...HSKA80	-	100	239	HSK-A80	80	0,0
HF80...HSKA100	-	100	239	HSK-A100	80	0,0
HF80...DIN50ADB	-	80	304	DIN50ADB	80	0,0
HF80...BT50ADB	-	80	304	BT50ADB	80	0,0

HF80-080-G6 için saplar ve uzatmalar (Daha fazla bilgi için Seco Tutucu Sistemleri kataloğuna bakınız).

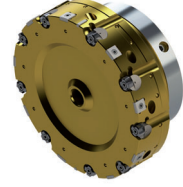
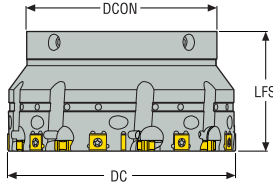
Ürün Tanımı Sap	Ürün numarası	LF	Konik	Graflex ebatı	Ağırlık
		mm			kg
EM93044013670	00086923	70	HSK-A63	G6	1,21
EM930440136120	00086924	120	HSK-A63	G6	2,38
EM930640136120	00086931	120	HSK-A100	G6	3,82
EM930640136160	00086932	160	HSK-A100	G6	4,72
EM34694013660	02503303	60	DIN40 ADB	G6	1,24
EM346940136120	02503304	120	DIN40 ADB	G6	2,65
EM34144013650	02503373	50	BT40 ADB	G6	1,13
EM341440136120	02503374	120	BT40 ADB	G6	2,78
EM34714013645	02503317	45	DIN50 ADB	G6	2,88
EM347140136100	02503318	100	DIN50 ADB	G6	4,1
EM347140136140	02503319	140	DIN50 ADB	G6	4,99
EM34164013663	02503383	63	BT50 ADB	G6	4,2
EM341640136100	02503384	100	BT50 ADB	G6	4,6
EM341640136140	02503385	140	BT50 ADB	G6	5,54

HF32-050-G3 için saplar ve uzatmalar (Daha fazla bilgi için Seco Tutucu Sistemleri kataloğuna bakınız).

Ürün Tanımı Uzatma	Ürün numarası	LF	Konik	Graflex ebatı	Ağırlık
		mm			kg
M402660	00056765	-	G6	G6	1,38
M402661	00056766	-	G6	G6	2,1
M402662	00056767	-	G6	G6	2,82

HF85

RNAX uçlar için kafalar, Açık delik 119,5-154,499 mm / 4.705-6.083"



- Uçlar, kaliteler ve geometriler için bakınız sayfa 429-430

Ürün Tanımı	DCN	DCX	LFS	DCON	Ağırlık	Uç
	mm İnç	mm İnç	mm İnç	mm İnç	kg lb	
HF85-119.5/124.499-09-100	119,5 4.705	124,499 4.902	63,0 2.480	100,0 3.937	3,89 8.580	9 RNAX1005...
HF85-124.5/129.499-09-100	124,5 4.902	129,499 5.098	63,0 2.480	100,0 3.937	4,15 9.150	9 RNAX1005...
HF85-129.5/134.499-09-100	129,5 5.098	134,499 5.295	63,0 2.480	100,0 3.937	4,42 9.740	9 RNAX1005...
HF85-134.5/139.499-09-100	134,5 5.295	139,499 5.492	63,0 2.480	100,0 3.937	4,7 10.360	9 RNAX1005...
HF85-139.5/144.499-09-100	139,5 5.492	144,499 5.689	63,0 2.480	100,0 3.937	4,99 11.000	9 RNAX1005...
HF85-144.5/149.499-09-100	144,5 5.689	149,499 5.886	63,0 2.480	100,0 3.937	5,29 11.660	9 RNAX1005...
HF85-149.5/154.499-09-100	149,5 5.886	154,499 6.083	63,0 2.480	100,0 3.937	5,6 12.350	9 RNAX1005...

Yedek parçalar

Şu kafa için	Ayar vidası	Kartuş	Sıkma vidası	Uç vidası	Anahtar (Bayrak)	Ayar anahtarı	Baskı Pabucu
HF85 09-100	SH4075S	CARTCYHF20	LDH4012	C03010-T09P	H2.0-2D	4SMS795	B6027

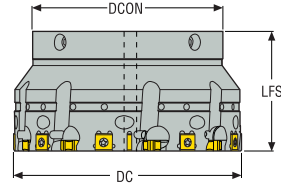
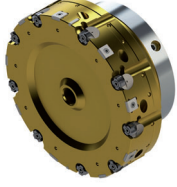
Aksesuarlar

Şu kafa için	Tork anahtarı	Kartuş için tork anahtarı
HF85 09-100	H00-2020	T00-09P20

Tork değeri T00-09P20: 2 Nm.
Tork değeri H00-2020: 2 Nm.

HF85B

RNAX uçlar için kafalar, Kapalı delik 119,5-154,499 mm / 4.705-6.083"



- Uçlar, kaliteler ve geometriler için bakınız sayfa 429-430

Ürün Tanımı	DCN	DCX	LFS	DCN	Ağırlık	Uç
	mm Inç	mm Inç	mm Inç	mm Inç	kg lb	
HF85B-119.5/124.499-09-100	119,5 4.705	124,499 4.902	63,0 2.480	100,0 3.937	3,89 8.580	9 RNAX1005...
HF85B-124.5/129.499-09-100	124,5 4.902	129,499 5.098	63,0 2.480	100,0 3.937	4,15 9.150	9 RNAX1005...
HF85B-134.5/139.499-09-100	134,5 5.295	139,499 5.492	63,0 2.480	100,0 3.937	4,7 10.360	9 RNAX1005...
HF85B-139.5/144.499-09-100	139,5 5.492	144,499 5.689	63,0 2.480	100,0 3.937	4,99 11.000	9 RNAX1005...
HF85B-144.5/149.499-09-100	144,5 5.689	149,499 5.886	63,0 2.480	100,0 3.937	5,29 11.660	9 RNAX1005...
HF85B-149.5/154.499-09-100	149,5 5.886	154,499 6.083	63,0 2.480	100,0 3.937	5,6 12.350	9 RNAX1005...

Yedek parçalar

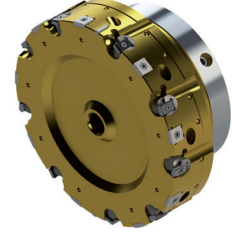
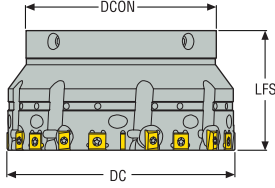
Şu kafa için	Ayar vidası	Kartuş	Sıkma vidası	Uç vidası	Anahtar (Bayrak)	Ayar anahtarı	Baskı Pabucu
HF85B 09-100	SH4075S	CARTCYHF20B	LDH4012	C03010-T09P	H2.0-2D	2SMS795	B6027

Aksesuarlar

Şu kafa için	Tork anahtarı	Kartuş için tork anahtarı
HF85B 09-100	H00-2020	T00-09P20

Tork değeri T00-09P20: 2 Nm.
Tork değeri H00-2020: 2 Nm.

HF86

LNEG uçlar için kafalar, Açık delik \varnothing 119,5-154,499 mm / 4.705-6.083"

- Uçlar, kaliteler ve geometriler için bakınız sayfa 429-430

Ürün Tanımı	DCN	DCX	LFS	DCON	Ağırlık	Uç
	mm İnç	mm İnç	mm İnç	mm İnç		
HF86-119.5/124.499-09-100	119,5 4.705	124,499 4.902	63,0 2.480	100,0 3.937	3,89 8.580	9
HF86-124.5/129.499-09-100	124,5 4.902	129,499 5.098	63,0 2.480	100,0 3.937	4,15 9.150	9
HF86-129.5/134.499-09-100	129,5 5.098	134,499 5.295	63,0 2.480	100,0 3.937	4,42 9.740	9
HF86-134.5/139.499-09-100	134,5 5.295	139,499 5.492	63,0 2.480	100,0 3.937	4,7 10.360	9
HF86-139.5/144.499-09-100	139,5 5.492	144,499 5.689	63,0 2.480	100,0 3.937	4,99 11.000	9
HF86-144.5/149.499-09-100	144,5 5.689	149,499 5.886	63,0 2.480	100,0 3.937	5,29 11.660	9
HF86-149.5/154.499-09-100	149,5 5.886	154,499 6.083	63,0 2.480	100,0 3.937	5,6 12.350	9

Yedek parçalar

Şu kafa için	Ayar vidası	Kartuş	Sıkma vidası	Uç vidası	Anahtar (Bayrak)	Ayar anahtarı	Baskı Pabucu
HF86 09-100	SH4075S	CARTCYHF20	LDH4010	C02506-T07P	H2.0-2D	2SMS795	B6027

Aksesuarlar

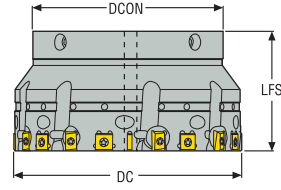
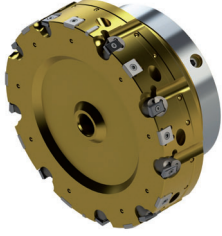
Şu kafa için	Tork anahtarı	Kartuş için tork anahtarı
HF86 09-100	H00-2020	T00-07P09

Tork değeri T00-07P09: 0,9 Nm.

Tork değeri H00-2020: 2 Nm.

HF86B

RNAX uçlar için kafalar, Kapalı delik \varnothing 119,5-154,499 mm / 4.705-6.083"



- Uçlar, kaliteler ve geometriler için bakınız sayfa 429-430

Ürün Tanımı	DCN	DCX	LFS	DCN	Ağırlık	Uç
	mm Inç	mm Inç	mm Inç	mm Inç	kg lb	
HF86B-119.5/124.499-09-100	119,5 4.705	124,499 4.902	63,0 2.480	100,0 3.937	3,89 8.580	9
HF86B-124.5/129.499-09-100	124,5 4.902	129,499 5.098	63,0 2.480	100,0 3.937	4,15 9.150	9
HF86B-129.5/134.499-09-100	129,5 5.098	134,499 5.295	63,0 2.480	100,0 3.937	4,42 9.740	9
HF86B-134.5/139.499-09-100	134,5 5.295	139,499 5.492	63,0 2.480	100,0 3.937	4,7 10.360	9
HF86B-139.5/144.499-09-100	139,5 5.492	144,499 5.689	63,0 2.480	100,0 3.937	4,99 11.000	9
HF86B-144.5/149.499-09-100	144,5 5.689	149,499 5.886	63,0 2.480	100,0 3.937	5,29 11.660	9
HF86B-149.5/154.499-09-100	149,5 5.886	154,499 6.083	63,0 2.480	100,0 3.937	5,6 12.350	9

Yedek parçalar

Şu kafa için	Ayar vidası	Kartuş	Sıkma vidası	Uç vidası	Anahtar (Bayrak)	Ayar anahtarı	Baskı Pabucu
HF86B 09-100	SH4075S	CARTCYLN20B	LDH4010	C02506-T07P	H2.0-2D	2SMS795	B6027

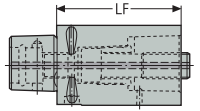
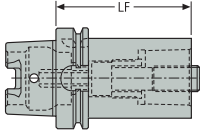
Aksesuarlar

Şu kafa için	Tork anahtarı	Kartuş için tork anahtarı
HF86B 09-100	H00-2020	T00-07P09

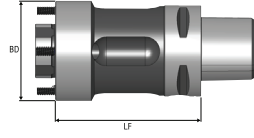
Tork değeri T00-07P09: 0,9 Nm.
Tork değeri H00-2020: 2 Nm.

HF100

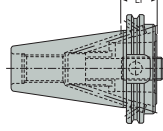
Ø 119,5-154,499mm arası için Seco-Capto™ sap



Uzatma



Tutucu



Sap



Ürün Tanımı Rayba tutucuları	Ürün numarası	LF min	LF max	Konik	BD	Ağırlık
		mm	mm		mm	kg
HF100-100-C8	02688649	-	100	C8	100	4,9
HF100...HSKA80	-	100	238	HSK-A80	100	0,0
HF100...HSKA100	-	100	238	HSK-A100	100	0,0
HF100...DIN50ADB	-	100	238	DIN50ADB	100	0,0
HF100...BT50ADB	-	100	238	BT50ADB	100	0,0

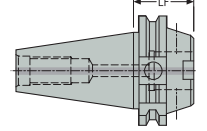
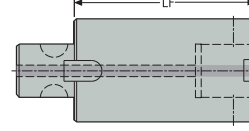
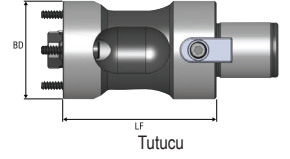
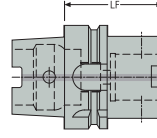
HF100-100-C8 için saplar ve uzatmalar (Daha fazla bilgi için Seco Tutucu Sistemleri kataloğuna bakınız).

Ürün Tanımı Sap	Ürün numarası	LF	Konik	Seco-Capto ebadı	Ağırlık
		mm			kg
C8-390.410-100120A	75039883	120	HSK-A100	C8	4,72
C8-390B.140-50070	02924119	70	DIN50 ADB	C8	3,7
C8-390B.140-50120	02924120	120	DIN50 ADB	C8	5,6
C8-390B.58-50070	02925974	70	BT50 ADB	C8	4,0
C8-390B.58-50120	02925975	120	BT50 ADB	C8	5,9

Ürün Tanımı Uzatma	Ürün numarası	LF	Konik	Seco-Capto ebadı	Ağırlık
		mm			kg
C8-391.01-80100A	75039888	-	C8	C8	3,62
C8-391.01-80125A	00004841	-	C8	C8	4,54

HF100

Ø 119,5-154,499 mm arası için Graflex® sap



Ürün Tanımı Rayba tutucuları	Ürün numarası	LF min	LF max	Konik	BD	Ağırlık
		mm	mm		mm	kg
HF100-100-G7	02698874	-	100	G7	100	5,2
HF100...HSKA80	-	100	238	HSK-A80	100	0,0
HF100...HSKA100	-	100	238	HSK-A100	100	0,0
HF100...DIN50ADB	-	100	238	DIN50ADB	100	0,0
HF100...BT50ADB	-	100	238	BT50ADB	100	0,0

HF100-100-G7 için saplar ve uzatmalar (Daha fazla bilgi için Seco Tutucu Sistemleri kataloğuna bakınız).

Ürün Tanımı Sap	Ürün numarası	LF	Konik	Graflex ebatı	Ağırlık
		mm			kg
EM93064014685	00074385	85	HSK-A100	G7	3,99
EM930640146160	00086933	160	HSK-A100	G7	7,67
EM34714014650	02503320	50	DIN50 ADB	G7	3,23
EM347140146120	02503321	120	DIN50 ADB	G7	6,48
EM347140146200	02503324	200	DIN50 ADB	G7	10,4
EM34164014665	02503386	65	BT50 ADB	G7	4,4
EM341640146120	02503387	120	BT50 ADB	G7	6,8
EM341640146200	02503388	200	BT50 ADB	G7	10,7

Ürün Tanımı Uzatma	Ürün numarası	LF	Konik	Graflex ebatı	Ağırlık
		mm			kg
M402770	00056768	-	G7	G7	2,9
M402771	00056769	-	G7	G7	4,03
M402772	00056770	-	G7	G7	5,8

Kesme verileri – LNEG...-EB45 Metrik

SMG		a_p (°)	f				v_c		
			z=3	z=5	z=7	z=9	RX2000	CF	RX1500
P1	LNEG1003-EB45	0,15-0,25	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	120 (80-200)	180 (120-250)	220 (120-300)
P2	LNEG1003-EB45	0,15-0,25	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	120 (80-200)	180 (120-250)	220 (120-300)
P3	LNEG1003-EB45	0,15-0,25	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	120 (80-200)	180 (120-250)	220 (120-300)
P4	LNEG1003-EB45	0,15-0,25	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	60 (40-120)	80 (60-150)	100 (80-200)
P5	LNEG1003-EB45	0,15-0,25	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	60 (40-120)	80 (60-150)	100 (80-200)
P6	LNEG1003-EB45	0,15-0,25	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	60 (40-120)	80 (60-150)	100 (80-200)
P7	LNEG1003-EB45	0,15-0,25	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	60 (40-120)	80 (60-150)	100 (80-200)
P8	LNEG1003-EB45	0,15-0,25	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	40 (30-70)	60 (50-100)	80 (60-120)
P11	LNEG1003-EB45	0,15-0,25	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	40 (30-70)	60 (50-100)	80 (60-120)
P12	LNEG1003-EB45	0,15-0,25	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	30 (25-55)	45 (40-80)	65 (45-95)
M1	LNEG1003-EB45	0,10-0,20	0,15-0,30	0,25-0,50	0,35-0,70	0,45-0,90	35 (25-60)	-	-
M2	LNEG1003-EB45	0,10-0,20	0,15-0,30	0,25-0,50	0,35-0,70	0,45-0,90	35 (25-60)	-	-
M3	LNEG1003-EB45	0,10-0,20	0,15-0,30	0,25-0,50	0,35-0,70	0,45-0,90	35 (25-60)	-	-
M4	LNEG1003-EB45	0,10-0,20	0,15-0,30	0,25-0,50	0,35-0,70	0,45-0,90	25 (20-50)	-	-
M5	LNEG1003-EB45	0,10-0,20	0,15-0,30	0,25-0,50	0,35-0,70	0,45-0,90	25 (20-50)	-	-
K1	LNEG1003-EB45	0,20-0,50	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	100 (60-200)	-	220 (150-300)
K2	LNEG1003-EB45	0,20-0,50	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	50 (35-80)	-	70 (50-120)
K3	LNEG1003-EB45	0,20-0,50	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	100 (60-200)	-	220 (150-300)
K4	LNEG1003-EB45	0,20-0,50	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	70 (50-120)	100 (60-120)	150 (110-200)
K5	LNEG1003-EB45	0,20-0,50	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	70 (50-120)	100 (60-120)	150 (110-200)
K6	LNEG1003-EB45	0,20-0,50	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	100 (60-200)	-	220 (150-300)
K7	LNEG1003-EB45	0,20-0,50	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	100 (60-200)	-	220 (150-300)
H3	LNEG1003-EB45	0,10-0,20	0,1-0,25	0,15-0,40	0,25-0,5	0,30-0,7	20 (10-30)	-	-
H5	LNEG1003-EB45	0,10-0,20	0,1-0,25	0,15-0,40	0,25-0,5	0,30-0,7	20 (10-30)	-	-
H7	LNEG1003-EB45	0,10-0,20	0,1-0,25	0,15-0,40	0,25-0,5	0,30-0,7	20 (10-30)	-	-
H8	LNEG1003-EB45	0,10-0,20	0,1-0,25	0,15-0,40	0,25-0,5	0,30-0,7	20 (10-30)	-	-
H11	LNEG1003-EB45	0,10-0,20	0,1-0,25	0,15-0,40	0,25-0,5	0,30-0,7	20 (10-30)	-	-
H12	LNEG1003-EB45	0,10-0,20	0,1-0,25	0,15-0,40	0,25-0,5	0,30-0,7	20 (10-30)	-	-
H21	LNEG1003-EB45	0,10-0,20	0,1-0,25	0,15-0,40	0,25-0,5	0,30-0,7	20 (10-30)	-	-
H31	LNEG1003-EB45	0,10-0,20	0,1-0,25	0,15-0,40	0,25-0,5	0,30-0,7	20 (10-30)	-	-

SMG = Seco malzeme grubu

 a_p = mm

f = mm/dev

 v_c = m/dak

Tüm kesme verileri başlangıç değerleridir

Kesme verileri – LNEG...-EB45 inç

SMG		$a_p (\varnothing)$	f				v_c		
			z=3	z=5	z=7	z=9	RX2000	CF	RX1500
P1	LNEG1003-EB45	0.006-0.010	0.006-0.018	0.010-0.030	0.010-0.041	0.018-0.053	395 (260-655)	590 (395-820)	720 (395-985)
P2	LNEG1003-EB45	0.006-0.010	0.006-0.018	0.010-0.030	0.010-0.041	0.018-0.053	395 (260-655)	590 (395-820)	720 (395-985)
P3	LNEG1003-EB45	0.006-0.010	0.006-0.018	0.010-0.030	0.010-0.041	0.018-0.053	395 (260-655)	590 (395-820)	720 (395-985)
P4	LNEG1003-EB45	0.006-0.010	0.006-0.018	0.010-0.030	0.010-0.041	0.018-0.053	195 (130-395)	260 (195-490)	330 (260-655)
P5	LNEG1003-EB45	0.006-0.010	0.006-0.018	0.010-0.030	0.010-0.041	0.018-0.053	195 (130-395)	260 (195-490)	330 (260-655)
P6	LNEG1003-EB45	0.006-0.010	0.006-0.018	0.010-0.030	0.010-0.041	0.018-0.053	195 (130-395)	260 (195-490)	330 (260-655)
P7	LNEG1003-EB45	0.006-0.010	0.006-0.018	0.010-0.030	0.010-0.041	0.018-0.053	195 (130-395)	260 (195-490)	330 (260-655)
P8	LNEG1003-EB45	0.006-0.010	0.006-0.018	0.010-0.030	0.010-0.041	0.018-0.053	130 (100-230)	195 (165-330)	260 (195-395)
P11	LNEG1003-EB45	0.006-0.010	0.006-0.018	0.010-0.030	0.010-0.041	0.018-0.053	130 (100-230)	195 (165-330)	260 (195-395)
P12	LNEG1003-EB45	0.006-0.010	0.006-0.018	0.010-0.030	0.010-0.041	0.010-0.053	100 (85-185)	150 (135-265)	215 (150-315)
M1	LNEG1003-EB45	0.004-0.008	0.006-0.012	0.010-0.020	0.014-0.028	0.018-0.035	115 (80-195)	-	-
M2	LNEG1003-EB45	0.004-0.008	0.006-0.012	0.010-0.020	0.014-0.028	0.018-0.035	115 (80-195)	-	-
M3	LNEG1003-EB45	0.004-0.008	0.006-0.012	0.010-0.020	0.014-0.028	0.018-0.035	115 (80-195)	-	-
M4	LNEG1003-EB45	0.004-0.008	0.006-0.012	0.010-0.020	0.014-0.028	0.018-0.035	80 (65-165)	-	-
M5	LNEG1003-EB45	0.004-0.008	0.006-0.012	0.010-0.020	0.014-0.028	0.018-0.035	80 (65-165)	-	-
K1	LNEG1003-EB45	0.008-0.020	0.006-0.018	0.010-0.030	0.010-0.041	0.018-0.053	330 (195-655)	-	720 (490-985)
K2	LNEG1003-EB45	0.008-0.020	0.006-0.018	0.010-0.030	0.010-0.041	0.018-0.053	165 (115-260)	-	230 (165-395)
K3	LNEG1003-EB45	0.008-0.020	0.006-0.018	0.010-0.030	0.010-0.041	0.018-0.053	330 (195-655)	-	720 (490-985)
K4	LNEG1003-EB45	0.008-0.020	0.006-0.018	0.010-0.030	0.010-0.041	0.018-0.053	230 (165-395)	330 (195-395)	490 (360-655)
K5	LNEG1003-EB45	0.008-0.020	0.006-0.018	0.010-0.030	0.010-0.041	0.018-0.053	230 (165-395)	330 (195-395)	490 (360-655)
K6	LNEG1003-EB45	0.008-0.020	0.006-0.018	0.010-0.030	0.010-0.041	0.018-0.053	330 (195-655)	-	720 (490-985)
K7	LNEG1003-EB45	0.008-0.020	0.006-0.018	0.010-0.030	0.010-0.041	0.018-0.053	330 (195-655)	-	720 (490-985)
H3	LNEG1003-EB45	0.004-0.008	0.004-0.010	0.006-0.016	0.010-0.020	0.012-0.028	65 (35-100)	-	-
H5	LNEG1003-EB45	0.004-0.008	0.004-0.010	0.006-0.016	0.010-0.020	0.012-0.028	65 (35-100)	-	-
H7	LNEG1003-EB45	0.004-0.008	0.004-0.010	0.006-0.016	0.010-0.020	0.012-0.028	65 (35-100)	-	-
H8	LNEG1003-EB45	0.004-0.008	0.004-0.010	0.006-0.016	0.010-0.020	0.012-0.028	65 (35-100)	-	-
H11	LNEG1003-EB45	0.004-0.008	0.004-0.010	0.006-0.016	0.010-0.020	0.012-0.028	65 (35-100)	-	-
H12	LNEG1003-EB45	0.004-0.008	0.004-0.010	0.006-0.016	0.010-0.020	0.012-0.028	65 (35-100)	-	-
H21	LNEG1003-EB45	0.004-0.008	0.004-0.010	0.006-0.016	0.010-0.020	0.012-0.028	65 (35-100)	-	-
H31	LNEG1003-EB45	0.004-0.008	0.004-0.010	0.006-0.016	0.010-0.020	0.012-0.028	65 (35-100)	-	-

SMG = Seco malzeme grubu

$a_p = inç$

f = in/dev

$v_c = sf/dak$

Tüm kesme verileri başlangıç değerleridir

Giriş

Delme

Raybalama

Baralama

Ek

Kesme verileri – LNEG...-EB845 Metrik

SMG		$a_p (\varnothing)$	f				v_c RX2000
			z=3	z=5	z=7	z=9	
P1	LNEG1003-EB845	0,15-0,25	0,15-0,60	0,25-1	0,35-1,4	0,45-1,80	120 (80-200)
P2	LNEG1003-EB845	0,15-0,25	0,15-0,60	0,25-1	0,35-1,4	0,45-1,80	120 (80-200)
P3	LNEG1003-EB845	0,15-0,25	0,15-0,60	0,25-1	0,35-1,4	0,45-1,80	120 (80-200)
P4	LNEG1003-EB845	0,15-0,25	0,15-0,60	0,25-1	0,35-1,4	0,45-1,80	60 (40-120)
P5	LNEG1003-EB845	0,15-0,25	0,15-0,60	0,25-1	0,35-1,4	0,45-1,80	60 (40-120)
P6	LNEG1003-EB845	0,15-0,25	0,15-0,60	0,25-1	0,35-1,4	0,45-1,80	60 (40-120)
P7	LNEG1003-EB845	0,15-0,25	0,15-0,60	0,25-1	0,35-1,4	0,45-1,80	60 (40-120)
P8	LNEG1003-EB845	0,15-0,25	0,15-0,60	0,25-1	0,35-1,4	0,45-1,80	40 (30-70)
P11	LNEG1003-EB845	0,15-0,25	0,15-0,60	0,25-1	0,35-1,4	0,45-1,80	40 (30-70)
P12	LNEG1003-EB845	0,15-0,25	0,15-0,60	0,25-1	0,35-1,4	0,45-1,80	30 (25-55)
M1	LNEG1003-EB845	0,10-0,20	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	35 (25-60)
M2	LNEG1003-EB845	0,10-0,20	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	35 (25-60)
M3	LNEG1003-EB845	0,10-0,20	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	35 (25-60)
M4	LNEG1003-EB845	0,10-0,20	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	25 (20-50)
M5	LNEG1003-EB845	0,10-0,20	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	25 (20-50)
K1	LNEG1003-EB845	0,20-0,50	0,15-0,60	0,25-1	0,35-1,4	0,45-1,80	100 (60-200)
K2	LNEG1003-EB845	0,20-0,50	0,15-0,60	0,25-1	0,35-1,4	0,45-1,80	50 (35-80)
K3	LNEG1003-EB845	0,20-0,50	0,15-0,60	0,25-1	0,35-1,4	0,45-1,80	100 (60-200)
K4	LNEG1003-EB845	0,20-0,50	0,15-0,60	0,25-1	0,35-1,4	0,45-1,80	70 (50-120)
K5	LNEG1003-EB845	0,20-0,50	0,15-0,60	0,25-1	0,35-1,4	0,45-1,80	70 (50-120)
K6	LNEG1003-EB845	0,20-0,50	0,15-0,60	0,25-1	0,35-1,4	0,45-1,80	100 (60-200)
K7	LNEG1003-EB845	0,20-0,50	0,15-0,60	0,25-1	0,35-1,4	0,45-1,80	100 (60-200)

SMG = Seco malzeme grubu

 a_p = mm

f = mm/dev

 v_c = m/dak

Tüm kesme verileri başlangıç değerleridir

Giriş

Delme

Raybalama

Baralama

Ek

Kesme verileri – LNEG...-EB845 inç

SMG		a_p (Ø)	f				v_c RX2000
			z=3	z=5	z=7	z=9	
P1	LNEG1003-EB845	0.006-0.010	0.006-0.024	0.010-0.039	0.014-0.055	0.018-0.071	395 (260-655)
P2	LNEG1003-EB845	0.006-0.010	0.006-0.024	0.010-0.039	0.014-0.055	0.018-0.071	395 (260-655)
P3	LNEG1003-EB845	0.006-0.010	0.006-0.024	0.010-0.039	0.014-0.055	0.018-0.071	395 (260-655)
P4	LNEG1003-EB845	0.006-0.010	0.006-0.024	0.010-0.039	0.014-0.055	0.018-0.071	195 (130-395)
P5	LNEG1003-EB845	0.006-0.010	0.006-0.024	0.010-0.039	0.014-0.055	0.018-0.071	195 (130-395)
P6	LNEG1003-EB845	0.006-0.010	0.006-0.024	0.010-0.039	0.014-0.055	0.018-0.071	195 (130-395)
P7	LNEG1003-EB845	0.006-0.010	0.006-0.024	0.010-0.039	0.014-0.055	0.018-0.071	195 (130-395)
P8	LNEG1003-EB845	0.006-0.010	0.006-0.024	0.010-0.039	0.014-0.055	0.018-0.071	130 (100-230)
P11	LNEG1003-EB845	0.006-0.010	0.006-0.024	0.010-0.039	0.014-0.055	0.018-0.071	130 (100-230)
P12	LNEG1003-EB845	0.006-0.010	0.006-0.024	0.010-0.039	0.014-0.055	0.018-0.071	100 (85-185)
M1	LNEG1003-EB845	0.004-0.008	0.006-0.018	0.010-0.030	0.010-0.041	0.018-0.053	115 (80-195)
M2	LNEG1003-EB845	0.004-0.008	0.006-0.018	0.010-0.030	0.010-0.041	0.018-0.053	115 (80-195)
M3	LNEG1003-EB845	0.004-0.008	0.006-0.018	0.010-0.030	0.010-0.041	0.018-0.053	115 (80-195)
M4	LNEG1003-EB845	0.004-0.008	0.006-0.018	0.010-0.030	0.010-0.041	0.018-0.053	80 (65-165)
M5	LNEG1003-EB845	0.004-0.008	0.006-0.018	0.010-0.030	0.010-0.041	0.018-0.053	80 (65-165)
K1	LNEG1003-EB845	0.008-0.020	0.006-0.024	0.010-0.039	0.014-0.055	0.018-0.071	330 (195-655)
K2	LNEG1003-EB845	0.008-0.020	0.006-0.024	0.010-0.039	0.014-0.055	0.018-0.071	165 (115-260)
K3	LNEG1003-EB845	0.008-0.020	0.006-0.024	0.010-0.039	0.014-0.055	0.018-0.071	330 (195-655)
K4	LNEG1003-EB845	0.008-0.020	0.006-0.024	0.010-0.039	0.014-0.055	0.018-0.071	230 (165-395)
K5	LNEG1003-EB845	0.008-0.020	0.006-0.024	0.010-0.039	0.014-0.055	0.018-0.071	230 (165-395)
K6	LNEG1003-EB845	0.008-0.020	0.006-0.024	0.010-0.039	0.014-0.055	0.018-0.071	330 (195-655)
K7	LNEG1003-EB845	0.008-0.020	0.006-0.024	0.010-0.039	0.014-0.055	0.018-0.071	330 (195-655)

SMG = Seco malzeme grubu

a_p = inç

f = in/dev

v_c = sf/dak

Tüm kesme verileri başlangıç değerleridir

Kesme verileri – LNEG...-EB1570 Metrik

SMG		a_p (°)	f				v_c RX2000
			z=3	z=5	z=7	z=9	
P4	LNEG1005-EB1570	0,15-0,25	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	60 (40-120)
P5	LNEG1005-EB1570	0,15-0,25	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	60 (40-120)
P6	LNEG1005-EB1570	0,15-0,25	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	60 (40-120)
P7	LNEG1005-EB1570	0,15-0,25	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	60 (40-120)
P8	LNEG1005-EB1570	0,15-0,25	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	40 (30-70)
P11	LNEG1005-EB1570	0,15-0,25	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	40 (30-70)
P12	LNEG1005-EB1570	0,15-0,25	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	30 (25-55)
K1	LNEG1005-EB1570	0,20-0,50	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	100 (60-200)
K2	LNEG1005-EB1570	0,20-0,50	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	50 (35-80)
K3	LNEG1005-EB1570	0,20-0,50	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	100 (60-200)
K4	LNEG1005-EB1570	0,20-0,50	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	70 (50-120)
K5	LNEG1005-EB1570	0,20-0,50	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	70 (50-120)
K6	LNEG1005-EB1570	0,20-0,50	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	100 (60-200)
K7	LNEG1005-EB1570	0,20-0,50	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	100 (60-200)

SMG = Seco malzeme grubu

 a_p = mm

f = mm/dev

 v_c = m/dak

Tüm kesme verileri başlangıç değerleridir

Kesme verileri – LNEG...-EB1570 inç

SMG		a_p (°)	f				v_c RX2000
			z=3	z=5	z=7	z=9	
P4	LNEG1005-EB1570	0.006–0.010	0.006–0.018	0.010–0.030	0.010–0.041	0.018–0.053	195 (130–395)
P5	LNEG1005-EB1570	0.006–0.010	0.006–0.018	0.010–0.030	0.010–0.041	0.018–0.053	195 (130–395)
P6	LNEG1005-EB1570	0.006–0.010	0.006–0.018	0.010–0.030	0.010–0.041	0.018–0.053	195 (130–395)
P7	LNEG1005-EB1570	0.006–0.010	0.006–0.018	0.010–0.030	0.010–0.041	0.018–0.053	195 (130–395)
P8	LNEG1005-EB1570	0.006–0.010	0.006–0.018	0.010–0.030	0.010–0.041	0.018–0.053	130 (100–230)
P11	LNEG1005-EB1570	0.006–0.010	0.006–0.018	0.010–0.030	0.010–0.041	0.018–0.053	130 (100–230)
P12	LNEG1005-EB1570	0.006–0.010	0.006–0.018	0.010–0.030	0.010–0.041	0.018–0.053	100 (85–185)
K1	LNEG1005-EB1570	0.008–0.020	0.006–0.018	0.010–0.030	0.010–0.041	0.018–0.053	330 (195–655)
K2	LNEG1005-EB1570	0.008–0.020	0.006–0.018	0.010–0.030	0.010–0.041	0.018–0.053	165 (115–260)
K3	LNEG1005-EB1570	0.008–0.020	0.006–0.018	0.010–0.030	0.010–0.041	0.018–0.053	330 (195–655)
K4	LNEG1005-EB1570	0.008–0.020	0.006–0.018	0.010–0.030	0.010–0.041	0.018–0.053	230 (165–395)
K5	LNEG1005-EB1570	0.008–0.020	0.006–0.018	0.010–0.030	0.010–0.041	0.018–0.053	230 (165–395)
K6	LNEG1005-EB1570	0.008–0.020	0.006–0.018	0.010–0.030	0.010–0.041	0.018–0.053	330 (195–655)
K7	LNEG1005-EB1570	0.008–0.020	0.006–0.018	0.010–0.030	0.010–0.041	0.018–0.053	330 (195–655)

SMG = Seco malzeme grubu

 a_p = inç

f = in/dev

 v_c = sf/dak

Tüm kesme verileri başlangıç değerleridir

Kesme verileri – RNAX...-EB45 Metrik

SMG		a_p (Ø)	f				v_c	
			z=3	z=5	z=6	z=9	RX2000	RX1500
K1	RNAX1005-EB45	0,20-0,50	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	100 (60-200)	220 (150-300)
K2	RNAX1005-EB45	0,20-0,50	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	50 (35-80)	70 (50-120)
K3	RNAX1005-EB45	0,20-0,50	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	100 (60-200)	220 (150-300)
K4	RNAX1005-EB45	0,20-0,50	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	70 (50-120)	150 (110-200)
K5	RNAX1005-EB45	0,20-0,50	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	70 (50-120)	150 (110-200)
K6	RNAX1005-EB45	0,20-0,50	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	100 (60-200)	220 (150-300)
K7	RNAX1005-EB45	0,20-0,50	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	100 (60-200)	220 (150-300)

SMG = Seco malzeme grubu

 a_p = mm

f = mm/dev

 v_c = m/dak

Tüm kesme verileri başlangıç değerleridir

Kesme verileri – RNAX...-EB45 inç

SMG		a_p (inç)	f				v_c	
			z=3	z=5	z=6	z=9	RX2000	RX1500
K1	RNAX1005-EB45	0.008–0.020	0.006–0.018	0.010–0.030	0.010–0.041	0.018–0.053	330 (195-655)	720 (490-985)
K2	RNAX1005-EB45	0.008–0.020	0.006–0.018	0.010–0.030	0.010–0.041	0.018–0.053	165 (115-260)	230 (165-395)
K3	RNAX1005-EB45	0.008–0.020	0.006–0.018	0.010–0.030	0.010–0.041	0.018–0.053	330 (195-655)	720 (490-985)
K4	RNAX1005-EB45	0.008–0.020	0.006–0.018	0.010–0.030	0.010–0.041	0.018–0.053	230 (165-395)	490 (360-655)
K5	RNAX1005-EB45	0.008–0.020	0.006–0.018	0.010–0.030	0.010–0.041	0.018–0.053	230 (165-395)	490 (360-655)
K6	RNAX1005-EB45	0.008–0.020	0.006–0.018	0.010–0.030	0.010–0.041	0.018–0.053	330 (195-655)	720 (490-985)
K7	RNAX1005-EB45	0.008–0.020	0.006–0.018	0.010–0.030	0.010–0.041	0.018–0.053	330 (195-655)	720 (490-985)

SMG = Seco malzeme grubu

 a_p = inç

f = in/dev

 v_c = sf/dak

Tüm kesme verileri başlangıç değerleridir

Kesme verileri – RNAX...-EB845 Metrik

SMG		a_p (°)	f				v_c	
			z=3	z=5	z=6	z=9	RX2000	RX1500
K1	RNAX1005-EB845	0,20-0,50	0,15-0,60	0,25-1	0,35-1,4	0,45-1,80	100 (60-200)	220 (150-300)
K2	RNAX1005-EB845	0,20-0,50	0,15-0,60	0,25-1	0,35-1,4	0,45-1,80	50 (35-80)	70 (50-120)
K3	RNAX1005-EB845	0,20-0,50	0,15-0,60	0,25-1	0,35-1,4	0,45-1,80	100 (60-200)	220 (150-300)
K4	RNAX1005-EB845	0,20-0,50	0,15-0,60	0,25-1	0,35-1,4	0,45-1,80	70 (50-120)	150 (110-200)
K5	RNAX1005-EB845	0,20-0,50	0,15-0,60	0,25-1	0,35-1,4	0,45-1,80	70 (50-120)	150 (110-200)
K6	RNAX1005-EB845	0,20-0,50	0,15-0,60	0,25-1	0,35-1,4	0,45-1,80	100 (60-200)	220 (150-300)
K7	RNAX1005-EB845	0,20-0,50	0,15-0,60	0,25-1	0,35-1,4	0,45-1,80	100 (60-200)	220 (150-300)

SMG = Seco malzeme grubu

 a_p = mm

f = mm/dev

 v_c = m/dak

Tüm kesme verileri başlangıç değerleridir

Kesme verileri – RNAX...-EB845 inç

SMG		a_p (°)	f				v_c	
			z=3	z=5	z=6	z=9	RX2000	RX1500
K1	RNAX1005-EB845	0,008–0,020	0,006–0,024	0,010–0,039	0,014–0,055	0,018–0,071	330 (195-655)	720 (490-985)
K2	RNAX1005-EB845	0,008–0,020	0,006–0,024	0,010–0,039	0,014–0,055	0,018–0,071	165 (115-260)	230 (165-395)
K3	RNAX1005-EB845	0,008–0,020	0,006–0,024	0,010–0,039	0,014–0,055	0,018–0,071	330 (195-655)	720 (490-985)
K4	RNAX1005-EB845	0,008–0,020	0,006–0,024	0,010–0,039	0,014–0,055	0,018–0,071	230 (165-395)	490 (360-655)
K5	RNAX1005-EB845	0,008–0,020	0,006–0,024	0,010–0,039	0,014–0,055	0,018–0,071	230 (165-395)	490 (360-655)
K6	RNAX1005-EB845	0,008–0,020	0,006–0,024	0,010–0,039	0,014–0,055	0,018–0,071	330 (195-655)	720 (490-985)
K7	RNAX1005-EB845	0,008–0,020	0,006–0,024	0,010–0,039	0,014–0,055	0,018–0,071	330 (195-655)	720 (490-985)

SMG = Seco malzeme grubu

 a_p = inç

f = in/dev

 v_c = sf/dak

Tüm kesme verileri başlangıç değerleridir

Kesme verileri – RNAX...-EB1570 Metrik

SMG		a_p (Ø)	f				v_c	
			z=3	z=5	z=6	z=9	RX2000	RX1500
K1	RNAX1005-EB1570	0,20-0,50	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	100 (60-200)	220 (150-300)
K2	RNAX1005-EB1570	0,20-0,50	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	50 (35-80)	70 (50-120)
K3	RNAX1005-EB1570	0,20-0,50	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	100 (60-200)	220 (150-300)
K4	RNAX1005-EB1570	0,20-0,50	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	70 (50-120)	150 (110-200)
K5	RNAX1005-EB1570	0,20-0,50	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	70 (50-120)	150 (110-200)
K6	RNAX1005-EB1570	0,20-0,50	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	100 (60-200)	220 (150-300)
K7	RNAX1005-EB1570	0,20-0,50	0,15-0,45	0,25-0,75	0,25-1,05	0,45-1,35	100 (60-200)	220 (150-300)

SMG = Seco malzeme grubu

 a_p = mm

f = mm/dev

 v_c = m/dak

Tüm kesme verileri başlangıç değerleridir

Kesme verileri – RNAX...-EB1570 inç

SMG		a_p (Ø)	f				v_c	
			z=3	z=5	z=6	z=9	RX2000	RX1500
K1	RNAX1005-EB1570	0.008–0.020	0.006–0.018	0.010–0.030	0.010–0.041	0.018–0.053	330 (195-655)	720 (490- 985)
K2	RNAX1005-EB1570	0.008–0.020	0.006–0.018	0.010–0.030	0.010–0.041	0.018–0.053	165 (115-260)	230 (165- 395)
K3	RNAX1005-EB1570	0.008–0.020	0.006–0.018	0.010–0.030	0.010–0.041	0.018–0.053	330 (195-655)	720 (490- 985)
K4	RNAX1005-EB1570	0.008–0.020	0.006–0.018	0.010–0.030	0.010–0.041	0.018–0.053	230 (165-395)	490 (360- 655)
K5	RNAX1005-EB1570	0.008–0.020	0.006–0.018	0.010–0.030	0.010–0.041	0.018–0.053	230 (165-395)	490 (360- 655)
K6	RNAX1005-EB1570	0.008–0.020	0.006–0.018	0.010–0.030	0.010–0.041	0.018–0.053	330 (195-655)	720 (490- 985)
K7	RNAX1005-EB1570	0.008–0.020	0.006–0.018	0.010–0.030	0.010–0.041	0.018–0.053	330 (195-655)	720 (490- 985)

SMG = Seco malzeme grubu

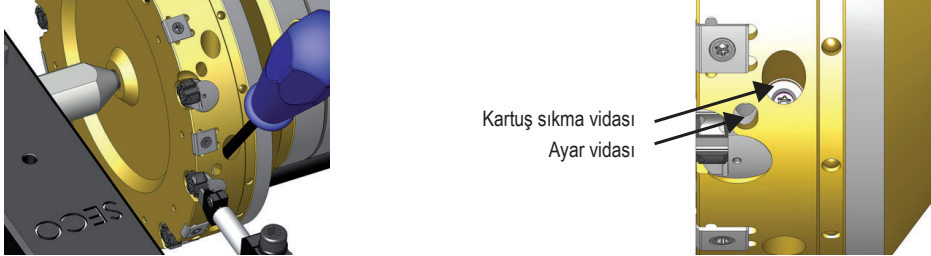
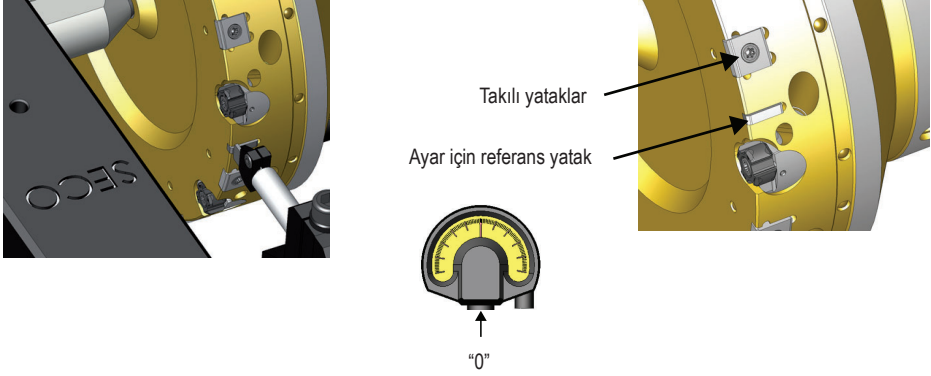
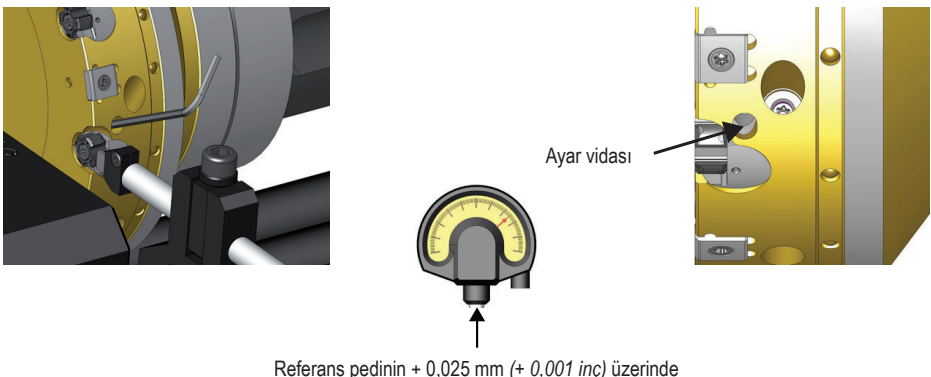

 a_p = inç

f = in/dev

 v_c = sf/dak

Tüm kesme verileri başlangıç değerleridir

Ayar talimatları

<p>1.</p> <ul style="list-style-type: none"> • Kartuş sıkma vidasını gevşetin. • Ucu döndürün veya değiştirin. • Ayar vidasını 1/4 tur gevşetin ve kartuşu geri itin. • Kartuş sıkma vidasını yaklaşık 0,5 Nm (4,4 inç/lb) torkla hafifçe yeniden sıkın. 		Giriş
<p>2.</p> <ul style="list-style-type: none"> • Referans yataкта saati sıfırlayın. • Ölçme noktasının giriş açısından sonra olduğundan emin olun. 		Deleme
<p>3.</p> <ul style="list-style-type: none"> • Ayar vidasını kullanarak ucu referans yatağının 0,025 mm (0,001 inç) üzerine ayarlayın. • Bu ayarlamayı tüm uçlara uygulayın. 		Raybalama
<p>4.</p> <ul style="list-style-type: none"> • Son olarak kartuş sıkma vidasını sıkın (2Nm) (17,7 inç/lb). 		Baralama

Not: Ayarlama sırasında gerekli çap değeri aşırsa ayar vidalarında boşluk olmasını engellemek için tekrar baştan başlayın.

Ayar talimatları, adaptör

Giriş

Delme

Raybalama

Baralama

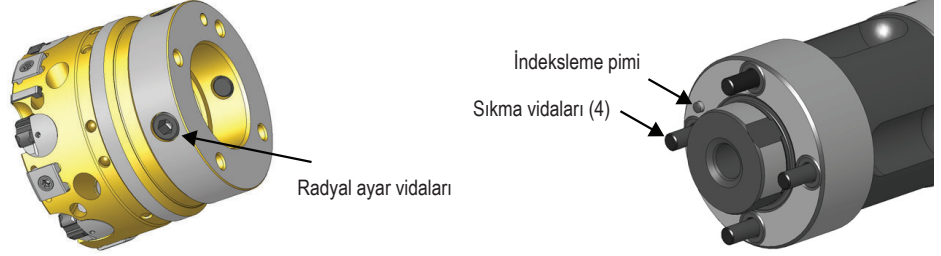
Ek

1.

Montaj

- Temas yüzeylerini iyice temizleyin.
- Montaja engel olmaması için 4 radyal ayar vidasını gevşetin.
- Rayba kafasını adaptörün üzerine koyun (indeksleme pimi) ve 4 sıkma vidasını sıkın.

Montaj (şekil 1)

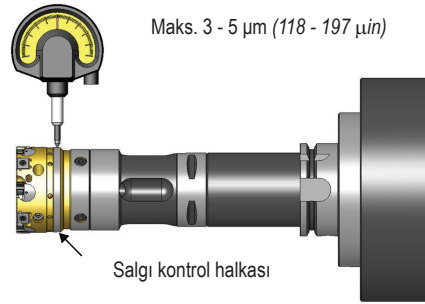


2.

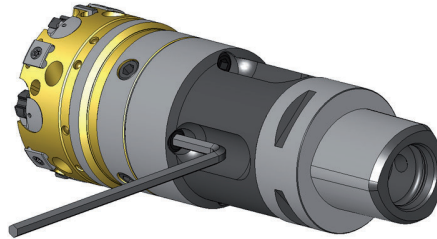
Ayarlama

- Takımı fener miline bağlayın.
- μm saatini şekil 2'deki gibi yerleştirin.
- Elle serbestçe dönebilmesi için fener milini serbest bırakın.
- Salgı düzeltmeyi 4 ayar vidasını kullanarak yapın (şekil 3).
- Maks. salgı $5 \mu\text{m}$ ($197 \mu\text{in}$).
- Salgı değerleri $10 \mu\text{m}$ ($394 \mu\text{in}$) değerinin altına düştüğü zaman, son bağlama işlemini (şekil 1) tavsiye edilen tork değerlerine bakarak yapın.

Tezgah fener mili üzerinde ayarlama (şekil 2)



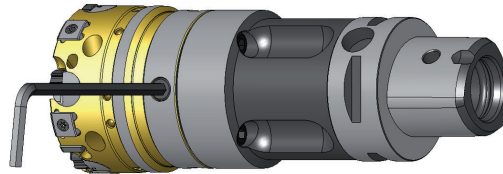
Sıkma vidaları (şekil 3)



3.

- Salgı ayarını tamamlayın, maks. $5 \mu\text{m}$ (maks. $197 \mu\text{in}$).

Radyal ayar vidaları (şekil 4)



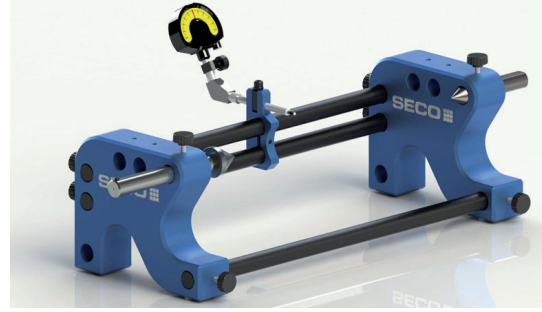
Sıkma torku tablosu

Çap mm	Çap inç	Adaptör ebadı	Bağlama vidası	Sıkma torku Nm	inç/lb cinsinden sıkma torku
39,5-59.499	1,555-2,342	HF32	CHC M3 x 16	2,7	24
59,5-84.499	2,342-3,372	HF55	CHC M5 x 25	5,7	50
84,5-119.499	3,372-4,705	HF80	CHC M6 x 25	9,8	87
119,5-154.499	4,705-6,083	HF100	CHC M8 x 30	24	212

Ayarlama fikstürü - Tek saatli ayar fikstürü

SF-210340-C160: Sipariş ve Parça No. 02885391

- Yatay gövde
- Xfix raybalar için ilk tercih
- 1 ayar saati
- Maksimum takım \varnothing : 210 mm (8,268 inç)
- Maksimum takım boyu: 340 mm (13,386 inç)
- HSK 63/80/100 ve Capto C8 için ek \varnothing 57 mm (2,244 inç) yaylı punta
- SSC5700 merkezleme puntası teslimata dahildir



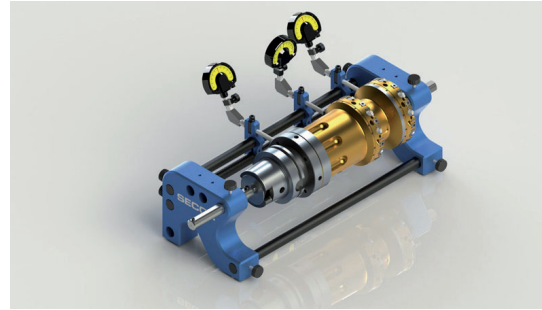
SF-210290V-C160: Sipariş ve Parça No. 02885392

- Dikey gövde
- Xfix raybalar için ilk tercih
- Maksimum takım \varnothing : 210 mm (8,268 inç)
- Maksimum takım boyu: 290 mm (11,417 inç)
- HSK 63/80/100 ve Capto C8 için ek \varnothing 57 mm (2,244 inç) yaylı punta
- SSC5700 merkezleme puntası teslimata dahildir



Ayarlama fikstürü – Çok saatli

Çok saatli ayarla ilgili daha fazla ayrıntı için bkz. ayarlama fikstürü bölümü, sayfa 485-490



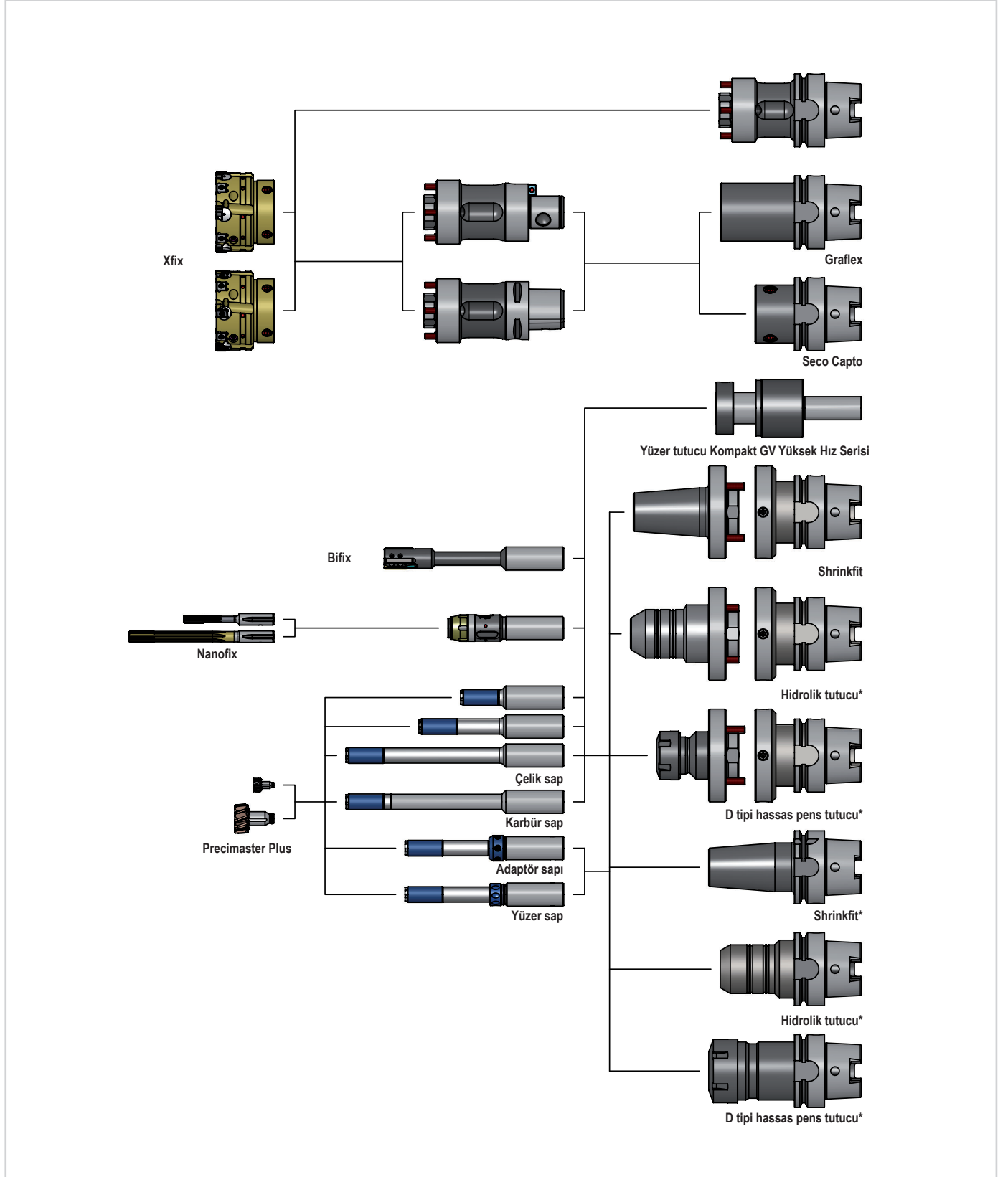
Tutuculara genel bakış



Çap mm	Çap inç	Maks. çap/ boy oranı
39,5-59.499	1,555-2,342	6,5 x D
59,5-84.499	2,342-3,372	4,5 x D
84,5-119.499	3,372-4,705	3,3 x D
119,5-154.499	4,705-6,083	2,5 x D

Not: Çap > 100 mm (3,937 inç) veya L > 3 x D için tezgahın maksimum takım ağırlık kapasitesini kontrol edin.

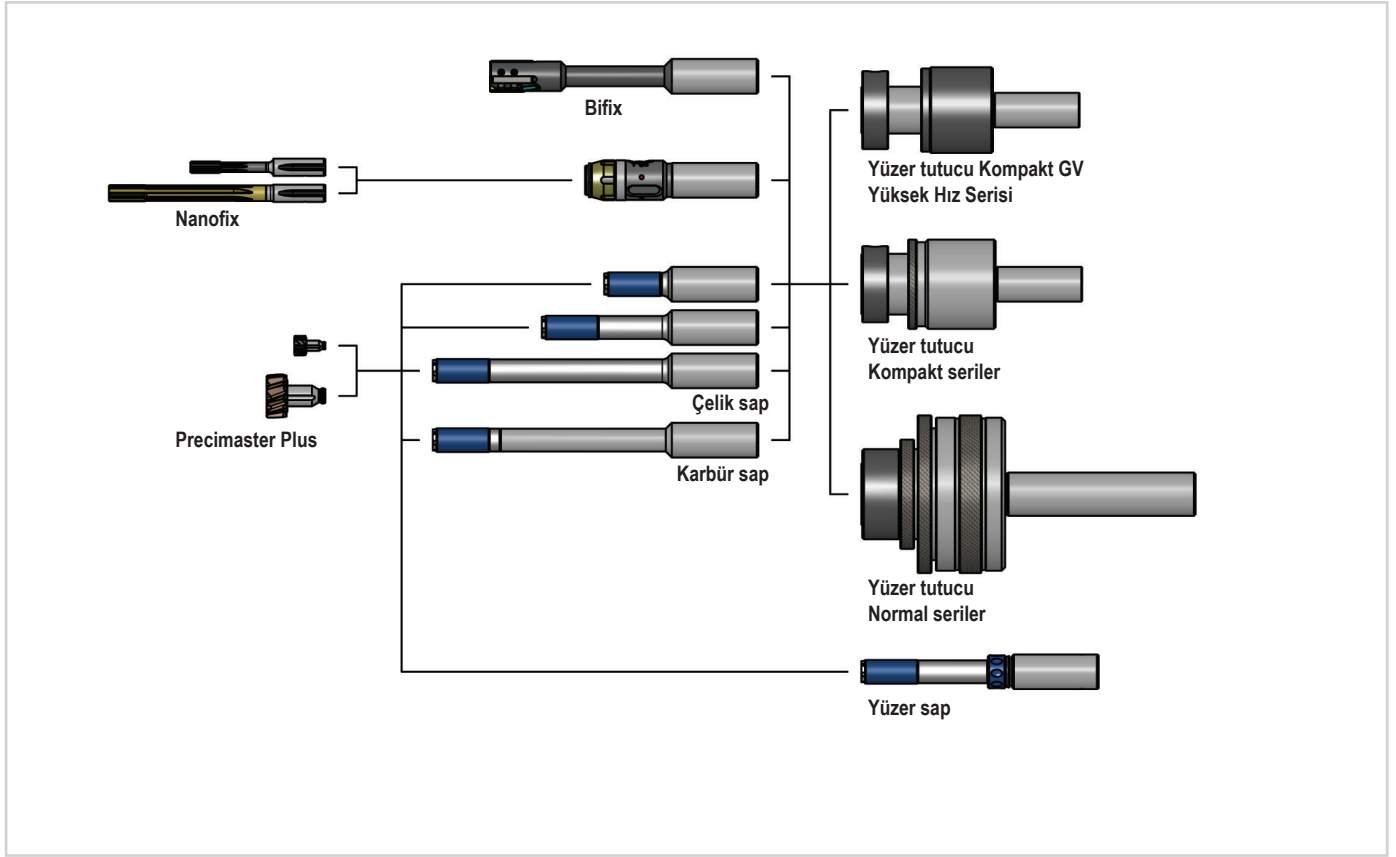
Dönen takım uygulamaları



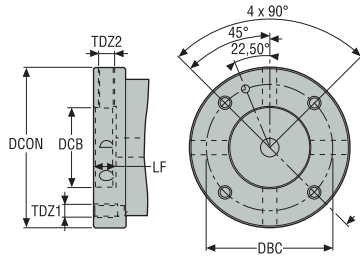
*TAKIM TUTUCULAR kataloğuna bakın

Sağlam montaj ile en iyi performans elde edilir (Hidrolik tutucu, D tipi veya Shrinkfit)

Sabit uygulamalar

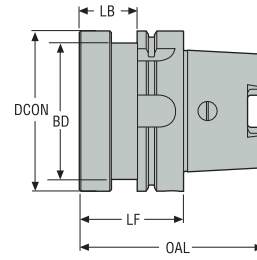


Flanş ölçüleri



DCON	DBC +/- 0,1	DCB F8	LF	TDZ1	TDZ2
60	44	30	12	M5	M8x1
70	53	35	12	M6	M8x1
80	63	40	12	M6	M8x1
100	79	50	14	M8	M10x1
117	96	60	14	M8	M10x1
140	119	80	14	M10	M10x1

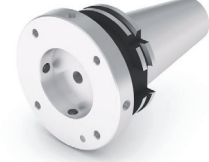
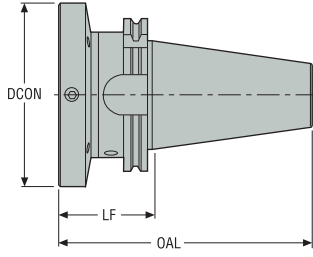
Arka bağlantı HSK-A



- Not: Soğutma sıvısı tüpü ve vidaları teslimata dahildir

Ürün Tanımı	Ürün numarası	Konik	DCON	BD	LB	LF	OAL	Ağırlık
			mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	kg lb
SAH-23405100001	02836663	HSK-A 100	60,0 2.362	60,0 2.362	26,0 1.024	55,0 2.165	105,0 4.134	2,5 5.510
SAH-23405100002	02836665	HSK-A 100	80,0 3.150	80,0 3.150	26,0 1.024	55,0 2.165	105,0 4.134	2,9 6.390
SAH-23405100003	02836666	HSK-A 100	100,0 3.937	85,0 3.346	36,0 1.417	65,0 2.559	115,0 4.528	3,5 7.720
SAH-23405100007	02836664	HSK-A 100	70,0 2.756	70,0 2.756	26,0 1.024	55,0 2.165	105,0 4.134	2,8 6.170
SAH-2340540001	02836564	HSK-A 40	60,0 2.362	34,0 1.339	35,0 1.378	55,0 2.165	75,0 2.953	0,8 1.760
SAH-2340550001	02836566	HSK-A 50	60,0 2.362	42,0 1.654	34,0 1.339	60,0 2.362	85,0 3.346	0,95 2.090
SAH-2340550002	02836573	HSK-A 50	80,0 3.150	42,0 1.654	34,0 1.339	60,0 2.362	85,0 3.346	1,2 2.650
SAH-2340550003	02836567	HSK-A 50	70,0 2.756	42,0 1.654	34,0 1.339	60,0 2.362	85,0 3.346	1,0 2.200
SAH-2340563001	02836574	HSK-A 63	60,0 2.362	53,0 2.087	34,0 1.339	60,0 2.362	92,0 3.622	1,2 2.650
SAH-2340563002	02836576	HSK-A 63	80,0 3.150	53,0 2.087	34,0 1.339	60,0 2.362	92,0 3.622	1,4 3.090
SAH-2340563003	02836575	HSK-A 63	70,0 2.756	53,0 2.087	34,0 1.339	60,0 2.362	92,0 3.622	1,3 2.870
SAH-2340563004	02836577	HSK-A 63	100,0 3.937	53,0 2.087	39,0 1.535	65,0 2.559	97,0 3.819	1,95 4.300
SAH-2340580001	02836655	HSK-A 80	60,0 2.362	60,0 2.362	24,0 0.945	50,0 1.969	90,0 3.543	1,4 3.090
SAH-2340580002	02836658	HSK-A 80	80,0 3.150	67,0 2.638	34,0 1.339	60,0 2.362	100,0 3.937	1,6 3.530
SAH-2340580003	02836657	HSK-A 80	70,0 2.756	67,0 2.638	34,0 1.339	60,0 2.362	100,0 3.937	1,5 3.310
SAH-2340580004	02836660	HSK-A 80	100,0 3.937	67,0 2.638	39,0 1.535	65,0 2.559	105,0 4.134	2,2 4.850

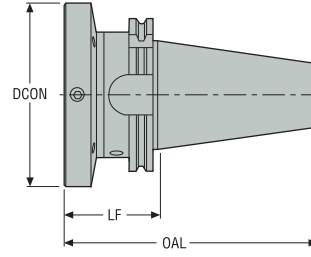
Arka bağlantı DIN 69871



- Not: Vidalar teslimata dahildir

Ürün Tanımı	Ürün numarası	Konik	DCON	LF	OAL	Ağırlık
			mm Inç	mm Inç	mm Inç	kg lb
SAH-2340640201	02836683	DIN40 ADB	60,0 2.362	50,0 1.969	118,4 4.661	1,1 2.430
SAH-2340640202	02836685	DIN40 ADB	80,0 3.150	55,0 2.165	123,4 4.858	1,5 3.310
SAH-2340640203	02836686	DIN40 ADB	100,0 3.937	60,0 2.362	128,4 5.055	2,3 5.070
SAH-2340640204	02836684	DIN40 ADB	70,0 2.756	50,0 1.969	118,4 4.661	1,2 2.650
SAH-2340650201	02836687	DIN50 ADB	60,0 2.362	50,0 1.969	151,8 5.976	3,1 6.830
SAH-2340650202	02836690	DIN50 ADB	80,0 3.150	50,0 1.969	151,8 5.976	3,6 7.940
SAH-2340650203	02836691	DIN50 ADB	100,0 3.937	60,0 2.362	161,8 6.370	4,3 9.480
SAH-2340650206	02836688	DIN50 ADB	70,0 2.756	50,0 1.969	151,8 5.976	3,3 7.280

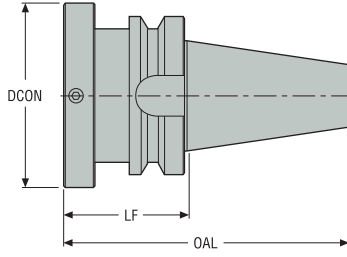
Arka bağlantı ANSI CAT



- Not: Vidalar teslimata dahildir
- Pull-stud dişi - inç

Ürün Tanımı	Ürün numarası	Konik	DCON	LF	OAL	Ağırlık
			mm İnç	mm İnç	mm İnç	kg lb
SAH-2784940201	02836698	CAT 40	60,0 2.362	50,0 1.969	118,4 4.661	1,1 2.430
SAH-2784940202	02836702	CAT 40	80,0 3.150	55,0 2.165	123,4 4.858	1,5 3.310
SAH-2784940203	02836704	CAT 40	100,0 3.937	60,0 2.362	128,4 5.055	2,3 5.070
SAH-2784950201	02836707	CAT 50	60,0 2.362	50,0 1.969	151,8 5.976	3,1 6.830
SAH-2784950202	02836709	CAT 50	80,0 3.150	50,0 1.969	151,8 5.976	3,4 7.500
SAH-2784950203	02836710	CAT 50	100,0 3.937	60,0 2.362	161,8 6.370	5,5 12.130
SAH-2784950206	02836708	CAT 50	70,0 2.756	50,0 1.969	151,8 5.976	3,3 7.280

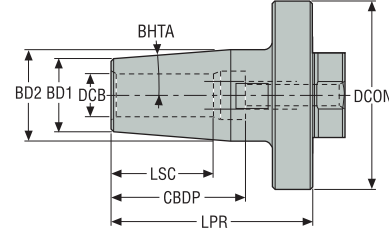
Arka bağlantı BT



- Not: Vidalar teslimata dahildir

Ürün Tanımı	Ürün numarası	Konik	DCON	LF	OAL	Ağırlık
			mm Inç	mm Inç	mm Inç	kg lb
SAH-2340740001	02836717	BT40 ADB	60,0 2.362	55,0 2.165	120,4 4.740	1,4 3.090
SAH-2340740002	02836719	BT40 ADB	80,0 3.150	65,0 2.559	130,4 5.134	2,0 4.410
SAH-2340740003	02836721	BT40 ADB	100,0 3.937	60,0 2.362	125,4 4.937	2,7 5.950
SAH-2340740004	02836718	BT40 ADB	70,0 2.756	55,0 2.165	120,4 4.740	1,5 3.310
SAH-2340750001	02836724	BT50 ADB	60,0 2.362	70,0 2.756	171,8 6.764	4,2 9.260
SAH-2340750002	02836725	BT50 ADB	70,0 2.756	70,0 2.756	171,8 6.764	4,4 9.700
SAH-2340750003	02836726	BT50 ADB	80,0 3.150	70,0 2.756	171,8 6.764	4,6 10.140
SAH-2340750004	02836727	BT50 ADB	100,0 3.937	70,0 2.756	171,8 6.764	4,9 10.800

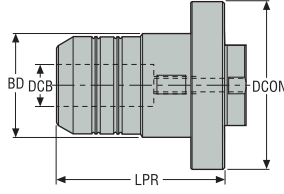
Ön bağlantı Shrinkfit



- Not: Ayar vidaları teslimata dahildir

Ürün Tanımı	Ürün numarası	DCON	BD2	BD1	DCB	LSC	CBDP	LPR	Ağırlık	BHTA°
		mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	kg lb	
SAH-2341006235	02836735	60,0 2.362	27,0 1.063	21,0 0.827	6,0 0.236	22,0 0.866	37,5 1.476	70,0 2.756	0,5 1.100	4,5
SAH-2341010237	02836736	60,0 2.362	32,0 1.260	24,0 0.945	10,0 0.394	31,0 1.220	42,5 1.673	70,0 2.756	0,5 1.100	4,5
SAH-2341012238	02836737	60,0 2.362	32,0 1.260	24,0 0.945	12,0 0.472	34,0 1.339	47,5 1.870	70,0 2.756	0,52 1.150	4,5
SAH-2341016241	02836741	70,0 2.756	34,0 1.339	27,0 1.063	16,0 0.630	39,0 1.535	50,5 1.988	75,0 2.953	0,7 1.540	4,5
SAH-2341020251	02836742	80,0 3.150	42,0 1.654	33,0 1.299	20,0 0.787	41,0 1.614	52,5 2.067	80,0 3.150	1,0 2.200	4,5
SAH-2341025260	02836743	100,0 3.937	53,0 2.087	44,0 1.732	25,0 0.984	47,0 1.850	58,5 2.303	80,0 3.150	2,2 4.850	4,5
SAH-2341032261	02836744	100,0 3.937	53,0 2.087	44,0 1.732	32,0 1.260	51,0 2.008	62,5 2.461	80,0 3.150	2,5 5.510	4,5

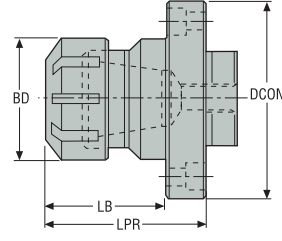
Ön bağlantı Hidrolik tutucu



- Not: Ayar vidaları teslimata dahildir

Ürün Tanımı	Ürün numarası	DCON	BD	DCB	LPR	Ağırlık
		mm Inç	mm Inç	mm Inç	mm Inç	kg lb
SAH-2341112255	02836752	80,0 3.150	32,0 1.260	12,0 0.472	77,5 3.051	1,1 2.430
SAH-2341112259	02836757	100,0 3.937	32,0 1.260	12,0 0.472	90,0 3.543	1,9 4.190
SAH-2341116253	02836749	70,0 2.756	38,0 1.496	16,0 0.630	50,0 1.969	0,75 1.650
SAH-2341116256	02836754	80,0 3.150	38,0 1.496	16,0 0.630	82,5 3.248	1,2 2.650
SAH-2341120257	02836755	80,0 3.150	42,0 1.654	20,0 0.787	82,5 3.248	1,3 2.870
SAH-2341125258	02836756	80,0 3.150	50,0 1.969	25,0 0.984	90,0 3.543	1,7 3.750
SAH-2341125260	02836758	100,0 3.937	50,0 1.969	25,0 0.984	100,0 3.937	2,8 6.170
SAH-2341132261	02836759	100,0 3.937	60,0 2.362	32,0 1.260	103,0 4.055	2,9 6.390

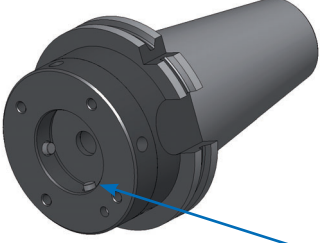
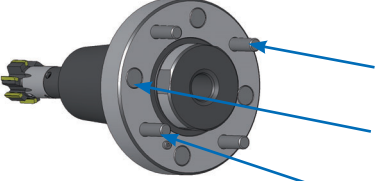
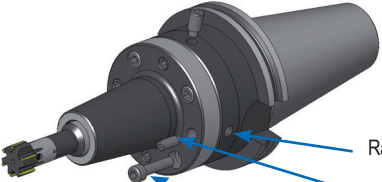
Ön bağlantı ER pens tutucu



- Not: Ayar vidaları teslimata dahildir

Ürün Tanımı	Ürün numarası	Ebat	DCON	BD	LB	LPR	Ağırlık
			mm Inç	mm Inç	mm Inç	mm Inç	kg lb
SAH-23412ER25254	02836762	ER25	80,0 3.150	42,0 1.654	45,0 1.772	60,0 2.362	1,0 2.200
SAH-23412ER32255	02836763	ER32	80,0 3.150	50,0 1.969	45,0 1.772	60,0 2.362	1,2 2.650
SAH-23412ER40256	02836764	ER40	100,0 3.937	63,0 2.480	50,0 1.969	70,0 2.756	1,6 3.530

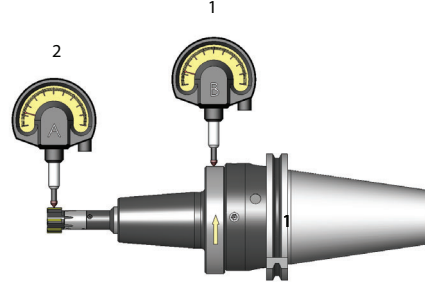
Montaj talimatları

 <p>Radyal ayar vidaları</p>	<ul style="list-style-type: none">• Temas yüzeylerini temizleyin• Radyal ayar vidalarının çakışmadığından emin olun
 <p>Sıkma vidaları Açılı ayar vidaları Güvenlik pimi (opsiyonel)</p>	<ul style="list-style-type: none">• Açılı ayar vidalarının çakışmadığından emin olun
 <p>Radyal ayar vidaları (4 adet) Açılı ayar vidaları (4 adet) Sıkma vidaları (4 adet)</p>	<ul style="list-style-type: none">• Sıkma vidalarını (x4) hafifçe sıkarak montaja başlayın

Ayar talimatları

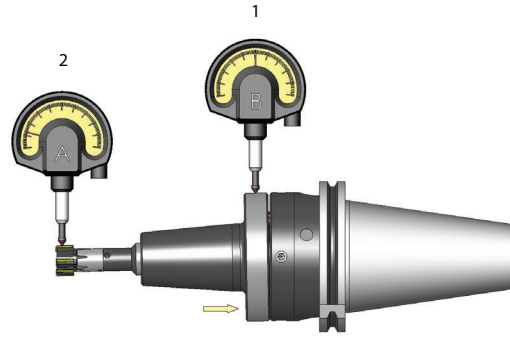
Giriş

- Takımı fener miline bağlayın
- Gösterildiği gibi 1. saati ayarlayın (bu aşamada 2. saate ihtiyaç yoktur)
- En düşük noktaya ulaşana kadar takımı elle döndürün
- Ok ile gösterildiği gibi radyal salgıyı düzeltin
- Kontrol edin ve gerekirse tekrar düzeltin



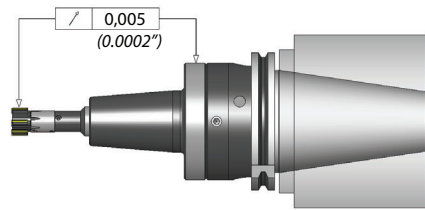
Delme

- Gösterildiği gibi 2. saati ayarlayın
- En düşük noktaya ulaşana kadar takımı elle döndürün
- Ok ile gösterildiği gibi radyal salgıyı düzeltin
- Kontrol edin ve gerekirse tekrar düzeltin



Raybalama

- Ayarlama bittiği zaman (salgı $<5 \mu\text{m}$ ($197 \mu\text{in}$)) montajı sabitlemek için takımı sıkın
- Ayarlı adaptör tezgahın dışında atölyedeki herhangi bir ayar cihazında ayarlanabilir
- Son ayarlamının tezgah fener mili üzerinde yapılması zorunludur
- Kesinlikle mikrometre saati kullanılmalıdır. Her iki operasyon için tek bir saat kullanılması uygundur



Baralama

Ek

Ürünlere genel bakış

Şu koşullarda Seco yüzer tutucu kullanılması tavsiye edilir

- Salgı 0,02 mm (0,0008 inç) değerinden fazla olduğunda
- Sabit takımlar için

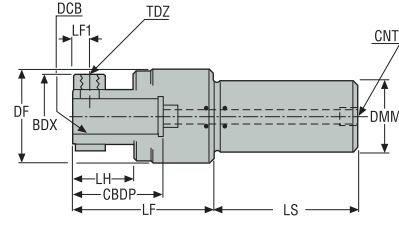
<p>Kompakt GV yüksek hız serileri</p> <ul style="list-style-type: none"> • Dönen takımlar için ilk tercih • Ayar gerekmez (fabrikadan ayarlanmış olarak gelir) • Uygulamaya bağlı olarak 3000 RPM'ye varan devir. • Sabit uygulamalar için uygundur 	
<p>Kompakt seri</p> <ul style="list-style-type: none"> • Sabit takımlar için ilk tercih • Sadece radyal ayar yapılabilir • Dönen uygulamalar için uygundur – maks. 800 RPM 	
<p>Normal seri</p> <ul style="list-style-type: none"> • Hem açılabilir hem de radyal düzeltme gerektiğinde • Dönen uygulamalar için uygundur – maks. 800 RPM 	

Tüm yüzer tutucular içten soğutma sıvısı için uygundur.
2 tip soğutma sıvısı indüksiyonu mevcuttur.

JJL: yandan giriş
JJ: sapın içinden

Kullanım kılavuzu teslimata dahildir.

Kompakt GV Yüksek hız serisi

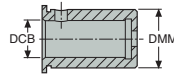


Ürün numarası	Ürün Tanımı	DCB	DMM	LF	LS	DF	BDX	LH	CBDP	CNT	LF1	TDZ	ADJRG	Ağırlık
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg
00088959	SFH-GV11019JJ	10,0	19,05	47,5	40,0	33,0	30,0	11,5	25,0	1/8	5,5	M6	0,2	0,7
00088945	SFH-GV11020JJ	10,0	20,0	47,5	40,0	33,0	30,0	11,5	25,0	1/8	5,5	M6	0,2	0,8
00076815	SFH-GV21619JJ	16,0	19,05	66,0	50,0	49,5	39,0	24,5	40,0	1/8	8,0	M8	0,2	0,8
00072133	SFH-GV21620JJ	16,0	20,0	66,0	50,0	49,5	39,0	24,5	40,0	1/8	8,0	M8	0,2	0,8
00076827	SFH-GV22019JJ	20,0	19,05	76,0	50,0	49,5	45,0	34,5	50,0	1/8	8,0	M8	0,2	0,8
00072134	SFH-GV22020JJ	20,0	20,0	76,0	50,0	49,5	45,0	34,5	50,0	1/8	8,0	M8	0,2	0,8
00076828	SFH-GV32525JJ	25,0	25,4	89,0	60,0	62,0	52,0	43,5	60,0	1/4	11,0	M10	0,3	1,4
00072135	SFH-GV32525MJJ	25,0	25,0	89,0	60,0	62,0	52,0	43,5	60,0	1/4	11,0	M10	0,3	1,4
00088960	SFH-GV325425JJ	25,4	25,4	89,0	60,0	62,0	52,0	43,5	60,0	1/4	11,0	M10	0,3	1,4
02602671	SFH-GV43232JJ	32,0	32,0	90,0	80,0	72,0	60,0	34,0	60,0	3/8	9,0	M10	0,3	2,2

Aksesuarlar

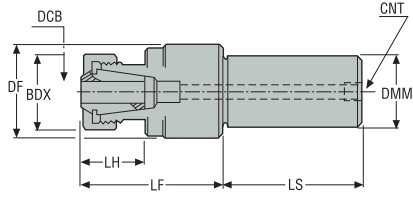
Ürün Tanımı

Pens



	DCB	DMM
SRR-BR11016	10	16
SRR-BR11216	12	16
SRR-BR11220	12	20
SRR-BR21620	16	20
SRR-BR31625	16	25
SRR-BR32025	20	25
SRR-GV42532	25	32

Kompakt GV Pens tutuculu Yüksek hız serisi



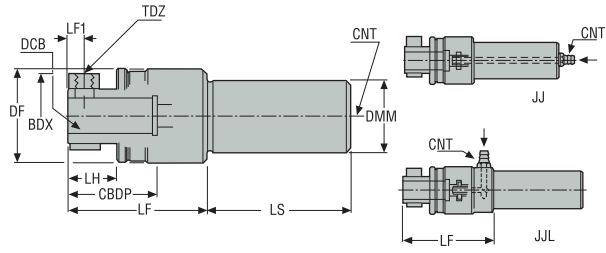
Ürün numarası	Ürün Tanımı	CZC	DMM	LF	LS	DF	BDX	LH	CNT	ADJRG	Ağırlık
			mm	mm	mm	mm	mm	mm		mm	kg
00088946	SFH-GV3BC25MJJ	ER32	25,0	80,0	60,0	62,0	50,0	35,0	1/4	0,3	1,3
00088961	SFH-GV3BC25JJ	ER32	25,4	80,0	60,0	62,0	50,0	35,0	1/4	0,3	1,3
00088962	SFH-GV4BC31JJ	ER40	31,75	94,0	80,0	72,0	63,0	39,0	3/8	0,3	0,7
00088947	SFH-GV4BC32JJ	ER40	32,0	94,0	80,0	72,0	63,0	39,0	3/8	0,3	2,4

Aksesuarlar

Ürün Tanımı	Ebat	Pens*			Ebat	Anahtar*
		DCB	BD	OAL		
58803210	ER32	10	33	40	ER32	03B587532
58803212	ER32	12	33	40	-	-
58803213	ER32	13	33	40	-	-
58803216	ER32	16	33	40	-	-
58803220	ER32	20	33	40	-	-
58804016	ER40	16	41	46	ER40	03B537540
58804020	ER40	20	41	46	-	-
58804025	ER40	25	41	46	-	-
58804026	ER40	26	41	46	-	-

*Pensler ve anahtarlar ayrıca sipariş edilmeli.

Kompakt serisi

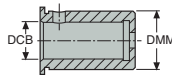


Ürün numarası	Ürün Tanımı	DCB	DMM	LF	LS	DF	BDX	LH	CBDP	CNT	LF1	TDZ	ADJRG	Ağırlık
		mm	mm	mm	mm	mm	mm	mm	mm		mm	mm		kg
00088963	SFH-C01019JJ	10,0	19,05	44,5	40,0	38,5	30,0	11,0	25,0	1/8	6,0	M6	1,0	0,575
00088964	SFH-C01019JJL	10,0	19,05	62,0	60,0	38,5	30,0	11,0	25,0	1/8	6,0	M6	1,0	0,575
00088965	SFH-C21619JJL	16,0	19,05	87,0	60,0	51,5	34,0	17,0	40,0	1/4	8,0	M6	1,5	1,1
00076829	SFH-C21619CJJ	16,0	19,05	67,5	50,0	51,5	34,0	17,0	40,0	1/4	8,0	M6	1,5	0,97
00088966	SFH-C22019JJL	20,0	19,05	97,0	70,0	51,5	44,0	27,0	50,0	1/4	8,0	M8	1,5	1,1
00076830	SFH-C22019CJJ	20,0	19,05	77,5	50,0	51,5	44,0	27,0	50,0	1/4	8,0	M8	1,5	0,97
00088948	SFH-C01020JJ	10,0	20,0	44,5	40,0	38,5	30,0	11,0	25,0	1/8	6,0	M6	1,0	0,59
00088949	SFH-C01020JJL	10,0	20,0	62,0	60,0	38,5	30,0	11,0	25,0	1/8	6,0	M6	1,0	0,59
00088950	SFH-C21620JJL	16,0	20,0	87,0	60,0	51,5	34,0	17,0	40,0	1/4	8,0	M6	1,5	1,1
00072142	SFH-C21620CJJ	16,0	20,0	67,5	50,0	51,5	34,0	17,0	40,0	1/4	8,0	M6	1,5	0,97
00072145	SFH-C22020CJJ	20,0	20,0	77,5	50,0	51,5	44,0	27,0	50,0	1/4	8,0	M8	1,5	1,0
00088951	SFH-C22020JJL	20,0	20,0	97,0	60,0	51,5	44,0	27,0	50,0	1/4	8,0	M8	1,5	1,1
00076846	SFH-C32525JJ	25,0	25,4	90,0	110,0	59,5	50,0	31,0	60,0	3/8	11,0	M8	1,5	1,7
00088967	SFH-C32525JJL	25,0	25,4	125,0	70,0	59,5	50,0	31,0	60,0	3/8	11,0	M8	1,5	1,98
00072149	SFH-C32525MJJ	25,0	25,0	90,0	110,0	59,5	50,0	31,0	60,0	3/8	11,0	M8	1,5	1,7
00088952	SFH-C32525MJJL	25,0	25,0	125,0	70,0	59,5	50,0	31,0	60,0	3/8	11,0	M8	1,5	1,98

Aksesuarlar

Ürün Tanımı

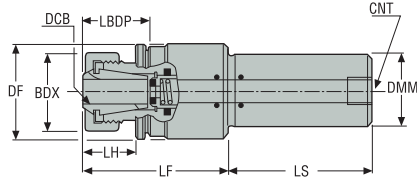
Pens



	DCB	DMM
SRR-BR11016	10	16
SRR-BR11216	12	16
SRR-BR11220	12	20
SRR-BR21620	16	20
SRR-BR31625	16	25
SRR-BR32025	20	25

Hortum adaptörü ayrıca sipariş edilmeli.

Pens tutuculu kompakt seri



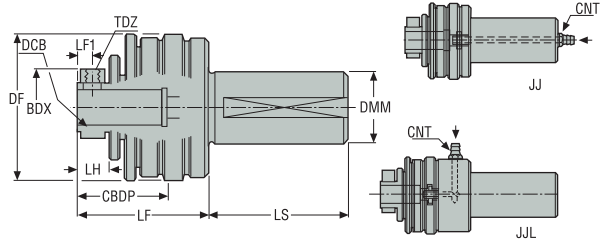
Ürün numarası	Ürün Tanımı	CZC	DMM	LF	LS	DF	BDX	CBDP	LH	CNT	ADJRG	Ağırlık
			mm	mm	mm	mm	mm	mm	mm		mm	kg
00088953	SFH-C65BC25MCJJ	ER32	25,0	94,0	50,0	64,5	50,0	42,0	33,0	3/8	1,5	1,7
00088968	SFH-C65BC25CJJ	ER32	25,4	94,0	50,0	64,5	50,0	42,0	33,0	3/8	1,5	1,7

Aksesuarlar

Ürün Tanımı	Ebat	Pens*			Ebat	Anahtar*
		DCB	BD	OAL		
58803210	ER32	10	33	40	ER32	03B587532
58803212	ER32	12	33	40	-	-
58803213	ER32	13	33	40	-	-
58803216	ER32	16	33	40	-	-
58803220	ER32	20	33	40	-	-
58804016	ER40	16	41	46	ER40	03B537540
58804020	ER40	20	41	46	-	-
58804025	ER40	25	41	46	-	-
58804026	ER40	26	41	46	-	-

*Pensler ve anahtarlar ayrıca sipariş edilmeli.

Normal serisi

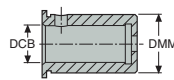


Ürün numarası	Ürün Tanımı	DCB	DMM	LF	LS	DF	BDX	LH	CBDP	CNT	LF1	TDZ	ADJRG	ANADJ	Ağırlık
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg
00088969	SFH-11619JJ	16,0	19,05	64,0	50,0	62,0	34,0	16,0	40,0	1/4	8,0	M6	1,5	-	0,9
00088970	SFH-11619JJL	16,0	19,05	81,0	40,0	62,0	34,0	16,0	40,0	1/4	8,0	M6	1,5	-	1,32
00088954	SFH-11620JJ	16,0	20,0	64,0	50,0	62,0	34,0	16,0	40,0	1/4	8,0	M6	1,5	-	0,95
00088955	SFH-11620JJL	16,0	20,0	81,0	40,0	62,0	34,0	16,0	40,0	1/4	8,0	M6	1,5	-	1,34
00088971	SFH-22025JJ	20,0	25,4	74,0	65,0	82,0	44,0	16,0	50,0	3/8	8,0	M8	1,5	-	1,9
00088972	SFH-22025JJL	20,0	25,4	98,0	70,0	82,0	44,0	16,0	50,0	1/4	8,0	M8	1,5	-	2,2
00088956	SFH-22025MJJ	20,0	25,0	74,0	65,0	82,0	44,0	16,0	50,0	3/8	8,0	M8	1,5	-	1,9
00088957	SFH-22025MJJL	20,0	25,0	98,0	70,0	82,0	44,0	16,0	50,0	1/4	8,0	M8	1,5	-	2,2
00088973	SFH-32525JJ	25,0	25,4	82,5	110,0	91,0	52,0	22,0	60,0	3/8	11,0	M8	2,0	-	2,5
00088958	SFH-32525MJJ	25,0	25,0	82,5	110,0	91,0	52,0	22,0	60,0	3/8	11,0	M8	2,0	-	2,5

Aksesuarlar

Ürün Tanımı

Pens



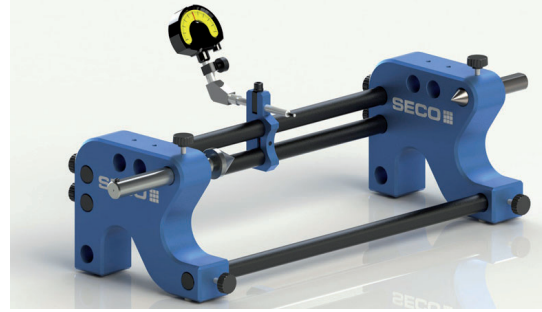
	DCB	DMM
SRR-BR11016	10	16
SRR-BR11216	12	16
SRR-BR11220	12	20
SRR-BR21620	16	20
SRR-BR31625	16	25
SRR-BR32025	20	25

Hortum adaptörü ayrıca sipariş edilmeli.

Ayarlama fikstürü - Tek saatli ayar fikstürü

SF-210340-C160: Sipariş ve Parça No. 02885391

- Yatay gövde
- Xfix raybalar için ilk tercih
- 1 ayar saati
- Maksimum takım Ø: 210 mm (8,268 inç)
- Maksimum takım boyu: 340 mm (13,386 inç)
- HSK 63/80/100 ve Capto C8 için ek Ø 57 mm (2,244 inç) yaylı punta
- SSC5700 merkezleme puntası teslimata dahildir

**SF-210290V-C160: Sipariş ve Parça No. 02885392**

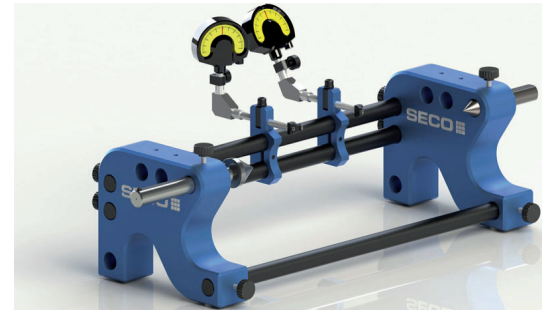
- Dikey gövde
- Xfix raybalar için ilk tercih
- Maksimum takım Ø: 210 mm (8,268 inç)
- Maksimum takım boyu: 290 mm (11,417 inç)
- HSK 63/80/100 ve Capto C8 için ek Ø 57 mm (2,244 inç) yaylı punta
- SSC5700 merkezleme puntası teslimata dahildir



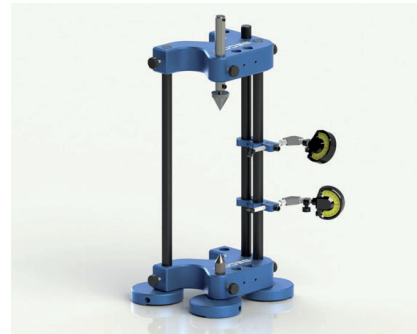
Ayarlama fikstürü - Çift saatli ayar fikstürü

SF-210340-C160C190: Sipariş ve Parça No. 02885393

- Yatay gövde
- Bifix raybalar için ilk tercih
- 2 ayar saati
- Maksimum takım Ø: 210 mm (8,268 inç)
- Maksimum takım boyu: 340 mm (13,386 inç)
- HSK 63/80/100 ve Capto C8 için ek Ø 57 mm (2,244 inç) yaylı punta
- SSC5700 merkezleme puntası teslimata dahildir



**SF-210290V-C160C190: Sipariş ve Parça No. 02885394**

- Dikey gövde
- Bifix raybalar için ilk tercih
- 2 ayar saati
- Maksimum takım Ø: 210 mm (8,268 inç)
- Maksimum takım boyu: 290 mm (11,417 inç)
- HSK 63/80/100 ve Capto C8 için ek Ø 57 mm (2,244 inç) yaylı punta
- SSC5700 merkezleme puntası teslimata dahildir



Sipariş bilgileri için yerel Seco Tools temsilcinizle iletişime geçin.

Ayarlama fikstürü - Geniş kapasiteli tek saatli ayar fikstürü

<p>SF-210740-C160: Sipariş ve Parça No. 02885385</p> <ul style="list-style-type: none">• Yatay gövde• Xfix raybalar için ilk tercih• 1 ayar saati• Maksimum takım Ø: 210 mm (8,268 inç)• Maksimum takım boyu: 740 mm (29,134 inç)• HSK 63/80/100 ve Capto C8 için ek Ø 57 mm (2,244 inç) yaylı punta• SSC5700 merkezleme puntası teslimata dahildir	
<p>SF-210690V-C160: Sipariş ve Parça No. 02885387</p> <ul style="list-style-type: none">• Dikey gövde• Xfix raybalar için ilk tercih• Maksimum takım Ø: 210 mm (8,268 inç)• Maksimum takım boyu: 690 mm (27,165 inç)• HSK 63/80/100 ve Capto C8 için ek Ø 57 mm (2,244 inç) yaylı punta• SSC5700 merkezleme puntası teslimata dahildir	

Ayarlama fikstürü - Geniş kapasiteli çift saatli ayar fikstürü

<p>SF-210740-C160C190: Sipariş ve Parça No. 02885388</p> <ul style="list-style-type: none">• Yatay gövde• Bifix raybalar için ilk tercih• 2 ayar saati• Maksimum takım Ø: 210 mm (8,268 inç)• Maksimum takım boyu: 740 mm (29,134 inç)• HSK 63/80/100 ve Capto C8 için ek Ø 57 mm (2,244 inç) yaylı punta• SSC5700 merkezleme puntası teslimata dahildir	
<p>SF-210690V-C160C190: Sipariş ve Parça No. 02885390</p> <ul style="list-style-type: none">• Dikey gövde• Bifix raybalar için ilk tercih• 2 ayar saati• Maksimum takım Ø: 210 mm (8,268 inç)• Maksimum takım boyu: 690 mm (27,165 inç)• HSK 63/80/100 ve Capto C8 için ek Ø 57 mm (2,244 inç) yaylı punta• SSC5700 merkezleme puntası teslimata dahildir	

Sipariş bilgileri için yerel Seco Tools temsilcinizle iletişime geçin.

Kompakt ayar fikstürleri

SF-60200-C160: Sipariş ve Parça No. 02885395

- Yatay gövde
- Ø 60 mm'den (2,362 inç) küçük raybalar için ilk tercih
- 1 ayar saati
- Maksimum takım Ø: 60,5 mm (82,382 inç)
- Maksimum takım boyu: 200 mm (7,874 inç)

**SF-60200-C160C190: Sipariş ve Parça No. 02885396**

- Yatay gövde
- Ø 60 mm'den (2,362 inç) küçük raybalar için ilk tercih
- 2 ayar saati
- Maksimum takım Ø: 60,5 mm (82,382 inç)
- Maksimum takım boyu: 200 mm (7,874 inç)

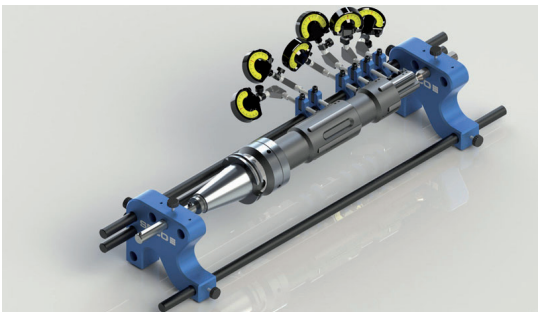


Sipariş bilgileri için yerel Seco Tools temsilcinizle iletişime geçin.


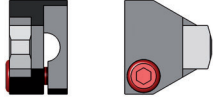
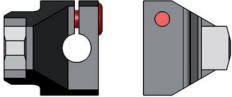
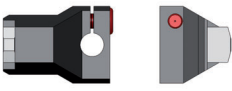
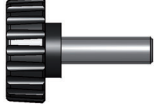
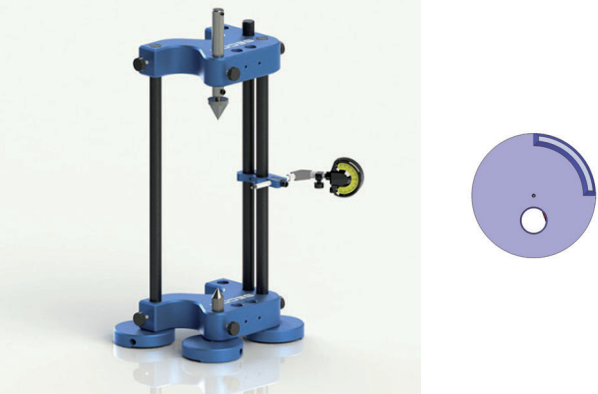
İlave ölçme kolları

	<p>SFB-60: Sipariş ve Parça No. 02208619</p> <ul style="list-style-type: none">• Ölçme kolu 60°• Ayar saati teslimata dahildir• Ayar saati için uzatma pimi teslimata dahil değildir, bkz. sayfa 489
	<p>SFB-60 WC: Sipariş ve Parça No. 02885754</p> <ul style="list-style-type: none">• Ölçme kolu 60°• Ayar saati teslimata dahildir• Ayar saati için uzatma pimi teslimata dahil değildir, bkz. sayfa 489
	<p>SFB-90: Sipariş ve Parça No. 02208622</p> <ul style="list-style-type: none">• Ölçme kolu 90°• Ayar saati teslimata dahildir• Ayar saati için uzatma pimi teslimata dahil değildir, bkz. sayfa 489
	<p>SFB-90 WC: Sipariş ve Parça No. 02885755</p> <ul style="list-style-type: none">• Ölçme kolu 90°• Ayar saati teslimata dahildir• Ayar saati için uzatma pimi teslimata dahil değildir, bkz. sayfa 489
	<p>DG-1: Sipariş ve Parça No. 75079579</p> <ul style="list-style-type: none">• Ayar saati, 1 µm (0,00004 inç)

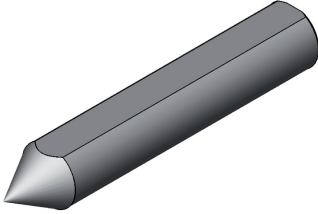
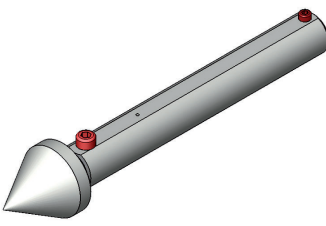
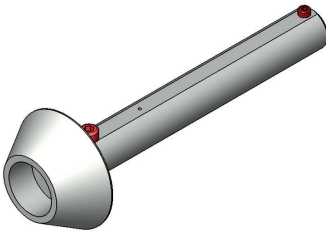
Çok saatli ayar fikstürü örnekleri

	
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Aksesuarlar

	<p>SMES-406: Sipariş ve Parça No. 02819156</p> <ul style="list-style-type: none"> • Xfix raybalar için ölçüm noktası • Ø 4 mm (0,157 inç) • Karbür uçlu
	<p>SMES-900: Sipariş ve Parça No. 02208610</p> <ul style="list-style-type: none"> • Bifix raybalar için ölçüm noktası • Karbür uçlu
	<p>SMES-909: Sipariş ve Parça No. 02980090</p> <ul style="list-style-type: none"> • Bifix raybalar için ölçüm noktası • Karbür uçlu • 9 mm (0,354 inç) merkezden kaçıklık
	<p>SMES-915: Sipariş ve Parça No. 02208616</p> <ul style="list-style-type: none"> • Bifix raybalar için ölçüm noktası • Karbür uçlu • 15 mm (0,591 inç) merkezden kaçıklık
	<p>SFHS-20: Sipariş ve Parça No. 02884025</p> <ul style="list-style-type: none"> • Fikstür sabitleme vidası • Tüm ayar fikstürlerine uyumludur
	<p>SFVST-100: Sipariş ve Parça No. 02884026</p> <ul style="list-style-type: none"> • Çelik gövde (3'lü set) • Ø 100 mm (3,937 inç) • Yatay fikstürü dikey hale dönüştürmek için uygundur

Merkezeleme Puntaları

<p>SFC-2000HM: Sipariş ve Parça No. 02884023</p> <ul style="list-style-type: none">• Solid karbür sabit merkez noktası• Ø 20 mm (0,787 inç)• Özel ve standart Xfix ve Bifix ürün çeşitleri için uygundur• Takımın ön ucunda kullanmak içindir	
<p>SSC-3400: Sipariş ve Parça No. 02208617</p> <ul style="list-style-type: none">• Yaylı merkezleme noktası• Ucu kesik Ø 34 mm (1,339 inç)• Özel ve standart Xfix ve Bifix ürün çeşitleri için uygundur• Takımın arka ucunda kullanmak içindir• HSK63/80/100 ve Capto C8 için uygun değildir	
<p>SSC5700: Sipariş ve Parça No. 02208620</p> <ul style="list-style-type: none">• Yaylı merkezleme noktası• Ucu kesik Ø 57 mm (2,244 inç)• Özel ve standart Xfix ve Bifix ürün çeşitleri için uygundur• Takımın arka ucunda kullanmak içindir• HSK63/80/100 ve Capto C8 için uygundur	

BARALAMA KAFALARI



ÇOK YÖNLÜ VE MÜKEMMEL SONUÇLAR İÇİN TASARLANMIŞ KABA VE HASSAS BARALAMA KAFALARI

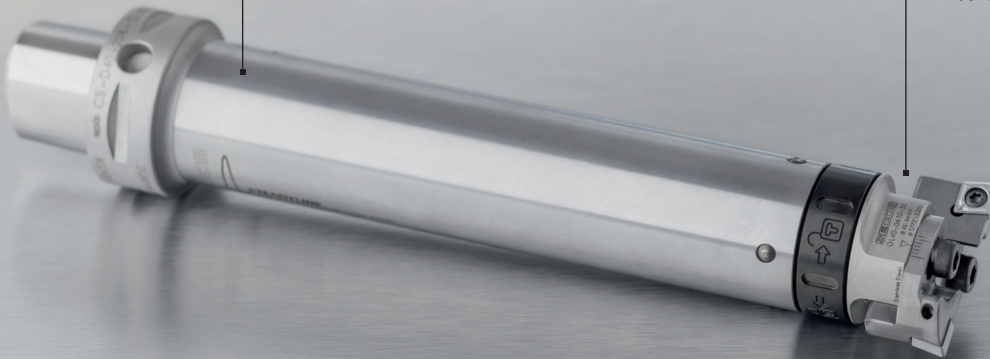
Seco, Graflex® ve Seco-Capto™ tezgah yan bağlantıları ile çok çeşitli baralama kafaları sunar. Kaba baralama kafaları, yüksek talaş kaldırma oranları sunmak ve döküm, oksijenle kesilmiş veya delinmiş deliklerden başlayarak geometrik delik hassasiyeti sağlamak için güçlü ve sağlam montajlar sunar. Hassas baralama kafaları, mükemmel yüzey kalitesi ve çok dar IT5 toleransları sağlayarak çapı 2,5 µm'ye (98,43 µin) kadar olan tutucuları ayarlar.

İLGİLİ TAKIM TUTUCULAR

- Optimize ve polivalan montajlar için Graflex® ve Seco-Capto™ modüler sistemleri
- Derin baralama uygulamalarında mükemmel performans için Steadyline® titreşim sönümleyici çözümler mevcuttur

BARALAMA KAFALARI

- Çaplar 0,3 mm - 3205 mm (0,0118 inç - 126,181 inç) arasında değişir
- Yüksek çıkarma oranları için kaba baralama kafaları
- IT5'e kadar, mükemmel yüzey kalitesiyle yüksek hassasiyet için hassas baralama kafaları



Genel bakış

Graflex® veya Seco-Capto™

Graflex® veya Seco-Capto™ modüler bağlama sistemleri



Sayfa 494-553, 554

- Tüm baralama kafaları, tam baralama derinliği ve çapı sağlayan Graflex® veya Seco-Capto™ bağlantısına sahiptir
- Gerekli Graflex® veya Seco-Capto™ tutucuları ve ara parçaları TUTUCU SİSTEMLERİ kataloğundan (HSK, DIN, BT, ANSI-CAT, Seco-Capto™) seçin
- Baralama kafaları için Graflex® yedek parçaları bu bölümde gösterilmiştir

RB750 baralama kafaları, kaba baralama

İkiz kesme kafaları, kartuş bağlama mekanizmalı



Sayfa 560-566

- Yüksek talaş kaldırma, hassas delik geometrisi ve delik pozisyonu
- Hem simetrik hem de kademeli ayar yapılabilir
- Kartuş bağlama mekanizması ile eş zamanlı ayarlama
- Graflex® veya Seco-Capto™ bağlantısı ile

Ø aralığı 18 - 205 mm
(0,709 - 8,071 inç)

IT 9/10

RB 610 baralama kafaları, kaba baralama

İkiz kesme kafaları



Sayfa 572-575

- Yüksek talaş kaldırma, hassas delik geometrisi ve delik pozisyonu
- Hem simetrik hem de kademeli ayar yapılabilir
- Graflex® modüler sistem için Graflex® bağlantısı ile mevcut
- Steadyline® titreşim sönmleyen çubuklar için GL veya BA bağlantısı ile mevcut

Ø aralığı 28 mm - 116 mm
(1,102 - 4,567 inç)

IT 9/10

FB 760 baralama kafaları, AxiaBore™ tipi, hassas baralama

Eksenel takımlı hassas baralama kafaları



Sayfa 583-594

- IT5'e kadar delik hassasiyeti için mikrometrik ayar
- Hassas delik geometrisi ve konumlandırması için yüksek takım rijitliği
- Daha küçük çaplar için NanoBore™ kafa
- AxiaLibraBore™ ve AxiaLibraBore™ Plus – hassas dengelenebilir, HSM uyumlu
- Daha geniş çapları baralamak, Dış-Çap baralama ve kanal açma için çok amaçlı adaptör (MPA)
- Graflex® veya Seco-Capto™ bağlantısı ile

Ø 0,3 - 108 mm arası
(0,012 - 4,252 inç)

+ Dış-Çap baralama ve yüzey kanal açma

IT 5/6

Genel bakış

FB 620, FB 780 ve FB 790 baralama kafaları, radyal tip

Radyal kartuşlu, hassas baralama kafaları



Sayfa 613-621

- IT5'e kadar delik hassasiyeti için mikrometrik ayar
- Hassas delik geometrisi ve pozisyonlaması
- A790 Libraflex® kafaların hassas balans ayarı yapılabilir, HSM uyumlu yüksek güvenilirlik için kartuşlu
- Uç bağlama "Karbür" uzatmalar kullanarak 7xD boyda veya Steadyline® ile 10xD boyda baralama yapılabilir
- Ayrıca havşa ve ters baralama için
- Modüler sistemler için Graflex® veya Seco-Capto™ bağlantıları ile mevcut
- Steadyline® titreşim sönmüleyen çubuklar için GL veya BA bağlantısı ile mevcut

Ø aralığı 15 - 205 mm
(0,591 - 8,071 inç)

IT 5/6

Kafa bağlama çubukları ve Jumbo baralama kafaları

Geniş çapların hassas ve kaba baralaması için



Sayfa 623-640

- Kaba ve hassas baralama, Dış-Çap baralama ve ters baralama için baralama blokları
- Kaba baralamada yüksek talaş kaldırma için güçlü tasarım
- Hassas baralama için mikrometrik ayar
- İyileştirilmiş baralama bloğu tasarımı ve yüksek hızlar için yüksek gerilimli alüminyumdan yapılmış Jumbo kafa bağlama çubukları
- Bir freze tutucusuna bağlanabilir, flanşlı bağlantı tipi

Ø aralığı 204 - 3205 mm
(8,031-126,181 inç)IT 5/6 (hassas baralama) ya da
9/10 (kaba baralama)
+ Dış-Çap baralama

IT6

Baralama için uçlar



Sayfa 642-654

- Tüm malzemelerdeki baralama uygulamaları için
- Kaba baralamada yüksek tokluk
- Hassas baralama için pozitif geometriler
- Uzun ömürlü kaliteler

Graflex® veya Seco-Capto™ modüler bağlama sistemi



Sayfa 655-657

- Tüm baralama kafaları, tam baralama derinliği ve çapı sağlayan Graflex® veya Seco-Capto™ bağlantısına sahiptir
- Gerekli Graflex® veya Seco-Capto™ tutucuları ve ara parçaları TAKIM TUTUCULAR kataloğundan (HSK, DIN, BT, ANSI-CAT, Seco-Capto™) seçin
- Baralama kafaları için Graflex® yedek parçaları bu bölümde gösterilmiştir



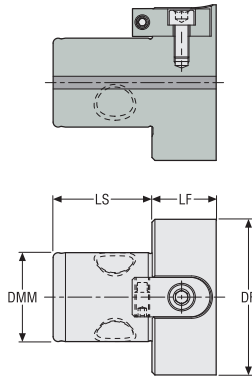
Graflex®

Graflex® bağlantı sistemi, tutucular, ara parçalar, takım tutucular ve baralama kafalarından oluşur ve bunlar ihtiyaç duyulduğunda hızlıca birbirine monte edilebilirler. Frezeleme, delme, kılavuz çekme ve baralama operasyonları için uygun olan Graflex® modüller ile farklı çap ve boylarda montajlar oluşturabilir ve sadece temel Graflex® tutucuyu değiştirerek her türlü tezgaha bağlayabilirsiniz.

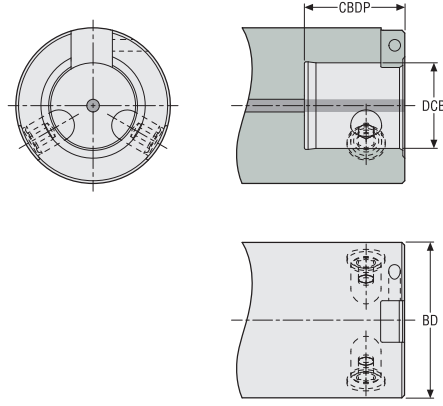
- Mükemmel bağlantı rijitliği
- Yüksek esneklik sunan çok çeşitli modüller
- İçten soğutma sıvısı olanakları

Graflex®, norm boyutları

Tezgah fener mili tarafı



İş parçası tarafı

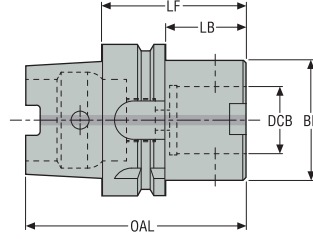


Arka konik tanımları	RFID veri iletici için delik*	DF	DMM	LS	LF
		mm İnç	mm İnç	mm İnç	mm İnç
G0	Hayır	16 0.630	8 0.315	12 0.472	8 0.315
G1	Hayır	20 0.787	11 0.433	13 0.512	9,5 0.374
G2	Hayır	25 0.984	14 0.551	16 0.630	11 0.433
G3	Hayır	32 1.260	18 0.709	20 0.787	14 0.551
G4	Hayır	40 1.575	22 0.866	24 0.945	17 0.669
G5	Hayır	50 1.969	28 1.102	30 1.181	20 0.787
G6	Hayır	63 2.480	36 1.417	40 1.575	26 1.024
G7	Hayır	90 3.543	46 1.811	50 1.969	26 1.024

İş parçası konik tanımları	RFID veri iletici için delik*	CDBP	DCB	BD
		mm İnç	mm İnç	mm İnç
G0	Hayır	16 0.630	8 0.315	12 0.472
G1	Hayır	20 0.787	11 0.433	13 0.512
G2	Hayır	25 0.984	14 0.551	16 0.630
G3	Hayır	32 1.260	18 0.709	20 0.787
G4	Hayır	40 1.575	22 0.866	24 0.945
G5	Hayır	50 1.969	28 1.102	30 1.181
G6	Hayır	63 2.480	36 1.417	40 1.575
G7	Hayır	90 3.543	46 1.811	50 1.969

G 401 – Graflex® tutucular

HSK-A/ ISO12164-1-HSK-A



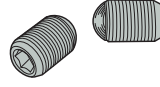
- HSK sızdırmaz tapalar, soğutma sıvısı boruları ve anahtarları için bakınız sayfa 523

Ürün Tanımı	Ürün numarası	CTMS	CTWS	DCB		LF		LB		BD		RFID deliği	Balans ayarı	Ağırlık		
				mm	Inç	mm	Inç	mm	Inç	mm	Inç				mm	Inç
EM93034012870	00086917	HSK-A50	G5	28,0	1.102	70,0	2.756	44,0	1.732	50,0	1.969	95,0	3.740	1	PB	0,79 1.740
EM93044011445	02469722	HSK-A63	G2	14,0	0.551	45,0	1.772	19,0	0.748	25,0	0.984	77,0	3.031	1	G6.3	0,69 1.520
EM93044011850	00086918	HSK-A63	G3	18,0	0.709	50,0	1.969	24,0	0.945	32,0	1.260	82,0	3.228	1	G6.3	0,73 1.610
EM93044012255	00088217	HSK-A63	G4	22,0	0.866	55,0	2.165	29,0	1.142	40,0	1.575	87,0	3.425	1	G6.3	0,83 1.830
EM93044012860	00086920	HSK-A63	G5	28,0	1.102	60,0	2.362	34,0	1.339	50,0	1.969	92,0	3.622	1	PB	0,98 2.160
EM930440128100	00086921	HSK-A63	G5	28,0	1.102	100,0	3.937	74,0	2.913	50,0	1.969	132,0	5.197	1	PB	1,58 3.480
EM930440128140	00086922	HSK-A63	G5	28,0	1.102	140,0	5.512	114,0	4.488	50,0	1.969	172,0	6.772	1	PB	2,18 4.810
EM93044013670	00086923	HSK-A63	G6	36,0	1.417	70,0	2.756	44,0	1.732	63,0	2.480	102,0	4.016	1	PB	1,21 2.670
EM930440136120	00086924	HSK-A63	G6	36,0	1.417	120,0	4.724	94,0	3.701	63,0	2.480	152,0	5.984	1	PB	2,38 5.250
EM93064011855	00086925	HSK-A100	G3	18,0	0.709	55,0	2.165	26,0	1.024	32,0	1.260	105,0	4.134	1	G6.3	2,1 4.630
EM93064012260	00086926	HSK-A100	G4	22,0	0.866	60,0	2.362	31,0	1.220	40,0	1.575	110,0	4.331	1	G6.3	2,19 4.830
EM93064012865	00086927	HSK-A100	G5	28,0	1.102	65,0	2.559	36,0	1.417	50,0	1.969	115,0	4.528	1	PB	2,37 5.220
EM930640128110	00086928	HSK-A100	G5	28,0	1.102	110,0	4.331	81,0	3.189	50,0	1.969	160,0	6.299	1	PB	3,02 6.660
EM930640128150	00086929	HSK-A100	G5	28,0	1.102	150,0	5.906	121,0	4.764	50,0	1.969	200,0	7.874	1	PB	3,7 8.160
EM93064013675	00083432	HSK-A100	G6	36,0	1.417	75,0	2.953	46,0	1.811	63,0	2.480	125,0	4.921	1	PB	2,6 5.730
EM930640136120	00086931	HSK-A100	G6	36,0	1.417	120,0	4.724	91,0	3.583	63,0	2.480	170,0	6.693	1	PB	3,82 8.420
EM930640136160	00086932	HSK-A100	G6	36,0	1.417	160,0	6.299	131,0	5.157	63,0	2.480	210,0	8.268	1	PB	4,72 10.410
EM93064014685	00074385	HSK-A100	G7	46,0	1.811	85,0	3.346	56,0	2.205	90,0	3.543	135,0	5.315	1	PB	3,99 8.800
EM930640146160	00086933	HSK-A100	G7	46,0	1.811	160,0	6.299	131,0	5.157	90,0	3.543	210,0	8.268	1	PB	7,67 16.910
HSKA125-G6-120	03229653	HSK-A125	G6	36,0	1.417	120,0	4.724	91,0	3.583	63,0	2.480	183,0	7.205	1	PB	5,1 11.240
HSKA125-G7-120	03229654	HSK-A125	G7	46,0	1.811	120,0	4.724	91,0	3.583	90,0	3.543	183,0	7.205	1	PB	7,1 15.650

Yedek parçalar

Şu ebat
için

Montaj vidası



G2	90F2
G3	90F3
G4	90F4
G5	90F5
G6	90F6
G7	90F7

Aksesuarlar

Şu ebat
için

Anahtar



G2	03H025
G3	03H03
G4	03H04
G5	03H05
G6	03H06
G7	03H10

Giriş

Delme

Raybalama

Baralama

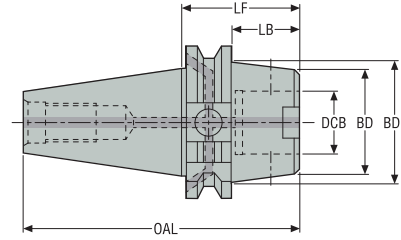
Ek

G 401 – Graflex® tutucular

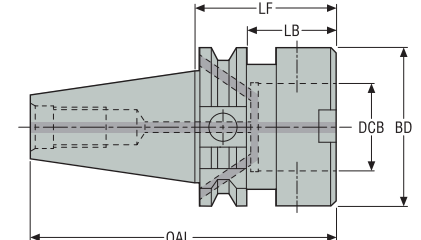
DIN 69871-ADB



Typ 1




Typ 2



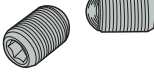
Ürün Tanımı	Ürün numarası	CTMS	CTWS	DCB	LF	LB	BD1	BD	OAL	Ta-sarım	RFID deliği	Balans ayarı	Ağırlık
				mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç				kg lb
EM34694011190	02503292	DIN40 ADB	G1	11,0 0.433	90,0 3.543	70,9 2.791	-	20,0 0.787	158,4 6.236	2	1	G6.3	0,94 2.070
EM34694011435	02469729	DIN40 ADB	G2	14,0 0.551	35,0 1.378	15,9 0.626	-	25,0 0.984	103,4 4.071	2	1	G6.3	0,83 1.830
EM34694011490	02503293	DIN40 ADB	G2	14,0 0.551	90,0 3.543	70,9 2.791	-	25,0 0.984	158,4 6.236	2	1	G6.3	1,02 2.250
EM34694011835	02420097	DIN40 ADB	G3	18,0 0.709	35,0 1.378	15,9 0.626	50,0 1.969	32,0 1.260	103,4 4.071	1	1	G6.3	0,91 2.010
EM346940118100	02503298	DIN40 ADB	G3	18,0 0.709	100,0 3.937	80,9 3.185	-	32,0 1.260	168,4 6.630	2	1	G6.3	1,22 2.690
EM34694012235	02503299	DIN40 ADB	G4	22,0 0.866	35,0 1.378	15,9 0.626	50,0 1.969	40,0 1.575	103,4 4.071	1	1	G6.3	0,92 2.030
EM346940122100	02503300	DIN40 ADB	G4	22,0 0.866	100,0 3.937	80,9 3.185	-	40,0 1.575	168,4 6.630	2	1	G6.3	1,44 3.170
EM34694012840	02458421	DIN40 ADB	G5	28,0 1.102	40,0 1.575	20,9 0.823	-	50,0 1.969	108,4 4.268	2	1	PB	0,93 2.050
EM34694012880	02503301	DIN40 ADB	G5	28,0 1.102	80,0 3.150	60,9 2.398	-	50,0 1.969	148,4 5.843	2	1	PB	1,5 3.310
EM346940128120	02503302	DIN40 ADB	G5	28,0 1.102	120,0 4.724	100,9 3.972	-	50,0 1.969	188,4 7.417	2	1	PB	2,08 4.590
EM34694013660	02503303	DIN40 ADB	G6	36,0 1.417	60,0 2.362	40,9 1.610	-	63,0 2.480	128,4 5.055	2	1	PB	1,24 2.730
EM346940136120	02503304	DIN40 ADB	G6	36,0 1.417	120,0 4.724	100,9 3.972	-	63,0 2.480	188,4 7.417	2	1	PB	2,65 5.840
EM347140114100	02503306	DIN50 ADB	G2	14,0 0.551	100,0 3.937	80,9 3.185	-	25,0 0.984	201,7 7.941	2	1	G6.3	2,8 6.170
EM34714011835	02503307	DIN50 ADB	G3	18,0 0.709	35,0 1.378	15,9 0.626	-	32,0 1.260	136,7 5.382	2	1	G6.3	2,67 5.890
EM347140118110	02503308	DIN50 ADB	G3	18,0 0.709	110,0 4.331	90,9 3.579	-	32,0 1.260	211,7 8.335	2	1	G6.3	3,0 6.610
EM34714012235	02503309	DIN50 ADB	G4	22,0 0.866	35,0 1.378	15,9 0.626	80,0 3.150	40,0 1.575	136,7 5.382	1	1	G6.3	2,88 6.350
EM347140122120	02503311	DIN50 ADB	G4	22,0 0.866	120,0 4.724	100,9 3.972	-	40,0 1.575	221,7 8.728	2	1	G6.3	3,5 7.720
EM34714012840	02503312	DIN50 ADB	G5	28,0 1.102	40,0 1.575	20,9 0.823	-	50,0 1.969	141,7 5.579	2	1	PB	2,75 6.060
EM347140128100	02503315	DIN50 ADB	G5	28,0 1.102	100,0 3.937	80,9 3.185	-	50,0 1.969	201,7 7.941	2	1	PB	3,56 7.850
EM347140128140	02503316	DIN50 ADB	G5	28,0 1.102	140,0 5.512	120,9 4.760	-	50,0 1.969	241,7 9.516	2	1	PB	4,08 8.990
EM34714013645	02503317	DIN50 ADB	G6	36,0 1.417	45,0 1.772	25,9 1.020	-	63,0 2.480	146,7 5.776	2	1	PB	2,88 6.350
EM347140136100	02503318	DIN50 ADB	G6	36,0 1.417	100,0 3.937	80,9 3.185	-	63,0 2.480	201,7 7.941	2	1	PB	4,1 9.040
EM347140136140	02503319	DIN50 ADB	G6	36,0 1.417	140,0 5.512	120,9 4.760	-	63,0 2.480	241,7 9.516	2	1	PB	4,99 11.000

Ürün Tanımı	Ürün numarası	CTMS	CTWS	DCB	LF	LB	BD1	BD	OAL	Ta-sarım	RFID deliği	Balans ayarı	Ağırlık
													kg lb
EM34714014650	02503320	DIN50 ADB	G7	46,0 1.811	50,0 1.969	30,9 1.217	-	90,0 3.543	151,7 5.972	2	1	PB	3,23 7.120
EM347140146120	02503321	DIN50 ADB	G7	46,0 1.811	120,0 4.724	100,9 3.972	-	90,0 3.543	221,7 8.728	2	1	PB	6,48 14.290
EM347140146200	02503324	DIN50 ADB	G7	46,0 1.811	200,0 7.874	180,9 7.122	-	90,0 3.543	301,7 11.878	2	1	PB	10,4 22.930

Aksesuarlar

Şu ebat için	Anahtar
	
DIN40/ G1	03H02
DIN40/ G2	03H025
DIN40/ G3	03H03
DIN40/ G4	03H04
DIN40/ G5	03H05
DIN40/ G6	03H06
DIN50/ G2	03H025
DIN50/ G3	03H03
DIN50/ G4	03H04
DIN50/ G5	03H05
DIN50/ G6	03H06
DIN50/ G7	03H10
EM34714014650	03H10

Yedek parçalar

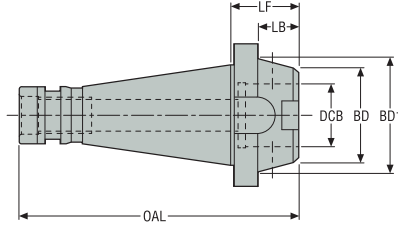
Şu ebat için	Montaj vidası	Tapa
		
DIN40/ G1	90F1	950A0406
DIN40/ G2	90F2	950A0406
DIN40/ G3	90F3	950A0406
DIN40/ G4	90F4	950A0406
DIN40/ G5	90F5	950A0406
DIN40/ G6	90F6	950A0406
DIN50/ G2	90F2	950A0606
DIN50/ G3	90F3	950A0606
DIN50/ G4	90F4	950A0606
DIN50/ G5	90F5	950A0606
DIN50/ G6	90F6	950A0606
DIN50/ G7	90F7	950A0606
EM34714014650	90F71	950A0606

G 401 – Graflex® tutucular

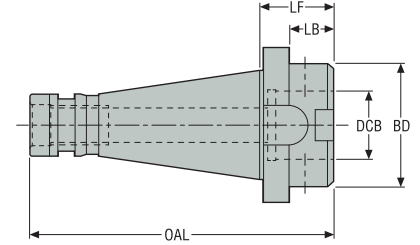
DIN 2080



Typ 1



Typ 2



Ürün Tanımı	Ürün numarası	CTMS	CTWS	DCB	LF	LB	BD1	BD	OAL	Tasarım	RFID deliği	Balans ayarı	Ağırlık
				mm Inç	mm Inç	mm Inç	mm Inç	mm Inç	mm Inç				kg lb
EM00404013650	00076707	DIN(2080)40	G6	36,0 1.417	50,0 1.969	0,0 0.0	-	63,0 2.480	143,4 5.646	2	0	PB	1,27 2.800
EM00504012835	00076710	DIN(2080)50	G5	28,0 1.102	35,0 1.378	19,8 0.780	78,0 3.071	50,0 1.969	161,8 6.370	1	0	PB	2,94 6.480
EM00504013640	00076714	DIN(2080)50	G6	36,0 1.417	40,0 1.575	24,8 0.976	-	63,0 2.480	166,8 6.567	2	0	PB	2,82 6.220
EM00504014645	00076718	DIN(2080)50	G7	46,0 1.811	45,0 1.772	29,8 1.173	-	90,0 3.543	171,8 6.764	2	0	PB	3,34 7.360

Aksesuarlar

Şu ebat için

Anahtar

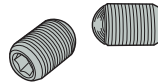


G5	03H05
G6	03H06
G7	03H10

Yedek parçalar

Şu ebat için

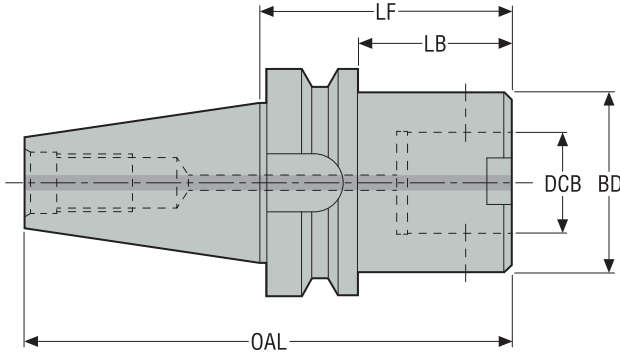
Montaj vidası



G5	90F5
G6	90F6
G7	90F7

G 401 – Graflex® tutucular

BT JIS B 6339-AD



Ürün Tanımı	Ürün numarası	CTMS	CTWS	DCB	LF	LB	BD	OAL	RFID deliği	Balans ayarı	Ağırlık
				mm İnç	mm İnç	mm İnç	mm İnç	mm İnç			kg lb
EM40404011835	00056699	BT30 AD	G3	18,0 0.709	35,0 1.378	13,0 0.512	32,0 1.260	83,4 3.283	0	G6.3	0,41 0.900
EM40404012850	00056705	BT30 AD	G5	28,0 1.102	50,0 1.969	25,0 0.984	50,0 1.969	98,4 3.874	0	PB	0,62 1.370

Aksesuarlar

Şu ebat için

Anahtar



EM40404011835

03H03

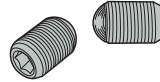
EM40404012850

03H05

Yedek parçalar

Şu ebat için

Montaj vidası



EM40404011835

90F3

EM40404012850

90F5

Giriş

Delme

Raybalama

Baralama

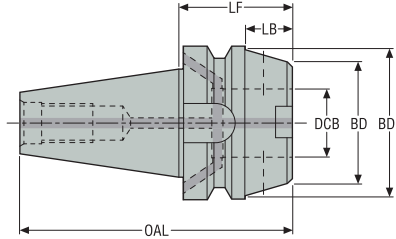
Ek

G 401 – Graflex® tutucular

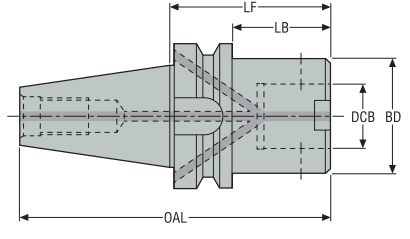
BT JIS B 6339-ADB



Typ 1




Typ 2



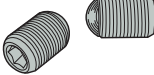

Ürün Tanımı	Ürün numarası	CTMS	CTWS	DCB	LF	LB	BD1	BD	OAL	Tasarım	RFID deliği	Balans ayarı	Ağırlık
				mm Inç	mm Inç	mm Inç	mm Inç	mm Inç	mm Inç				kg lb
EM34144011190	02503364	BT40 ADB	G1	11,0 0.433	90,0 3.543	63,0 2.480	-	20,0 0.787	155,4 6.118	2	1	G6.3	1,06 2.340
EM34144011440	02469725	BT40 ADB	G2	14,0 0.551	40,0 1.575	13,0 0.512	-	25,0 0.984	105,4 4.150	2	1	G6.3	0,98 2.160
EM34144011490	02503365	BT40 ADB	G2	14,0 0.551	90,0 3.543	63,0 2.480	-	25,0 0.984	155,4 6.118	2	1	G6.3	1,15 2.540
EM34144011840	02503366	BT40 ADB	G3	18,0 0.709	40,0 1.575	13,0 0.512	62,0 2.441	32,0 1.260	105,4 4.150	1	1	G6.3	1,07 2.360
EM341440118100	02503367	BT40 ADB	G3	18,0 0.709	100,0 3.937	73,0 2.874	-	32,0 1.260	165,4 6.512	2	1	G6.3	1,31 2.890
EM34144012245	02503368	BT40 ADB	G4	22,0 0.866	45,0 1.772	18,0 0.709	62,0 2.441	40,0 1.575	110,4 4.346	1	1	G6.3	1,14 2.510
EM341440122100	02503370	BT40 ADB	G4	22,0 0.866	100,0 3.937	73,0 2.874	-	40,0 1.575	165,4 6.512	2	1	G6.3	1,54 3.400
EM34144012845	02457989	BT40 ADB	G5	28,0 1.102	45,0 1.772	18,0 0.709	62,0 2.441	50,0 1.969	110,4 4.346	1	1	PB	1,12 2.470
EM34144012880	02503371	BT40 ADB	G5	28,0 1.102	80,0 3.150	53,0 2.087	-	50,0 1.969	145,4 5.724	2	1	PB	1,54 3.400
EM341440128120	02503372	BT40 ADB	G5	28,0 1.102	120,0 4.724	93,0 3.661	-	50,0 1.969	185,4 7.299	2	1	PB	2,12 4.670
EM34144013650	02503373	BT40 ADB	G6	36,0 1.417	50,0 1.969	0,0 -	-	63,0 2.480	115,4 4.543	2	0	PB	1,13 2.490
EM341440136120	02503374	BT40 ADB	G6	36,0 1.417	120,0 4.724	0,0 -	-	63,0 2.480	185,4 7.299	2	1	PB	2,78 6.130
EM341640114110	02503375	BT50 ADB	G2	14,0 0.551	110,0 4.331	72,0 2.835	-	25,0 0.984	211,8 8.339	2	1	G6.3	3,7 8.160
EM34164011845	02503376	BT50 ADB	G3	18,0 0.709	45,0 1.772	7,0 0.276	70,0 2.756	32,0 1.260	146,8 5.780	1	1	G6.3	3,58 7.890
EM341640118120	02503377	BT50 ADB	G3	18,0 0.709	120,0 4.724	82,0 3.228	-	32,0 1.260	221,8 8.732	2	1	G6.3	3,9 8.600
EM34164012250	02503378	BT50 ADB	G4	22,0 0.866	50,0 1.969	12,0 0.472	70,0 2.756	40,0 1.575	151,8 5.976	1	1	G6.3	3,66 8.070
EM341640122140	02503379	BT50 ADB	G4	22,0 0.866	140,0 5.512	102,0 4.016	-	40,0 1.575	241,8 9.520	2	1	G6.3	4,5 9.920
EM34164012855	02503380	BT50 ADB	G5	28,0 1.102	55,0 2.165	17,0 0.669	98,0 3.858	50,0 1.969	156,8 6.173	1	1	PB	4,0 8.820
EM341640128100	02503381	BT50 ADB	G5	28,0 1.102	100,0 3.937	62,0 2.441	-	50,0 1.969	201,8 7.945	2	1	PB	4,22 9.300
EM341640128140	02503382	BT50 ADB	G5	28,0 1.102	140,0 5.512	102,0 4.016	-	50,0 1.969	241,8 9.520	2	1	PB	4,8 10.580
EM34164013663	02503383	BT50 ADB	G6	36,0 1.417	63,0 2.480	25,0 0.984	98,0 3.858	63,0 2.480	164,8 6.488	1	1	PB	4,2 9.260
EM341640136100	02503384	BT50 ADB	G6	36,0 1.417	100,0 3.937	62,0 2.441	-	63,0 2.480	201,8 7.945	2	1	PB	4,6 10.140
EM341640136140	02503385	BT50 ADB	G6	36,0 1.417	140,0 5.512	102,0 4.016	-	63,0 2.480	241,8 9.520	2	1	PB	5,54 12.210

Ürün Tanımı	Ürün numarası	CTMS	CTWS	DCB	LF	LB	BD1	BD	OAL	Tasarım	RFID deliği	Balans ayarı	Ağırlık
				mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç				kg lb
EM34164014665	02503386	BT50 ADB	G7	46,0 1.811	65,0 2.559	27,0 1.063	98,0 3.858	90,0 3.543	166,8 6.567	1	1	PB	4,4 9.700
EM341640146120	02503387	BT50 ADB	G7	46,0 1.811	120,0 4.724	82,0 3.228	-	90,0 3.543	221,8 8.732	2	1	PB	6,8 14.990
EM341640146200	02503388	BT50 ADB	G7	46,0 1.811	200,0 7.874	162,0 6.378	-	90,0 3.543	301,8 11.882	2	1	PB	10,7 23.590

Aksesuarlar

Şu ebat/konik için	Anahtar
	
BT40/ G1	03H02
BT40/ G2	03H025
BT40/ G3	03H03
BT40/ G4	03H04
BT40/ G5	03H05
BT40/ G6	03H06
BT50/ G2	03H025
BT50/ G3	03H03
BT50/ G4	03H04
BT50/ G5	03H05
BT50/ G6	03H06
BT50/ G7	03H10

Yedek parçalar

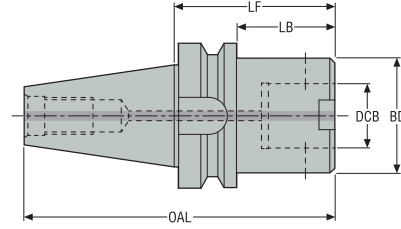
Şu ebat/konik için	Montaj vidası	Tapa
		
BT40/ G1	90F1	950A0406
BT40/ G2	90F2	950A0406
BT40/ G3	90F3	950A0406
BT40/ G4	90F4	950A0406
BT40/ G5	90F5	950A0406
BT40/ G6	90F6	950A0406
BT50/ G2	90F2	950A0606
BT50/ G3	90F3	950A0606
BT50/ G4	90F4	950A0606
BT50/ G5	90F5	950A0606
BT50/ G6	90F6	950A0606
BT50/ G7	90F7	950A0606

G 401 – Graflex® tutucular

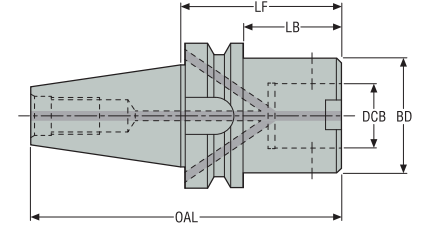
BT Konik ve Flaş teması-AD/ADB



Typ 1



Typ 2



Ürün Tanımı	Ürün numarası	CTMS	CTWS	DCB	LF	LB	BD	OAL	Tasarım	RFID deliği	Balans ayarı	Ağırlık
				mm İnç	mm İnç	mm İnç	mm İnç	mm İnç				kg lb
EM40024011850	02998757	BT30 TF AD	G3	18,0 0.709	50,0 1.969	28,0 1.102	32,0 1.260	98,4 3.874	1	0	G6.3	0,5 1.100
EM40024012250	02998758	BT30 TF AD	G4	22,0 0.866	50,0 1.969	28,0 1.102	40,0 1.575	98,4 3.874	1	0	G6.3	0,6 1.320
EM321440122100	02998754	BT40 TF ADB	G4	22,0 0.866	100,0 3.937	73,0 2.874	40,0 1.575	165,4 6.512	2	1	G6.3	1,6 3.530
EM321440128120	02926006	BT40 TF ADB	G5	28,0 1.102	120,0 4.724	93,0 3.661	50,0 1.969	185,4 7.299	2	1	PB	2,1 4.630
EM321440136120	02998755	BT40 TF ADB	G6	36,0 1.417	120,0 4.724	93,0 3.661	63,0 2.480	185,4 7.299	2	1	PB	2,8 6.170
EM321640128140	02998756	BT50 TF ADB	G5	28,0 1.102	140,0 5.512	102,0 4.016	50,0 1.969	241,8 9.520	2	1	PB	4,9 10.800
EM321640136140	02926009	BT50 TF ADB	G6	36,0 1.417	140,0 5.512	102,0 4.016	63,0 2.480	241,8 9.520	2	1	PB	5,6 12.350
EM321640146200	02926010	BT50 TF ADB	G7	46,0 1.811	200,0 7.874	162,0 6.378	90,0 3.543	301,8 11.882	2	1	PB	10,7 23.590

Aksesuarlar

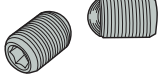

Şu ebat için

Anahtar



EM40024011850	03H03
EM40024012250	03H04
EM321440122100	03H04
EM321440128120	03H05
EM321440136120	03H06
EM321640128140	03H05
EM321640136140	03H06
EM321640146200	03H10

Yedek parçalar

Şu ebat için	Montaj vidası	Tapa
		
EM40024011850	90F3	-
EM40024012250	90F4	-
EM321440122100	90F4	950A0406
EM321440128120	90F5	950A0406
EM321440136120	90F6	950A0406
EM321640128140	90F5	950A0606
EM321640136140	90F6	950A0606
EM321640146200	90F7	950A0606

Giriş

Delme

Raybalama

Baralama

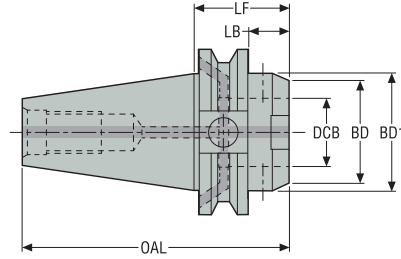
Ek

G 401 – Graflex® tutucular

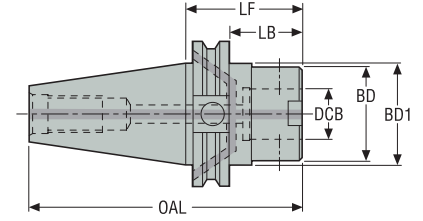
CAT / ASME B5.50-1994-ADB



Typ 1



Typ 2



Ürün Tanımı	Ürün numarası	CTMS	CTWS	DCB	LF	LB	BD1	BD	OAL	Tasarım	RFID deliği	Balans ayarı	Ağırlık
				İnç	İnç	İnç	İnç	İnç	İnç				lb
EM25024011435	02469734	CAT40 ADB	G2	0.551	1.380	0.630	1.750	0.984	4.070	1	1	G6.3	2.120
EM25024011835	00056660	CAT40 ADB	G3	0.709	1.380	0.630	1.750	1.260	4.070	1	1	G6.3	2.090
EM25024012235	00056661	CAT40 ADB	G4	0.866	1.380	0.630	1.750	1.575	4.070	1	1	G6.3	2.030
EM25024012840	00056663	CAT40 ADB	G5	1.102	1.570	0.820	1.750	1.969	4.270	2	1	PB	1.980
EM250240128100	00056662	CAT40 ADB	G5	1.102	3.940	3.190	1.750	1.969	7.420	2	1	PB	3.860
EM25024013660	00056665	CAT40 ADB	G6	1.417	2.360	1.610	1.750	2.480	5.060	2	1	PB	2.710
EM25044011835	00056666	CAT50 ADB	G3	0.709	1.380	0.630	2.750	1.260	5.380	1	1	G6.3	6.720
EM25044012235	00056667	CAT50 ADB	G4	0.866	1.380	0.630	2.750	1.575	5.380	1	1	G6.3	6.530
EM25044012840	00056669	CAT50 ADB	G5	1.102	1.570	0.820	2.750	1.969	5.580	2	1	PB	6.590
EM250440128100	00056668	CAT50 ADB	G5	1.102	3.940	3.190	2.750	1.969	7.940	2	1	PB	8.380
EM25044013645	00056671	CAT50 ADB	G6	1.417	1.770	1.020	2.750	2.480	5.780	1	1	PB	7.050
EM250440136120	00056670	CAT50 ADB	G6	1.417	4.720	3.970	2.750	2.480	9.520	1	1	PB	10.140
EM25044014665	00056675	CAT50 ADB	G7	1.811	2.560	1.810	2.750	3.543	5.970	2	1	PB	8.330
EM250440146120	00056673	CAT50 ADB	G7	1.811	4.720	3.970	2.750	3.543	8.730	2	1	PB	13.800
EM250440146200	00056674	CAT50 ADB	G7	1.811	7.870	7.120	2.750	3.543	11.880	2	1	PB	22.750

Aksesuarlar

Şu ebat/konik için

Anahtar



CAT40/ G2	03H025
CAT40/ G3	03H03
CAT40/ G4	03H04
CAT40/ G5	03H05
CAT40/ G6	03H06
CAT50/ G3	03H03
CAT50/ G4	03H04
CAT50/ G5	03H05
CAT50/ G6	03H06
CAT50/ G7	03H10

Yedek parçalar

Şu ebat/konik için	Montaj vidası	Tapa
CAT40/ G2	90F2	950A0406
CAT40/ G3	90F3	950A0406
CAT40/ G4	90F4	950A0406
CAT40/ G5	90F5	950A0406
CAT40/ G6	90F6	950A0406
CAT50/ G3	90F3	950A0606
CAT50/ G4	90F4	950A0606
CAT50/ G5	90F5	950A0606
CAT50/ G6	90F6	950A0606
CAT50/ G7	90F7	950A0606

Giriş

Delme

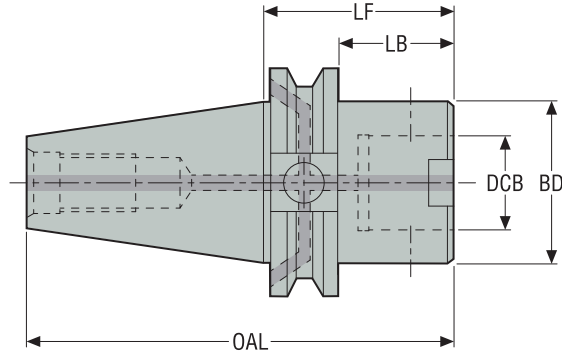
Raybalama

Baralama

Ek

G 401 – Graflex® tutucular

CAT TF / ASME B5.50-2009-ADB



Ürün Tanımı	Ürün numarası	CTMS	CTWS	DCB	LF	LB	BD	OAL	Tasarım	RFID deliği	Balans ayarı	Ağırlık
				İnç	İnç	İnç	İnç	İnç				lb
EM26424011880	02998750	CAT40 TF ADB	G3	0.709	3.150	2.398	1.260	5.843	2	1	G6.3	2.650
EM26424012280	02998751	CAT40 TF ADB	G4	0.866	3.150	2.398	1.575	5.843	2	1	G6.3	3.090
EM264240128100	02998752	CAT40 TF ADB	G5	1.102	3.937	3.185	1.969	6.630	2	1	PB	4.190
EM264240136100	02998753	CAT40 TF ADB	G6	1.417	3.937	3.185	2.480	6.630	2	1	PB	5.070
EM264440122100	02964322	CAT50 TF ADB	G4	0.866	3.937	3.185	1.575	7.943	2	1	G6.3	7.280
EM264440128100	02964323	CAT50 TF ADB	G5	1.102	3.937	3.185	1.969	7.943	2	1	PB	7.940
EM264440136120	02926850	CAT50 TF ADB	G6	1.417	4.724	3.972	2.480	8.732	1	1	PB	10.140
EM264440146200	02926851	CAT50 TF ADB	G7	1.811	7.874	7.122	3.543	11.880	2	1	PB	22.710

Aksesuarlar

Şu ebat için

Anahtar



EM26424011880

03H03

EM26424012280

03H04

EM264240128100

03H05

EM264240136100

03H06

EM264440122100

03H04

EM264440128100

03H05

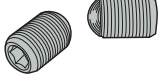

EM264440136120

03H06

EM264440146200

03H10

Yedek parçalar

Şu ebat için	Montaj vidası	Tapa
		
EM26424011880	90F3	950A0406
EM26424012280	90F4	950A0406
EM264240128100	90F5	950A0406
EM264240136100	90F6	950A0406
EM264440122100	90F4	950A0606
EM264440128100	90F5	950A0606
EM264440136120	90F6	950A0606
EM264440146200	90F7	950A0606

Giriş

Delme

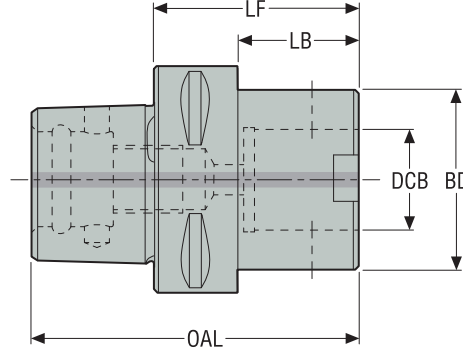
Raybalama

Baralama

Ek

G 401 – Graflex® adaptörler

Seco-Capto™



Ürün Tanımı	Ürün numarası	CTMS	CTWS	DCB	LF	LB	BD	OAL	RFID deliği	Balans ayarı	Ağırlık
				mm İnç	mm İnç	mm İnç	mm İnç	mm İnç			kg lb
C3-391.0401-08025	02532939	C3	G0	8,0 0.315	25,0 0.984	7,0 0.276	16,0 0.630	44,0 1.732	0	G6.3	0,14 0.310
C3-391.0401-11025	02532940	C3	G1	11,0 0.433	25,0 0.984	7,0 0.276	20,0 0.787	44,0 1.732	0	G6.3	0,14 0.310
C3-391.0401-14025	02532941	C3	G2	14,0 0.551	25,0 0.984	7,0 0.276	25,0 0.984	44,0 1.732	0	G6.3	0,15 0.330
C3-391.0401-18030	02532942	C3	G3	18,0 0.709	30,0 1.181	0,0 -	32,0 1.260	49,0 1.929	0	G6.3	0,16 0.350
C4-391.0401-18035	02532943	C4	G3	18,0 0.709	35,0 1.378	12,0 0.472	32,0 1.260	59,0 2.323	0	G6.3	0,31 0.680
C4-391.0401-22035	02532944	C4	G4	22,0 0.866	35,0 1.378	0,0 -	40,0 1.575	59,0 2.323	0	G6.3	0,31 0.680
C5-391.0401-14030	02532945	C5	G2	14,0 0.551	30,0 1.181	7,0 0.276	25,0 0.984	60,0 2.362	1	G6.3	0,47 1.040
C5-391.0401-18035	02532947	C5	G3	18,0 0.709	35,0 1.378	12,0 0.472	32,0 1.260	65,0 2.559	1	G6.3	0,47 1.040
C5-391.0401-22035	02532948	C5	G4	22,0 0.866	35,0 1.378	12,0 0.472	40,0 1.575	65,0 2.559	1	G6.3	0,51 1.120
C5-391.0401-28045	02532949	C5	G5	28,0 1.102	45,0 1.772	22,0 0.866	50,0 1.969	75,0 2.953	1	PB	0,64 1.410
C6-391.0401-18035	02532950	C6	G3	18,0 0.709	35,0 1.378	10,0 0.394	32,0 1.260	73,0 2.874	1	G6.3	0,84 1.850
C6-391.0401-22040	02532951	C6	G4	22,0 0.866	40,0 1.575	15,0 0.591	40,0 1.575	78,0 3.071	1	G6.3	0,89 1.960
C6-391.0401-28050	02532952	C6	G5	28,0 1.102	50,0 1.969	25,0 0.984	50,0 1.969	88,0 3.465	1	PB	1,04 2.290
C6-391.0401-36055	02532953	C6	G6	36,0 1.417	55,0 2.165	0,0 -	63,0 2.480	93,0 3.661	1	PB	1,19 2.620
C8-391.0401-28050	02532954	C8	G5	28,0 1.102	50,0 1.969	17,0 0.669	50,0 1.969	98,0 3.858	1	PB	1,92 4.230
C8-391.0401-36055	02532955	C8	G6	36,0 1.417	55,0 2.165	22,0 0.866	63,0 2.480	103,0 4.055	1	PB	2,02 4.450
C8-391.0401-46065	02532956	C8	G7	46,0 1.811	65,0 2.559	35,0 1.378	90,0 3.543	113,0 4.449	1	PB	2,71 5.970

Giriş

Delme

Raybalama

Baralama

Ek

Aksesuarlar

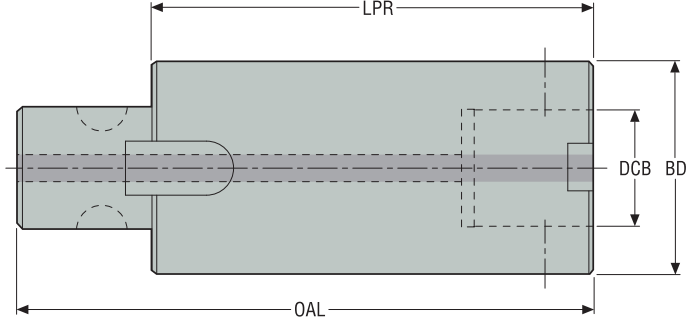
Şu ebat için	Anahtar
G0	03H02
G1	03H02
G2	03H025
G3	03H03
G4	03H04
G5	03H05
G6	03H06
G7	03H10

Yedek parçalar

Şu ebat için	Montaj vidası
G0	90F0
G1	90F1
G2	90F2
G3	90F3
G4	90F4
G5	90F5
G6	90F6
G7	90F7

G 402 – Graflex® uzatmalar

Graflex®



Ürün Tanımı	Ürün numarası	CTMS	CTWS	LPR	DCB	BD	OAL	RFID deliği	Balans ayarı	Ağırlık
				mm İnç	mm İnç	mm İnç	mm İnç			kg lb
M402000	00056752	G0	G0	30,0 1.181	8,0 0.315	16,0 0.630	42,0 1.654	0	PB	0,05 0.110
M402001	00056753	G0	G0	50,0 1.969	8,0 0.315	16,0 0.630	62,0 2.441	0	PB	0,08 0.180
M402110	00056754	G1	G1	30,0 1.181	11,0 0.433	20,0 0.787	43,0 1.693	0	PB	0,07 0.150
M402111	00056755	G1	G1	50,0 1.969	11,0 0.433	20,0 0.787	63,0 2.480	0	PB	0,12 0.260
M402220	00056756	G2	G2	30,0 1.181	14,0 0.551	25,0 0.984	46,0 1.811	0	PB	0,11 0.240
M402221	00056757	G2	G2	50,0 1.969	14,0 0.551	25,0 0.984	66,0 2.598	0	PB	0,18 0.400
M402330	00056758	G3	G3	40,0 1.575	18,0 0.709	32,0 1.260	60,0 2.362	0	PB	0,24 0.530
M402331	75056759	G3	G3	60,0 2.362	18,0 0.709	32,0 1.260	80,0 3.150	0	PB	0,36 0.790
M402440	00056760	G4	G4	40,0 1.575	22,0 0.866	40,0 1.575	64,0 2.520	0	PB	0,37 0.820
M402441	00056761	G4	G4	60,0 2.362	22,0 0.866	40,0 1.575	84,0 3.307	0	PB	0,57 1.260
M402444	02786252	G4	G4	200,0 7.874	22,0 0.866	40,0 1.575	224,0 8.819	0	PB	1,95 4.300
M402550	00056762	G5	G5	50,0 1.969	28,0 1.102	50,0 1.969	80,0 3.150	0	PB	0,72 1.590
M402551	00056763	G5	G5	75,0 2.953	28,0 1.102	50,0 1.969	105,0 4.134	0	PB	1,12 2.470
M402552	00056764	G5	G5	100,0 3.937	28,0 1.102	50,0 1.969	130,0 5.118	0	PB	1,48 3.260
M402554	02786254	G5	G5	250,0 9.843	28,0 1.102	50,0 1.969	280,0 11.024	0	PB	3,9 8.600
M402660	00056765	G6	G6	60,0 2.362	36,0 1.417	63,0 2.480	100,0 3.937	0	PB	1,38 3.040
M402661	00056766	G6	G6	90,0 3.543	36,0 1.417	63,0 2.480	130,0 5.118	0	PB	2,1 4.630
M402662	00056767	G6	G6	120,0 4.724	36,0 1.417	63,0 2.480	160,0 6.299	0	PB	2,82 6.220
M402664	02786255	G6	G6	300,0 11.811	36,0 1.417	63,0 2.480	340,0 13.386	0	PB	7,2 15.870
M402770	00056768	G7	G7	60,0 2.362	46,0 1.811	90,0 3.543	110,0 4.331	0	-	2,9 6.390
M402771	00056769	G7	G7	90,0 3.543	46,0 1.811	90,0 3.543	140,0 5.512	0	-	4,03 8.880

Ürün Tanımı	Ürün numarası	CTMS	CTWS	LPR	DCB	BD	OAL	RFID deliği	Balans ayarı	Ağırlık
				mm İnç	mm İnç	mm İnç	mm İnç			kg lb
M402772	00056770	G7	G7	120,0 4.724	46,0 1.811	90,0 3.543	170,0 6.693	0	-	5,8 12.790
M402774	02786257	G7	G7	300,0 11.811	46,0 1.811	90,0 3.543	350,0 13.780	0	-	14,6 32.190

Aksesuarlar

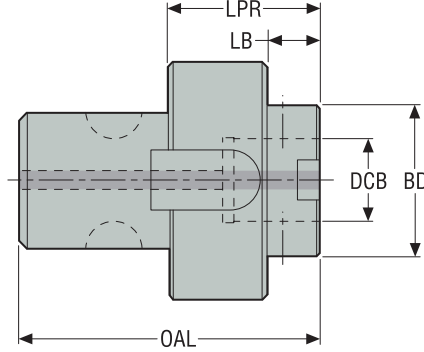
Şu ebat için	Anahtar
G0	03H02
G1	03H02
G2	03H025
G3	03H03
G4	03H04
G5	03H05
G6	03H06
G7	03H10

Yedek parçalar

Şu ebat için	Montaj vidası	Kama
G0	90F0	90M0
G1	90F1	90M1
G2	90F2	90M2
G3	90F3	90M3
G4	90F4	90M4
G5	90F5	90M5
G6	90F6	90M6
G7	90F7	90M7

G 403 – Graflex® çap düşürücüler

Graflex®

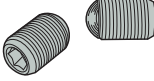



Ürün Tanımı	Ürün numarası	CTMS	CTWS	LPR	LB	DCB	BD	OAL	RFID deliği	Balans ayarı	Ağırlık
				mm İnç	mm İnç	mm İnç	mm İnç	mm İnç			kg lb
M40310	00056771	G1	G0	30,0 1.181	22,0 0.866	8,0 0.315	16,0 0.630	43,0 1.693	0	PB	0,06 0.130
M40320	00056772	G2	G0	30,0 1.181	19,0 0.748	8,0 0.315	16,0 0.630	46,0 1.811	0	PB	0,08 0.180
M40321	00056773	G2	G1	30,0 1.181	19,0 0.748	11,0 0.433	20,0 0.787	46,0 1.811	0	PB	0,1 0.220
M40330	00056774	G3	G0	30,0 1.181	16,0 0.630	8,0 0.315	16,0 0.630	50,0 1.969	0	PB	0,15 0.330
M40331	00056775	G3	G1	30,0 1.181	16,0 0.630	11,0 0.433	20,0 0.787	50,0 1.969	0	PB	0,15 0.330
M40332	00056776	G3	G2	30,0 1.181	16,0 0.630	14,0 0.551	25,0 0.984	50,0 1.969	0	PB	0,16 0.350
M40341	00056778	G4	G1	30,0 1.181	13,0 0.512	11,0 0.433	20,0 0.787	54,0 2.126	0	PB	0,25 0.550
M40342	00056779	G4	G2	30,0 1.181	13,0 0.512	14,0 0.551	25,0 0.984	54,0 2.126	0	PB	0,27 0.600
M40343	00056780	G4	G3	30,0 1.181	13,0 0.512	18,0 0.709	32,0 1.260	54,0 2.126	0	PB	0,27 0.600
M40350	00056781	G5	G0	40,0 1.575	20,0 0.787	8,0 0.315	16,0 0.630	70,0 2.756	0	PB	0,47 1.040
M40351	00056783	G5	G1	40,0 1.575	20,0 0.787	11,0 0.433	20,0 0.787	70,0 2.756	0	PB	0,49 1.080
M40352	00056785	G5	G2	40,0 1.575	20,0 0.787	14,0 0.551	25,0 0.984	70,0 2.756	0	PB	0,49 1.080
M40353	00056787	G5	G3	40,0 1.575	20,0 0.787	18,0 0.709	32,0 1.260	70,0 2.756	0	PB	0,52 1.150
M40354	00056789	G5	G4	40,0 1.575	20,0 0.787	22,0 0.866	40,0 1.575	70,0 2.756	0	PB	0,55 1.210
M40363	00056797	G6	G3	40,0 1.575	14,0 0.551	18,0 0.709	32,0 1.260	80,0 3.150	0	PB	0,98 2.160
M40364	00056799	G6	G4	40,0 1.575	14,0 0.551	22,0 0.866	40,0 1.575	80,0 3.150	0	PB	0,97 2.140
M40365	00056807	G6	G5	45,0 1.772	19,0 0.748	28,0 1.102	50,0 1.969	85,0 3.346	0	PB	1,04 2.290
M40375	00056811	G7	G5	50,0 1.969	24,0 0.945	28,0 1.102	50,0 1.969	100,0 3.937	0	-	2,08 4.590
M40376	00056812	G7	G6	55,0 2.165	29,0 1.142	36,0 1.417	63,0 2.480	105,0 4.134	0	-	2,23 4.920

Aksesuarlar

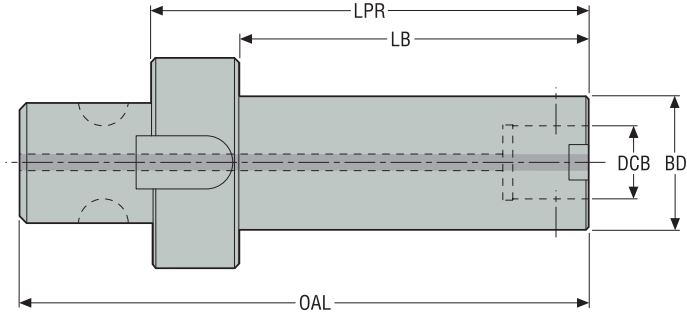
Şu ebat için	Anahtar
	
M40310	03H02
M40320	03H02
M40321	03H02
M40330	03H02
M40331	03H02
M40332	03H025
M40341	03H02
M40342	03H025
M40343	03H03
M40350	03H02
M40351	03H02
M40352	03H025
M40353	03H03
M40354	03H04
M40363	03H03
M40364	03H04
M40365	03H05
M40375	03H05
M40376	03H06

Yedek parçalar

Şu ebat için	Montaj vidası	Kama
		
M40310	90F0	90M1
M40320	90F0	90M2
M40321	90F1	90M2
M40330	90F0	90M3
M40331	90F1	90M3
M40332	90F2	90M3
M40341	90F1	90M4
M40342	90F2	90M4
M40343	90F3	90M4
M40350	90F0	90M5
M40351	90F1	90M5
M40352	90F2	90M5
M40353	90F3	90M5
M40354	90F4	90M5
M40363	90F3	90M6
M40364	90F4	90M6
M40365	90F5	90M6
M40375	90F5	90M7
M40376	90F6	90M7

G 403 – Graflex® uzun çap düşürücüler

Graflex®



Ürün Tanımı	Ürün numarası	CTMS	CTWS	LPR	LB	DCB	BD	OAL	RFID deliği	Balans ayarı	Ağırlık
				mm İnç	mm İnç	mm İnç	mm İnç	mm İnç			kg lb
M40350070	00056782	G5	G0	70,0 2.756	50,0 1.969	8,0 0.315	16,0 0.630	100,0 3.937	0	PB	0,51 1.120
M40351080	00056784	G5	G1	80,0 3.150	60,0 2.362	11,0 0.433	20,0 0.787	110,0 4.331	0	PB	0,57 1.260
M40352100	00056786	G5	G2	100,0 3.937	80,0 3.150	14,0 0.551	25,0 0.984	130,0 5.118	0	PB	0,71 1.570
M40353120	00056788	G5	G3	120,0 4.724	100,0 3.937	18,0 0.709	32,0 1.260	150,0 5.906	0	PB	1,02 2.250
M40354150	00056790	G5	G4	150,0 5.906	130,0 5.118	22,0 0.866	40,0 1.575	180,0 7.087	0	PB	1,62 3.570
M40361090	00056794	G6	G1	90,0 3.543	64,0 2.520	11,0 0.433	20,0 0.787	130,0 5.118	0	PB	1,08 2.380
M40362110	00056796	G6	G2	110,0 4.331	84,0 3.307	14,0 0.551	25,0 0.984	150,0 5.906	0	PB	1,23 2.710
M40363120	00056798	G6	G3	120,0 4.724	94,0 3.701	18,0 0.709	32,0 1.260	160,0 6.299	0	PB	1,46 3.220
M40364150	00056800	G6	G4	150,0 5.906	124,0 4.882	22,0 0.866	40,0 1.575	190,0 7.480	0	PB	2,07 4.560
M40365190	00056808	G6	G5	190,0 7.480	164,0 6.457	28,0 1.102	50,0 1.969	230,0 9.055	0	PB	3,2 7.050

Aksesuarlar

Şu ebat için

Anahtar



M40350070	03H02
M40351080	03H02
M40352100	03H025
M40353120	03H03
M40354150	03H04
M40361090	03H02
M40362110	03H025
M40363120	03H03
M40364150	03H04
M40365190	03H05

Yedek parçalar

Şu ebat için	Montaj vidası	Kama
M40350070	90F0	90M5
M40351080	90F1	90M5
M40352100	90F2	90M5
M40353120	90F3	90M5
M40354150	90F4	90M5
M40361090	90F1	90M6
M40362110	90F2	90M6
M40363120	90F3	90M6
M40364150	90F4	90M6
M40365190	90F5	90M6

Giriş

Delme

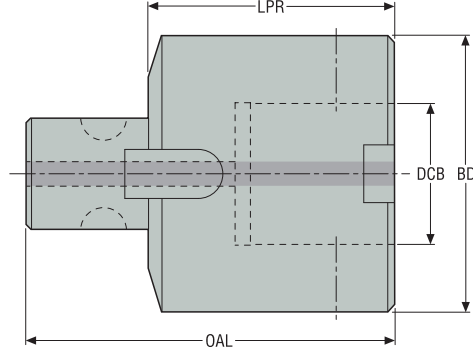
Raybalama

Baralama

Ek

G 403 – Graflex® çap büyütücüler

Graflex®



Ürün Tanımı	Ürün numarası	CTMS	CTWS	LPR	DCB	BD	OAL	RFID deliği	Balans ayarı	Ağırlık
				mm İnç	mm İnç	mm İnç	mm İnç			kg lb
M40356	00056791	G5	G6	55,0 2.165	36,0 1.417	63,0 2.480	85,0 3.346	0	PB	1,08 2.380
M40367	00056810	G6	G7	80,0 3.150	46,0 1.811	90,0 3.543	120,0 4.724	0	PB	3,46 7.630

Akseuarlar

Şu ebat
için

Anahtar



M40356

03H06

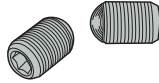
M40367

03H10

Yedek parçalar

Şu ebat
için

Montaj vidası



Kama



M40356

90F6

90M5

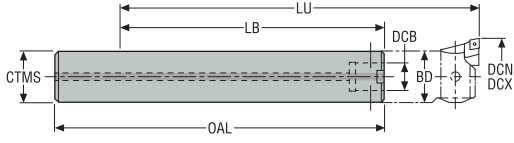
M40367

90F7

90M6

G 401 – Graflex® tutucular, çelik

Silindirik



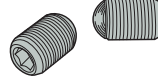
- Baralama kafası tip A780 veya A790 ile LU boyunda hassas baralama için uygun
- h5 toleranslı silindirik sap CTMS, Shrinkfit için uygundur

Ürün Tanımı	Ürün numarası	CTMS	CTWS	DCB	DCN	DCX	OAL	BD	LU	LB	RFID deliği	Balans ayarı	Ağırlık
				mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç			kg lb
M4011408	00086938	14	G0	8,0 0.315	15,0 0.591	18,5 0.728	120,0 4.724	14,0 0.551	110,0 4.331	75,0 2.953	0	G6.3	0,12 0.260
M4011608	00086935	16	G0	8,0 0.315	18,0 0.709	23,5 0.925	150,0 5.906	16,0 0.630	137,0 5.394	102,0 4.016	0	G6.3	0,2 0.440
M4012011	00086936	20	G1	11,0 0.433	23,0 0.906	31,0 1.220	150,0 5.906	20,0 0.787	140,0 5.512	100,0 3.937	0	G6.3	0,33 0.730
M4012514	00086937	25	G2	14,0 0.551	30,0 1.181	40,0 1.575	150,0 5.906	25,0 0.984	139,0 5.472	93,0 3.661	0	G6.3	0,53 1.170
M4013218	00086939	32	G3	18,0 0.709	39,0 1.535	51,0 2.008	150,0 5.906	32,0 1.260	155,0 6.102	90,0 3.543	0	G6.3	0,87 1.920

Yedek parçalar

Şu ebat için

Montaj vidası



M4011408	90F01
M4011608	90F0
M4012011	90F1
M4012514	90F2
M4013218	90F3

Aksesuarlar

Şu ebat için

Anahtar



M4011408	03H025
M4011608	03H02
M4012011	03H02
M4012514	03H025
M4013218	03H03

Giriş

Delme

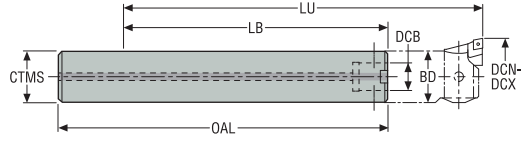
Raybalama

Baralama

Ek

G 401 – Graflex® tutucular, çelik

Silindirik

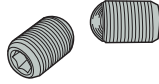


- Baralama kafası tip A780 veya A790 ile LU boyunda hassas baralama için uygun
- h5 toleranslı silindirik sap CTMS, Shrinkfit için uygundur

Ürün Tanımı	Ürün numarası	CTMS	CTWS	DCB	DCN	DCX	OAL	BD	LU	LB	RFID deliği	Balans ayarı	Ağırlık
		İnç		İnç	İnç	İnç	İnç	İnç	İnç	İnç			lb
M40107511	00056741	0.750	G1	0.433	0.906	1.220	5.906	0.827	5.510	3.906	0	G6.3	0.640

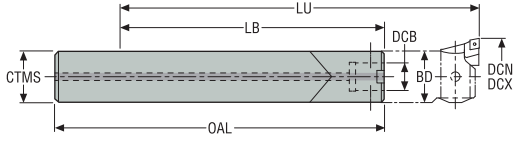
Yedek parçalar

Şu ebat için	Montaj vidası	Anahtar
M40107511	90F1	03H02



G 401 – Graflex® tutucular, karbür

Silindirik



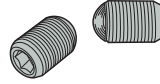
- Baralama kafası tip A780 veya A790 ile LU boyunda hassas baralama için uygun
- CTMS toleransı h5

Ürün Tanımı	Ürün numarası	CTMS	CTWS	DCB	DCN	DCX	OAL	BD	LU	LB	RFID deliği	Balans ayarı	Ağırlık
													kg lb
M4011408C	00073004	14	G0	8,0 0.315	15,0 0.591	18,5 0.728	152,0 5.984	14,0 0.551	140,0 5.512	105,0 4.134	0	G6.3	0,31 0.680
M4011608C	00056747	16	G0	8,0 0.315	18,0 0.709	23,5 0.925	175,0 6.890	16,0 0.630	160,0 6.299	125,0 4.921	0	G6.3	0,47 1.040
M4012011C	00056749	20	G1	11,0 0.433	23,0 0.906	31,0 1.220	212,0 8.346	20,0 0.787	200,0 7.874	160,0 6.299	0	G6.3	0,89 1.960
M4012514C	00056750	25	G2	14,0 0.551	30,0 1.181	40,0 1.575	262,0 10.315	25,0 0.984	250,0 9.843	204,0 8.031	0	G6.3	1,71 3.770
M4013218C	00056751	32	G3	18,0 0.709	39,0 1.535	51,0 2.008	317,0 12.480	32,0 1.260	320,0 12.598	255,0 10.039	0	G6.3	3,44 7.580

Yedek parçalar

Şu ebat için

Montaj vidası



M4011408C	90F01
M4011608C	90F0
M4012011C	90F1
M4012514C	90F2
M4013218C	90F3

Aksesuarlar

Şu ebat için

Anahtar



M4011408C	03H025
M4011608C	03H02
M4012011C	03H02
M4012514C	03H025
M4013218C	03H03

Giriş

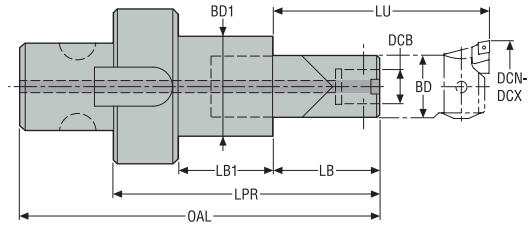
Delme

Raybalama

Baralama

Ek

G 403 – Graflex® çok uzun karbür çap düşürücüler



- Uzatma bölümü karbür malzemeden üretilmiştir
- Baralama kafası tip A780 veya A790 ile LU boyunda hassas baralama için uygun

Ürün Tanımı	Ürün numarası	CTMS	CTWS	DCB	DCN	DCX	LPR	LU	BD	BD1	LB1	LB	OAL	RFID deliği	Balans ayarı	Ağırlık
				mm Inç	mm Inç	mm Inç	mm Inç	mm Inç	mm Inç	mm Inç	mm Inç	mm Inç	mm Inç			kg lb
M40350C150	00057604	G5	G0	8,0 0.315	18,0 0.709	23,5 0.925	150,0 5.906	130,0 5.118	16,0 0.630	32,0 1.260	35,0 1.378	95,0 3.740	180,0 7.087	0	PB	1,0 2.200
M40351C180	00056943	G5	G1	11,0 0.433	23,0 0.906	31,0 1.220	180,0 7.087	160,0 6.299	20,0 0.787	36,0 1.417	40,0 1.575	120,0 4.724	210,0 8.268	0	PB	1,33 2.930
M40352C220	00057605	G5	G2	14,0 0.551	30,0 1.181	40,0 1.575	220,0 8.661	200,0 7.874	25,0 0.984	41,0 1.614	45,0 1.772	155,0 6.102	250,0 9.843	0	PB	2,01 4.430

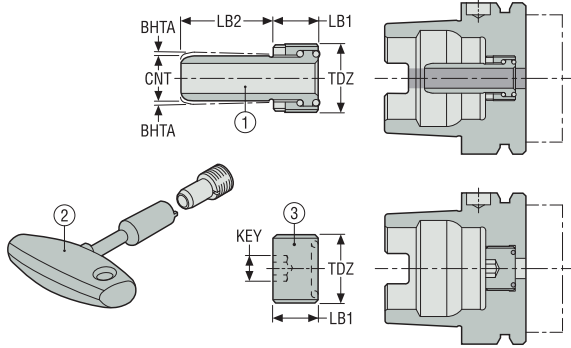
Yedek parçalar

Şu ebat için	Montaj vidası	Kama
M40350C150	90F0	90M5
M40351C180	90F1	90M5
M40352C220	90F2	90M5

Aksesuarlar

Şu ebat için	Anahtar
M40350C150	03H02
M40351C180	03H02
M40352C220	03H025

HSK soğutma sıvısı boruları, boru anahtarları ve sızdırmaz tapalar



- HSK-A - Seco-Capto tipi tutucular yedek parça olarak temin edilen ve özel bir soğutma sıvısı borusu anahtarı gerektiren bir soğutma sıvısı borusu ile temin edilir, ürün sayfalarına bakınız 530, 531-532, 533

Tanım	Ürün Tanımı	Ürün numarası	HSK Form A ve E tutucular için	LB1	LB2	KEY	CNT	TDZ	BHTA°
				mm Inç	mm Inç	mm Inç	mm		
Soğutma sıvısı boruları (1) *	20E9301	00088814	HSK-A32 & HSK-E32	5,5 0.217	20,5 0.807	-	6	M10x1	1,0
	20E9302	00088815	HSK-A40 & HSK-E40	7,5 0.295	22,0 0.866	-	8	M12x1	1,0
	20E9303	00086740	HSK-A50 & HSK-E50	9,5 0.374	23,5 0.925	-	6	M16x1	1,0
	20E9304	00086741	HSK-A63 & HSK-E63	11,5 0.453	25,0 0.984	-	8	M18x1	1,0
	20E9306	00086742	HSK-A100 & HSK-E100	15,5 0.610	28,5 1.122	-	6	M24x1,5	1,0
	20E9307	00088816	HSK-A125	17,5 0.689	30,5 1.201	-	18	M30x1,5	1,0
	Soğutma sıvısı borusu anahtarları (2)	03E9301	00088811	HSK-A32 & HSK-E32	-	-	-	-	-
03E9302		00088812	HSK-A40 & HSK-E40	-	-	-	-	-	-
03E9303		00069969	HSK-A50 & HSK-E50	-	-	-	-	-	-
03E9304		00069970	HSK-A63 & HSK-E63	-	-	-	-	-	-
03E9305		00032296	HSK-A80 & HSK-E80	-	-	-	-	-	-
03E9306		00084012	HSK-A100 & HSK-E100	-	-	-	-	-	-
5680094-07		03248614	HSK-A125	-	-	-	-	-	-
Sızdırmaz tapalar (3)	02E9301	00031588	HSK-A32 & HSK-E32	5,0 0.197	-	3,0 0.118	-	M10x1	-
	02E9302	00031593	HSK-A40 & HSK-E40	7,0 0.276	-	4,0 0.157	-	M12x1	-
	02E9303	00001002	HSK-A50 & HSK-E50	9,0 0.354	-	5,0 0.197	-	M16x1	-
	02E9304	00010101	HSK-A63 & HSK-E63	11,0 0.433	-	6,0 0.236	-	M18x1	-
	02E9306	00014002	HSK-A100 & HSK-E100	15,0 0.591	-	10,0 0.394	-	M24x1,5	-
	02E9307	00033649	HSK-A125	17,0 0.669	-	12,0 0.472	-	M30x1,5	-



Seco-Capto™

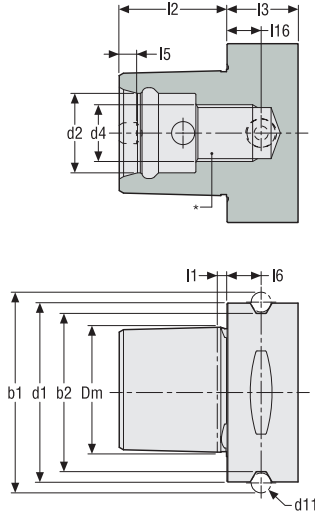
Seco-Capto™, kesme kenarı tutucuların çabuk ayarlanmasını ve değiştirilmesini sağlayan lider bir modüler tutucu sistemidir. Seco-Capto™ modüler takımla ürün çeşitlerinde ISO 26623'e uygun Poligonal Sap Bağlantısı (PSC) kullanılır ve kendinden sıkımalı konik bağlantı bulunur.

- Shrinkfit, pens tutucu ve yüzey frezesi gibi takım tutucu ürün çeşitleri
- HSK, DIN, BT bağlantıları olan Seco-Capto™ temel tutucular
- Daha fazla güvenilirlik için Seco-Capto™ kaset ve sıkma vidası

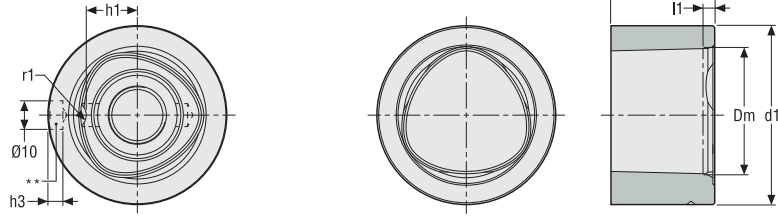
Seco-Capto™, norm boyutları

ISO 26623-1-PSC/ ISO 26623-2-PSC

Tezgah fener mili tarafı



İş parçası tarafı



Arka konik tanımları	RFID veri iletili için delik**	d ₁	d ₂	d ₄	d ₁₁	D _m	b ₁	b ₂	l ₁	l ₂	l _{3 min}	l ₅	l ₆	l ₁₆	h ₁	h ₃	r ₁
		mm Inç	mm Inç		mm Inç	mm Inç	mm Inç	mm Inç	mm Inç	mm Inç	mm Inç	mm Inç	mm Inç	mm Inç	mm Inç	mm Inç	mm Inç
C3	Hayır**	32 1.260	15 0.591	M12	5 0.197	22 0.866	39 1.535	28,3 1.114	2,5 0.098	19 0.748	15 0.591	3,2 0.126	6 0.236	9 0.354	9 0.354	5,4 0.213	3 0.118
C4	Hayır**	40 1.575	18 0.709	M14	5 0.197	28 1.102	46 1.811	35,3 1.390	2,5 0.098	24 0.945	20 0.787	4 0.157	8 0.315	12 0.472	11 0.433	5,2 0.205	3 0.118
C5	**	50 1.969	21 0.827	M16	7 0.276	35 1.378	59,3 2.335	44,4 1.748	3 0.118	30 1.181	20 0.787	5,3 0.209	10 0.394	12 0.472	14 0.551	5,1 0.201	4 0.157
C6	**	63 2.480	28 1.102	M20	7 0.276	44 1.732	70,7 2.783	55,8 2.197	3 0.118	38 1.496	22 0.866	6,2 0.244	12 0.472	12 0.472	18 0.709	5 0.197	5 0.197
C8	**	80 3.150	32 1.260	M20	7 0.276	55 2.165	86 3.386	71,1 2.799	3 0.118	48 1.890	30 1.181	8 0.315	12 0.472	12 0.472	22,2 0.874	4,9 0.193	6 0.236

İş parçası konik tanımları	RFID veri iletili için delik**	d _{1 min}	d ₃	D _m	l ₁	l ₂	l ₃	l ₄
		mm Inç	mm Inç	mm Inç	mm Inç	mm Inç	mm Inç	mm Inç
C3	Hayır	32 1.260	2 0.079	22 0.866	2,3 0.091	18,4 0.724	16,5 0.650	9,4 0.370
C4	Hayır	40 1.575	2,5 0.098	28 1.102	2,3 0.091	23,4 0.921	21 0.827	11,5 0.453
C5	Hayır	50 1.969	3 0.118	35 1.378	2,8 0.110	29,4 1.157	26 1.024	14,5 0.571
C6	**	63 2.480	4 0.157	44 1.732	2,8 0.110	37,4 1.472	33,5 1.319	18,5 0.728
C8	**	80 3.150	5 0.197	55 2.165	2,8 0.110	47,4 1.866	43 1.693	22,8 0.898

Giriş

Delme

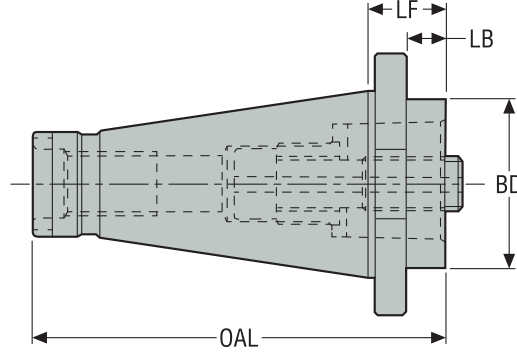
Raybalama

Baralama

Ek

C 00 – DIN 2080 bağlantılı Seco-Capto™ tutucular – ISO 26623-2

DIN 2080



Ürün Tanımı	Ürün numarası	CTMS	CTWS	LF	LB	BD	OAL	RFID deliği	Balans ayarı	Ağırlık
				mm İnç	mm İnç	mm İnç	mm İnç			kg lb
C3-390.00-40030	75039844	DIN(2080)40	C3	30,0 1.181	18,4 0.724	32,0 1.260	123,4 4.858	0	-	0,8 1.760
C4-390.00-40030	75039848	DIN(2080)40	C4	30,0 1.181	18,4 0.724	40,0 1.575	123,4 4.858	0	-	0,82 1.810
C4-390.00-40060	75039849	DIN(2080)40	C4	60,0 2.362	48,4 1.906	40,0 1.575	153,4 6.039	0	-	1,08 2.380
C5-390.00-40030	75039852	DIN(2080)40	C5	30,0 1.181	18,4 0.724	50,0 1.969	123,4 4.858	0	-	0,81 1.790
C6-390.00-40075	00048158	DIN(2080)40	C6	75,0 2.953	0,0 -	63,0 2.480	168,4 6.630	0	-	1,82 4.010
C3-390.00-50030	75039846	DIN(2080)50	C3	30,0 1.181	14,8 0.583	32,0 1.260	156,8 6.173	0	-	2,5 5.510
C3-390.00-50060	75039847	DIN(2080)50	C3	60,0 2.362	44,8 1.764	32,0 1.260	186,8 7.354	0	-	2,5 5.510
C4-390.00-50030	75039850	DIN(2080)50	C4	30,0 1.181	14,8 0.583	40,0 1.575	156,8 6.173	0	-	2,5 5.510
C4-390.00-50060	75039851	DIN(2080)50	C4	60,0 2.362	44,8 1.764	40,0 1.575	186,8 7.354	0	-	2,5 5.510
C5-390.00-50030	75039854	DIN(2080)50	C5	30,0 1.181	14,8 0.583	50,0 1.969	156,8 6.173	0	-	2,62 5.780
C5-390.00-50070	75039855	DIN(2080)50	C5	70,0 2.756	54,8 2.157	50,0 1.969	196,8 7.748	0	-	3,29 7.250
C6-390.00-50030	75039856	DIN(2080)50	C6	30,0 1.181	14,8 0.583	63,0 2.480	156,8 6.173	0	-	2,56 5.640
C6-390.00-50080	75039857	DIN(2080)50	C6	80,0 3.150	64,8 2.551	63,0 2.480	206,8 8.142	0	-	3,27 7.210
C8-390.00-50070	75039858	DIN(2080)50	C8	70,0 2.756	54,8 2.157	80,0 3.150	196,8 7.748	0	-	3,8 8.380
C8-390.00-50120	75039859	DIN(2080)50	C8	120,0 4.724	104,8 4.126	80,0 3.150	246,8 9.717	0	-	5,6 12.350

Aksesuarlar

Şu ebat için	Uzatma anahtarı	Anahtar
C3	5680015-05	5680065-13
C4	5680015-05	5680065-10
C5	5680015-01	5680065-11
C6-400	5680015-01	5680065-12
C6-500	5680015-02	5680065-12
C8	5680015-02	5680065-12

Giriş

Delme

Raybalama

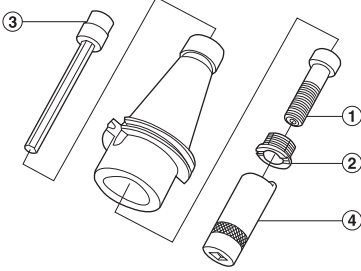
Baralama

Ek

Yedek parçalar

Şu ebat için	Merkezi vida	Sabitleme somunu
C3	5512063-10	5512091-04
C4	5512063-07	5512091-03
C5	5512063-08	5512091-01
C6-400	5512063-13	5512091-02
C6-500	5512063-09	5512091-02
C8	5512063-09	5512091-02

Aksesuarlar / Yedek parçalar



Aksesuarlar:

3 = Uzatma anahtarı

4 = Anahtar

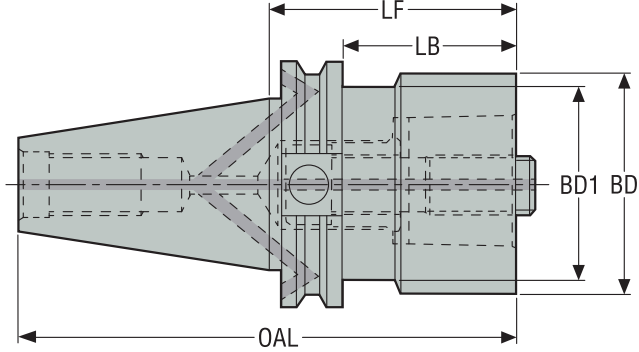
Yedek parçalar:

1 = Merkezi vida

2 = Sabitleme somunu

C 55/58 – CAT bağlantılı Seco-Capto™ tutucular

CAT / ASME B5.50-2009-ADB

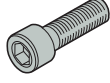




Ürün Tanımı	Ürün numarası	CTMS	CTWS	LF	LB	BD	BD1	OAL	Ta-sarım	RFID deliği	Balans ayarı	Ağırlık
				İnç	İnç	İnç	İnç	İnç				lb
C3-A390B.45-40060	02925929	CAT40 ADB	C3	2.362	1.610	1.260	1.260	5.055	2	0	PB	2.200
C4-A390B.45-40030	02925932	CAT40 ADB	C4	1.181	0.429	1.575	1.575	3.874	2	0	PB	1.830
C4-A390B.45-40060	02925933	CAT40 ADB	C4	2.362	1.610	1.575	1.575	5.055	2	0	PB	2.430
C5-A390B.45-40040	02925935	CAT40 ADB	C5	1.575	0.823	1.969	1.969	4.268	2	0	PB	2.050
C5-A390B.45-40080	02925936	CAT40 ADB	C5	3.150	2.398	1.969	1.969	5.843	2	0	PB	3.310
C6-A390B.45-40085	02925939	CAT40 ADB	C6	3.346	1.378	2.480	2.480	6.039	2	0	PB	4.250
C3-A390B.45-50030	02925930	CAT50 ADB	C3	1.181	0.429	1.260	1.260	5.185	2	0	PB	5.730
C3-A390B.45-50060	02925931	CAT50 ADB	C3	2.362	1.610	1.260	1.260	6.366	2	0	PB	5.970
C4-A390B.45-50030	02925948	CAT50 ADB	C4	1.181	0.429	1.575	1.575	5.185	2	0	PB	5.780
C4-A390B.45-50060	02925934	CAT50 ADB	C4	2.362	1.610	1.969	1.575	6.366	2	0	PB	6.240
C5-A390B.45-50030	02925937	CAT50 ADB	C5	1.181	0.429	1.969	1.969	5.185	2	0	PB	5.730
C5-A390B.45-50070	02925938	CAT50 ADB	C5	2.756	2.004	1.969	1.969	6.760	2	0	PB	6.830
C6-A390B.45-50030	02925940	CAT50 ADB	C6	1.181	0.429	2.480	2.480	5.185	2	0	PB	5.530
C6-A390B.45-50080	02925941	CAT50 ADB	C6	3.150	2.398	2.480	2.480	7.154	2	0	PB	7.940
C8-A390B.45-50070	02925942	CAT50 ADB	C8	2.756	2.004	3.150	3.150	6.760	2	0	PB	8.220
C8-A390B.45-50120	02925943	CAT50 ADB	C8	4.724	3.972	3.150	3.150	8.728	2	0	PB	12.240

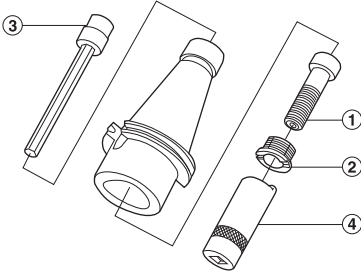
Aksesuarlar

Şu ebat için	Uzatma anahtarı	Anahtar
CAT40/ C3	5680015-05	5680065-13
CAT40/ C4	5680015-05	5680065-10
CAT40/ C5	5680015-01	5680065-11
CAT40/ C6	5680015-01	5680065-12
CAT50/ C3	5680015-05	5680065-13
CAT50/ C4-50030	5680015-05	5680065-10
CAT50/ C4-50060	5680015-05	5680065-10
CAT50/ C5	5680015-01	5680065-11
CAT50/ C6	5680015-02	5680065-12
CAT50/ C8	5680015-02	5680065-12

Yedek parçalar

Şu ebat için	Merkezi vida	Tapa	Sabitleme somunu
			
CAT40/ C3	5512063-10	564301701	5512091-04
CAT40/ C4	5512063-07	564301701	5512091-03
CAT40/ C5	5512063-08	564301701	5512091-01
CAT40/ C6	5512063-13	564301701	5512091-02
CAT50/ C3	5512063-10	564301702	5512091-04
CAT50/ C4-50030	5512063-07	564301701	5512091-03
CAT50/ C4-50060	5512063-07	564301702	5512091-03
CAT50/ C5	5512063-08	564301702	5512091-01
CAT50/ C6	5512063-09	564301702	5512091-02
CAT50/ C8	5512063-09	564301702	5512091-02

Aksesuarlar / Yedek parçalar



Aksesuarlar:

- 4 = Uzatma anahtarı
5 = Anahtar

Yedek parçalar:

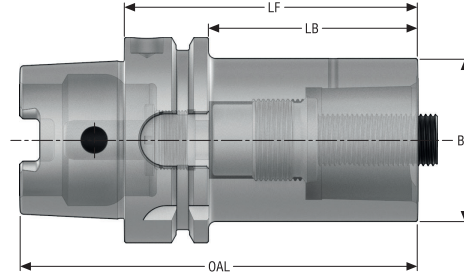
- 1 = Merkezi vida
2 = Sabitleme somunu
3 = Sızdırmaz tapalar

C 410 – HSK-A bağlantılı Seco-Capto™ tutucular – ISO 26623-2

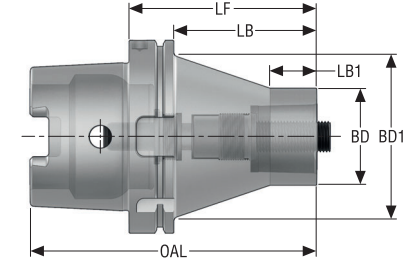
HSK-A/ ISO12164-1-HSK-A



Typ 1



Typ 2



Ürün Tanımı	Ürün numarası	CTMS	CTWS	LF	LB	LB1	BD	BD1	OAL	Tasarım	RFID deliği	Balans ayarı	Ağırlık
				mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç				
C3-390.410-63075C	75039871	HSK-A63	C3	75,0 2.953	49,0 1.929	-	32,0 1.260	-	107,0 4.213	1	0	PB	0,9 1.980
C4-390.410-63080C	02425047	HSK-A63	C4	80,0 3.150	54,0 2.126	-	40,0 1.575	-	112,0 4.409	1	0	PB	1,06 2.340
C5-390.410-63090C	75039878	HSK-A63	C5	90,0 3.543	64,0 2.520	-	50,0 1.969	-	122,0 4.803	1	0	PB	1,41 3.110
C3-390.410-100080A	75039873	HSK-A100	C3	80,0 3.150	51,0 2.008	-	32,0 1.260	-	130,0 5.118	1	0	-	2,3 5.070
C4-390.410-100090A	75039877	HSK-A100	C4	90,0 3.543	61,0 2.402	-	40,0 1.575	-	140,0 5.512	1	0	-	2,5 5.510
C5-390.410-100100A	75039880	HSK-A100	C5	100,0 3.937	71,0 2.795	-	50,0 1.969	-	150,0 5.906	1	0	-	2,9 6.390
C6-390.410-100110A	75039882	HSK-A100	C6	110,0 4.331	81,0 3.189	-	63,0 2.480	-	160,0 6.299	1	0	-	3,56 7.850
C8-390.410-100120A	75039883	HSK-A100	C8	120,0 4.724	91,0 3.583	-	80,0 3.150	-	170,0 6.693	1	0	-	4,72 10.410
HSKA125-C6-120	03229625	HSK-A125	C6	120,0 4.724	91,0 3.583	-	63,0 2.480	-	183,0 7.205	1	1	PB	5,3 11.680
HSKA125-C6-120-V	03229626	HSK-A125	C6	120,0 4.724	91,0 3.583	30,0 1.181	63,0 2.480	108,0 4.252	183,0 7.205	2	1	PB	6,4 14.110
HSKA125-C8-130	03229627	HSK-A125	C8	130,0 5.118	101,0 3.976	-	80,0 3.150	-	193,0 7.598	1	1	PB	6,5 14.330
HSKA125-C8-130-V	03229628	HSK-A125	C8	130,0 5.118	101,0 3.976	30,0 1.181	80,0 3.150	105,0 4.134	193,0 7.598	2	1	PB	7,8 17.200

Giriş

Delme

Raybalama

Baralama

Ek

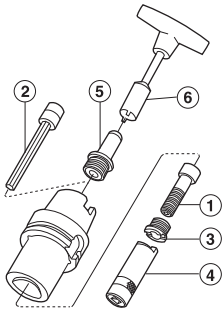
Aksesuarlar

Şu ebat için	Uzatma anahtarı	Anahtar	Anahtar
C3-390.410-63075C	5680015-05	5680094-04	5680065-13
C4-390.410-63080C	5680015-05	5680094-04	5680065-10
C5-390.410-63090C	5680015-01	5680094-04	5680065-11
C3-390.410-100080A	5680015-05	5680094-06	5680065-13
C4-390.410-100090A	5680015-05	5680094-06	5680065-10
C5-390.410-100100A	5680015-01	5680094-06	5680065-11
C6-390.410-100110A	5680015-02	5680094-06	5680065-12
C8-390.410-100120A	5680015-02	5680094-06	5680065-12
HSKA125-C6-120	5680015-02	5680094-07	5680065-12
HSKA125-C6-120-V	5680015-02	5680094-07	5680065-12
HSKA125-C8-130	5680015-02	5680094-07	5680065-12
HSKA125-C8-130-V	5680015-02	5680094-07	5680065-12

Yedek parçalar

Şu ebat için	Merkezi vida	Soğutma sıvısı tüpü	Sabitleme somunu
C3-390.410-63075C	5512063-10	5692020-04	5512091-04
C4-390.410-63080C	5512063-07	5692020-04	5512091-03
C5-390.410-63090C	5512063-08	5692020-04	5512091-01
C3-390.410-100080A	5512063-10	5692020-06	5512091-04
C4-390.410-100090A	5512063-07	5692020-06	5512091-03
C5-390.410-100100A	5512063-08	5692020-06	5512091-01
C6-390.410-100110A	5512063-09	5692020-06	5512091-02
C8-390.410-100120A	5512063-09	5692020-06	5512091-02
HSKA125-C6-120	5512063-09	5692020-07	5512091-02
HSKA125-C6-120-V	5512063-09	5692020-07	5512091-02
HSKA125-C8-130	5512063-09	5692020-07	5512091-02
HSKA125-C8-130-V	5512063-09	5692020-07	5512091-02

Aksesuarlar / Yedek parçalar



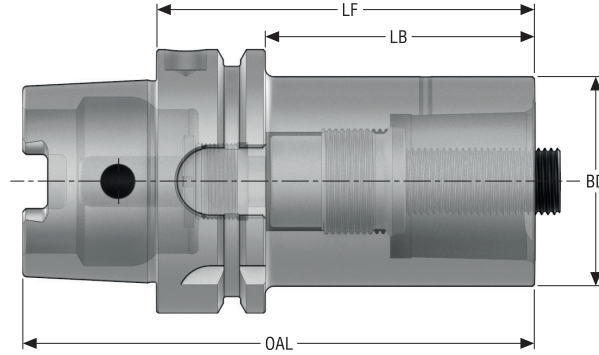
Aksesuarlar:
2 = Uzatma anahtarı
4 = Anahtar
6 = Soğutma sıvısı borusu için anahtar

Yedek parçalar:
1 = Merkezi vida
3 = Sabitleme somunu
5 = Soğutma sıvısı tüpü*

*Tüm HSK-A - Seco-Capto™ tutucular ile birlikte özel bir soğutma sıvısı borusu temin edilir

C 411 – HSK-T bağlantılı Seco-Capto™ tutucular – ISO 26623-2

HSK-T/ ISO12164-3-HSK-T



Ürün Tanımı	Ürün numarası	CTMS	CTWS	LF	LB	BD	OAL	RFID deliği	Balans ayarı	Ağırlık
				mm Inç	mm Inç	mm Inç	mm Inç			kg lb
C4-390.411-63080	02786511	HSK-T63	C4	80,0 3.150	54,0 2.126	40,0 1.575	112,0 4.409	1	-	1,0 2.200
C5-390.411-63090	02786520	HSK-T63	C5	90,0 3.543	64,0 2.520	50,0 1.969	122,0 4.803	1	-	1,3 2.870
C4-390.411-100090	02786519	HSK-T100	C4	90,0 3.543	61,0 2.402	40,0 1.575	140,0 5.512	1	-	2,4 5.290
C5-390.411-100100	02786521	HSK-T100	C5	100,0 3.937	71,0 2.795	50,0 1.969	150,0 5.906	1	-	2,7 5.950
C6-390.411-100110	02786522	HSK-T100	C6	110,0 4.331	81,0 3.189	63,0 2.480	160,0 6.299	1	-	3,3 7.280
C8-390.411-100120	02786523	HSK-T100	C8	120,0 4.724	91,0 3.583	80,0 3.150	170,0 6.693	1	-	4,5 9.920

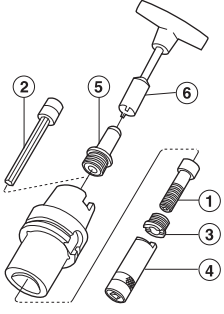
Aksesuarlar

Şu ebat için	Uzatma anahtarı	Anahtar	Anahtar
C4-390.411-63080	5680015-05	5680094-04	5680065-10
C5-390.411-63090	5680015-01	5680094-04	5680065-11
C4-390.411-100090	5680015-05	5680094-06	5680065-10
C5-390.411-100100	5680015-01	5680094-06	5680065-11
C6-390.411-100110	5680015-02	5680094-06	5680065-12
C8-390.411-100120	5680015-02	5680094-06	5680065-12

Yedek parçalar

Şu ebat için	Merkezi vida	Soğutma sıvısı tüpü	Sabitleme somunu
C4-390.411-63080	5512063-07	5692020-04	5512091-03
C5-390.411-63090	5512063-08	5692020-04	5512091-01
C4-390.411-100090	5512063-07	20E9306	5512091-03
C5-390.411-100100	5512063-08	20E9306	5512091-01
C6-390.411-100110	5512063-09	5692020-06	5512091-02
C8-390.411-100120	5512063-09	5692020-06	5512091-02

Aksesuarlar / Yedek parçalar



Aksesuarlar:

- 2 = Uzatma anahtarı
- 4 = Anahtar
- 6 = Soğutma sıvısı borusu için anahtar

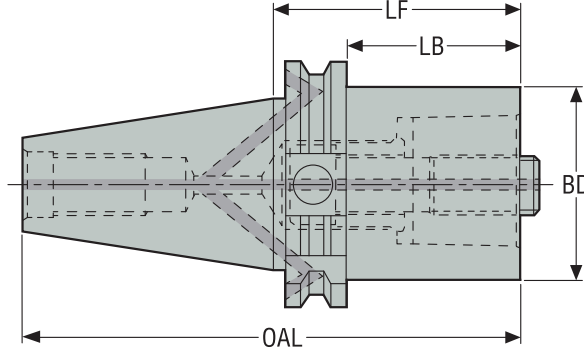
Yedek parçalar:

- 1 = Merkezi vida
- 3 = Sabitleme somunu
- 5 = Soğutma sıvısı tüpü*

*Tüm HSK-A - Seco-Capto™ tutucular ile birlikte özel bir soğutma sıvısı borusu temin edilir

C 140 – DIN bağlantılı Seco-Capto™ tutucular – ISO 26623-2

DIN 69871-ADB



Ürün Tanımı	Ürün numarası	CTMS	CTWS	LF	LB	BD	OAL	RFID deliği	Balans ayarı	Ağırlık
				mm Inç	mm Inç	mm Inç	mm Inç			
C3-390B.140-40030	02924104	DIN40 ADB	C3	30,0 1.181	10,9 0.429	32,0 1.260	98,4 3.874	0	PB	0,8 1.760
C3-390B.140-40060	02924105	DIN40 ADB	C3	60,0 2.362	40,9 1.610	32,0 1.260	128,4 5.055	0	PB	0,9 1.980
C4-390B.140-40030	02924108	DIN40 ADB	C4	30,0 1.181	10,9 0.429	40,0 1.575	98,4 3.874	0	PB	0,8 1.760
C4-390B.140-40060	02924109	DIN40 ADB	C4	60,0 2.362	40,9 1.610	40,0 1.575	128,4 5.055	0	PB	1,1 2.430
C5-390B.140-40040	02924112	DIN40 ADB	C5	40,0 1.575	20,9 0.823	50,0 1.969	108,4 4.268	0	PB	0,9 1.980
C5-390B.140-40080	02924113	DIN40 ADB	C5	80,0 3.150	60,9 2.398	50,0 1.969	148,4 5.843	0	PB	1,5 3.310
C6-390B.140-40085	02924116	DIN40 ADB	C6	85,0 3.346	65,9 2.594	63,0 2.480	153,4 6.039	0	PB	1,8 3.970
C3-390B.140-50030	02924106	DIN50 ADB	C3	30,0 1.181	10,9 0.429	32,0 1.260	131,7 5.185	0	PB	2,6 5.730
C3-390B.140-50060	02924107	DIN50 ADB	C3	60,0 2.362	40,9 1.610	32,0 1.260	161,7 6.366	0	PB	2,7 5.950
C4-390B.140-50030	02924110	DIN50 ADB	C4	30,0 1.181	10,9 0.429	40,0 1.575	131,7 5.185	0	PB	2,6 5.730
C4-390B.140-50060	02924111	DIN50 ADB	C4	60,0 2.362	40,9 1.610	40,0 1.575	161,7 6.366	0	PB	2,8 6.170
C5-390B.140-50030	02924114	DIN50 ADB	C5	30,0 1.181	10,9 0.429	50,0 1.969	131,7 5.185	0	PB	2,6 5.730
C5-390B.140-50070	02924115	DIN50 ADB	C5	70,0 2.756	50,9 2.004	50,0 1.969	171,7 6.760	0	PB	3,1 6.830
C6-390B.140-50030	02924117	DIN50 ADB	C6	30,0 1.181	10,9 0.429	63,0 2.480	131,7 5.185	0	PB	2,5 5.510
C6-390B.140-50080	02924118	DIN50 ADB	C6	80,0 3.150	60,9 2.398	63,0 2.480	181,7 7.154	0	PB	3,6 7.940
C8-390B.140-50070	02924119	DIN50 ADB	C8	70,0 2.756	50,9 2.004	80,0 3.150	171,7 6.760	0	PB	3,7 8.160
C8-390B.140-50120	02924120	DIN50 ADB	C8	120,0 4.724	100,9 3.972	80,0 3.150	221,7 8.728	0	PB	5,6 12.350

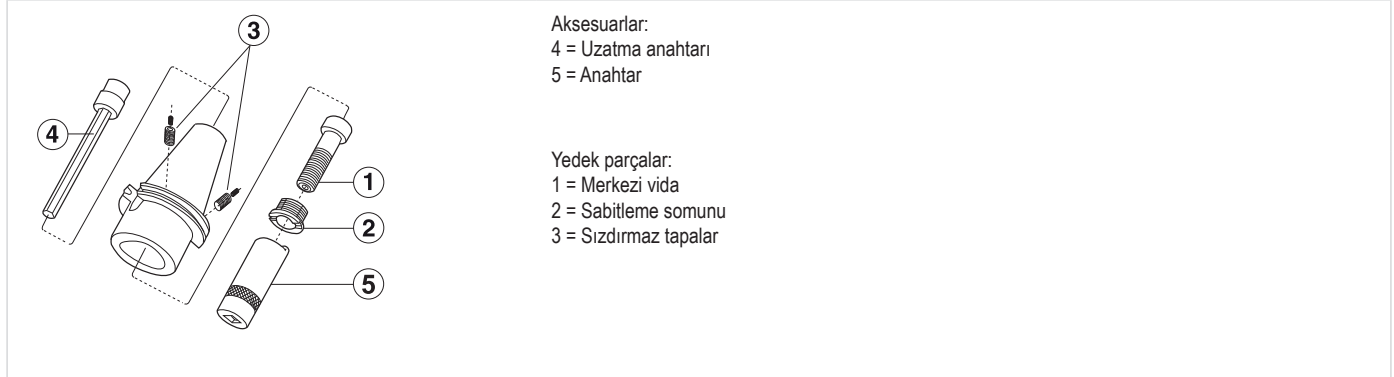
Aksesuarlar

Şu ebat için	Uzatma anahtarı	Anahtar
C3-400	5680015-05	5680065-13
C4-400	5680015-05	5680065-10
C5-400	5680015-01	5680065-11
C6-400	5680015-01	5680065-12
C3-500	5680015-05	5680065-13
C4-500	5680015-05	5680065-10
C5-500	5680015-01	5680065-11
C6-500	5680015-02	5680065-12
C8	5680015-02	5680065-12

Yedek parçalar

Şu ebat için	Merkezi vida	Tapa	Sabitleme somunu
C3-400	5512063-10	564301701	5512091-04
C4-400	5512063-07	564301701	5512091-03
C5-400	5512063-08	564301701	5512091-01
C6-400	5512063-13	564301701	5512091-02
C3-500	5512063-10	564301702	5512091-04
C4-500	5512063-07	564301702	5512091-03
C5-500	5512063-08	564301702	5512091-01
C6-500	5512063-09	564301702	5512091-02
C8	5512063-09	564301702	5512091-02

Aksesuarlar / Yedek parçalar

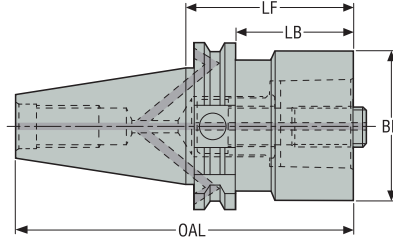


C 5191 – Seco-Capto™ temel tutucular – ISO 26623-2

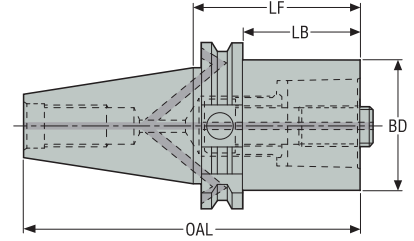
DIN Konik ve Flanş temaslı-ADB



Typ 1



Typ 2



Ürün Tanımı	Ürün numarası	CTMS	CTWS	LF	LB	BD	OAL	Tasarım	RFID deliği	Balans ayarı	Ağırlık
				mm İnç	mm İnç	mm İnç	mm İnç				kg lb
E316951915050	03030258	DIN40 TF ADB	C5	50,0 1.969	30,9 1.217	50,0 1.969	118,4 4.661	2	0	PB	1,1 2.430
E316951916385	03030259	DIN40 TF ADB	C6	85,0 3.346	65,9 2.594	63,0 2.480	153,4 6.039	1	0	PB	1,9 4.190
E317151914030	03030260	DIN50 TF ADB	C4	30,0 1.181	10,9 0.429	40,0 1.575	131,7 5.185	2	0	-	2,7 5.950
E317151915030	03030261	DIN50 TF ADB	C5	30,0 1.181	10,9 0.429	50,0 1.969	131,7 5.185	2	0	-	2,8 6.170
E317151915070	03030264	DIN50 TF ADB	C5	70,0 2.756	50,9 2.004	50,0 1.969	171,7 6.760	2	0	-	3,15 6.940
E317151916350	03030262	DIN50 TF ADB	C6	50,0 1.969	30,9 1.217	63,0 2.480	151,7 5.972	2	0	-	2,4 5.290
E3171519163100	03030265	DIN50 TF ADB	C6	100,0 3.937	80,9 3.185	63,0 2.480	201,7 7.941	2	0	-	4,08 8.990
E317151918070	03030263	DIN50 TF ADB	C8	70,0 2.756	50,9 2.004	80,0 3.150	171,7 6.760	2	0	-	3,9 8.600
E3171519180120	03030266	DIN50 TF ADB	C8	120,0 4.724	100,9 3.972	80,0 3.150	221,7 8.728	2	0	-	5,62 12.390

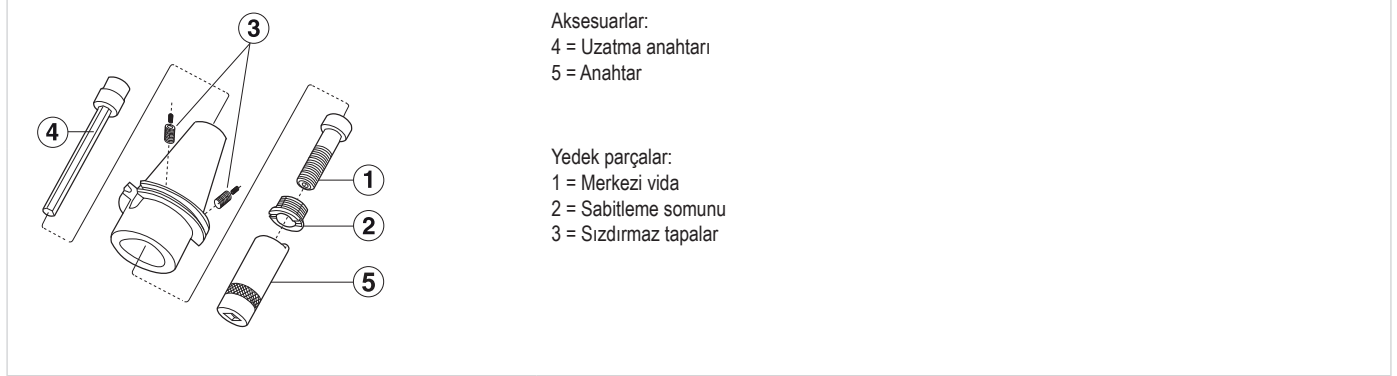
Aksesuarlar

Şu ebat için	Uzatma anahtarı	Anahtar
DIN40 TF/ C5	5680015-01	5680065-11
DIN40 TF/ C6	5680015-01	5680065-12
DIN50 TF/ C4	5680015-05	5680065-10
DIN50 TF/ C5	5680015-01	5680065-11
DIN50 TF/ C6-C8	5680015-02	5680065-12

Yedek parçalar

Şu ebat için	Merkezi vida	Tapa	Sabitleme somunu
DIN40 TF/ C5	5512063-08	564301701	5512091-01
DIN40 TF/ C6	5512063-13	564301701	5512091-02
DIN50 TF/ C4	5512063-07	564301702	5512091-03
DIN50 TF/ C5	5512063-08	564301702	5512091-01
DIN50 TF/ C6-C8	5512063-09	564301702	5512091-02

Aksesuarlar / Yedek parçalar

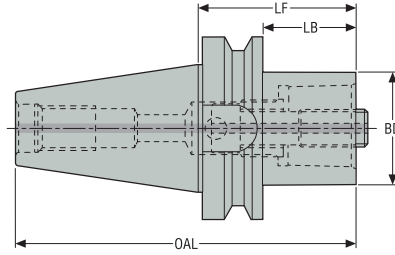


C 55/58 – BT bağlantılı Seco-Capto™ tutucular – ISO 26623-2

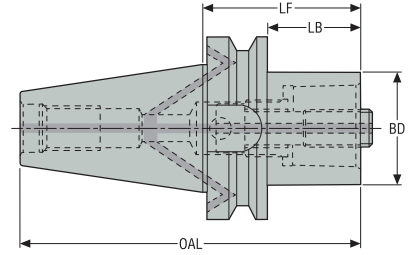
BT



Typ 1



Typ 2



Ürün Tanımı	Ürün numarası	CTMS	CTWS	LF	LB	BD	OAL	Tasarım	RFID deliği	Balans ayarı	Ağırlık
				mm Inç	mm Inç	mm Inç	mm Inç				kg lb
C3-390.55-30030	75039807	BT30 AD	C3	30,0 1.181	8,0 0.315	32,0 1.260	78,4 3.087	1	0	PB	0,53 1.170
C3-390.55-30060	75039808	BT30 AD	C3	60,0 2.362	38,0 1.496	32,0 1.260	108,4 4.268	1	0	PB	0,73 1.610
C3-390B.55-40030	02925959	BT40 ADB	C3	30,0 1.181	3,0 0.118	32,0 1.260	95,4 3.756	2	0	PB	0,9 1.980
C3-390B.55-40060	02925960	BT40 ADB	C3	60,0 2.362	33,0 1.299	32,0 1.260	125,4 4.937	2	0	PB	1,1 2.430
C4-390B.55-40030	02925963	BT40 ADB	C4	30,0 1.181	3,0 0.118	40,0 1.575	95,4 3.756	2	0	PB	0,9 1.980
C4-390B.55-40060	02925964	BT40 ADB	C4	60,0 2.362	33,0 1.299	40,0 1.575	125,4 4.937	2	0	PB	1,2 2.650
C5-390B.55-40050	02925967	BT40 ADB	C5	50,0 1.969	23,0 0.906	50,0 1.969	115,4 4.543	2	0	PB	1,1 2.430
C5-390B.55-40090	02925968	BT40 ADB	C5	90,0 3.543	63,0 2.480	50,0 1.969	155,4 6.118	2	0	PB	1,7 3.750
C6-390B.55-40075	02925971	BT40 ADB	C6	75,0 2.953	54,6 2.150	63,0 2.480	140,4 5.528	2	0	PB	1,7 3.750
C3-390B.58-50040	02925961	BT50 ADB	C3	40,0 1.575	2,0 0.079	32,0 1.260	141,8 5.583	2	0	PB	3,5 7.720
C3-390B.58-50070	02925962	BT50 ADB	C3	70,0 2.756	32,0 1.260	32,0 1.260	171,8 6.764	2	0	PB	3,7 8.160
C4-390B.58-50040	02925965	BT50 ADB	C4	40,0 1.575	2,0 0.079	40,0 1.575	141,8 5.583	2	0	PB	3,5 7.720
C4-390B.58-50070	02925966	BT50 ADB	C4	70,0 2.756	32,0 1.260	40,0 1.575	171,8 6.764	2	0	PB	3,8 8.380
C5-390B.58-50040	02925969	BT50 ADB	C5	40,0 1.575	2,0 0.079	50,0 1.969	141,8 5.583	2	0	PB	3,4 7.500
C5-390B.58-50080	02925970	BT50 ADB	C5	80,0 3.150	42,0 1.654	50,0 1.969	181,8 7.157	2	0	PB	4,0 8.820
C6-390B.58-50050	02925972	BT50 ADB	C6	50,0 1.969	12,0 0.472	63,0 2.480	151,8 5.976	2	0	PB	3,5 7.720
C6-390B.58-50100	02925973	BT50 ADB	C6	100,0 3.937	62,0 2.441	63,0 2.480	201,8 7.945	2	0	PB	4,6 10.140
C8-390B.58-50070	02925974	BT50 ADB	C8	70,0 2.756	32,0 1.260	80,0 3.150	171,8 6.764	2	0	PB	4,0 8.820
C8-390B.58-50120	02925975	BT50 ADB	C8	120,0 4.724	82,0 3.228	80,0 3.150	221,8 8.732	2	0	PB	5,9 13.010

Giriş

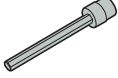
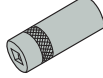
Delme

Raybalama

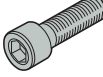


Baralama

Ek

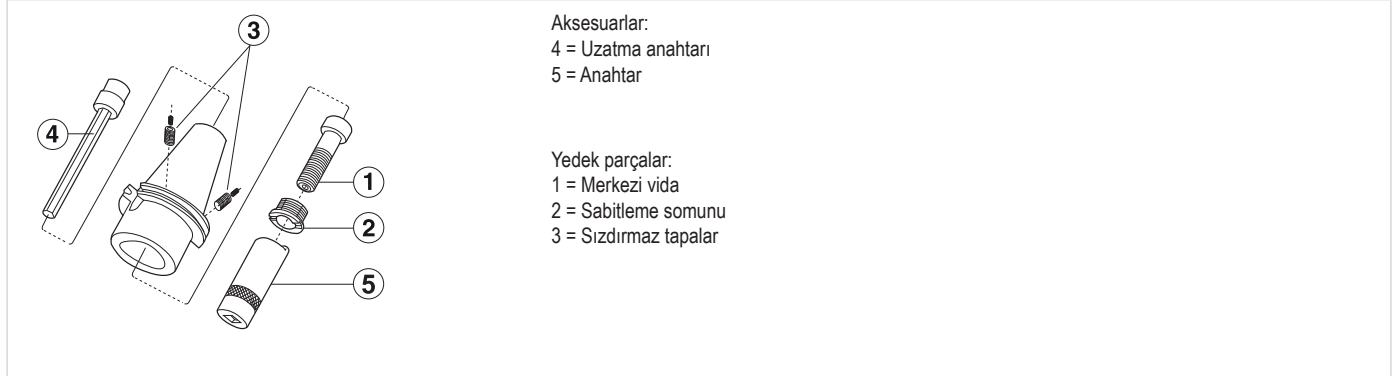
Aksesuarlar

Şu ebat için	Uzatma anahtarı	Anahtar
		
C3-390.55	5680015-05	5680065-13
C3-390B.55	5680015-05	5680065-13
C4-390B.55	5680015-05	5680065-10
C5-390B.55	5680015-01	5680065-11
C6-390B.55	5680015-01	5680065-12
C3-390B.58	5680015-05	5680065-13
C4-390B.58	5680015-05	5680065-10
C5-390B.58	5680015-01	5680065-11
C6-390B.58	5680015-02	5680065-12
C8	5680015-02	5680065-12

Yedek parçalar

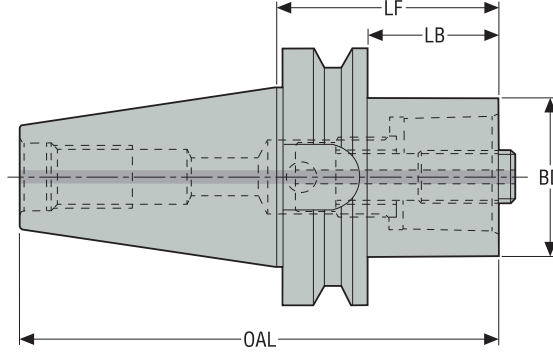
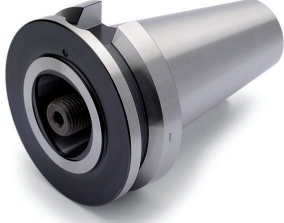
Şu ebat için	Merkezi vida	Tapa	Sabitleme somunu
			
C3-390.55	5512063-10	-	5512091-04
C3-390B.55	5512063-10	564301701	5512091-04
C4-390B.55	5512063-07	564301701	5512091-03
C5-390B.55	5512063-08	564301701	5512091-01
C6-390B.55	5512063-13	564301701	5512091-02
C3-390B.58	5512063-10	564301702	5512091-04
C4-390B.58	5512063-07	564301702	5512091-03
C5-390B.58	5512063-08	564301702	5512091-01
C6-390B.58	5512063-09	564301702	5512091-02
C8	5512063-09	564301702	5512091-02

Aksesuarlar / Yedek parçalar



C 605 – BT Mazak bağlantılı Seco-Capto™ tutucular – ISO 26623-2

BT Mazak



- Mazak tasarım anlamı, klasik temel BT tutucuya nazaran 90° döndürülmüş Seco-Capto™ poligon
- Mazak e-machines için

Ürün Tanımı	Ürün numarası	CTMS	CTWS	LF	LB	BD	OAL	RFID deliği	Balans ayarı	Ağırlık
				mm Inç	mm Inç	mm Inç	mm Inç			kg lb
C5-390.605-40030	02606358	BT40 AD Mazak	C5	30,0 1.181	3,0 0.118	50,0 1.969	95,4 3.756	0	-	1,1 2.430
C6-390.605-50040	02606354	BT50 AD Mazak	C6	40,0 1.575	2,0 0.079	63,0 2.480	141,8 5.583	0	-	3,3 7.280
C8-390.605-50070	02646032	BT50 AD Mazak	C8	70,0 2.756	70,0 2.756	80,0 3.150	171,8 6.764	0	-	4,1 9.040

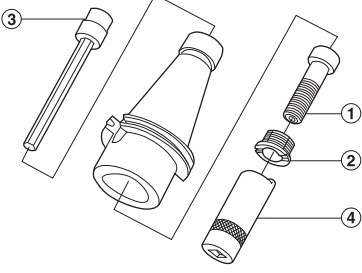
Aksesuarlar

Şu ebat için	Uzatma anahtarı	Anahtar
C5	5680015-01	5680065-11
C6	5680015-02	5680065-12
C8	5680015-02	5680065-12

Yedek parçalar

Şu ebat için	Merkezi vida	Sabitleme somunu
C5	5512063-08	5512091-01
C6	5512063-09	5512091-02
C8	5512063-09	5512091-02

Aksesuarlar / Yedek parçalar

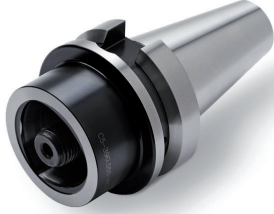


Aksesuarlar:
3 = Uzatma anahtarı
4 = Anahtar

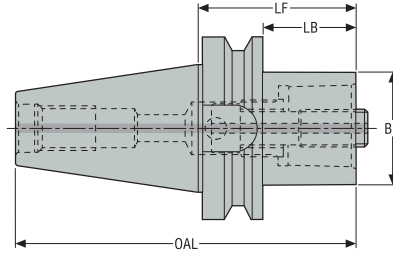
Yedek parçalar:
1 = Merkezi vida
2 = Sabitleme somunu

C 5191 – Seco-Capto™ temel tutucular – ISO 26623-2

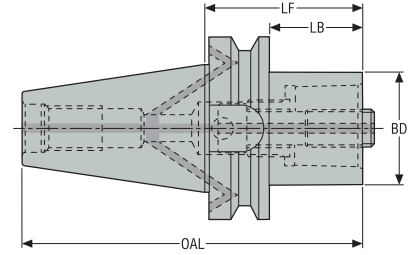
BT Konik ve Flanş temaslı-AD/ADB



Typ 1



Typ 2

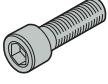




Ürün Tanımı	Ürün numarası	CTMS	CTWS	LF	LB	BD	OAL	Tasarım	RFID deliği	Balans ayarı	Ağırlık
				mm İnç	mm İnç	mm İnç	mm İnç				
E400251913240	03030234	BT30 TF AD	C3	40,0 1.575	22,0 0.866	32,0 1.260	88,4 3.480	1	0	PB	0,454 1.000
E400251914060	03030235	BT30 TF AD	C4	60,0 2.362	22,0 0.866	40,0 1.575	108,4 4.268	1	0	PB	0,651 1.440
E311451914040	03030236	BT40 TF ADB	C4	40,0 1.575	13,0 0.512	40,0 1.575	105,4 4.150	2	0	PB	1,1 2.430
E311451915050	03030237	BT40 TF ADB	C5	50,0 1.969	23,0 0.906	50,0 1.969	115,4 4.543	2	0	PB	1,2 2.650
E311451916375	03030238	BT40 TF ADB	C6	75,0 2.953	48,0 1.890	63,0 2.480	140,4 5.528	2	0	PB	1,7 3.750
E311651914040	03030239	BT50 TF ADB	C4	40,0 1.575	2,0 0.079	50,0 1.969	141,8 5.583	2	0	PB	3,6 7.940
E311651915040	03030240	BT50 TF ADB	C5	40,0 1.575	2,0 0.079	50,0 1.969	141,8 5.583	2	0	PB	3,5 7.720
E311651916350	03030241	BT50 TF ADB	C6	50,0 1.969	12,0 0.472	63,0 2.480	151,8 5.976	2	0	PB	3,6 7.940
E3116519163100	03030242	BT50 TF ADB	C6	100,0 3.937	62,0 2.441	63,0 2.480	201,8 7.945	2	0	PB	4,63 10.210
E311651918070	03030243	BT50 TF ADB	C8	70,0 2.756	32,0 1.260	80,0 3.150	171,8 6.764	2	0	PB	4,2 9.260
E3116519180120	03030244	BT50 TF ADB	C8	120,0 4.724	82,0 3.228	80,0 3.150	121,8 4.795	2	0	PB	5,91 13.030

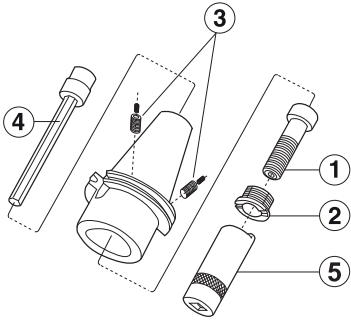
Aksesuarlar

Şu ebat/konik için	Uzatma anahtarı	Anahtar
BT30 TF/ C3	5680015-05	5680065-13
BT30 TF/ C4	5680015-05	5680065-10
BT40 TF/ C4	5680015-05	5680065-10
BT40 TF/ C5	5680015-01	5680065-11
BT40 TF/ C6	5680015-01	5680065-12
BT50 TF/ C4	5680015-05	5680065-10
BT50 TF/ C5	5680015-01	5680065-11
BT50 TF/ C6-C8	5680015-02	5680065-12

Yedek parçalar

Şu ebat/konik için	Merkezi vida	Tapa	Sabitleme somunu
			
BT30 TF/ C3	5512063-10	-	5512091-04
BT30 TF/ C4	5512063-07	-	5512091-03
BT40 TF/ C4	5512063-07	564301701	5512091-03
BT40 TF/ C5	5512063-08	564301701	5512091-01
BT40 TF/ C6	5512063-13	564301701	5512091-02
BT50 TF/ C4	5512063-07	564301702	5512091-03
BT50 TF/ C5	5512063-08	564301702	5512091-01
BT50 TF/ C6-C8	5512063-09	564301702	5512091-02

Aksesuarlar / Yedek parçalar



Aksesuarlar:

- 4 = Uzatma anahtarı
5 = Anahtar

Yedek parçalar:

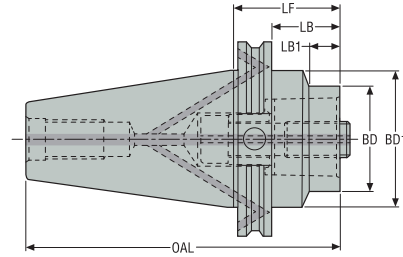
- 1 = Merkezi vida
2 = Sabitleme somunu
3 = Sızdırmaz tapalar

C 5191 – Seco-Capto™ temel tutucular

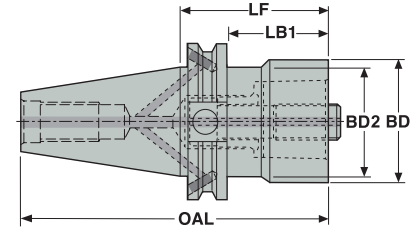
CAT TF / ASME B5.50-1994-ADB



Typ 1



Typ 2



Ürün Tanımı	Ürün numarası	CTMS	CTWS	LF	LB	LB1	BD	BD1	OAL	Tasarım	RFID deliği	Balans ayarı	Ağırlık
				<i>Inç</i>	<i>Inç</i>	<i>Inç</i>	<i>Inç</i>	<i>Inç</i>	<i>Inç</i>				lb
E234251914040	03030246	CAT40 TF ADB	C4	1.575	0.140	0.140	1.575	1.750	4.270	1	0	PB	2.200
E234251915050	03030247	CAT40 TF ADB	C5	1.969	1.220	1.220	1.969	1.750	4.660	2	0	PB	2.250
E234451914040	03030249	CAT50 TF ADB	C4	1.575	0.090	0.090	1.575	2.750	5.580	1	0	–	6.830
E234451915040	03030250	CAT50 TF ADB	C5	1.575	0.090	0.090	1.969	2.750	5.580	1	0	–	6.390
E234451916340	03030251	CAT50 TF ADB	C6	1.575	0.120	0.120	2.480	2.750	5.580	1	0	–	6.390
E234451916390	03030252	CAT50 TF ADB	C6	3.543	2.085	2.085	2.480	2.750	7.543	1	0	–	8.660
E2344519180100	03030253	CAT50 TF ADB	C8	3.937	3.185	3.185	3.150	2.750	7.937	2	0	–	9.040
E2344519180150	03030254	CAT50 TF ADB	C8	5.906	5.154	5.154	3.150	2.750	9.906	2	0	–	14.350

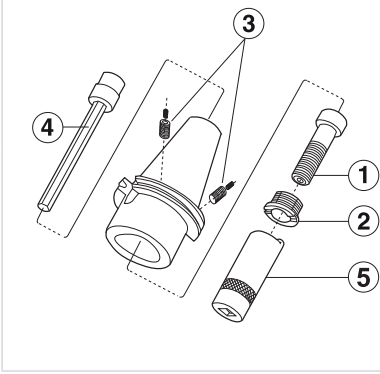
Aksesuarlar

Şu ebat için	Uzatma anahtarı	Anahtar
CAT40/ C4	5680015-05	5680065-10
CAT40/ C5	5680015-01	5680065-11
CAT50/ C4	5680015-05	5680065-10
CAT50/ C5	5680015-01	5680065-11
CAT50/ C6	5680015-02	5680065-12
CAT50/ C8	5680015-02	5680065-12

Yedek parçalar

Şu ebat için	Merkezi vida	Tapa	Sabitleme somunu
CAT40/ C4	5512063-07	564301701	5512091-03
CAT40/ C5	5512063-08	564301701	5512091-01
CAT50/ C4	5512063-07	564301702	5512091-03
CAT50/ C5	5512063-08	564301702	5512091-01
CAT50/ C6	5512063-09	564301702	5512091-02
CAT50/ C8	5512063-09	564301702	5512091-02

Aksesuarlar / Yedek parçalar



Aksesuarlar:
4 = Uzatma anahtarı
5 = Anahtar

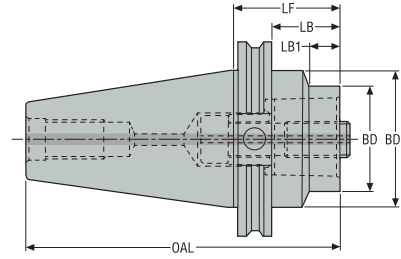
Yedek parçalar:
1 = Merkezi vida
2 = Sabitleme somunu
3 = Sızdırmaz tapalar

C 5191 – Seco-Capto™ temel tutucular

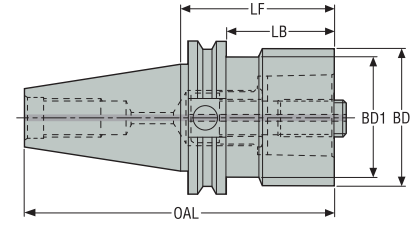
CAT TF Mazak™ e-tezgah ve Mori Seiki NT™ Serisi



Typ 1



Typ 2



- 90° rotated polygon for precision tool tip control

Ürün Tanımı	Ürün numarası	CTMS	CTWS	LF	LB	LB1	BD	BD1	OAL	Tasarım	RFID deliği	Balans ayarı	Ağırlık
				İnç	İnç	İnç	İnç	İnç	İnç				lb
E947451916350	03030255	CAT50 TF AD Mazak	C6	1.969	0.510	0.510	2.480	2.750	5.960	1	0	-	6.830
E947451918070	03030256	CAT50 TF AD Mazak	C8	2.756	2.000	2.000	3.150	2.750	6.756	2	0	-	7.890
E945451918070	03030257	CAT50 TF AD Mazak	C8	2.756	2.000	2.000	3.150	3.543	6.756	1	0	-	9.040

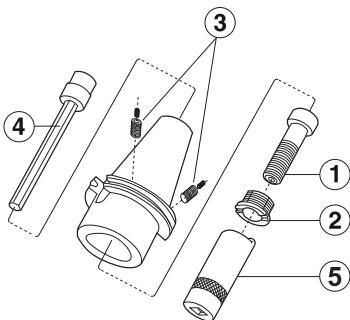
Aksesuarlar

Şu ebat için	Uzatma anahtarı	Anahtar
E947451916350	5680015-02	5680065-12
E947451918070	5680015-02	5680065-12
E945451918070	5680015-02	5680065-12

Yedek parçalar

Şu ebat için	Merkezi vida	Sabitlenme somunu
E945451918070	5512067-04	5512091-02
E947451916350	5512063-09	5512091-02
E947451918070	5512063-09	5512091-02

Aksesuarlar / Yedek parçalar

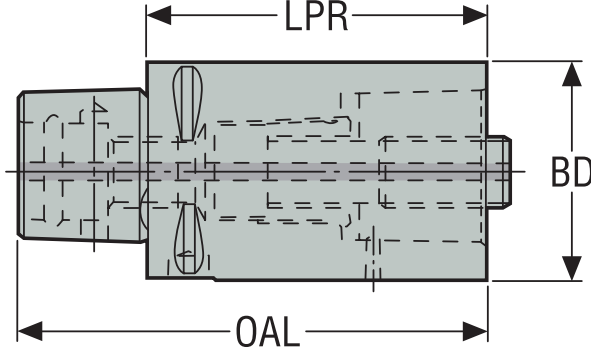


Aksesuarlar:
4 = Uzatma anahtarı
5 = Anahtar

Yedek parçalar:
1 = Merkezi vida
2 = Sabitleme somunu
3 = Sızdırmaz tapalar

C 01 – Seco-Capto™ uzatmalar

ISO 26623-1



Ürün Tanımı	Ürün numarası	CTMS	CTWS	LPR	BD	OAL	RFID deliği	Balans ayarı	Ağırlık
				mm İnç	mm İnç	mm İnç			kg lb
C3-391.01-32060A	75039884	C3	C3	60,0 2.362	32,0 1.260	79,0 3.110	0	-	0,34 0.750
C3-391.01-32080A	00090847	C3	C3	80,0 3.150	32,0 1.260	99,0 3.898	0	-	0,45 0.990
C4-391.01-40060A	75039885	C4	C4	60,0 2.362	40,0 1.575	84,0 3.307	0	-	0,54 1.190
C4-391.01-40080A	02207391	C4	C4	80,0 3.150	40,0 1.575	104,0 4.094	0	-	0,71 1.570
C5-391.01-50080A	75039886	C5	C5	80,0 3.150	50,0 1.969	110,0 4.331	0	-	1,12 2.470
C5-391.01-50100A	00004773	C5	C5	100,0 3.937	50,0 1.969	130,0 5.118	0	-	1,39 3.060
C6-391.01-63100A	75039887	C6	C6	100,0 3.937	63,0 2.480	138,0 5.433	0	-	2,2 4.850
C6-391.01-63140A	00004840	C6	C6	140,0 5.512	63,0 2.480	178,0 7.008	0	-	3,1 6.830
C8-391.01-80100A	75039888	C8	C8	100,0 3.937	80,0 3.150	148,0 5.827	0	-	3,62 7.980
C8-391.01-80125A	00004841	C8	C8	125,0 4.921	80,0 3.150	173,0 6.811	0	-	4,54 10.010

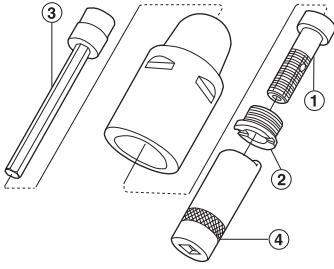
Aksesuarlar

Şu ebat için	Uzatma anahtarı	Anahtar
C3	5680015-05	5680065-13
C4	5680015-05	5680065-10
C5	5680015-01	5680065-11
C6	5680015-02	5680065-12
C8	5680015-02	5680065-12

Yedek parçalar

Şu ebat için	Merkezi vida	Sabitleme somunu
C3	5512067-01	5512091-04
C4	5512067-02	5512091-03
C5	5512067-03	5512091-01
C6	5512067-04	5512091-02
C8	5512067-04	5512091-02

Aksesuarlar / Yedek parçalar



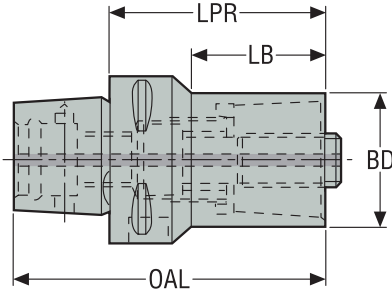
Aksesuarlar:
3 = Uzatma anahtarı
4 = Sabitleme somunu için anahtar

Yedek parçalar:
1 = Merkezi vida
2 = Sabitleme somunu

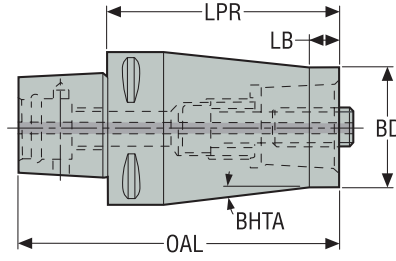
C 02 – Seco-Capto™ Çap düşürücüler

ISO 26623-1

Typ 1

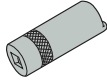


Typ 2



Ürün Tanımı	Ürün numarası	CTMS	CTWS	LPR	LB	BD	OAL	Tasarım	BHTA°	RFID deliği	Balans ayarı	Ağırlık
				mm İnç	mm İnç	mm İnç	mm İnç					
C4-391.02-32055A	75039889	C4	C3	55,0 2.165	31,0 1.220	32,0 1.260	79,0 3.110	1	-	0	-	0,42 0.930
C4-391.02-32070A	02535687	C4	C3	70,0 2.756	12,0 0.472	32,0 1.260	94,0 3.701	2	6,0	0	-	0,56 1.230
C5-391.02-32060A	75039890	C5	C3	60,0 2.362	34,8 1.370	32,0 1.260	90,0 3.543	1	-	0	-	0,64 1.410
C5-391.02-40065A	75039891	C5	C4	65,0 2.559	40,0 1.575	40,0 1.575	95,0 3.740	1	-	0	-	0,77 1.700
C6-391.02-32070A	75039892	C6	C3	70,0 2.756	39,0 1.535	32,0 1.260	108,0 4.252	1	-	0	-	1,06 2.340
C6-391.02-40080A	75039893	C6	C4	80,0 3.150	51,4 2.024	40,0 1.575	118,0 4.646	1	-	0	-	1,24 2.730
C6-391.02-50080A	75039894	C6	C5	80,0 3.150	51,5 2.028	50,0 1.969	118,0 4.646	1	-	0	-	1,45 3.200
C6-391.02-50110A	02207400	C6	C5	110,0 4.331	12,0 0.472	50,0 1.969	148,0 5.827	2	4,5	0	-	2,15 4.740
C8-391.02-32060B	03080008	C8	C3	60,0 2.362	20,7 0.815	32,0 1.260	108,0 4.252	1	-	0	-	2,0 4.410
C8-391.02-40070B	03080009	C8	C4	70,0 2.756	31,4 1.236	40,0 1.575	118,0 4.646	1	-	0	-	2,1 4.630
C8-391.02-50080B	03080011	C8	C5	80,0 3.150	42,8 1.685	50,0 1.969	128,0 5.039	1	-	0	-	2,4 5.290
C8-391.02-63080B	02527212	C8	C6	80,0 3.150	44,5 1.752	63,0 2.480	128,0 5.039	1	-	0	-	2,6 5.730
C8-391.02-63120A	02207176	C8	C6	120,0 4.724	12,0 0.472	63,0 2.480	168,0 6.614	2	6,0	0	-	3,96 8.730

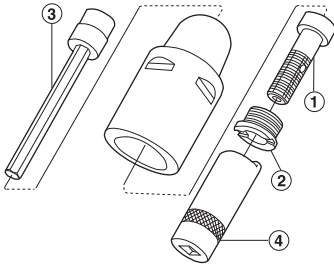
Aksesuarlar

Şu ebat için	Uzatma anahtarı		Anahtar	
	Uzatma anahtarı	Anahtar	Uzatma anahtarı	Anahtar
C...-32		5680015-05		5680065-13
C...-40	5680015-05	5680065-10		
C...-50	5680015-01	5680065-11		
C...-63	5680015-02	5680065-12		

Yedek parçalar

Şu ebat için	Merkezi vida	Sabitleme somunu
C...-32	5512067-01	5512091-04
C...-40	5512067-02	5512091-03
C...-50	5512067-03	5512091-01
C...-63	5512067-04	5512091-02

Aksesuarlar / Yedek parçalar

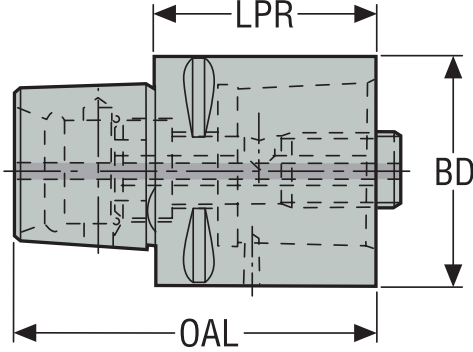


Aksesuarlar:
3 = Uzatma anahtarı
4 = Sabitleme somunu için anahtar

Yedek parçalar:
1 = Merkezi vida
2 = Sabitleme somunu

C 01 – Seco-Capto™ uzatmalar, kısa versiyon, sadece kam mili kitlemesi için

ISO 26623-1



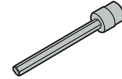
- Arkası Seco-Capto™ olan kısa uzatmalar, sadece kam mili kitlemesi olan fener millerine takılabilir (Merkezi civata bağlantısı olmayan)

Ürün Tanımı	Ürün numarası	CTMS	CTWS	LPR	BD	OAL	RFID deliği	Balans ayarı	Ağırlık
				mm Inç	mm Inç	mm Inç			
C3-391.01-32035	02535685	C3	C3	35,0 1.378	32,0 1.260	54,0 2.126	0	-	0,21 0.460
C4-391.01-40040	02535686	C4	C4	40,0 1.575	40,0 1.575	64,0 2.520	0	-	0,37 0.820
C5-391.01-50050	02484934	C5	C5	50,0 1.969	50,0 1.969	80,0 3.150	0	-	0,7 1.540
C6-391.01-63060	02300834	C6	C6	60,0 2.362	63,0 2.480	98,0 3.858	0	-	1,31 2.890
C8-391.01-80065	02417041	C8	C8	65,0 2.559	80,0 3.150	113,0 4.449	0	-	2,3 5.070

Aksesuarlar

Şu ebat için

Uzatma anahtarı



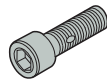
C3-391.01-32035	5680015-05
C4-391.01-40040	5680015-05
C5-391.01-50050	5680015-05
C6-391.01-63060	5680015-02
C8-391.01-80065	5680015-02

Yedek parçalar

Şu ebat için

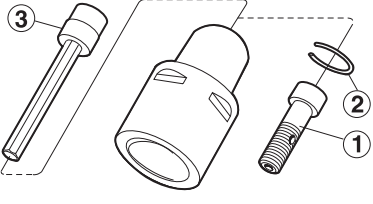
Merkezi vida

Segman



C3-391.01-32035	5512068-01	5545040-02
C4-391.01-40040	5512068-02	5545040-03
C5-391.01-50050	5512068-03	5545040-07
C6-391.01-63060	5512068-04	5545040-08
C8-391.01-80065	5512068-05	5545040-08

Aksesuarlar / Yedek parçalar

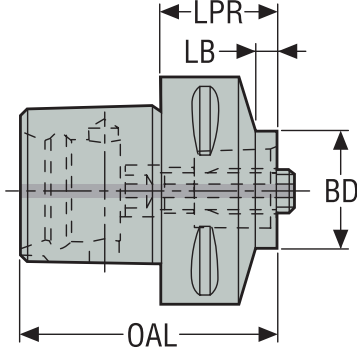


Aksesuarlar:
3 = Uzatma anahtarı

Yedek parçalar:
1 = Merkezi vida
2 = Segman

C 02 – Seco-Capto™ Çap düşürücüler, kam mili kitlemesi için kısa tip

ISO 26623-1



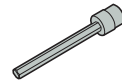
- Arkası Seco-Capto™ olan kısa çap düşürücüler, sadece kam mili kitlemesi olan fener millerine takılabilir (Merkezi civata bağlantısı olmayan)
- * Kodlu ürünün tezgah tarafı Capto formu, parça tarafı Capto formuna göre 180° döndürülür

Ürün Tanımı	Ürün numarası	CTMS	CTWS	LPR	LB	BD	OAL	*	RFID deliği	Balans ayarı	Ağırlık
				mm Inç	mm Inç	mm Inç	mm Inç				kg lb
C5-391.02-32033A	03080025	C5	C3	33,0 1.299	5,0 0.197	32,0 1.260	63,0 2.480		0	PB	0,5 1.100
C5-391.02-40040A	03079983	C5	C4	40,0 1.575	15,0 0.591	40,0 1.575	70,0 2.756		0	-	0,6 1.320
C6-391.02-32032	02535690	C6	C3	32,0 1.260	6,0 0.236	32,0 1.260	70,0 2.756		0	-	0,85 1.870
C6-391.02-40040	02459467	C6	C4	40,0 1.575	11,0 0.433	40,0 1.575	78,0 3.071		0	-	0,93 2.050
C6-391.02-50050A	03080019	C6	C5	50,0 1.969	20,0 0.787	50,0 1.969	88,0 3.465		0	-	1,0 2.200
C8-391.02-50045A	03080010	C8	C5	45,0 1.772	5,0 0.197	50,0 1.969	93,0 3.661		0	-	1,9 4.190
C8-391.02-63055A	03080012	C8	C6	55,0 2.165	15,0 0.591	63,0 2.480	103,0 4.055		0	-	2,1 4.630
C8-391.02R-63055A	03080030	C8	C6	55,0 2.165	15,0 0.591	63,0 2.480	103,0 4.055	*	0	-	1,9 4.190

Aksesuarlar

Şu ebat
için

Uzatma anahtarı

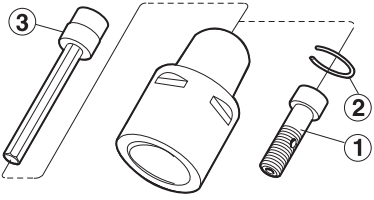


C5-391.02-32033A	5680015-05
C5-391.02-40040A	5680015-05
C6-391.02-32032	5680015-05
C6-391.02-40040	5680015-05
C6-391.02-50050A	5680015-01
C8-391.02-50045A	5680015-01
C8-391.02-63055A	5680015-02
C8-391.02R-63055A	5680015-02

Yedek parçalar

Şu ebat için	Merkezi vida	Segman
C5-391.02-32033A	5512068-01	5545040-02
C5-391.02-40040A	5512068-06	5545040-07
C6-391.02-32032	5512068-01	5545040-02
C6-391.02-40040	5512068-02	5545040-03
C6-391.02-50050A	5512068-07	5545040-08
C8-391.02-50045A	5512068-08	5545040-08
C8-391.02-63055A	5512068-05	5545040-08
C8-391.02R-63055A	5512068-05	5545040-08

Aksesuarlar / Yedek parçalar



Aksesuarlar:
3 = Uzatma anahtarı

Yedek parçalar:
1 = Merkezi vida
2 = Segman



Kaba baralama

Seco'nun kaba baralama ürünleri serisi, güçlü ve son derece sağlam performans sayesinde talaş kaldırma oranlarını ve hassasiyeti en üst düzeye çıkarır. Simetrik ve kademeli tasarımlar için tasarlanmıştır. Steadyline™ titreşim sönmüleyici çözümler, uzun takım kullanım boylarının gerekli olduğu derin boyların işlenmesi için daha da fazla tutarlılık sağlamak üzere ürün çeşitlerini tamamlar.

- RB 750 kaba baralama kafaları, mümkün olan en yüksek kaba baralama performansını sunar
- RB 610 kaba baralama kafaları, kaba operasyonlara yönelik kısa, pratik, sağlam baralama kafalarıdır

Kaba baralama kafalarına genel bakış

Graflex®



Ø 18-24 (Ø 0.709"-0.945")



Ø 23-31 (Ø 0.906"-1.220")



Ø 30-40 (Ø 1.181"-1.575")



Ø 39-51 (Ø 1.535"-2.008")



Ø 50-65 (Ø 1.968"-2.559")



Ø 64-86 (Ø 2.520"-3.386")



Ø 85-144 (Ø 3.346"-5.669")



Ø 114-205 (Ø 4.488"-8.071")

Seco-Capto™



Ø 39-51 (Ø 1.535"-2.008")



Ø 50-65 (Ø 1.968"-2.559")



Ø 64-86 (Ø 2.520"-3.386")

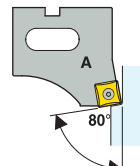
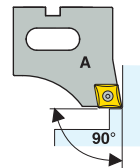
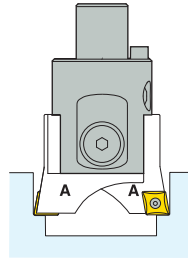


Ø 85-144 (Ø 3.346"-5.669")

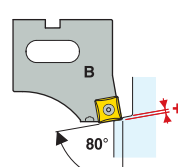
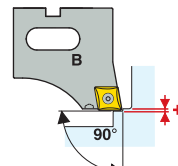
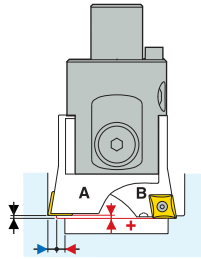


Ø 114-205 (Ø 4.488"-8.071")

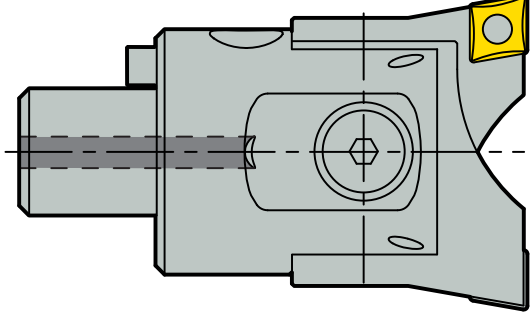
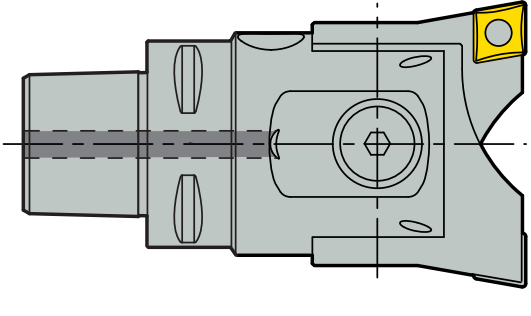
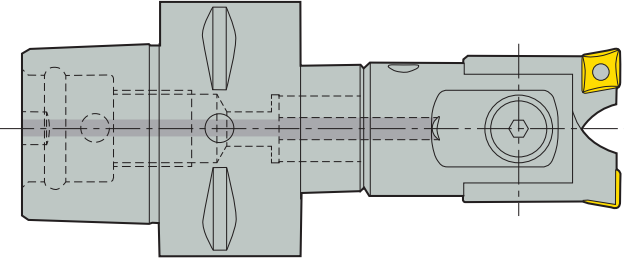
Simetrik baralama:
2 ad. standart, A tip kartuş



Kademeli baralama:
1 Ad. geniş, B tip ve 1 Ad. standart, A tip kartuş



Özellikler

<p>Graflex® kaba baralama kafaları</p> <ul style="list-style-type: none"> • Ø 18 - 205 mm (0,709 - 8,071 inç) • Ø 18 - 205 mm (0,709 - 8,071 inç) arası delikler için Graflex® bağlantı ile 8 adet RB 750 kaba baralama kafası 		Giriş
<p>Seco-Capto™ kaba baralama kafaları</p> <ul style="list-style-type: none"> • Not: Capto™ bağlantılı en küçük kaba baralama kafası Ø 39 mm'dir (1,535 inç) ve mevcut en küçük Capto™ C3 bağlantıya sahiptir. • Ø 18 - 40 mm (0,709-1,575 inç) arası için uygun Capto™/Graflex® adaptör ile birlikte bağlantı ebadı G0-G2 olan Graflex® baralama kafaları kullanın. 		Delme
<p>Seco-Capto™ kaba baralama kafaları</p> <ul style="list-style-type: none"> • Not: Özellikler, Talimatlar (kartuş bağlantıları, çap ayarı, ters baralama talimatları, sorun giderme, tavsiye edilen işleme koşulları, maks. hızlar), uygun kartuşlar ve uçlar bağlantı tipine bakmaksızın benzer işleme kapasitesindeki RB 750 kaba baralama kafalarının her iki tipi için aynıdır. • Modüler düzenekler ve kesme koşulları Seco-Capto™ ve Graflex® adaptörler ve modüler uzantılar: Lütfen Takım Tutucular kataloğuna bakın. 		Raybalama
		Baralama

Özellikler

Bir kaba baralama takımı 1 gövde (kafa) ve 2 kartuşun birleşmesinden oluşur.

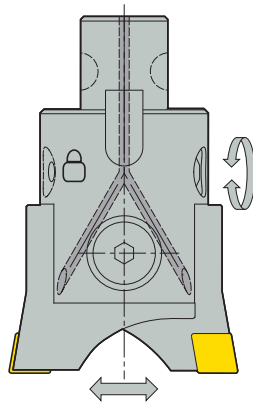
Kartuşların eş zamanlı veya bağımsız ayarları yapılabilir:

Kartuş bağlama mekanizması (en küçük kafada $\varnothing 18 - 24$ mm (0,709-0,9445 inç) bağlama mekanizması yoktur) ile eş zamanlı ayarlama.

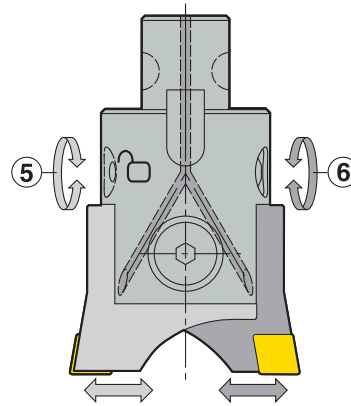
Her ayar vidası her iki kartuşla da eş zamanlı olarak hareket eder (birbirlerine dişli bağlantılıdır).

Ayar cihazı olmadan çap ayarı yapılabilir (1 artış = 0,1 mm (0,004 inç) çapta).

Bağımsız ayar da yapılabilir: Her bir ayar vidasının yalnızca kendi kartuşunda hareket edebilmesi için bağlama mekanizmasını sökün.



Eş zamanlı ayarlama



Bağımsız ayarlama

Simetrik baralama:

Simetrik baralama her iki kesme kenarının da aynı çapta ayarlanmış olduğu anlamına gelir: İki tane aynı A tip standart kartuş gerektirir (giriş açıları aynı olmalıdır).

Kademeli baralama:

Kademeli baralamanın anlamı bir kartuşu önde ve daha küçük çapa, diğer kartuşu ise daha geride bitmiş çapa ayarlayarak baralamadır: Gereken (+) aksenal ölçüye ulaşmak için bir adet A tip standart kartuş ve bir adet B tip geniş kartuş gerekmektedir.

90° veya 80° giriş açısına sahip kartuşlar

A75...CC... ve A75...CP... kartuşlar eşkenar dörtgen uçlar için 90°'lik giriş açısına sahiptir: Genellikle kapalı deliklere uygundur ve daha az fener mili torku gerektirir.

A75...SC... kartuş, kare uçlar için 80°'lik giriş açısına sahiptir: Genellikle açık deliklere ve ağır işlere uygundur. Kesme kenarı açıları ISO'ya göre dir.

Özellikler

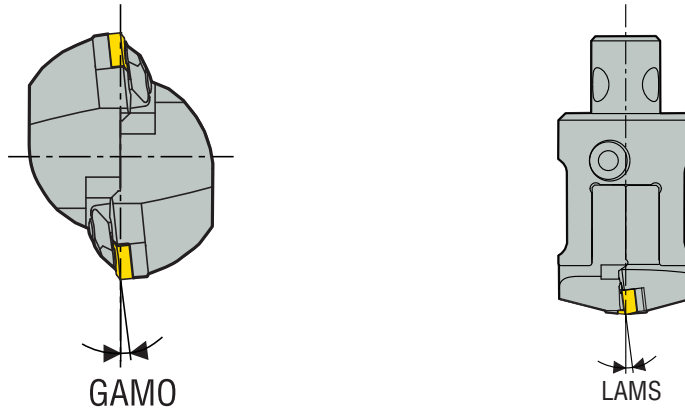
CC, CP, SC veya CN tipi uç tutucular

A750...CC..., A750...CP... ve A750...SC... kartuşlar 0° boşluk açısı (GAMO) ve 0° eğim açısına sahiptir (LAMS).

A750...CN... kartuşlar -6° boşluk açısı (GAMO) ve -6° eğim açısına (LAMS) sahiptir, böylece "negatif" CNMM uçların ve özellikle 4 kesme kenarlı CNMG uçların kullanılmasını mümkün kılar.

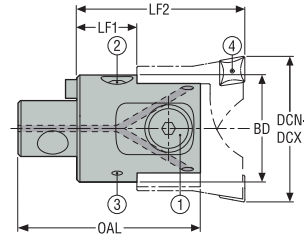
Böyle bir durumda, tavsiye edilen CN uçları seçmek ve kesme verilerine uymak özellikle önem arz eder (bakınız sayfa 646).

Diğer uçları kullanırken, ör. daha küçük efektif kesme açısı olan ve/veya yanlış kesme verisi, aşırı yüksek kesme gerilimine ve tezgah/iş parçası hasarına yol açabilir.



RB750

Graflex®



- Simetrik ve kademeli baralama mümkün.
- Kartuş bağlantı mekanizması aracılığıyla eş zamanlı ayarlama.

1. Montaj vidası
2. Ayar vidası
3. Bağlama mekanizmasını sıkma vidası
4. Uç vidası

Ürün Tanımı	Ürün numarası	Tezgah fener mili tarafı Graflex ebatı	İş parçası tarafı Kapasite		OAL	LF1	LF2	BD	Ağırlık	Eş zamanlı ayarlama modu		Bağımsız ayarlama modu		Maks. RPM
			mm İnç	mm İnç						Evet	Hayır	Evet	Hayır	
A75000	00026687	G0	18,0 0.709	24,0 0.945	38,0 1.496	12,5 0.492	35,0 1.378	16,5 0.650	0,03 0.070		■	■		15000
A75010	00026688	G1	23,0 0.906	31,0 1.220	42,5 1.673	13,5 0.531	40,0 1.575	21,5 0.846	0,1 0.220	■		■		12000
A75020	00026689	G2	30,0 1.181	40,0 1.575	51,0 2.008	16,0 0.630	46,0 1.811	27,0 1.063	0,11 0.240	■		■		9500
A75030	00026690	G3	39,0 1.535	51,0 2.008	69,0 2.717	24,0 0.945	65,0 2.559	35,0 1.378	0,5 1.100	■		■		7500
A75040	00026691	G4	50,0 1.969	65,0 2.559	78,0 3.071	27,0 1.063	72,0 2.835	43,0 1.693	0,46 1.010	■		■		5700
A75050	00026692	G5	64,0 2.520	86,0 3.386	92,0 3.622	30,0 1.181	82,0 3.228	54,0 2.126	0,8 1.760	■		■		4500
A75060	00026693	G6	85,0 3.346	144,0 5.669	119,0 4.685	37,0 1.457	105,0 4.134	70,0 2.756	1,69 3.730	■		■		3500
A75070	00026694	G7	114,0 4.488	205,0 8.071	143,0 5.630	39,0 1.535	120,0 4.724	95,0 3.740	3,7 8.160	■		■		2500

Kartuşlar ayrıca sipariş edilmelidir, bakınız sayfa 562-566
Not, kartuş ağırlığı dahil değildir.

Yedek parçalar

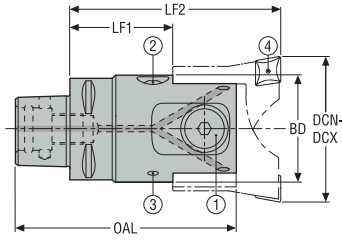
Aksesuarlar

Şu kafa için	Montaj vidası	Anahtar	Kama	Anahtar	Anahtar sapı (T-şekil)	Ayar anahtarı	Kama	Ayar mastarı
A75000	90A75000	03HL03	-	H4B-T07P	DOUBLE-T	H1.5-2D	90M0	-
A75010	90A75010	03HL03	H4B-T06P	H4B-T07P	DOUBLE-T	H1.5-2D	90M11	CAA75010
A75020	90A75020	03HL04	H4B-T07P	-	DOUBLE-T	H2.0-2D	90M21	CAA75020
A75030	90A75030	03HL05	H4B-T08P	-	DOUBLE-T	H2.0-2D	90M31	CAA75030
A75040	90A75040	03HL05	H4B-T09P	-	DOUBLE-T	H2.5-2D	90M41	CAA75040
A75050	90A75050	03HL06	-	-	DOUBLE-T	03M03C	90M51	CAA75050
A75060	90A75060	03HL08	-	-	DOUBLE-T	H04-4	90M61	CAA75060
A75070	90A75070	03HL10	H4B-T15P	H4B-T15PL	DOUBLE-T	H04-4	90M71	CAA75070

Aksesuarlar, ayrıca sipariş edilmelidir

RB750

Seco-Capto™



1. Montaj vidası
2. Ayar vidası
3. Bağlama mekanizmasını sıkma vidası
4. Uç vidası



- Simetrik ve kademeli baralama mümkün.
- Kartuş bağlantı mekanizması aracılığıyla eş zamanlı ayarlama.

Ürün Tanımı	Ürün numarası	Tezgaah fener mili tarafı	İş parçası tarafı		Kapasite	OAL	LF1	LF2	BD	Ağırlık	Eş zamanlı ayarlama modu		Bağımsız ayarlama modu		Maks. RPM			
			mm	İnç							mm	İnç	mm	İnç		Evet	Hayır	Evet
C3-391.0750-30	02809726	C3	39,0	1.535	51,0	2.008	73,0	2.874	29,0	1.142	70,0	35,0	1.378	0,28	0.620	■	■	7500
C4-391.0750-40	02809728	C4	50,0	1.969	65,0	2.559	88,0	3.465	37,0	1.457	82,0	43,0	1.693	0,52	1.150	■	■	5700
C5-391.0750-50	02809733	C5	64,0	2.520	86,0	3.386	102,0	4.016	40,0	1.575	92,0	54,0	2.126	0,94	2.070	■	■	4500
C6-391.0750-60	02809735	C6	85,0	3.346	144,0	5.669	129,0	5.079	49,0	1.929	117,0	70,0	2.756	1,88	4.140	■	■	3500
C8-391.0750-70	02809736	C8	114,0	4.488	205,0	8.071	159,0	6.260	57,0	2.244	138,0	95,0	3.740	4,14	9.130	■	■	2500

Kartuşlar ayrıca sipariş edilmelidir, bakınız sayfa 562-566
Not, kartuş ağırlığı dahil değildir.

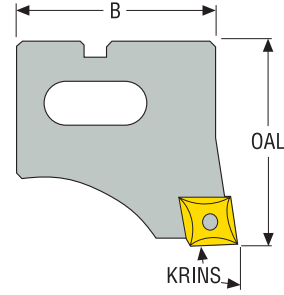
Yedek parçalar

Aksesuarlar

Şu kafa için	Montaj vidası	Anahtar	Kama	Anahtar sapı (T-şekil)	Ayar anahtarı	Ayar mastarı
C3-...-30	90A75030	03HL05	H4B-T08P	DOUBLE-T	H2.0-2D	CAA75030
C4-...-40	90A75040	03HL05	H4B-T09P	DOUBLE-T	H2.5-2D	CAA75040
C5-...-50	90A75050	03HL06	-	DOUBLE-T	03M03C	CAA75050
C6-...-60	90A75060	03HL08	-	DOUBLE-T	H04-4	CAA75060
C8-...-70	90A75070	03HL10	-	DOUBLE-T	H04-4	CAA75070

Aksesuarlar, ayrıca sipariş edilmelidir

90° kaba baralama kartuşları, CC.. ve CP.. uç kullanılan kafalar için



- RB 750 kafalara bağlantı için
- Simetrik baralama için iki adet A tip standart kartuş gereklidir
- Kademeli baralama için bir tane standart A tip ve bir tane geniş B tipi kartuş gerekmektedir.

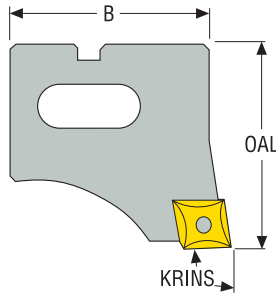
Ürün Tanımı	Ürün numarası	Ağız aralığı	Şu kafa için	Kapasite DCN-DCX Ø		OAL	B	Ağırlık	KRINS°	Uygun uç ebadı
				mm İnç	mm İnç					
A75000CP0590	00026695	Standart A tip	RB 75000	18,0 0.709	24,0 0.945	22,5 0.886	16,5 0.650	0,01 0.020	90	CP...0502...
A75010CC0690	00026696	Standart A tip	RB 75010	23,0 0.906	31,0 1.220	26,5 1.043	21,5 0.846	0,02 0.040	90	CC...0602...
A75020CC0690	00026697	Standart A tip	RB 75020	30,0 1.181	40,0 1.575	30,0 1.181	27,0 1.063	0,04 0.090	90	CC...0602...
A75030CC0990	00026698	Standart A tip	RB 75030	39,0 1.535	51,0 2.008	41,0 1.614	35,0 1.378	0,08 0.180	90	CC...09T3...
A75040CC1290	00026699	Standart A tip	RB 75040	50,0 1.969	65,0 2.559	45,0 1.772	43,0 1.693	0,14 0.310	90	CC...1204...
A75050CC1290	00026700	Standart A tip	RB 75050	64,0 2.520	86,0 3.386	52,0 2.047	54,0 2.126	0,25 0.550	90	CC...1204...
A75060CC1290	00026701	Standart A tip	RB 75060	85,0 3.346	115,0 4.528	68,0 2.677	70,0 2.756	0,55 1.210	90	CC...1204...
A75060CC1690	00030763	Standart A tip	RB 75060	85,0 3.346	115,0 4.528	68,0 2.677	70,0 2.756	0,55 1.210	90	CC...1605...
A75065CC1290	00026702	Standart A tip	RB 75060	114,0 4.488	144,0 5.669	68,0 2.677	100,0 3.937	0,89 1.960	90	CC...1204...
A75065CC1690	00030765	Standart A tip	RB 75060	114,0 4.488	144,0 5.669	68,0 2.677	100,0 3.937	0,9 1.980	90	CC...1605...
A75070CC1290	00026703	Standart A tip	RB 75070	114,0 4.488	160,0 6.299	81,0 3.189	95,0 3.740	1,18 2.600	90	CC...1204...
A75070CC1690	00030766	Standart A tip	RB 75070	114,0 4.488	160,0 6.299	81,0 3.189	95,0 3.740	1,18 2.600	90	CC...1605...
A75075CC1290	00026704	Standart A tip	RB 75070	159,0 6.260	205,0 8.071	81,0 3.189	141,0 5.551	2,0 4.410	90	CC...1204...
A75075CC1690	00030771	Standart A tip	RB 75070	159,0 6.260	205,0 8.071	81,0 3.189	141,0 5.551	2,0 4.410	90	CC...1605...

Yedek parçalar

Şu uç ebadı için	Anahtar	Anahtar sapı (T-şekil)	Vida
CP...0502...	H4B-T07P	DOUBLE-T	C02245-T07P
CC...0602...	H4B-T07P	DOUBLE-T	C02504-T07P
CC...09T3...	H4B-T15P	DOUBLE-T	C04008-T15P
CC...1204...	H4B-T15P	DOUBLE-T	C05012-T15P
CC...1605...	H4B-T15P	DOUBLE-T	C05012-T15P

Kaba baralama için tavsiye edilen uçlar için, bakınız sayfa 646




90° kaba baralama kartuşları, CC.. ve CP.. uç kullanılan kafalar için



- RB 750 kafalara bağlantı için
- Simetrik baralama için iki adet A tip standart kartuş gereklidir
- Kademeli baralama için bir tane standart A tip ve bir tane geniş B tipi kartuş gerekmektedir.

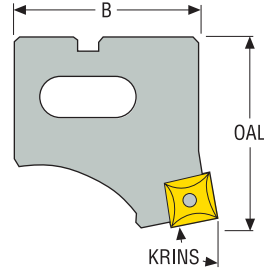
Ürün Tanımı	Ürün numarası	Ağız aralığı	Şu kafa için	Kapasite DCN-DCX Ø		OAL	B	Ağırlık	KRINS°	Uygun uç ebadı
				mm İnç	mm İnç					
A75001CP0590	00026705	Uzatılmış B tip	RB 75000	18,0 0.709	24,0 0.945	22,8 0.898	16,5 0.650	0,01 0.020	90	CP...0502...
A75011CC0690	00026706	Uzatılmış B tip	RB 75010	23,0 0.906	31,0 1.220	26,85 1.057	21,5 0.846	0,02 0.040	90	CC...0602...
A75021CC0690	00026707	Uzatılmış B tip	RB 75020	30,0 1.181	40,0 1.575	30,35 1.195	27,0 1.063	0,04 0.090	90	CC...0602...
A75031CC0990	00026708	Uzatılmış B tip	RB 75030	39,0 1.535	51,0 2.008	41,4 1.630	35,0 1.378	0,08 0.180	90	CC...09T3...
A75041CC1290	00026709	Uzatılmış B tip	RB 75040	50,0 1.969	65,0 2.559	46,5 1.831	43,0 1.693	0,13 0.290	90	CC...1204...
A75051CC1290	00026710	Uzatılmış B tip	RB 75050	64,0 2.520	86,0 3.386	52,6 2.071	54,0 2.126	0,25 0.550	90	CC...1204...
A75061CC1290	00026711	Uzatılmış B tip	RB 75060	85,0 3.346	115,0 4.528	68,6 2.701	70,0 2.756	0,55 1.210	90	CC...1204...
A75061CC1690	00030774	Uzatılmış B tip	RB 75060	85,0 3.346	115,0 4.528	68,6 2.701	70,0 2.756	0,55 1.210	90	CC...1605...
A75066CC1290	00026712	Uzatılmış B tip	RB 75060	114,0 4.488	144,0 5.669	68,6 2.701	100,0 3.937	0,91 2.010	90	CC...1204...
A75066CC1690	00030775	Uzatılmış B tip	RB 75060	114,0 4.488	144,0 5.669	68,6 2.701	100,0 3.937	0,91 2.010	90	CC...1605...
A75071CC1290	00026713	Uzatılmış B tip	RB 75070	114,0 4.488	160,0 6.299	81,6 3.213	95,0 3.740	1,16 2.560	90	CC...1204...
A75071CC1690	00030776	Uzatılmış B tip	RB 75070	114,0 4.488	160,0 6.299	81,6 3.213	95,0 3.740	1,16 2.560	90	CC...1605...
A75076CC1290	00026714	Uzatılmış B tip	RB 75070	159,0 6.260	205,0 8.071	81,6 3.213	141,0 5.551	2,0 4.410	90	CC...1204...
A75076CC1690	00030778	Uzatılmış B tip	RB 75070	159,0 6.260	205,0 8.071	81,6 3.213	141,0 5.551	2,01 4.430	90	CC...1605...

Yedek parçalar

Şu uç ebadı için	Anahtar sapı (T-şekil)	Anahtar	Vida
CP...0502...			
CC...0602...	DOUBLE-T	H4B-T07P	C02504-T07P
CC...09T3...	DOUBLE-T	-	C04008-T15P
CC...1204...	DOUBLE-T	-	C05012-T15P
CC...1605...	DOUBLE-T	-	C05012-T15P

Kaba baralama için tavsiye edilen uçlar için, bakınız sayfa 646

80° kaba baralama kartuşları SC.. uç kullanılan






- RB 750 kafalara bağlantı için
- Simetrik baralama için iki adet A tip standart kartuş gereklidir
- Kademeli baralama için bir tane standart A tip ve bir tane geniş B tipi kartuş gerekmektedir.

Ürün Tanımı	Ürün numarası	Ağız aralığı	Şu kafa için	Kapasite DCN-DCX Ø		OAL	B	Ağırlık	KRINS°	Uygun uç ebadı
				mm Inç	mm Inç					
A75000SC0580	00026715	Standart A tip	RB 75000	18,0 0.709	24,0 0.945	22,5 0.886	16,5 0.650	0,01 0.020	80	SC...0502...
A75010SC0680	00026716	Standart A tip	RB 75010	23,0 0.906	31,0 1.220	26,5 1.043	21,5 0.846	0,02 0.040	80	SC...0602...
A75020SC0680	00026717	Standart A tip	RB 75020	30,0 1.181	40,0 1.575	30,0 1.181	27,0 1.063	0,04 0.090	80	SC...0602...
A75030SC0980	00026718	Standart A tip	RB 75030	39,0 1.535	51,0 2.008	41,0 1.614	35,0 1.378	0,08 0.180	80	SC...09T3...
A75040SC1280	00026719	Standart A tip	RB 75040	50,0 1.969	65,0 2.559	45,0 1.772	43,0 1.693	0,03 0.070	80	SC...1204...
A75050SC1280	00051986	Standart A tip	RB 75050	64,0 2.520	86,0 3.386	52,0 2.047	54,0 2.126	0,25 0.550	80	SC...1204...
A75060SC1280	00052207	Standart A tip	RB 75060	85,0 3.346	115,0 4.528	68,0 2.677	70,0 2.756	0,56 1.230	80	SC...1204...
A75060SC1580	00039863	Standart A tip	RB 75060	85,0 3.346	115,0 4.528	68,0 2.677	70,0 2.756	0,56 1.230	80	SC...1505...
A75065SC1280	00051989	Standart A tip	RB 75060	114,0 4.488	144,0 5.669	68,0 2.677	100,0 3.937	0,94 2.070	80	SC...1204...
A75065SC1580	00039865	Standart A tip	RB 75060	114,0 4.488	144,0 5.669	68,0 2.677	100,0 3.937	1,0 2.200	80	SC...1505...
A75070SC1280	00026723	Standart A tip	RB 75070	114,0 4.488	160,0 6.299	81,4 3.205	95,0 3.740	1,2 2.650	80	SC...1204...
A75070SC1580	00039867	Standart A tip	RB 75070	114,0 4.488	160,0 6.299	81,4 3.205	95,0 3.740	1,18 2.600	80	SC...1505...
A75075SC1280	00026724	Standart A tip	RB 75070	159,0 6.260	205,0 8.071	81,4 3.205	141,0 5.551	2,09 4.610	80	SC...1204...
A75075SC1580	00039869	Standart A tip	RB 75070	159,0 6.260	205,0 8.071	81,4 3.205	141,0 5.551	2,1 4.630	80	SC...1505...
A75001SC0580	00092946	Uzatılmış B tip	RB 75000	18,0 0.709	24,0 0.945	23,2 0.913	16,5 0.650	0,01 0.020	80	SC...0502...
A75011SC0680	00092947	Uzatılmış B tip	RB 75010	23,0 0.906	31,0 1.220	27,3 1.075	21,5 0.846	0,02 0.040	80	SC...0602...
A75021SC0680	00092948	Uzatılmış B tip	RB 75020	30,0 1.181	40,0 1.575	30,9 1.217	27,0 1.063	0,04 0.090	80	SC...0602...
A75031SC0980	00092949	Uzatılmış B tip	RB 75030	39,0 1.535	51,0 2.008	42,2 1.661	35,0 1.378	0,08 0.180	80	SC...09T3...
A75041SC1280	00092961	Uzatılmış B tip	RB 75040	50,0 1.969	65,0 2.559	46,4 1.827	43,0 1.693	0,14 0.310	80	SC...1204...
A75051SC1280	00092962	Uzatılmış B tip	RB 75050	64,0 2.520	86,0 3.386	53,7 2.114	54,0 2.126	0,26 0.570	80	SC...1204...
A75061SC1580	00039864	Uzatılmış B tip	RB 75060	85,0 3.346	115,0 4.528	70,3 2.768	70,0 2.756	0,57 1.260	80	SC...1505...
A75061SC1280	00092963	Uzatılmış B tip	RB 75060	85,0 3.346	115,0 4.528	69,8 2.748	70,0 2.756	0,57 1.260	80	SC...1204...

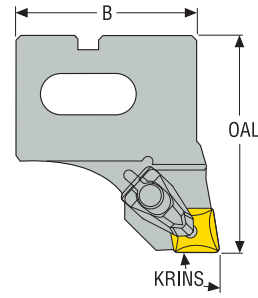
Ürün Tanımı	Ürün numarası	Ağız aralığı	Şu kafa için	Kapasite DCN-DCX Ø		OAL	B	Ağırlık	KRINS°	Uygun uç ebadı
				mm Inç	mm Inç	mm Inç	mm Inç	kg lb		
A75066SC1280	00092964	Uzatılmış B tip	RB 75060	114,0 4.488	144,0 5.669	69,8 2.748	100,0 3.937	0,96 2.120	80	SC...1204...
A75066SC1580	00039866	Uzatılmış B tip	RB 75060	114,0 4.488	144,0 5.669	70,3 2.768	100,0 3.937	0,96 2.120	80	SC...1505...
A75071SC1280	00092965	Uzatılmış B tip	RB 75070	114,0 4.488	160,0 6.299	82,8 3.260	95,0 3.740	1,21 2.670	80	SC...1204...
A75071SC1580	00039868	Uzatılmış B tip	RB 75070	114,0 4.488	160,0 6.299	83,3 3.280	95,0 3.740	1,21 2.670	80	SC...1505...
A75076SC1280	00092968	Uzatılmış B tip	RB 75070	159,0 6.260	205,0 8.071	82,8 3.260	141,0 5.551	2,16 4.760	80	SC...1204...
A75076SC1580	00039870	Uzatılmış B tip	RB 75070	159,0 6.260	205,0 8.071	83,3 3.280	141,0 5.551	2,14 4.720	80	SC...1505...

Yedek parçalar

Şu uç ebadı için	Anahtar sapı (T-şekil)	Anahtar	Vida
			
SC...0502...	DOUBLE-T	H4B-T07P	C02245-T07P
SC...0602...	DOUBLE-T	H4B-T07P	C02504-T07P
SC...09T3...	DOUBLE-T	-	C04008-T15P
SC...1204...	DOUBLE-T	-	C05012-T15P
SC...1505...	DOUBLE-T	-	C05012-T15P

Kaba baralama için tavsiye edilen uçlar için, bakınız sayfa 646




90° kaba baralama kartuşları CN.. uç kullanılan



- RB 750 kafalara bağlantı için
- Simetrik baralama için iki adet A tip kartuş gereklidir (CN.. uçlar için geniş B tipi kartuşlar mevcut değildir).
- GAMO = Boşluk açısı = - 6°
- LAMS = Eğim açısı = - 6°

Ürün Tanımı	Ürün numarası	Ağız aralığı	Şu kafa için	Kapasite DCN-DCX Ø		OAL	B	Ağırlık	KRINS°	Uygun uç ebadı
				mm Inç	mm Inç					
A75050CN1290	02786307	Standart A tip	RB 75050	64,0 2.520	86,0 3.386	63,0 2.480	55,0 2.165	0,28 0.620	90	CN...1204...
A75060CN1290	02786308	Standart A tip	RB 75060	85,0 3.346	115,0 4.528	68,0 2.677	69,5 2.736	0,58 1.280	90	CN...1204...
A75065CN1290	02786309	Standart A tip	RB 75060	114,0 4.488	144,0 5.669	68,0 2.677	99,5 3.917	0,98 2.160	90	CN...1204...
A75070CN1290	02786310	Standart A tip	RB 75070	114,0 4.488	160,0 6.299	85,0 3.346	95,0 3.740	1,25 2.760	90	CN...1204...
A75075CN1290	02786311	Standart A tip	RB 75070	159,0 6.260	205,0 8.071	85,0 3.346	140,0 5.512	2,03 4.480	90	CN...1204...

Yedek parçalar

Şu uç ebadı için	Altlık vidası	Sıkma kiti	Altlık	Anahtar sapı (T-şekil)
CN...1204...	 CSC6312-T15P	 CD12-S12	 UCN120612	 DOUBLE-T

Kaba baralama için tavsiye edilen uçlar için, bakınız sayfa 646

Talimatlar

Tavsiye edilen işleme koşulları

Fener mili gücü:

Kaba baralama yüksek tezgah gücü gerektirdiğinden tezgahın uygun olup olmadığının kontrol edilmesini tavsiye ediyoruz. Güç ihtiyaçlarının azaltılmasında, simetrik ayarlama ile karşılaştırıldığına kademeli baralama bir çözümdür, çünkü aynı toplam kesme derinliği için ilerleme ikiye bölünür.

En iyi performans için soğutma sıvısı ile elde edilir (daha yüksek işleme verileri, daha iyi yüzey kalitesi, daha iyi talaş boşaltma, daha uzun uç ömrü).

Ayrıntılı kullanım talimatları için lütfen baralama kafalarının ambalaj içeriğinin parçası olarak ve Steadyline® çubukları ile birlikte sağlanan çalışma talimatlarına başvurun. Bu çalışma talimatları ayrıca www.secotools.com adresinden indirilebilir.

Kaba baralama kafaları için maksimum hızlar

Kafa	Ø Kapasitesi (mm)	Kapasite Ø inç	Maks. RPM	Min. Kapasitede ima edilen maks. kesme hızı v _c m/dak. (feet/min)	Maks. kapasitede ima edilen maks. kesme hızı v _c m/dak. (feet/min)
Graflex® bağlantılı kaba baralama kafaları (simetrik olarak ayarlanan iki aynı kartuşla birlikte)					
A75000	18-24	0.709-0.945	15000	848 (2782)	1131 (3711)
A75010	23-31	0.906-1.220	12000	867 (2844)	1169 (3835)
A75020	30-40	1.181-1.575	9500	895 (2936)	1194 (3917)
A75030	39-51	1.535-2.008	7500	919 (3015)	1202 (3944)
A75040	50-65	1.969-2.559	5700	895 (2936)	1164 (3819)
A75050	64-86	2.520-3.386	4500	905 (2969)	1216 (3990)
A75060	85-115	3.346-4.528	3500	935 (3068)	1264 (4147)
A75060	114-144	4.488-5.669	2700	967 (3173)	1221 (4006)
A75070	114-160	4.488-6.299	2500	895 (2936)	1257 (4124)
A75070	159-205	6.260-8.071	2000	999 (3278)	1288 (4226)
Seco-Capto™ bağlantılı kaba baralama kafaları (simetrik olarak ayarlanan iki aynı kartuşla birlikte)					
C3-391.0750-30	39-51	1.535-2.008	7500	919 (3015)	1202 (3944)
C4-391.0750-40	50-65	1.969-2.559	5700	895 (2936)	1164 (3819)
C5-391.0750-50	64-86	2.520-3.386	4500	905 (2969)	1216 (3990)
C6-391.0750-60	85-115	3.346-4.528	3500	935 (3068)	1264 (4147)
C6-391.0750-60	114-144	4.488-5.669	2700	967 (3173)	1221 (4006)
C8-391.0750-70	114-160	4.488-6.299	2500	895 (2936)	1257 (4124)
C8-391.0750-70	159-205	6.260-8.071	2000	999 (3278)	1288 (4226)

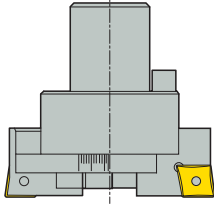
Not: Maksimum hızlar, baralama kafasının mekanik tasarımı ve balans kalitesiyle ilişkilidir. Diğer işleme koşulları da göz önüne alınarak bu limitler dahilindeki hızlar seçilmelidir, örn. iş parçası malzemesi, kesme kenarı (uç), takım boyu, tezgah fener mili. Yaklaşık 8000 dev/dak ve daha yüksek hızlarda, tutucu ve ara parçaların balansı hassas şekilde ayarlanmalıdır.

Sorun giderme talimatları

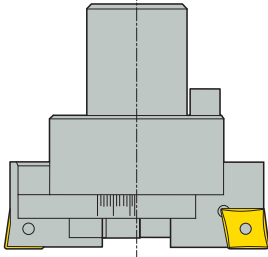
Sorun	Olası neden	Çözüm
Kötü talaş kontrolü	İlerleme oranı çok düşük	İlerleme oranını artırın
	Aşırı paso miktarı	Kademeli metodu kullanın
Sarsıntı ve Titreşimler	Aşırı hız	Kesme hızını düşürün, ilerlemeyi değil Bükülmezliği artırmak için takımı kısaltın
	Aşırı B/Ç oranı	Dış çap (OD) tutucu göbeklerini ve ara parçalarını artırın
		Steadyline tutucu kullanın
		Karbür veya ağır metal ara parçalar kullanın
	Çok geniş uç radyüsü	Daha küçük radyüslü uç kullanın
	Sağlam olmayan iş parçası	Fikstür ve bağlama desteğini iyileştirin
	Giriş açısı $\kappa = 80^\circ$	$\kappa=90^\circ$ olarak değiştirin, CC uç tipi
Uç ufalanması veya kırılması	Yanlış uç	Daha tok kalitede uç ile değiştirin Mümkünse daha geniş radyüs kullanın
	Ciddi darbeli kesme	Hızı düşürün, ilerlemeyi düşürün
	Talaş sıkışması ve talaşı yeniden kesme	Delik barası/delik çapı boşluğunu kontrol edin Talaş kontrolünü iyileştirin, ilerlemeyi artırın
Kısa takım ömrü	Yanlış uç	Daha yüksek aşınma direnci kalitesine geçin
	Aşırı kesme hızı	Hızı azaltın
	Uçta kenar ufalanması	Paso miktarını ve ilerleme oranını kontrol edin
	Çok düşük soğutma sıvısı basıncı	Soğutma sıvısı basıncını yükseltin
Talaşlar boşalmıyor	Delik barası çok geniş	Mümkünse daha geniş tutucuya sahip daha küçük bir kafaya geçin
	Aşırı paso miktarı	Kademeli metodu kullanın; CN.. uç yerine CC.. tercih edin (özellikle baralama kafasını küçük çaplarda kullanırken).
	Deliğin altında yetersiz alan	İç parçasını tablada daha yüksek bağlayın
	Kötü talaş kontrolü	Yukarıya bakınız
Yetersiz tezgah gücü	Aşırı ilerleme oranı	İlerlemeyi düşürün (uç radyüsünün %25'inden az değil)
	Aşırı paso miktarı	Kademeli metodu kullanın
	Düşük tezgah gücü	Fener mili RPM değeri düşük tork alanındaysa: Hızı artırın
		Fener mili devri dişli değiştirme alanındaysa: Devri ayarlayın
		Boşluk açısı daha yüksek olan bir uç kullanın (aşırı durumlarda HSS kullanın)
Paso miktarını azaltın		
Aşırı delik çıkış çapağı	Aşırı ilerleme oranı	İlerlemeyi düşürün
	90° CC tip kartuşlar	80° kare uçlu kartuş kullanın
	Kesme güçleri çok yüksek	Kesme derinliğini azaltın Uç radyüsünü küçültün

RB 610 Kaba baralama kafaları – Genel bakış

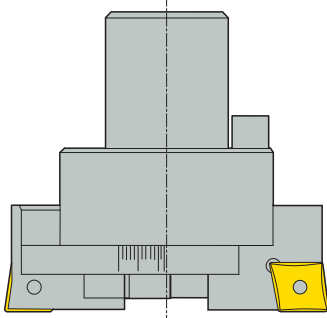
Graflex® bağlantı



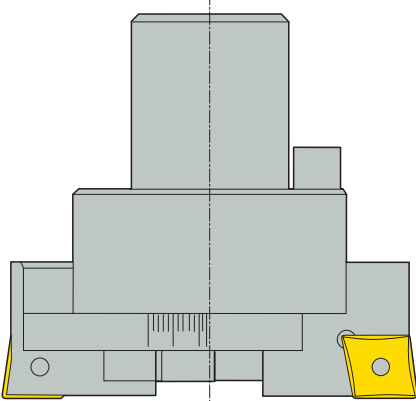
Ø 39–51 mm (Ø 1.535–2.008")



Ø 50–65 mm (Ø 1.969–2.559")

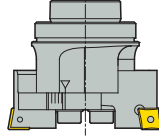


Ø 64–86 mm (Ø 2.520–3.386")

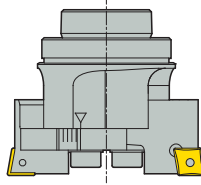


Ø 85–115 mm (Ø 3.346–4.528")

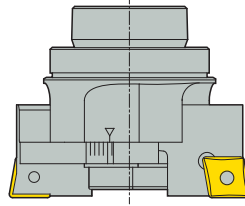
GL bağlantı



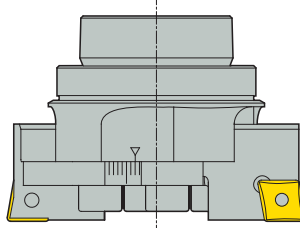
Ø 28–37 mm (Ø 1.102–1.457")



Ø 36–46 mm (Ø 1.417–1.811")

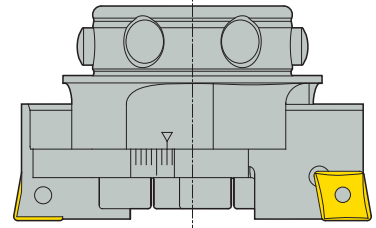


Ø 45–56 mm (Ø 1.772–2.205")

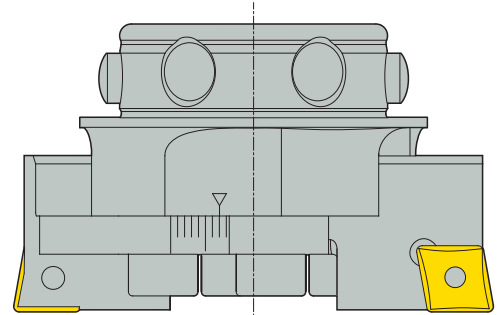


Ø 55–69 mm (Ø 2.165–2.717")

BA bağlantı



Ø 66–88 mm (Ø 2.598–3.465")



Ø 86–116 mm (Ø 3.386–4.567")

RB 610 Kaba baralama kafaları – Rehber

Özellikler

- Kaba baralama kafası tertibatı 1 gövde (kafa) ve 2 kartuştan oluşur
- Dökümden çıkmış, oksijenle kesilmiş veya delinmiş deliğe kadar geometrik delik hassasiyetine ulaşma
- Simetrik tasarım sayesinde en aza indirilen dengesizlik

Kompakt

- Steadyline® tornalama ve baralama çubukları üzerinde kullanıldığında baralama montajının sağlamlığını maksimuma çıkarmak ve en iyi sönümleme performanslarını sunmak için kısa gövde
- Hızlı takım değiştirme ve fener mili hızlanması için düşük ağırlık

Sezgisel ve hızlı ayarlama

- Her kartuş takım ayar cihazı kullanarak kolay ve hızlı ayarlamaya olanak veren "it ve çek" ayar mekanizmasına sahiptir
- Çap skalası kartuş pozisyonunu kabaca gösterir

Kartuşlar

- A610...CC... kartuşlar eşkenar dörtgen uçlar için 90°'lik bir açığa sahiptir, 0° boşluk açısı, 0° eğim açısı
- Bu kartuşlar RB 610 Graflex® ve RB 610 GL kafaları için uygundur

Üretkenlik

- Vidaların geniş baskı yüzeyi ile uygulanan orantılı baskı sayesinde kartuş ve gövde arasındaki bağlantıda yüksek hassasiyet
- Uç genişliğinin yarısı kadar kesme derinliği (ap) kullanma, uçlardan tam olarak faydalanarak talaş kaldırma oranını en üst seviyede tutma imkanı
- Kademeli baralamada kartuşlardan birini eksenden kaçırmak için bir şim kullanılır, böylece radyal kesme derinliği artar ya da ikiye bölünür
- Direkt uçlara yönlendirilmiş içten soğutma sıvısı çıkışları vardır

Ürün çeşitleri

- RB 610 kaba baralama kafaları 6xD kullanım boylarına kadar geleneksel baralama operasyonları için Graflex® tezgah yan bağlantısı ile mevcuttur
- GL ve BA makine yan bağlantıları ile RB 610 kaba baralama kafaları titreşim sönümlemeli Steadyline® düzenekleri ile daha uzun kullanım boyları için tasarlanmıştır.

RB 610 Graflex®



- Graflex®: Ø 39 - 115 mm (Ø 1,535 - 4,528 inç) arası için 4 adet kompakt kaba baralama kafası
- Esnek Graflex® modüler sistem sayesinde işleme operasyonlarınız için Graflex® adaptörler, ara parçalar ve baralama kafaları kullanarak en ideal montajları oluşturabilirsiniz

RB 610 GL ve BA, Steadyline® titreşim sönümleyen çubuklar için



GL



BA

- GL: Ø 28 - 69 mm (Ø 1,102 - 2,717 inç) arası işleme için 4 adet kısa ve kompakt kaba baralama kafası
- BA: Ø 66 - 116 mm (Ø 1,417 - 2,717 inç) arası işleme için 2 adet kısa ve kompakt kaba baralama kafası
- Steadyline® tornalama ve baralama çubukları için özellikle uyarlanmıştır. Uzun Steadyline® baralarda kullanıldığında baralama performansı, titreşim sönümlemesi olmayan kısa bağlantılar ile benzerdir (<6xD).

RB 610 Kaba baralama kafaları – Rehber

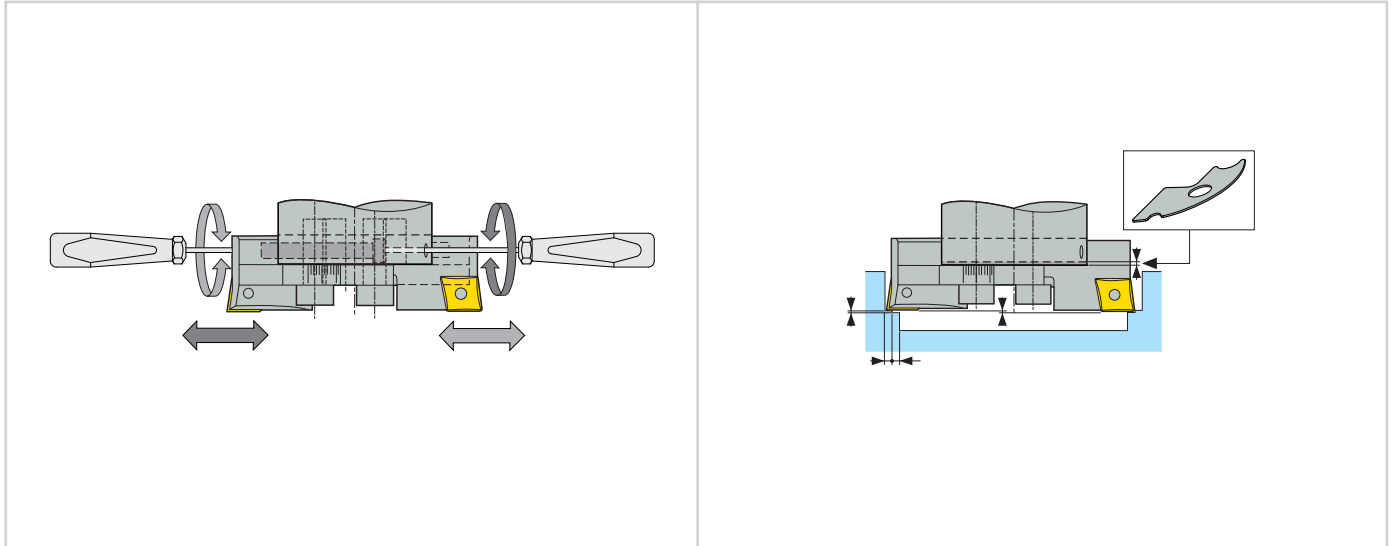
Simetrik baralamayı ayarlama:

Simetrik baralama her iki kesme kenarının da aynı çapta ve boyda ayarlanmış olduğu anlamına gelir.

Kademeli baralamayı ayarlama:

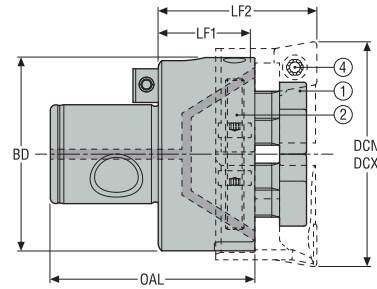
Kademeli baralama, bir kesme kenarının oluşturulacak çaptaki ikinci kenardan daha küçük bir çapta çalışan bir giriş kesme kenarı olarak (önce deliğe girer) ayarlandığı anlamına gelir. Baralama gövdesi ile kartuş arasındaki aksel (+) kaçıklığı sağlamak için bir şim gereklidir ve bu şim teslimatta gövde ile birlikte gelir, aşağıdaki tabloya bakınız.

Şim Parça No.	Kalınlık (mm)	Kalınlık (inç)
AU6101003	0,2	0.008
AU6103003	0,4	0.016
AU6104003	0,5	0.020
AU6105003	0,6	0.024
AU6106003	0,6	0.024



RB610

Graflex®



- Simetrik ve kademeli baralama mümkün.
- Tek kartuş ayar mekanizması
- Kesme kenarına doğru içten gelen soğutma sıvısı

1. Montaj vidası ve anahtar
- 2 & 4. Çap ayarı ve uç sıkma vidası için anahtar

Ürün Tanımı	Ürün numarası	Tezgah fener mili tarafı Graflex ebatı	İş parçası tarafı Kapasite		OAL	LF1	LF2	BD	Ağırlık	Maks. RPM*
			DCN-DCX Ø	Kapasite						
			mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	kg lb	
A61030	02904453	G3	39,0 1.535	51,0 2.008	43,5 1.713	23,5 0.925	36,4 1.433	34,0 1.339	0,18 0.400	7500
A61040	02904454	G4	50,0 1.969	65,0 2.559	45,5 1.791	21,5 0.846	35,3 1.390	43,0 1.693	0,27 0.600	5700
A61050	02904455	G5	64,0 2.520	86,0 3.386	55,0 2.165	25,0 0.984	42,3 1.665	54,0 2.126	0,54 1.190	4500
A61060	02904457	G6	85,0 3.346	115,0 4.528	69,0 2.717	29,0 1.142	47,8 1.882	63,0 2.480	0,93 2.050	3500

Kartuşlar ayrıca sipariş edilmelidir, bakınız sayfa 575

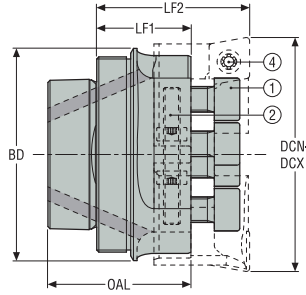
* Maks. RPM için, Talimatlar sayfalarına bakınız. Not, kartuş ağırlığı dahil değildir.

Yedek parçalar

Şu kafa için	Montaj vidası	Anahtar	Anahtar sapı (T-şekil)	Şim, kademeli baralama	Kama
A61030	950DC0616	03HL05	DOUBLE-T	AU6103003	90M31
A61040	950D0616	03HL05	DOUBLE-T	AU6104003	90M41
A61050	950D0820	03HL06	DOUBLE-T	AU6105003	90M51
A61060	950D0822	03HL06	DOUBLE-T	AU6106003	90M61

RB610 Kompakt

GL



1. Montaj vidası ve anahtarı
2 & 4. Çap ayarı ve uç sıkma vidası için anahtar

- GL25, GL32, GL40 ve GL50 Steadyline® torlama ve baralama için tasarlanmıştır.
- Simetrik ve kademeli baralama mümkün.
- Tek kartuş ayar mekanizması
- Kesme kenarına doğru içten gelen soğutma sıvısı

Ürün Tanımı	Ürün numarası	Tezgah fener mili tarafı GL ebatı	İş parçası tarafı Kapasite		OAL	LF1	LF2	BD	Ağırlık	Maks. RPM*
			mm Inç	mm Inç						
GL25-RB610-10	03307854	GL25	28,0 1.102	37,0 1.457	21,7 0.854	16,2 0.638	25,0 0.984	25,0 0.984	0,1 0.220	9500
GL32-0610-20	02904458	GL32	36,0 1.417	46,0 1.811	27,6 1.087	21,1 0.831	32,0 1.260	32,0 1.260	0,1 0.220	7500
GL40-0610-30	02904459	GL40	45,0 1.772	56,0 2.205	31,6 1.244	22,1 0.870	35,0 1.378	40,0 1.575	0,2 0.440	5700
GL50-0610-40	02904460	GL50	55,0 2.165	69,0 2.717	33,7 1.327	22,2 0.874	36,0 1.417	50,0 1.969	0,3 0.660	4500

Kartuşlar ayrıca sipariş edilmelidir, bakınız sayfa 575

* Maks. RPM için, Talimatlar sayfalarına bakınız. Not, kartuş ağırlığı dahil değildir.

Yedek parçalar

Şu kafa için	Montaj vidası	Anahtar	Anahtar	Anahtar sapı (T-şekil)	Şim, kademeli baralama
GL25-0610-10	950D0410	03HL03	–	–	AU6101003
GL32-0610-20	950DC0412	03HL03	H4B-T07P	DOUBLE-T	AU6102003
GL40-0610-30	950DC0616	03HL05	–	DOUBLE-T	AU6103003
GL50-0610-40	950D0616	03HL05	–	DOUBLE-T	AU6104003

Giriş

Delme

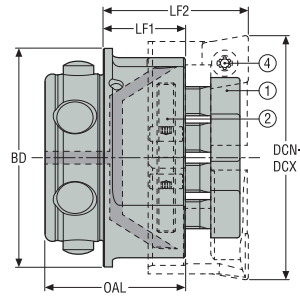
Raybalama

Baralama

Ek

RB610

BA



- BA60 ve BA80 Steadyline® torulama ve baralama için tasarlanmıştır.
- Simetrik ve kademeli baralama mümkün.
- Tek kartuş ayar mekanizması
- Kesme kenarına doğru içten gelen soğutma sıvısı

1. Montaj vidası ve anahtar
- 2 & 4. Çap ayarı ve uç sıkma vidası için anahtar

Ürün Tanımı	Ürün numarası	Tezgah fener mili tarafı BA ebatı	İş parçası tarafı Kapasite DCN-DCX Ø		OAL	LF1	LF2	BD	Ağırlık	Maks. RPM*
			mm İnç	mm İnç						
BA060-RB610-50	03204092	BA060	66,0 2.598	88,0 3.465	38,5 1.516	22,5 0.886	39,8 1.567	60,0 2.362	0,8 1.760	4000
BA080-RB610-60	03204093	BA080	86,0 3.386	116,0 4.567	44,5 1.752	22,5 0.886	39,8 1.567	80,0 3.150	1,1 2.430	3000

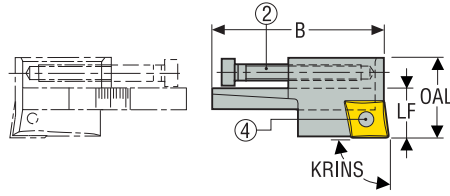
Kartuşlar ayrıca sipariş edilmelidir, bakınız sayfa 575

* Maks. RPM için, Talimatlar sayfalarına bakınız. Not, kartuş ağırlığı dahil değildir.

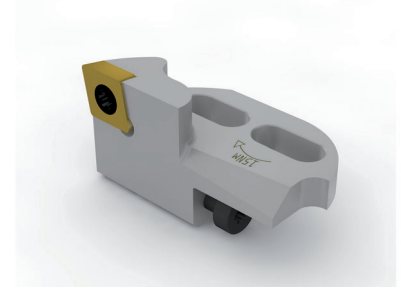
Yedek parçalar

Şu kafa için	Anahtar	Sıkma vidası	Anahtar sapı (T-şekil)	Şim, kademeli baralama
BA060-RB610-50	03HL06	950D0820	DOUBLE-T	AU6105003
BA080-RB610-60	03HL06	950D0822	DOUBLE-T	AU6106003

Kartuşlar




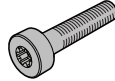
2. Ayar vidası
4. Uç vidası



- Graflex®, BA veya GL bağlantılı RB 610 baralama kafaları için uygundur

Ürün Tanımı	Ürün numarası	Şu kafa için	İş parçası tarafı Kapasite DCN-DCX Ø		I ₁	LF	B	Ağırlık
			mm Inç	mm Inç				
A61010CC0690	03307856	RB 61010	28,0 1.102	37,0 1.457	-	15,1 0.594	21,75 0.856	0,1 0.220
A61020CC0690	02971268	RB 61020	36,0 1.417	46,0 1.811	10,9 0.429	10,9 0.429	26,0 1.024	0,1 0.220
A61030CC0990	02904461	RB 61030	39,0 1.535	56,0 2.205	12,9 0.508	12,9 0.508	33,0 1.299	0,1 0.220
A61040CC0990	02904462	RB 61040	50,0 1.969	69,0 2.717	13,8 0.543	13,8 0.543	43,8 1.724	0,1 0.220
A61050CC1290	02904463	RB 61050	64,0 2.520	86,0 3.386	17,3 0.681	17,3 0.681	57,4 2.260	0,2 0.440
A61060CC1290	02904464	RB 61060	85,0 3.346	115,0 4.528	18,8 0.740	18,8 0.740	75,0 2.953	0,3 0.660

Yedek parçalar

Şu kartuş için	Uç vidası	Ayar vidası
		
A61010CC0690	C02504-T07P	-
A61020CC0690	C02504-T07P	19A61020
A61030CC0990	C04008-T15P	19A61030
A61040CC0990	C04008-T15P	19A61040
A61050CC1290	C05012-T15P	19A61050
A61060CC1290	C05012-T15P	19A61060

Kaba baralama için tavsiye edilen uçlar için, bakınız sayfa 646
Not: RB 610 kafalar ile birlikte bir uç sıkma anahtarı verilir.

RB 610 Kaba baralama kafaları – Talimatlar

Tavsiye edilen sıkma torkları. Kademeli baralamada maksimum devir başına ilerleme.

RB 610 baralama kafaları boyutu	30	40	50	60
Kartuş sabitlemede kullanılan sıkma vidaları için sıkma torku (Nm)	2 x 25	4 x 25	4 x 40	4 x 40
Kademeli baralamadan f maks. ilerleme oranı mm/dev (inç/dev)	0,4 (0.016)	0,5 (0.020)	0,6 (0.024)	0,6 (0.024)

Önerilen işleme koşulları**Fener mili gücü:**

Kaba baralama yüksek tezgah gücü gerektirdiğinden tezgahın uygun olup olmadığının kontrol edilmesini tavsiye ediyoruz. Güç ihtiyaçlarının azaltılmasında, simetrik ayarlama ile karşılaştırıldığında kademeli baralama bir çözümdür, çünkü aynı toplam kesme derinliği için ilerleme ikiye bölünür. En iyi performans için soğutma sıvısı ile elde edilir (daha yüksek işleme verileri, daha iyi yüzey kalitesi, daha iyi talaş boşaltma, daha uzun uç ömrü).

Ayrıntılı kullanım talimatları için lütfen baralama kafalarının ambalaj içeriğinin parçası olarak ve Steadyline® çubukları ile birlikte sağlanan çalışma talimatlarına başvurun. Bu çalışma talimatları ayrıca www.secotools.com adresinden indirilebilir.

RB 610 kaba baralama kafaları için maksimum hızlar

NOT! Ürün sayfalarında gösterilen maksimum hızlar, baralama kafasının mekanik tasarımına ve balans ayar kalitesine bağlıdır.

Diğer işleme koşulları ile birlikte (örn. iş parçası malzemesi, uç kesme kenarı, çalışma boyu, tezgah fener mili) bu limitler içindeki hızlar seçilmelidir.

Steadyline® baralar ile delik işleme yaparken, belirtilen maks. RPM değerini asla geçmeyin: Steadyline® tornalama ve baralama baraları ile gelen kullanım talimatlarına bakınız.



Hassas baralama

Çok çeşitli delik boyutlarını ve malzemelerini kapsayan Seco'nun hassas baralama ürün aileleri mikronlar halinde hassas ayarlamalar yapılmasına, $Ra < 1$ (RMS 44 mikro/inç) yüzey kalitelerine ulaşılmasına ve IT6 toleransları dahilinde delikler elde edilmesine olanak sağlar. Hassasiyet ve rijitliğe eşit şekilde odaklanan bu ürünler, parça teknik özelliklerinin en zor olduğu durumlarda bile bakımı kolaylaştırır. Steadyline™ titreşim sönümleyici çözümler, uzun takım kullanım boylarının gerekli olduğu derin boyların işlenmesi için daha da fazla tutarlılık sağlamak üzere ürün çeşitlerini tamamlar.

- FB 760 Axiabore tipi hassas baralama kafaları, küçük çaplarda hassasiyet ve yüzey kalitesi için tasarlanmıştır
- FB 620/780/790 radyal hassas baralama kafaları, daha büyük çaplarda (205 mm'ye kadar) en iyi delik geometrilerini sağlamak için tasarlanmıştır

Genel bakış



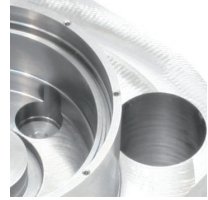
Dış Çap-baralama



Kanal açma

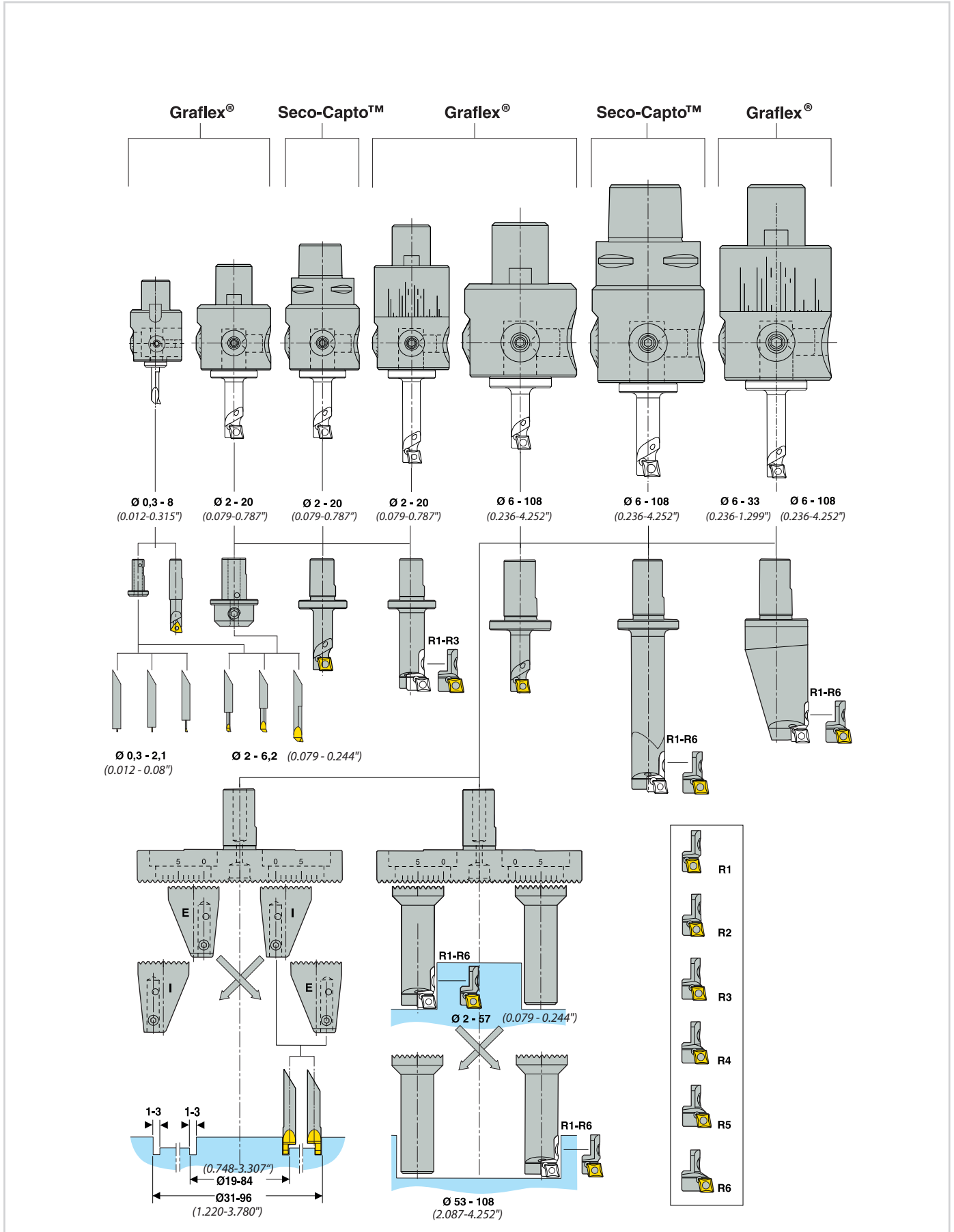


Darbeli kesme baralama



Baralama

Genel bakış

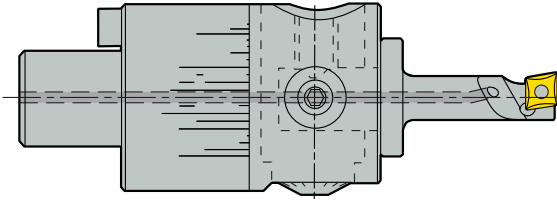


Ø 0,3 - 108 mm (0,012 - 4,252 inç) arası delikler için Axiabore™ tipi hassas baralama kafaları

Axiabore™ tipi kafa, bir gövdenin (kafa) ve takımın birleşimidir.

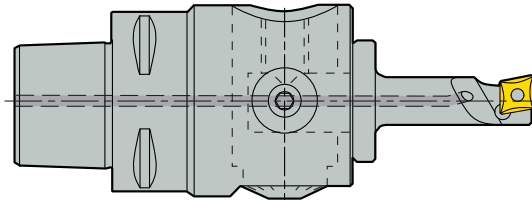
Axiabore™ tip kafa seçimi	Ø Kapasitesi (mm)	Kapasite Ø inç	HSM/ Maks. hızlar	Delik geometrisi	Maliyet etkili	Çok amaçlı
Nanobore™ A760 01	0,3-8	0.012-0.315"	30000 RPM	■ ■	■ ■	
Axiabore™ A760 02	2-20	0.079-0.787"	12000 RPM	■	■ ■	
Axiabore™ Plus - A760 03	6-108	0.236-4.252"	8000* RPM veya 1000 m/dak.	■	■ ■ ■	■ ■ ■
Axiabore™ Plus C5-391.0760-03	6-108	0.236-4.252"	8000* RPM	■	■ ■ ■	■ ■ ■
Axialibrabore™ Plus - A760 13	6-33	0.236-1.299"	20000 RPM veya 1500 m/dak.	■ ■	■	

Axiabore™ tip kafalar Graflex® veya Seco-Capto™ bağlantısı ile mevcuttur: Ø 0,3 - 108 mm (0,012 - 4,252 inç) arası delikler için Graflex® bağlantılı 5 çeşit Axiabore™ FB 760 hassas baralama kafası



Nanobore™ A760 01
Axiabore™ A760 02
Axialibrabore™ A760 12
Axiabore™ Plus - A760 03
Axialibrabore™ Plus - A760 13

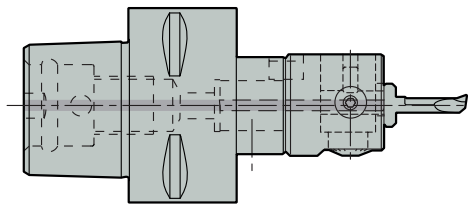
Şu delikler için Seco-Capto™ bağlantılı 2 çeşit Axiabore™ FB 760 hassas baralama kafası: Ø 2 - 108 mm (0,079 - 4,252 inç)



Axiabore™ C3-391.0760-02
Axiabore™ Plus- C5-391.0760-03

NOT! Seco-Capto™ bağlantılı en küçük hassas baralama kafası Ø 2 mm'dir (0,079 inç) ve mevcut en küçük Seco-Capto™ C3 bağlantıya sahiptir. Ø 0,3 - 8 mm (0,012-0,315 inç) arası için uygun Seco-Capto™/Graflex® adaptör ile birlikte bağlantı ebadı G2 olan Nanobore™ kafası kullanın.

Seco-Capto™ adaptör ve Graflex® kafa: Ø 0,3 - 8 mm (0,012 - 0,315 inç)



Graflex® ve Seco-Capto™ adaptörler ve modüler uzatmalar: Lütfen Takım Tutucular kataloğuna bakın.

NOT! Özellikler, talimatlar (takım bağlantı prosedürü, çap ayarı, MPA montaj prosedürü, maksimum hızlar, tavsiye edilen kesme hızları, sorun giderme), uygun takımlar ve kartuşlar bağlantı tipine bakmaksızın benzer işleme kapasitesindeki 760 hassas baralama kafalarının her iki tipi için aynıdır.

Baralama takımları

Not! Ürün sayfalarında hangi kafalar için hangi takımların uygun olduğu açıkça belirtilmiştir.

Baralama aletleri, solid karbür sap en küçük çaplar için $\varnothing 4$ mm ($\varnothing 0,1574$ inç) $\varnothing 0,3-6,2$ mm ($\varnothing 0,012-0,244$ "), giriş açısı 98° . Nanobore™ ve Axia(libra)bore™ kafalarına uyması için ölçü düşürücü burçlar gerektirir. ISO'ya göre uyum olması için takımların tezgah tarafları açılıdır.

Delik baraları, uç tipi saplar $\varnothing 6, 12$ veya 16 mm ($\varnothing 0,236, 0,472, 0,630$ inç) $\varnothing 6-13$ mm için ($\varnothing 0,236 - 0,512$ inç), kısa takımlar için "çelik" tipi, uzun takımlar için "karbür" tipi. WB..0301.. veya CC..0602.. uçlar için ve 90° giriş açısı. Kafalara doğrudan bağlantı. Sıkma düzlüğü ISO 'ya göre uygundur.

Delik baraları, modüler $13 - 63$ mm ($\varnothing 0,512 - 2,480$ inç) için bir "sap" ve bir "kartuş"tan oluşur. Kısa delikler için "çelik", uzun delikler için "karbür" ve en geniş çaplar için "Hafif / alüminyum" saplar ($\varnothing 12$ veya 16 mm ($\varnothing 0,472$ ya da $0,630$ inç)) kullanılır. Kafalara doğrudan bağlantı.

CC..0602.. uçlar ve 90° giriş açısı için altı kartuş, bilinen bir sapta geniş baralama kapasitesi oluşturmak için tüm saplar ile uyumludur.

Çok amaçlı adaptör (MPA)

Axiabore™ Plus - kafasında yüzey kanal açmanın yanı sıra baralama ve Dış Çap-baralama için MPA. MPA ve takımlar, hassas yönlendirme ve konumlandırma artışları için (çapta $2,5$ mm ($0,098$ inç)) tırtıllı yüzeye sahiptir. Soğutma sıvısını yönlendirmek için bir memesi vardır.

MPA takım seçimi tablolarında MPA tipi takım oluşturmak için bileşenleri seçin. Montaj ayrıntıları için talimatlar bölümüne bakınız.

Baralama veya Dış Çap-tornalama montajı ayarı.

Baralama ve Dış Çap-tornalama montajları, kartuş ve denge ağırlığı donanımlı aynı sapı kullanır. Baralama montajı: Baralama/Dış Çap-tornalama sapına monte edilecek uygun kartuşu "MPA ile Baralama" kartuş seçimi tablosunu kullanarak seçin (ilgili Ürün sayfalarının bir parçasıdır).

Dış Çap-tornalama montajı: Baralama/Dış Çap-tornalama sapına monte edilecek uygun kartuşu "MPA ile Dış Çap-tornalama" kartuş seçimi tablosunu kullanarak seçin (ilgili Ürün sayfalarının bir parçasıdır). Montaj ayrıntıları için talimatlar bölümüne bakınız.

Kanal açma montajı oluşturma

Kanal açma montajı için gerekenler:

- Bir çift kanal açma takım tutucu (bir E="Harici" ve bir I="Dahili")
- Bir kanal açma takımı "Malafanın dibine" veya "Deliğin dibine". Kanal bir çıkıntının dibinde değilse ya da duvara karşı olmadığında, her iki tip takım da uygundur. "MPA ile kanal açma için Kanal Takımı" bölümündeki seçeneklere bakın

Özellikler

NanoBore™ kafa, Parça no. A76001



Hassas baralama için ultra küçük kafa \varnothing 0,3 - 8 mm (\varnothing 0,012 - 0,315 inç):

Dış çap 25 mm (0,984 inç), uzunluk 25 mm (0,984 inç), Graflex® bağlantı boyutu G2, takım bağlantı parçası \varnothing 6 mm (\varnothing 0,236 inç) ile. 30.000 RPM değerine kadar çalışma hızları çok küçük çapların performanslı bir şekilde işlenmesini sağlar.

Yönlendirme için düz kısmı olan 6 - 4 mm (0,236 - 0,157 inç) ölçü düşürücü burç ve solid baralama takımlarını bağlamak için kullanılan pim, kafa ile teslim edilir.

AxiaBore™ kafa, Parça No. A76002



Hassas baralama için küçük kafalar \varnothing 2 - 20 mm (\varnothing 0,079 - 0,787 inç):

Dış çap 36,5 mm (1,401 inç), uzunluk 32 mm (1,260 inç), Graflex® bağlantı boyutu G3 ve Seco-Capto™ bağlantı boyutu C3, takım bağlantısı \varnothing 12 mm (\varnothing 0,472 inç). Bu kafa boyutları, erişilmesi zor delikler için optimize edilmiştir.

Yönlendirme için düz kısmı olan 12 - 4 mm (0,472 - 0,157 inç) ölçü düşürücü burç ve solid baralama takımlarını bağlamak için kullanılan pim, kafa ile teslim edilir.

NOT! Daha küçük Nanobore™ takımlar da (0,3 - 2,1 mm (0,012 - 0,083 inç)) bağlanabilir ancak işleme hızı 12.000 RPM ile sınırlıdır. NanoBore® kafa tercih edilmelidir.

Axiabore™ Plus - kafa, Parça No. A76003 ve C5-391.0760-03



Hassas baralama için çok amaçlı kafalar \varnothing 6 - 108 mm (\varnothing 0,236 - 4,252 inç), Dış Çap baralama \varnothing 2 - 57 mm (\varnothing 0,079 - 2,244 inç) ve kanal açma \varnothing 19 - 96 mm (\varnothing 0,748 - 3,780 inç):

Dış çap 54 mm (\varnothing 2,126 inç), uzunluk 45 mm (\varnothing 1,772 inç), Graflex® bağlantı boyutu 5 ve Seco-Capto™ bağlantı boyutu 5, takım bağlantı parçası \varnothing 16 mm (\varnothing 0,630 inç).

Uygun takımlar: \varnothing 16 mm (\varnothing 0,630 inç) sapa sahip tüm takımlar, kafalara doğrudan bağlantı için.

Bu kafa ayrıca MPA (çok amaçlı adaptör) takılabilecek şekilde tasarlanmıştır ve böylece büyük çaplarda hassas baralama, Dış Çap-tornalama ve yüzey kanal açma operasyonları yapılabilir.

Axialibrabore™ Plus - kafa, Parça No. A76013



Hassas baralama için balans ayarlanabilir kafa \varnothing 6 - 33 mm (\varnothing 0,236 - 1,299 inç):

Axiabore™ Plus - kafa ile aynı özelliklere sahiptir, hassas balans ayarlama özelliği de mevcuttur (gövde boyu 65 mm (2,559 inç)).

Graflex® G5 bağlantı ebadı ile.

Balansı hassas ayarlanabilir kafalar 20 000 RPM veya 1500 m/dak (bu değerler aşılmadan hangisine daha erken ulaşırsa) değerlerine kadar daha yüksek hızlara olanak sağlar, delik geometrisini iyileştirir ve tezgah fener mili stresini azaltır.

"LibraOne" balans ayarlama, kademeli balans ayarlama halkası baralama kafasındaki işarete uygun biçimde (kullanılan takımın balans ayarlama koduna ve delinecek çapa göre) ayarlanarak gerçekleştirilir. Tabloya gerek yoktur.

Hassas balans ayarlama yalnız en küçük baralama takımları için mümkündür (\varnothing 6 - 33 mm (\varnothing 0,236 - 1,299 inç)).

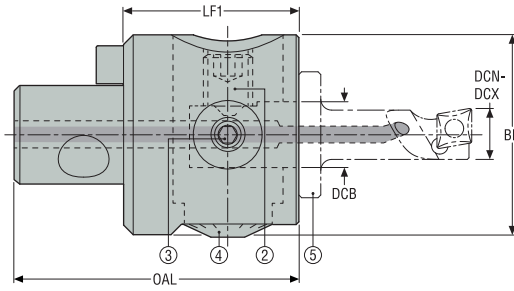
NOT! Axiabore™ Plus -kafadan -Axialibrabore™

Plus -kafaya daha büyük bir "Alu" veya bir "MPA" takımı kullanılıyorsa hassas balans ayarlama mümkün değildir ve balans ayarlama halkası kafanın ön balans konumuna ayarlanmalıdır (gerçekleştirilecek operasyona bağlı olarak, talimatlar bölümüne bakın).

Maksimum hız - Axiabore™ Plus - için olanla aynı olur.

FB 760 – Axiabore™ tip kafalar, balansı ayarlanamaz

Graflex®



2. Montaj vidası
3. Sıkma vidası
4. Mikrometrik ayarlama vidası
5. Takım



- Mikrometrik ayarlama ile (çapta artış 0,01 mm ve verniyer 2,5 µm).
- Axiabore™ Plus - Dış-Çap baralama ve yüzey kanal açmanın yanı sıra baralamaya da olanak sağlar.

Ürün Tanımı	Ürün numarası	Tezgah fener mili tarafı Graflex ebatı	İş parçası tarafı		*	OAL	LF1	BD	DCB	Ağırlık	Maks. kullanma hızı**		***
			Kapasite	DCN-DCX Ø							Maks. RPM**	Max. m/dak.**	
			mm Inç	mm Inç		mm Inç	mm Inç	mm Inç	mm Inç	kg lb			
A76001	02462575	G2	0,3 0.012	8,0 0.315	-	41,0 1.614	25,0 0.984	25,0 0.984	6,0 0.236	0,1 0.220	30000	1500,0	-
A76002	02594930	G3	2,0 0.079	20,0 0.787	-	52,0 2.047	32,0 1.260	36,5 1.437	12,0 0.472	0,29 0.640	12000	1500,0	-
A76003	02594935	G5	6,0 0.236	108,0 4.252	*	75,0 2.953	45,0 1.772	54,0 2.126	16,0 0.630	0,82 1.810	8000	1000,0	***

Not, kartuş ağırlığı dahil değildir.

Takımlar için, bakınız sayfa 586-588

*Kapasiteler - Axiabore™ Plus - 6 - 108 mm baralama, 2 - 57 mm Dış-Çap baralama, 19 - 96 mm yüzey kanal açma için kafa (0.748-3.780").

**Maks. hız, ikisinden birini aşmadan hangisine erken ulaşırsa.

***MPA kullanırken maks. 5000 rpm.

Yedek parçalar

Şu kafa için	Montaj vidası	Anahtar sapı (T-şekil)	Anahtar	Sıkma vidası	Ölçü düşürücü burç	Tapa	Kama
A76001	-	DOUBLE-T	H4B-H2.0	19M4001A	05A7600604	950A0406	90M21
A76002	AU7601212	-	03M03C	19A71030	05A7601204	-	90M3A
A76003	AU7601312	DOUBLE-T	H6B-H4.0L	19A71008125	-	-	90M5A

Aksesuarlar

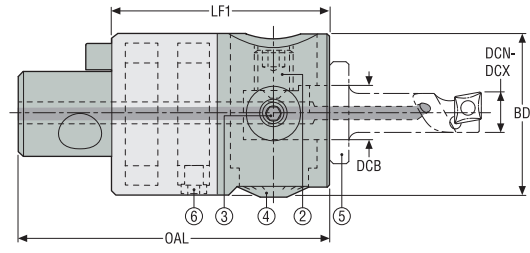
Şu kafa için	Büyüteç	Saklama çantası	Tork anahtarı 1	Tork anahtarı 2
A76001	935L01	-	-	H00-2009
A76002	-	42M06	-	H00-3030
A76003	-	42M07	H00T-4060	Aksesuarlar, ayrıca sipariş edilmelidir

Tork anahtarı 1 = kitleme vidası için denge halkası

Tork anahtarı 2 = kitleme ve montaj vidaları için

FB 760 – Axiabore™ tip kafalar, balansı ayarlanabilir

Graflex®



- Tek balans ayarlama ayar halkasını temel alan LibraOne yerleşik balans ayarlama sistemi.
- Mikrometrik ayarlama ile (çapta artış 0,01 mm ve verniyer 2,5 µm).

2. Montaj vidası
3. Sıkma vidası 1
4. Mikrometrik ayarlama vidası
5. Takım
6. Sıkma vidası 2

Ürün Tanımı	Ürün numarası	Tezgah fener mili tarafı Graflex ebatı	İş parçası tarafı		*	OAL	LF1	BD	DCB	Ağırlık	Maks. kullanma hızı**	
			Kapasite	DCN-DCX Ø							Maks. RPM**	Max. m/dak.**
A76013	02594943	G5	6,0 Inç	33,0 Inç	*	95,0 3.740	65,0 2.559	54,0 2.126	16,0 0.630	1,16 2.560	20000	1500,0

Not, kartuş ağırlığı dahil değildir.

Takımlar için, bakınız sayfa 586-588

*Kapasiteler - Axialibrabore™ Plus - kafa, balansı ayarlı.

**Maks. hız, ikisinden birini aşmadan hangisine erken ulaşırsa.

Yedek parçalar

Şu kafa için	Montaj vidası	Anahtar sapı (T-şekil)	Anahtar	Sıkma vidası 1	Sıkma vidası 2	Kama
A76013	AU7601312	DOUBLE-T	H6B-H4.0L	19A71008125	AU7601318	90M5A1

Aksesuarlar

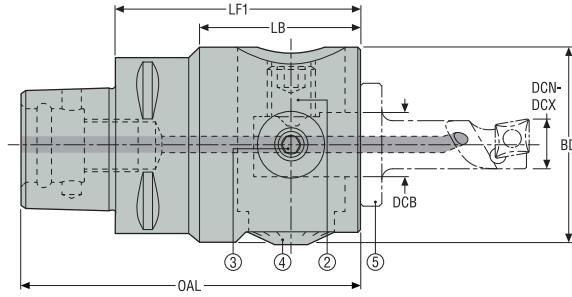
Şu kafa için	Saklama çantası	Tork anahtarı 1	Tork anahtarı 2
A76013	42M07	H00-4020-60	H00T-4060

Tork anahtarı 1 = kitleme vidası için denge halkası
Tork anahtarı 2 = kitleme ve montaj vidaları için

Aksesuarlar, ayrıca sipariş edilmelidir

FB 760 – Axiabore™ tip kafalar

Seco-Capto™



2. Montaj vidası
3. Sıkma
4. Mikrometrik ayarlama vidası
5. Takım



- Mikrometrik ayarlama ile (çapta artış 0,01 mm ve verniyer 2,5 µm).
- Axiabore™ Plus - Dış-Çap baralama ve yüzey kanal açmanın yanı sıra baralamaya da olanak sağlar.

Ürün Tanımı	Ürün numarası	Tezgah fener mili tarafı	İş parçası tarafı		Kapasite	*	OAL	LF1	LB	BD	DCB	Ağırlık	Maks. kullanma hızı**	
			mm İnç	mm İnç									Maks. RPM**	Max. m/dak.**
C5-391.0760-03	02822777	C5	6,0 0.236	108,0 4.252	*		95,0 3.740	65,0 2.559	44,0 1.732	54,0 2.126	16,0 0.630	1,12 2.470	8000	1500,0

Not, kartuş ağırlığı dahil değildir.
Takımlar için, bakınız sayfa 586-588
*MPA kullanırken maks. 5000 rpm.

**Kapasiteler - Axiabore™ Plus - 6 - 108 mm baralama, 2 - 57 mm Dış-Çap baralama, 19 - 96 mm yüzey kanal açma için kafa (0.748-3.780').

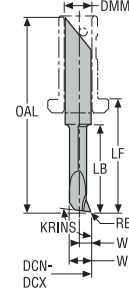
Yedek parçalar

Aksesuarlar

Şu kafa için	Montaj vidası	Anahtar sapı (T-şekil)	Anahtar	Sıkma vidası	Tork anahtarı 2
C5-...-03	AU7601312	DOUBLE-T	H6B-H4.0L	19A71008125	H00-3030

Tork anahtarı 2 = kilitleme ve montaj vidaları için
Aksesuarlar, ayrıca sipariş edilmelidir

FB 760 kafalar için Baralama takımları, solid karbür



- KRINS 98°
- Kesme kenarı uyumu ISO'ya göredir.
- Takımın yanından soğutma sıvısı.

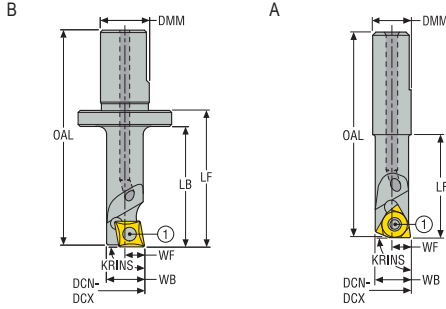
Ürün Tanımı	Ürün numarası	Takım malzemesi*	Şu kafa için	Kapasite DCN-DCX		OAL	LB	LF	DMM	WB	WF	RE	Tavsiye edilen kesme verisi** a _p	Tavsiye edilen kesme verisi** f	Ağırlık	Balans ayarı kodu
				mm İnç	mm İnç								mm İnç	mm İnç		
A761402	02462579	Solid karbür	FB 76001	0,3 0.012	0,6 0.024	30,7 1.209	1,2 0.047	15,5 0.610	4,0 0.157	0,25 0.010	0,1 0.004	0,0 -	0,02 0.001	0,01 0	0,01 0.020	-
A761412	02462581	Solid karbür	FB 76001	0,5 0.020	1,1 0.043	30,7 1.209	2,0 0.079	15,5 0.610	4,0 0.157	0,45 0.018	0,2 0.008	0,0 -	0,02 0.001	0,01 0	0,01 0.020	-
A761422	02462583	Solid karbür	FB 76001	1,0 0.039	2,1 0.083	30,7 1.209	5,0 0.197	15,5 0.610	4,0 0.157	0,95 0.037	0,45 0.018	0,1 0.004	0,03 0.001	0,02 0.001	0,01 0.020	-
A761432	02462584	Solid karbür	FB 76001/02/12	2,0 0.079	3,2 0.126	30,7 1.209	8,0 0.315	15,5 0.610	4,0 0.157	1,8 0.071	0,88 0.035	0,1 0.004	0,05 0.002	0,02 0.001	0,01 0.020	E13
A761442	02462586	Solid karbür	FB 76001/02/12	3,0 0.118	4,7 0.185	30,7 1.209	10,0 0.394	15,5 0.610	4,0 0.157	2,75 0.108	1,35 0.053	0,15 0.006	0,06 0.002	0,03 0.001	0,01 0.020	E14
A761452	02462587	Solid karbür	FB 76001/02/12	4,5 0.177	6,2 0.244	35,7 1.406	15,0 0.591	20,5 0.807	4,0 0.157	3,95 0.156	1,95 0.077	0,15 0.006	0,08 0.003	0,03 0.001	0,01 0.020	E15

*4 mm çapında sapa sahip bu takımlar uygun kafalar ve kitlelerle birlikte teslim edilen ölçü düşürücü burcun kullanılmasını gerektirir.

**Kesme hızı için, bakınız sayfa 650-653

***+0,1 mm ek kapasiteye erişilebilir.

FB 760 kafalar için Delik baraları, uçlu tip



1 = Uç vidası



- Kesme kenarı uyumu ISO'ya göredir.
- İçten soğutma sıvısı.
- Tüm takımlar için yalnız iki uç ebadı.
- Tool material * = Steel, indexable insert type
- Tool material ** = Carbide, indexable insert type
- KRINS 90°

Ürün Tanımı	Ürün numarası	Takım malzemesi	Şu kafa için	** Kapasite		OAL	LB	LF	DMM	WB	WF	Ağırlık	Ta-sarım	Uygun uç ebadı	Balans ayarı kodu
				DCN-DCX Ø	mm										
A762001	02462590	*	FB 76001	6,0 0.236	8,0 0.315	31,7 1.248	0,0 0.000	16,0 0.630	6,0 0.236	5,5 0.217	2,9 0.114	0,01 0.020	A	WB..0301..	-
A762002	02594947	*	FB 76002/12	6,0 0.236	8,0 0.315	39,7 1.563	16,0 0.630	20,0 0.787	12,0 0.472	5,5 0.217	2,9 0.114	0,03 0.070	B	WB..0301..	S21
A762003	02594967	*	FB 76003/13	6,0 0.236	8,0 0.315	50,2 1.976	16,0 0.630	21,0 0.827	16,0 0.630	5,5 0.217	2,9 0.114	0,07 0.150	B	WB..0301..	S31
A763002	02594948	*	FB 76002/12	8,0 0.315	10,0 0.394	45,7 1.799	22,0 0.866	26,0 1.024	12,0 0.472	7,4 0.291	3,9 0.154	0,04 0.090	B	WB..0301..	S22
A763003	02594968	*	FB 76003/13	8,0 0.315	10,0 0.394	56,2 2.213	22,0 0.866	27,0 1.063	16,0 0.630	7,4 0.291	3,9 0.154	0,08 0.180	B	WB..0301..	S32
A765002	02594957	*	FB 76002/12	10,0 0.394	13,0 0.512	53,5 2.106	30,0 1.181	34,0 1.339	12,0 0.472	9,35 0.368	4,8 0.189	0,04 0.090	B	CC..0602..	S23
A765003	02594969	*	FB 76003/13	10,0 0.394	13,0 0.512	64,0 2.520	30,0 1.181	35,0 1.378	16,0 0.630	9,35 0.368	4,8 0.189	0,08 0.180	B	CC..0602..	S33
A762201	02462591	**	FB 76001	6,0 0.236	8,0 0.315	41,7 1.642	0,0 0.000	26,0 1.024	6,0 0.236	5,5 0.217	2,9 0.114	0,02 0.040	A	WB..0301..	-
A762202	02594958	**	FB 76002/12	6,0 0.236	8,0 0.315	50,7 1.996	27,0 1.063	31,0 1.220	12,0 0.472	5,5 0.217	2,9 0.114	0,06 0.130	B	WB..0301..	E21
A762203	02594970	**	FB 76003/13	6,0 0.236	8,0 0.315	61,2 2.409	27,0 1.063	32,0 1.260	16,0 0.630	5,5 0.217	2,9 0.114	0,13 0.290	B	WB..0301..	E31
A763202	02594961	**	FB 76002/12	8,0 0.315	10,0 0.394	60,7 2.390	37,0 1.457	41,0 1.614	12,0 0.472	7,4 0.291	3,9 0.154	0,07 0.150	B	WB..0301..	E22
A763203	02594971	**	FB 76003/13	8,0 0.315	10,0 0.394	71,2 2.803	37,0 1.457	42,0 1.654	16,0 0.630	7,4 0.291	3,9 0.154	0,14 0.310	B	WB..0301..	E32
A765202	02594962	**	FB 76002/12	10,0 0.394	13,0 0.512	78,5 3.091	55,0 2.165	59,0 2.323	12,0 0.472	9,35 0.368	4,8 0.189	0,09 0.200	B	CC..0602..	E23
A765203	02594972	**	FB 76003/13	10,0 0.394	13,0 0.512	89,0 3.504	55,0 2.165	60,0 2.362	16,0 0.630	9,35 0.368	4,8 0.189	0,17 0.370	B	CC..0602..	E33

Yedek parçalar

Şu uç ebadı için

Uç vidası



WB..0301..

C02035-T06P

CC..0602..

C02504-T07P

Aksesuarlar

Anahtar



H4B-T06P

H4B-T07P

Anahtar sapı (T-şekil)



DOUBLE-T

DOUBLE-T

***+0,2 mm ek kapasite elde edilebilir.

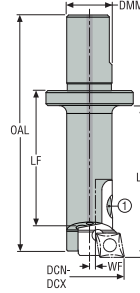
Aksesuarlar, ayrıca sipariş edilmelidir

FB 760 kafalar için, Modüler hassas delik baraları için saplar

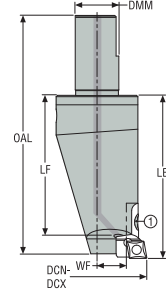


- Birbiriyle değiştirilebilir kartuşlar ile çeşitli kapasiteler elde edilebilir.
- Kısa baralar için 'çelik', uzun baralar için 'karbür', geniş baralar için 'alüminyum' sap tipi.
- İçten soğutma sıvısı.

A



B



1 = Sıkma vidası

Ürün Tanımı	Ürün numarası	Modüler baralama sap tipi	Şu kafa için	** Kapasite		OAL	LB	LF	DMM	WF	Ağırlık	Tasarım	***
				DCN-DCX Ø	mm								
A760S20	02594963	Çelik	FB 76002/12	13,0 0.512	20,0 0.787	62,5 2.461	40,0 1.575	34,0 1.339	12,0 0.472	1,4 0.055	0,06 0.130	A	
A760S30	02594973	Çelik	FB 76003/13	13,0 0.512	18,0 0.709	73,0 2.874	40,0 1.575	35,0 1.378	16,0 0.630	1,4 0.055	0,1 0.220	A	
A760S31	02594974	Çelik	FB 76003/13	18,0 0.709	33,0 1.299	83,0 3.268	50,0 1.969	45,0 1.772	16,0 0.630	3,9 0.154	0,13 0.290	A	
A760E20	02594964	Karbür	FB 76002/12	13,0 0.512	20,0 0.787	82,5 3.248	60,0 2.362	54,0 2.126	12,0 0.472	1,4 0.055	0,2 0.440	A	
A760E30	02594965	Karbür	FB 76003/13	13,0 0.512	18,0 0.709	103,0 4.055	70,0 2.756	65,0 2.559	16,0 0.630	1,4 0.055	0,21 0.460	A	
A760E31	02594966	Karbür	FB 76003/13	18,0 0.709	33,0 1.299	113,0 4.449	80,0 3.150	75,0 2.953	16,0 0.630	3,9 0.154	0,3 0.660	A	
A760A32	02594977	Alüminyum	FB 76003/13	33,0 1.299	48,0 1.890	88,0 3.465	60,0 2.362	50,0 1.969	16,0 0.630	11,5 0.453	0,14 0.310	B	***
A760A33	02594978	Alüminyum	FB 76003/13	48,0 1.890	63,0 2.480	108,0 4.252	80,0 3.150	70,0 2.756	16,0 0.630	19,0 0.748	0,34 0.750	B	***

Yedek parçalar

Şu kafa için

Sıkma vidası



A76002/12

C04008-T15P

A76003/13

C04008-T15P

A76003

C04008-T15P

Aksesuarlar

Anahtar sapı (T-şekil)



DOUBLE-T

DOUBLE-T

DOUBLE-T

**+0,2 mm ek kapasite elde edilebilir.

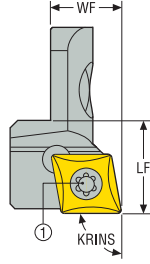
*** A760 13 üzerinde kullanıldığında hassas balans ayarı mümkün değildir.

Seçim tablosunu kullanarak gerekli sap ve kartuş bileşim(ler)ini seçmek için, bakınız sayfa 590.

Not, kartuş ağırlığı dahil değildir.

Aksesuarlar, ayrıca sipariş edilmelidir

Modüler hassas delik baraları için kartuşlar, FB 760 kafalar için



1 = Uç vidası



- Tüm baralama (ve Dış Çap-baralama) sapları için uygun tek bağlantı ebadı.
- Tüm kartuşlar için bir uç ebadı.

Ürün Tanımı	Ürün numarası	LF		WF*		Ağırlık	Uygun uç ebadı	KRINS°
		mm	İnç	mm	İnç			
A765R1	02594979	10,0	0.394	4,95	0.195	0,01 0.020	CC..0602..	90
A765R2	02594983	10,0	0.394	6,2	0.244	0,01 0.020	CC..0602..	90
A765R3	02594984	10,0	0.394	7,45	0.293	0,01 0.020	CC..0602..	90
A765R4	02594987	10,0	0.394	8,7	0.343	0,01 0.020	CC..0602..	90
A765R5	02594989	10,0	0.394	9,97	0.393	0,01 0.020	CC..0602..	90
A765R6	02594990	10,0	0.394	11,2	0.441	0,01 0.020	CC..0602..	90

Yedek parçalar

Şu uç ebadı için	Uç vidası
CC...0602...	C02504-T07P

*WF CC..060204 tip uç bağlandıığında.

Seçim tablosunu kullanarak gerekli sap ve kartuş bileşim(ler)ini seçmek için, bakınız sayfa 590.

Aksesuarlar

Anahtar	Anahtar sapı (T-şekil)
H4B-T07P	DOUBLE-T

Aksesuarlar, ayrıca sipariş edilmelidir

Seçim tablosu:

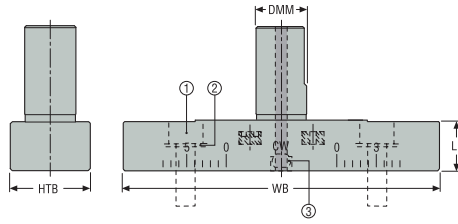
FB 760 kafalar için uygun baralama takımları ve kartuşlar

Şu kafa için	Baralama kapasitesi DCN-DCX		Baralama boyu		Ürün Tanımı		DMM		Uygun uç ebadı	Takım tip
	Ø mm	İnç	LB mm	İnç	Baralama takımı	Kartuş	mm	İnç		
A760 01	0,3-0,6	0.012-0.024	1,2	0.047	A761402	-	4	0.157	-	Solid karbür
	0,5-1,1	0.020-0.043	2	0.078	A761412	-	4	0.157	-	Solid karbür
	1-2,1	0.039-0.083	-	-	A761422	-	4	0.157	-	Solid karbür
	2-3,2	0.079-0.126	8	0.315	A761432	-	4	0.157	-	Solid karbür
	3-4,7	0.118-0.185	10	0.394	A761442	-	4	0.157	-	Solid karbür
	4,5-6,2	0.177-0.244	15	0.591	A761452	-	4	0.157	-	Solid karbür
	6-8	0.236-0.315	16	0.630	A762001	-	6	0.236	WB..0301..	Çelik, uçlu tip
	6-8	0.236-0.315	26	1.024	A762201	-	6	0.236	WB..0301..	Karbür, uçlu tip
A760 02/ A760 12	2-3,2	0.079-0.126	8	0.315	A761432	-	4	0.157	-	Solid karbür
	3-4,7	0.118-0.185	10	0.394	A761442	-	4	0.157	-	Solid karbür
	4,5-6,2	0.177-0.244	15	0.591	A761452	-	4	0.157	-	Solid karbür
	6-8	0.236-0.315	16	0.630	A762002	-	12	0.472	WB..0301..	Çelik, uçlu tip
	6-8	0.236-0.315	27	1.063	A762202	-	12	0.472	WB..0301..	Karbür, uçlu tip
	8-10	0.315-0.394	22	0.866	A763002	-	12	0.472	WB..0301..	Çelik, uçlu tip
	8-10	0.315-0.394	37	1.457	A763202	-	12	0.472	WB..0301..	Karbür, uçlu tip
	10-13	0.394-0.512	30	1.181	A765002	-	12	0.472	CC..0602..	Çelik, uçlu tip
	10-13	0.394-0.512	55	2.165	A765202	-	12	0.472	CC..0602..	Karbür, uçlu tip
	13-15,5	0.512-0.610	40	1.575	A760S20	A765R1	12	0.472	CC..0602..	Çelik Kartuş takılabilen Alüminyum sap
	13-15,5	0.512-0.610	60	2.362	A760E20	A765R1	12	0.472	CC..0602..	Karbür Kartuş takılabilen Alüminyum sap
	15,5-18	0.610-0.709	40	1.575	A760S20	A765R2	12	0.472	CC..0602..	Çelik Kartuş takılabilen Alüminyum sap
	15,5-18	0.610-0.709	60	2.362	A760E20	A765R2	12	0.472	CC..0602..	Karbür Kartuş takılabilen Alüminyum sap
	18-20	0.709-0.787	40	1.575	A760S20	A765R3	12	0.472	CC..0602..	Çelik Kartuş takılabilen Alüminyum sap
	18-20	0.709-0.787	60	2.362	A760E20	A765R3	12	0.472	CC..0602..	Karbür Kartuş takılabilen Alüminyum sap
A760 03/ A760 13	6-8	0.236-0.315	16	0.630	A762003	-	16	0.630	WB..0301..	Çelik, uçlu tip
	6-8	0.236-0.315	32	1.260	A762203	-	16	0.630	WB..0301..	Karbür, uçlu tip
	8-10	0.315-0.394	22	0.866	A763003	-	16	0.630	WB..0301..	Çelik, uçlu tip
	8-10	0.315-0.394	37	1.457	A763203	-	16	0.630	WB..0301..	Karbür, uçlu tip
	10-13	0.394-0.512	30	1.181	A765003	-	16	0.630	CC..0602..	Çelik, uçlu tip
	10-13	0.394-0.512	55	2.165	A765203	-	16	0.630	CC..0602..	Karbür, uçlu tip
	13-15,5	0.512-0.610	40	1.575	A760S30	A765R1	16	0.630	CC..0602..	Çelik Kartuş takılabilen Alüminyum sap
	13-15,5	0.512-0.610	70	2.756	A760E30	A765R1	16	0.630	CC..0602..	Karbür Kartuş takılabilen Alüminyum sap
	15,5-18	0.610-0.709	40	1.575	A760S30	A765R2	16	0.630	CC..0602..	Çelik Kartuş takılabilen Alüminyum sap
	15,5-18	0.610-0.709	70	2.756	A760E30	A765R2	16	0.630	CC..0602..	Karbür Kartuş takılabilen Alüminyum sap
	18-20,5	0.709-0.807	50	1.969	A760S31	A765R1	16	0.630	CC..0602..	Çelik Kartuş takılabilen Alüminyum sap
	18-20,5	0.709-0.807	80	3.150	A760E31	A765R1	16	0.630	CC..0602..	Karbür Kartuş takılabilen Alüminyum sap
	20,5-23	0.807-0.906	50	1.969	A760S31	A765R2	16	0.630	CC..0602..	Çelik Kartuş takılabilen Alüminyum sap
	20,5-23	0.807-0.906	80	3.150	A760E31	A765R2	16	0.630	CC..0602..	Karbür Kartuş takılabilen Alüminyum sap
	23-25,5	0.906-1.00	50	1.969	A760S31	A765R3	16	0.630	CC..0602..	Çelik Kartuş takılabilen Alüminyum sap
	23-25,5	0.906-1.00	80	3.150	A760E31	A765R3	16	0.630	CC..0602..	Karbür Kartuş takılabilen Alüminyum sap
	25,5-28	1.004-1.102	50	1.969	A760S31	A765R4	16	0.630	CC..0602..	Çelik Kartuş takılabilen Alüminyum sap
	25,5-28	1.004-1.102	80	3.150	A760E31	A765R4	16	0.630	CC..0602..	Karbür Kartuş takılabilen Alüminyum sap
	28-30,5	1.102-1.201	50	1.969	A760S31	A765R5	16	0.630	CC..0602..	Çelik Kartuş takılabilen Alüminyum sap
	28-30,5	1.102-1.201	80	3.150	A760E31	A765R5	16	0.630	CC..0602..	Karbür Kartuş takılabilen Alüminyum sap
	30,5-33	1.201-1.299	50	1.969	A760S31	A765R6	16	0.630	CC..0602..	Çelik Kartuş takılabilen Alüminyum sap
	30,5-33	1.201-1.299	80	3.150	A760E31	A765R6	16	0.630	CC..0602..	Karbür Kartuş takılabilen Alüminyum sap
	33-35,5*	1.299-1.398*	60	2.362	A760A32	A765R1	16	0.630	CC..0602..	Kartuş takılabilen Alüminyum sap
	35,5-38*	1.299-1.496*	60	2.362	A760A32	A765R2	16	0.630	CC..0602..	Kartuş takılabilen Alüminyum sap
	38-40,5*	1.496-1.594*	60	2.362	A760A32	A765R3	16	0.630	CC..0602..	Kartuş takılabilen Alüminyum sap
	40,5-43*	1.594-1.693*	60	2.362	A760A32	A765R4	16	0.630	CC..0602..	Kartuş takılabilen Alüminyum sap
	43-45,5*	1.693-1.791*	60	2.362	A760A32	A765R5	16	0.630	CC..0602..	Kartuş takılabilen Alüminyum sap
	45,5-48*	1.791-1.890*	60	2.362	A760A32	A765R6	16	0.630	CC..0602..	Kartuş takılabilen Alüminyum sap
	48-50,5*	1.890-1.988*	80	3.150	A760A33	A765R1	16	0.630	CC..0602..	Kartuş takılabilen Alüminyum sap
	50,5-53*	1.988-2.087*	80	3.150	A760A33	A765R2	16	0.630	CC..0602..	Kartuş takılabilen Alüminyum sap
53-55,5*	2.087-2.185*	80	3.150	A760A33	A765R3	16	0.630	CC..0602..	Kartuş takılabilen Alüminyum sap	
55,5-58*	2.185-2.283*	80	3.150	A760A33	A765R4	16	0.630	CC..0602..	Kartuş takılabilen Alüminyum sap	
58-60,5*	2.283-2.382*	80	3.150	A760A33	A765R5	16	0.630	CC..0602..	Kartuş takılabilen Alüminyum sap	
60,5-63*	2.382-2.480*	80	3.150	A760A33	A765R6	16	0.630	CC..0602..	Kartuş takılabilen Alüminyum sap	

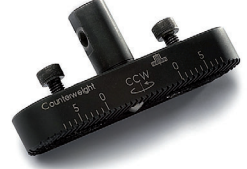
Daha büyük çaplar için Çok Amaçlı Adaptör (MPA) bölümüne bakınız.

* A760 13 üzerinde kullanıldığında hassas balans ayarı mümkün değildir.

FB 760 kafalar için Çok Amaçlı Adaptör (MPA)



1. Montaj vidası
2. Rondela
3. Ayarlanabilir yönlendirme memesi



- Yalnız - Axiabore™ Plus - A760 03 kafa için uygundur*.
- Bir sap ve bir denge ağırlığı (baralama veya Dış Çap-baralama için) veya iki kanal açma takımı tutucusunu (yüzey kanal açma için) tutmak üzere tasarlanmıştır.
- Ayarlanabilir yönlendirme memesi ile içten soğutma sıvısı (3).

Ürün numarası	Ürün Tanımı	Kapasite DCN-DCX Ø						HTB	LF	DMM	WB	Ağırlık
		Şu baralama		Şu için Dış Çap-baralama		Şu Ø için kanal açma						
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg
		İnç	İnç	İnç	İnç	İnç	İnç	İnç	İnç	İnç	İnç	lb
02595014	BDA16BS25100	53,0	108,0	2,0	57,0	31,0	96,0	25,0	16,0	16,0	100,0	0,28
		2.087	4.252	0.079	2.244	1.220	3.780	0.984	0.630	0.630	3.937	0.620

Yedek parçalar

Şu ebat için	Montaj vidası	Rondela
BDA16BS25100	950D0618	940ZC06

Aksesuarlar

Anahtar
03HL05

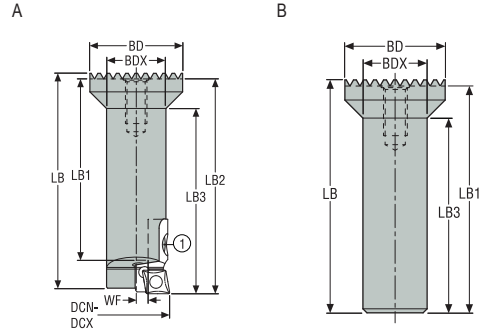
*Axiabore™ Plus - A760 13 kafa üzerinde kullanıldığında hassas balans ayarı mümkün değildir, bakınız sayfa 582
Baralama, Dış Çap-baralama veya kanal açma montajlarında gerekli bileşenleri seçmek için bakınız sayfa 595-606

Aksesuarlar, ayrıca sipariş edilmelidir

FB 760 kafalar için, MPA üzerinde baralama ve Dış Çap-baralama için sap & denge ağırlığı.



- MPA bağlantısı için.
- Sap, baralama ve Dış Çap-baralama için kullanılabilir.
- Modüler baralama sapları ile aynı kartuşları kullanır.



1. Montaj vidası

Ürün numarası	Ürün Tanımı	Tasarım	** Kapasite DCN-DCX Ø				LB	LB1	LB2	LB3	WF	BDX	BD	Ağırlık	Tasarım
			Şu baralama		Şu için Dış Çap-baralama										
			mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	kg lb		
02595019	BAS25MH1660	Sap*	53,0 2.087	108,0 4.252	2,0 0.079	57,0 2.244	58,5 2.303	48,5 1.909	58,5 2.303	50,0 1.969	4,0 0.157	16,0 0.630	25,0 0.984	0,1 0.220	A
02595016	BAS25CW1660	Karşı ağırlık	53,0 2.087	108,0 4.252	2,0 0.079	57,0 2.244	58,0 2.283	56,6 2.228	-	48,5 1.909	-	16,0 0.630	25,0 0.984	0,11 0.240	B

Yedek parçalar

Şu ebat için	Montaj vidası
BAS25MH1660	C04008-T15P
BAS25CW1660	-

Aksesuarlar

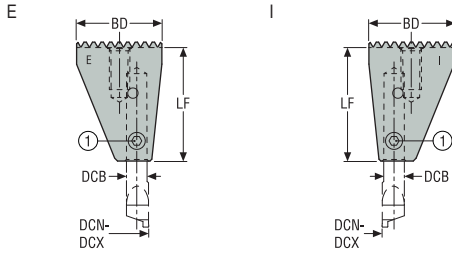
Anahtar sapı (T-şekil)
DOUBLE-T
-

*Kartuşlar ayrıca sipariş edilmelidir, bakınız sayfa 589

**Baralamadaki ve Dış-Çap baralamadaki kapasiteler, 'Baralama veya Dış-Çap baralama için kartuşlar seçim tablosu' kullanılarak saplara ilişkin olarak seçilen kartuşa ve ayar konumu ile ilişkilidir, seçim tablosu için bakınız sayfa 595-606

Aksesuarlar, ayrıca sipariş edilmelidir

FB 760 kafalar için, MPA üzerinde yüzey kanal açma için kanal açma takım tutucuları



1. Sıkma vidası



- MPA bağlantısı için.
- Kanal açma takım tutucusu kanal açma takımını tutmak amacıyla veya denge ağırlığı görevi görmesi için kullanılır.

Ürün numarası	Ürün Tanımı	Tasarım	* Kapasite DCN-DCX Ø		DCB	LF	BD	Ağırlık	Tasarım
			mm Inç	mm Inç					
02595021	BAS25FGI35	Kanal açma takımı tutucusu I (iç)*	19,0 0.748	76,0 2.992	6,0 0.236	35,0 1.378	25,0 0.984	0,1 0.220	I (İç)
02595020	BAS25FGE35	Kanal açma takımı tutucusu E (dış)*	39,0 1.535	96,0 3.780	6,0 0.236	35,0 1.378	25,0 0.984	0,1 0.220	E (Dış)

Yedek parçalar

Şu ebat için

[Locking screw] Sıkma vidası



BAS25FGI35

950L0607T15P

BAS25FGE35

950L0607T15P

Aksesuarlar

Anahtar sapı (T-şekil)



DOUBLE-T

DOUBLE-T

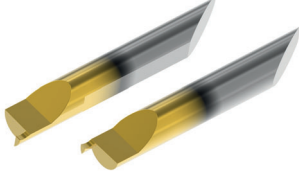
*Kanal açma takımları ayrı olarak sipariş edilmelidir bakınız sayfa 594

* Kanal açmadaki kapasite seçilen kanal açma takımı ve kanal açma takım tutucusunun ayar konumu ve uyumu ile ilişkilidir, 'çıkıntının dibine (veya deliğin dibine) kanal açma takımı seçim tabloları' aracılığıyla seçim için bakınız sayfa 595-606

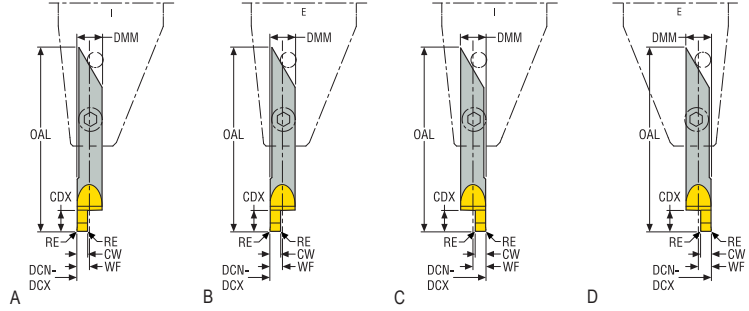
Aksesuarlar, ayrıca sipariş edilmelidir

FB 760 kafalar için

kanal açma takımları



- Kapasiteye bağlı olarak 'dış' veya 'iç' kanal açma takım tutucuları için kullanılabilir.



* Kapasite DCN-DCX Ø

Ürün numarası	Ürün Tanımı	Tasarım	Tasarım A		Tasarım B		Tasarım C		Tasarım D		OAL	CW	RE	DMM	WF	Maks. kanal. **	Ağırlık
			mm	mm	mm	mm	mm	mm	mm	mm							
02595028	AFG0629101582	Çıkıntının dibine	19,0	64,0	39,0	84,0	-	-	-	-	42,0	1,0	0,15	6,0	2,95	2,0	0,07
			0.748	2.520	1.535	3.307					1.654	0.039	0.006	0.236	0.116	0.079	0.150
02595029	AFG0629151582	Çıkıntının dibine	19,0	64,0	39,0	84,0	-	-	-	-	42,0	1,5	0,15	6,0	2,95	3,0	0,07
			0.748	2.520	1.535	3.307					1.654	0.059	0.006	0.236	0.116	0.118	0.150
02595031	AFG0629201582	Çıkıntının dibine	19,0	64,0	39,0	84,0	-	-	-	-	42,0	2,0	0,15	6,0	2,95	5,0	0,07
			0.748	2.520	1.535	3.307					1.654	0.079	0.006	0.236	0.116	0.197	0.150
02595032	AFG0629251582	Çıkıntının dibine	19,0	64,0	39,0	84,0	-	-	-	-	42,0	2,5	0,15	6,0	2,95	5,0	0,07
			0.748	2.520	1.535	3.307					1.654	0.098	0.006	0.236	0.116	0.197	0.150
02595033	AFG0629301582	Çıkıntının dibine	19,0	64,0	39,0	84,0	-	-	-	-	42,0	3,0	0,15	6,0	2,95	6,0	0,07
			0.748	2.520	1.535	3.307					1.654	0.118	0.006	0.236	0.116	0.236	0.150
02595022	AFG0629101581	Delikğin dibine	-	-	-	-	31,0	76,0	51,0	96,0	42,0	1,0	0,15	6,0	2,95	2,0	0,02
							1.220	2.992	2.008	3.780	1.654	0.039	0.006	0.236	0.116	0.079	0.040
02595023	AFG0629151581	Delikğin dibine	-	-	-	-	31,0	76,0	51,0	96,0	42,0	1,5	0,15	6,0	2,95	3,0	0,07
							1.220	2.992	2.008	3.780	1.654	0.059	0.006	0.236	0.116	0.118	0.150
02595024	AFG0629201581	Delikğin dibine	-	-	-	-	31,0	76,0	51,0	96,0	42,0	2,0	0,15	6,0	2,95	4,0	0,07
							1.220	2.992	2.008	3.780	1.654	0.079	0.006	0.236	0.116	0.157	0.150
02595026	AFG0629251581	Delikğin dibine	-	-	-	-	31,0	76,0	51,0	96,0	42,0	2,5	0,15	6,0	2,95	5,0	0,07
							1.220	2.992	2.008	3.780	1.654	0.098	0.006	0.236	0.116	0.197	0.150
02595027	AFG0629301581	Delikğin dibine	-	-	-	-	31,0	76,0	51,0	96,0	42,0	3,0	0,15	6,0	2,95	6,0	0,07
							1.220	2.992	2.008	3.780	1.654	0.118	0.006	0.236	0.116	0.236	0.150

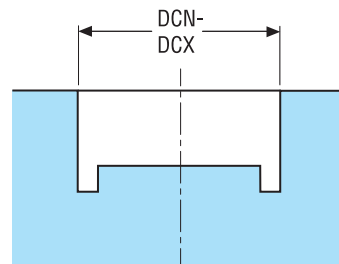
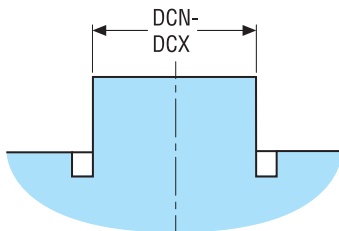
* Kanal açmadaki kapasite seçilen kanal açma takımı ve kanal açma takım tutucusunun ayar konumu ve uyumu ile ilişkilidir, 'çıkıntının dibine (veya delikğin dibine) kanal açma takımı seçim tabloları' aracılığıyla seçim için bakınız sayfa 595-606

** Maks. kanal. derinliği CDX

Yedek parçalar

Kanal açma takımı -çıkıntının dibine-

Kanal açma takımı -delikğin dibine-



Seçim tablosu:

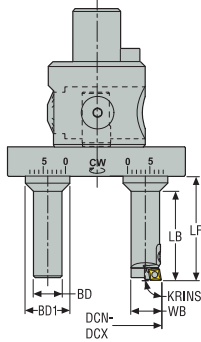
FB 760 kafalar için uygun baralama takımları ve kartuşlar, Metrik

	Kapasite DCN-DCX Ø mm*	Kartuş Parça no.	Sap konumu	Boyutlar/mm					Giriş açısı KRINS°	Uygun uç ebadı
				BD	BD1	LF	LB	WB		
	53-55,5	A765 R1	0	16	25	58,5	50	17	90°	CC..0602..
	55,5-58	A765 R2	0	16	25	58,5	50	18,2	90°	CC..0602..
	58-60,5	A765 R1	1	16	25	58,5	50	17	90°	CC..0602..
		A765 R3	0	16	25	58,5	50	19,5	90°	CC..0602..
	60,5-63	A765 R2	1	16	25	58,5	50	18,2	90°	CC..0602..
		A765 R4	0	16	25	58,5	50	20,7	90°	CC..0602..
	63-65,5	A765 R1	2	16	25	58,5	50	17	90°	CC..0602..
		A765 R3	1	16	25	58,5	50	19,5	90°	CC..0602..
	65,5-68	A765 R5	0	16	25	58,5	50	22	90°	CC..0602..
		A765 R2	2	16	25	58,5	50	18,2	90°	CC..0602..
	68-70,5	A765 R4	1	16	25	58,5	50	20,7	90°	CC..0602..
		A765 R6	0	16	25	58,5	50	23,3	90°	CC..0602..
	70,5-73	A765 R1	3	16	25	58,5	50	17	90°	CC..0602..
		A765 R3	2	16	25	58,5	50	19,5	90°	CC..0602..
	73-75,5	A765 R5	1	16	25	58,5	50	22	90°	CC..0602..
		A765 R2	3	16	25	58,5	50	18,2	90°	CC..0602..
	75,5-78	A765 R4	3	16	25	58,5	50	20,7	90°	CC..0602..
		A765 R6	2	16	25	58,5	50	23,2	90°	CC..0602..
	78-80,5	A765 R1	5	16	25	58,5	50	17	90°	CC..0602..
		A765 R3	4	16	25	58,5	50	19,5	90°	CC..0602..
	80,5-83	A765 R5	3	16	25	58,5	50	22	90°	CC..0602..
		A765 R2	5	16	25	58,5	50	18,2	90°	CC..0602..
	83-85,5	A765 R4	4	16	25	58,5	50	20,7	90°	CC..0602..
		A765 R6	3	16	25	58,5	50	23,2	90°	CC..0602..
	85,5-88	A765 R1	6	16	25	58,5	50	17	90°	CC..0602..
		A765 R3	5	16	25	58,5	50	19,5	90°	CC..0602..
	88-90,5	A765 R5	4	16	25	58,5	50	22	90°	CC..0602..
		A765 R2	6	16	25	58,5	50	18,2	90°	CC..0602..
	90,5-93	A765 R4	5	16	25	58,5	50	20,7	90°	CC..0602..
		A765 R6	4	16	25	58,5	50	23,2	90°	CC..0602..
	93-95,5	A765 R1	7	16	25	58,5	50	17	90°	CC..0602..
		A765 R3	6	16	25	58,5	50	19,5	90°	CC..0602..
	95,5-98	A765 R5	5	16	25	58,5	50	22	90°	CC..0602..
		A765 R2	7	16	25	58,5	50	18,2	90°	CC..0602..
	98-100,5	A765 R4	6	16	25	58,5	50	20,7	90°	CC..0602..
		A765 R6	5	16	25	58,5	50	23,2	90°	CC..0602..
	100,5-103	A765 R1	8	16	25	58,5	50	17	90°	CC..0602..
		A765 R3	7	16	25	58,5	50	19,5	90°	CC..0602..
	103-105,5	A765 R5	6	16	25	58,5	50	22	90°	CC..0602..
		A765 R2	8	16	25	58,5	50	18,2	90°	CC..0602..
	105,5-108	A765 R4	7	16	25	58,5	50	20,7	90°	CC..0602..
		A765 R6	8	16	25	58,5	50	23,2	90°	CC..0602..

Uygun kartuşu seçin ve gerekli baralama kapasitesini elde etmek için MPA üzerindeki sap konumunu not edin.

Not: Baralama montajı için gerekenler:

- bir - Axiabore™ Plus -kafa (A760 03)
- bir MPA (BDA16BS25100)
- bir sap (BAS25MH1660)
- bir denge ağırlığı (BAS25CW1660)
- tablodan seçilmesi gereken bir kartuş (A765R.)
- bir uç

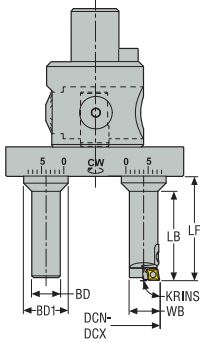


* +0,2 mm (0.008") ek kapasite elde edilebilir.
Kartuşların detaylı tanımı için, bakınız sayfa 589

Seçim tablosu:

FB 760 kafalar için uygun baralama takımları ve kartuşlar, İnç

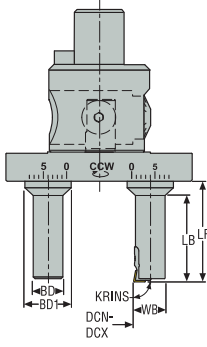
	Kapasite DCN-DCX Ø İnç*	Kartuş Parça no.	Sap konumu	Boyutlar/inç					Giriş açısı KRINS°	Uygun uç ebadı
				BD	BD1	LF	LB	WB		
	2.087-2.185	A765 R1	0	0.630	0.984	2.303	1.969	0.669	90°	CC..0602..
	2.185-2.283	A765 R2	0	0.630	0.984	2.303	1.969	0.717	90°	CC..0602..
	2.283-2.382	A765 R1	1	0.630	0.984	2.303	1.969	0.669	90°	CC..0602..
		A765 R3	0	0.630	0.984	2.303	1.969	0.768	90°	CC..0602..
	2.382-2.480	A765 R2	1	0.630	0.984	2.303	1.969	0.717	90°	CC..0602..
		A765 R4	0	0.630	0.984	2.303	1.969	0.815	90°	CC..0602..
		A765 R1	2	0.630	0.984	2.303	1.969	0.669	90°	CC..0602..
	2.480-2.579	A765 R3	1	0.630	0.984	2.303	1.969	0.768	90°	CC..0602..
		A765 R5	0	0.630	0.984	2.303	1.969	0.866	90°	CC..0602..
		A765 R2	2	0.630	0.984	2.303	1.969	0.717	90°	CC..0602..
	2.579-2.677	A765 R4	1	0.630	0.984	2.303	1.969	0.815	90°	CC..0602..
		A765 R6	0	0.630	0.984	2.303	1.969	0.917	90°	CC..0602..
	2.677-2.776	A765 R1	3	0.630	0.984	2.303	1.969	0.669	90°	CC..0602..
		A765 R3	2	0.630	0.984	2.303	1.969	0.768	90°	CC..0602..
	2.776-2.874	A765 R5	1	0.630	0.984	2.303	1.969	0.866	90°	CC..0602..
		A765 R2	3	0.630	0.984	2.303	1.969	0.717	90°	CC..0602..
		A765 R4	2	0.630	0.984	2.303	1.969	0.815	90°	CC..0602..
	2.874-2.972	A765 R6	1	0.630	0.984	2.303	1.969	0.913	90°	CC..0602..
		A765 R1	4	0.630	0.984	2.303	1.969	0.669	90°	CC..0602..
		A765 R3	3	0.630	0.984	2.303	1.969	0.768	90°	CC..0602..
	2.972-3.071	A765 R5	2	0.630	0.984	2.303	1.969	0.866	90°	CC..0602..
		A765 R2	4	0.630	0.984	2.303	1.969	0.717	90°	CC..0602..
		A765 R4	3	0.630	0.984	2.303	1.969	0.815	90°	CC..0602..
	3.071-3.169	A765 R6	2	0.630	0.984	2.303	1.969	0.913	90°	CC..0602..
		A765 R1	5	0.630	0.984	2.303	1.969	0.669	90°	CC..0602..
		A765 R3	4	0.630	0.984	2.303	1.969	0.768	90°	CC..0602..
	3.169-3.268	A765 R5	3	0.630	0.984	2.303	1.969	0.866	90°	CC..0602..
		A765 R2	5	0.630	0.984	2.303	1.969	0.717	90°	CC..0602..
		A765 R4	4	0.630	0.984	2.303	1.969	0.815	90°	CC..0602..
	3.268-3.366	A765 R6	3	0.630	0.984	2.303	1.969	0.913	90°	CC..0602..
		A765 R1	6	0.630	0.984	2.303	1.969	0.669	90°	CC..0602..
		A765 R3	5	0.630	0.984	2.303	1.969	0.768	90°	CC..0602..
	3.366-3.465	A765 R5	4	0.630	0.984	2.303	1.969	0.866	90°	CC..0602..
		A765 R2	6	0.630	0.984	2.303	1.969	0.717	90°	CC..0602..
		A765 R4	5	0.630	0.984	2.303	1.969	0.815	90°	CC..0602..
	3.465-3.563	A765 R6	4	0.630	0.984	2.303	1.969	0.913	90°	CC..0602..
		A765 R1	7	0.630	0.984	2.303	1.969	0.669	90°	CC..0602..
		A765 R3	6	0.630	0.984	2.303	1.969	0.768	90°	CC..0602..
	3.563-3.661	A765 R5	5	0.630	0.984	2.303	1.969	0.866	90°	CC..0602..
		A765 R2	7	0.630	0.984	2.303	1.969	0.717	90°	CC..0602..
		A765 R4	6	0.630	0.984	2.303	1.969	0.815	90°	CC..0602..
	3.661-3.760	A765 R6	5	0.630	0.984	2.303	1.969	0.913	90°	CC..0602..
		A765 R1	8	0.630	0.984	2.303	1.969	0.669	90°	CC..0602..
		A765 R3	7	0.630	0.984	2.303	1.969	0.768	90°	CC..0602..
	3.760-3.858	A765 R5	6	0.630	0.984	2.303	1.969	0.866	90°	CC..0602..
		A765 R2	8	0.630	0.984	2.303	1.969	0.717	90°	CC..0602..
		A765 R4	7	0.630	0.984	2.303	1.969	0.815	90°	CC..0602..
	3.858-3.957	A765 R6	6	0.630	0.984	2.303	1.969	0.913	90°	CC..0602..
		A765 R3	8	0.630	0.984	2.303	1.969	0.768	90°	CC..0602..
		A765 R5	7	0.630	0.984	2.303	1.969	0.866	90°	CC..0602..
	3.957-4.055	A765 R4	8	0.630	0.984	2.303	1.969	0.815	90°	CC..0602..
		A765 R6	7	0.630	0.984	2.303	1.969	0.913	90°	CC..0602..
	4.055-4.154	A765 R5	8	0.630	0.984	2.303	1.969	0.866	90°	CC..0602..
	4.154-4.252	A765 R6	8	0.630	0.984	2.303	1.969	0.913	90°	CC..0602..



* +0,2 mm (0.008") ek kapasite elde edilebilir.
Kartuşların detaylı tanımı için, bakınız sayfa 589

Seçim tablosu: FB 760 kafalarda MPA ile Dış Çap-baralama için kartuşlar, Metrik

	Kapasite DCN-DCX Ø mm*	Kartuş Parça no.	Sap konumu	Boyutlar/mm					Giriş açısı KRINS°	Uygun uç ebadı
				BD	BD1	LF	LB	WB		
<p>Uygun kartuşu seçin ve gerekli baralama kapasitesini elde etmek için MPA üzerindeki sap konumunu not edin.</p> <p>Not: Baralama montajı için gerekenler:</p> <ul style="list-style-type: none"> - bir - Axiabore™ Plus -kafa (A760 03) - bir MPA (BDA16BS25100) - bir sap (BAS25MH1660) - bir denge ağırlığı (BAS25CW1660) - tablodan seçilmesi gereken bir kartuş (A765R.) - bir uç 	2-4,5	A765 R6	0	16	25	58,5	50	23,2	90°	CC..0602..
	4,5-7	A765 R5	0	16	25	58,5	50	22	90°	CC..0602..
	7-9,5	A765 R6	1	16	25	58,5	50	23,2	90°	CC..0602..
		A765 R4	0	16	25	58,5	50	20,7	90°	CC..0602..
	9,5-12	A765 R5	1	16	25	58,5	50	22	90°	CC..0602..
		A765 R3	0	16	25	58,5	50	19,5	90°	CC..0602..
		A765 R6	2	16	25	58,5	50	23,2	90°	CC..0602..
	12-14,5	A765 R4	1	16	25	58,5	50	20,7	90°	CC..0602..
		A765 R2	0	16	25	58,5	50	18,2	90°	CC..0602..
		A765 R5	2	16	25	58,5	50	22	90°	CC..0602..
	14,5-17	A765 R3	1	16	25	58,5	50	19,5	90°	CC..0602..
		A765 R1	0	16	25	58,5	50	17	90°	CC..0602..
		A765 R6	3	16	25	58,5	50	23,2	90°	CC..0602..
	17-19,5	A765 R4	2	16	25	58,5	50	20,7	90°	CC..0602..
		A765 R2	1	16	25	58,5	50	18,2	90°	CC..0602..
		A765 R5	3	16	25	58,5	50	22	90°	CC..0602..
	19,5-22	A765 R3	2	16	25	58,5	50	19,5	90°	CC..0602..
		A765 R1	1	16	25	58,5	50	17	90°	CC..0602..
		A765 R6	4	16	25	58,5	50	23,2	90°	CC..0602..
	22-24,5	A765 R4	3	16	25	58,5	50	20,7	90°	CC..0602..
		A765 R2	2	16	25	58,5	50	18,2	90°	CC..0602..
		A765 R5	4	16	25	58,5	50	22	90°	CC..0602..
	24,5-27	A765 R3	3	16	25	58,5	50	19,5	90°	CC..0602..
		A765 R1	2	16	25	58,5	50	17	90°	CC..0602..
		A765 R6	5	16	25	58,5	50	23,2	90°	CC..0602..
	27-29,5	A765 R4	4	16	25	58,5	50	20,7	90°	CC..0602..
		A765 R2	3	16	25	58,5	50	18,2	90°	CC..0602..
		A765 R5	5	16	25	58,5	50	22	90°	CC..0602..
	29,5-32	A765 R3	4	16	25	58,5	50	19,5	90°	CC..0602..
		A765 R1	3	16	25	58,5	50	17	90°	CC..0602..
A765 R6		6	16	25	58,5	50	23,2	90°	CC..0602..	
32-34,5	A765 R4	5	16	25	58,5	50	20,7	90°	CC..0602..	
	A765 R2	4	16	25	58,5	50	18,2	90°	CC..0602..	
	A765 R5	6	16	25	58,5	50	22	90°	CC..0602..	
34,5-37	A765 R3	5	16	25	58,5	50	19,5	90°	CC..0602..	
	A765 R1	4	16	25	58,5	50	17	90°	CC..0602..	
	A765 R6	7	16	25	58,5	50	23,2	90°	CC..0602..	
37-39,5	A765 R4	6	16	25	58,5	50	20,7	90°	CC..0602..	
	A765 R2	5	16	25	58,5	50	18,2	90°	CC..0602..	
	A765 R5	7	16	25	58,5	50	22	90°	CC..0602..	
39,5-42	A765 R3	6	16	25	58,5	50	19,5	90°	CC..0602..	
	A765 R1	5	16	25	58,5	50	17	90°	CC..0602..	
	A765 R6	8	16	25	58,5	50	23,2	90°	CC..0602..	
42-44,5	A765 R4	7	16	25	58,5	50	20,7	90°	CC..0602..	
	A765 R2	6	16	25	58,5	50	18,2	90°	CC..0602..	
	A765 R5	8	16	25	58,5	50	22	90°	CC..0602..	
44,5-47	A765 R3	7	16	25	58,5	50	19,5	90°	CC..0602..	
	A765 R1	6	16	25	58,5	50	17	90°	CC..0602..	
	A765 R4	8	16	25	58,5	50	20,7	90°	CC..0602..	
47-49,5	A765 R2	7	16	25	58,5	50	18,2	90°	CC..0602..	
	A765 R3	8	16	25	58,5	50	19,5	90°	CC..0602..	
49,5-52	A765 R1	7	16	25	58,5	50	17	90°	CC..0602..	
	A765 R2	8	16	25	58,5	50	18,2	90°	CC..0602..	
52-54,5	A765 R1	8	16	25	58,5	50	17	90°	CC..0602..	
54,5-57	A765 R1	8	16	25	58,5	50	17	90°	CC..0602..	

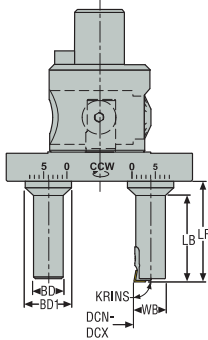


* +0,2 mm (0.008") ek kapasite elde edilebilir.
Kartuşların detaylı tanımını için, bakınız sayfa 589

Seçim tablosu:

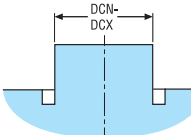
FB 760 kafalarda MPA ile Dış Çap-baralama için kartuşlar, İnç

	Kapasite DCN-DCX Ø İnç*	Kartuş Parça no.	Sap konumu	Boyutlar/İNÇ					Giriş açısı KRINS°	Uygun uç ebadı
				BD	BD1	LF	LB	WB		
	0.079-0.177	A765 R6	0	0.630	0.984	2.303	1.969	0.913	90°	CC..0602..
	0.177-0.276	A765 R5	0	0.630	0.984	2.303	1.969	0.866	90°	CC..0602..
	0.276-0.374	A765 R6	1	0.630	0.984	2.303	1.969	0.913	90°	CC..0602..
		A765 R4	0	0.630	0.984	2.303	1.969	0.815	90°	CC..0602..
	0.374-0.472	A765 R5	1	0.630	0.984	2.303	1.969	0.866	90°	CC..0602..
		A765 R3	0	0.630	0.984	2.303	1.969	0.768	90°	CC..0602..
	0.472-0.571	A765 R6	2	0.630	0.984	2.303	1.969	0.913	90°	CC..0602..
		A765 R4	1	0.630	0.984	2.303	1.969	0.815	90°	CC..0602..
	0.571-0.669	A765 R2	0	0.630	0.984	2.303	1.969	0.717	90°	CC..0602..
		A765 R5	2	0.630	0.984	2.303	1.969	0.866	90°	CC..0602..
	0.669-0.768	A765 R3	1	0.630	0.984	2.303	1.969	0.768	90°	CC..0602..
		A765 R1	0	0.630	0.984	2.303	1.969	0.669	90°	CC..0602..
	0.768-0.866	A765 R6	3	0.630	0.984	2.303	1.969	0.913	90°	CC..0602..
		A765 R4	2	0.630	0.984	2.303	1.969	0.815	90°	CC..0602..
	0.866-0.965	A765 R2	1	0.630	0.984	2.303	1.969	0.717	90°	CC..0602..
		A765 R5	3	0.630	0.984	2.303	1.969	0.866	90°	CC..0602..
	0.965-1.063	A765 R3	2	0.630	0.984	2.303	1.969	0.768	90°	CC..0602..
		A765 R1	1	0.630	0.984	2.303	1.969	0.669	90°	CC..0602..
	1.063-1.161	A765 R6	4	0.630	0.984	2.303	1.969	0.913	90°	CC..0602..
		A765 R4	3	0.630	0.984	2.303	1.969	0.815	90°	CC..0602..
	1.161-1.260	A765 R2	2	0.630	0.984	2.303	1.969	0.717	90°	CC..0602..
		A765 R5	5	0.630	0.984	2.303	1.969	0.866	90°	CC..0602..
	1.260-1.358	A765 R3	4	0.630	0.984	2.303	1.969	0.768	90°	CC..0602..
		A765 R1	3	0.630	0.984	2.303	1.969	0.669	90°	CC..0602..
	1.358-1.457	A765 R6	6	0.630	0.984	2.303	1.969	0.913	90°	CC..0602..
		A765 R4	5	0.630	0.984	2.303	1.969	0.815	90°	CC..0602..
	1.457-1.555	A765 R2	4	0.630	0.984	2.303	1.969	0.717	90°	CC..0602..
		A765 R5	6	0.630	0.984	2.303	1.969	0.866	90°	CC..0602..
	1.555-1.654	A765 R3	5	0.630	0.984	2.303	1.969	0.768	90°	CC..0602..
		A765 R1	4	0.630	0.984	2.303	1.969	0.669	90°	CC..0602..
	1.654-1.752	A765 R6	7	0.630	0.984	2.303	1.969	0.913	90°	CC..0602..
		A765 R4	6	0.630	0.984	2.303	1.969	0.815	90°	CC..0602..
	1.752-1.850	A765 R2	5	0.630	0.984	2.303	1.969	0.717	90°	CC..0602..
		A765 R5	7	0.630	0.984	2.303	1.969	0.866	90°	CC..0602..
	1.850-1.949	A765 R3	6	0.630	0.984	2.303	1.969	0.768	90°	CC..0602..
		A765 R1	5	0.630	0.984	2.303	1.969	0.669	90°	CC..0602..
	1.949-2.047	A765 R6	8	0.630	0.984	2.303	1.969	0.913	90°	CC..0602..
		A765 R4	7	0.630	0.984	2.303	1.969	0.815	90°	CC..0602..
	2.047-2.146	A765 R2	6	0.630	0.984	2.303	1.969	0.717	90°	CC..0602..
		A765 R5	8	0.630	0.984	2.303	1.969	0.866	90°	CC..0602..
	2.146-2.244	A765 R3	7	0.630	0.984	2.303	1.969	0.768	90°	CC..0602..
		A765 R1	6	0.630	0.984	2.303	1.969	0.669	90°	CC..0602..



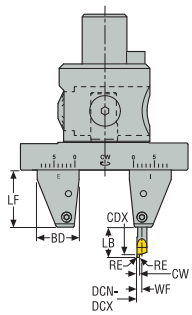
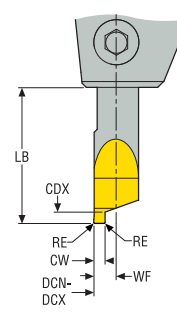
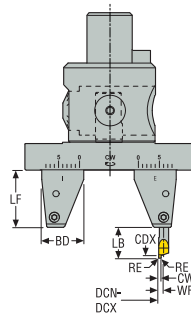
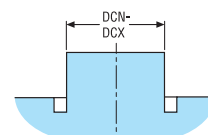
* +0,2 mm (0.008") ek kapasite elde edilebilir.
Kartuşların detaylı tanımı için, bakınız sayfa 589

Seçim tablosu: FB 760 kafalarda MPA ile kanal açma için -çıkıntının dibine- kanal açma takımı, Metrik

	Kapasite DCN-DCX Ø mm*	Çıkıntının dibine Kanal açma takımı Parça no.	Kanal açma takım tutucusu konumu**	Tasarım	Boyutlar/mm						Maks. kanal. derinliği CDX		
					BD	CW	LF	LB	WF	RE			
<p>Uygun kanal açma takımını seçin ve gerekli kanal kapasitesini elde etmek için MPA üzerindeki kanal açma takım tutucusunun konumunu not edin.</p> 	19-24	AFG0629 10 1582	0-I	1	25	1	34	18	2,95	0,15	2,0		
	24-29		1-I	1	25	1	34	18	2,95	0,15	2,0		
	29-34		2-I	1	25	1	34	18	2,95	0,15	2,0		
	34-39		3-I	1	25	1	34	18	2,95	0,15	2,0		
	39-44		0-E / 4-I	1/2	25	1	34	18	2,95	0,15	2,0		
	44-49		1-E / 5-I	1/2	25	1	34	18	2,95	0,15	2,0		
	49-54		2-E / 6-I	1/2	25	1	34	18	2,95	0,15	2,0		
	54-59		3-E / 7-I	1/2	25	1	34	18	2,95	0,15	2,0		
	59-64		4-E / 8-I	1/2	25	1	34	18	2,95	0,15	2,0		
	64-69		5-E	2	25	1	34	18	2,95	0,15	2,0		
	69-74		6-E	2	25	1	34	18	2,95	0,15	2,0		
	74-79		7-E	2	25	1	34	18	2,95	0,15	2,0		
	79-84		8-E	2	25	1	34	18	2,95	0,15	2,0		
	<p>Not: Çıkıntının dibine- kanal açma montajı için gerekenler :</p> <ul style="list-style-type: none"> • bir - Axiabore™ Plus kafa (A760 03) • bir MPA (BDA16BS25100) • kanal açma takımını tutması veya karşı denge ağırlığı görevi görmesi için bir I (iç konum) ve bir E (dış konum) kanal açma takım tutucusu (BAS25FG135 ve BAS25FGE35) (tablodaki ayar konumuna bakınız) • kanal genişliğine ve çapına göre tablodan seçilmesi gereken bir -çıkıntı dibine- kanal açma takımı (AFG...82). 		19-24	AFG0629 15 1582	0-I	1	25	1,5	34	18	2,95	0,15	3,0
			24-29		1-I	1	25	1,5	34	18	2,95	0,15	3,0
			29-34		2-I	1	25	1,5	34	18	2,95	0,15	3,0
34-39		3-I	1		25	1,5	34	18	2,95	0,15	3,0		
39-44		0-E / 4-I	1/2		25	1,5	34	18	2,95	0,15	3,0		
44-49		1-E / 5-I	1/2		25	1,5	34	18	2,95	0,15	3,0		
49-54		2-E / 6-I	1/2		25	1,5	34	18	2,95	0,15	3,0		
54-59		3-E / 7-I	1/2		25	1,5	34	18	2,95	0,15	3,0		
59-64		4-E / 8-I	1/2		25	1,5	34	18	2,95	0,15	3,0		
64-69		5-E	2		25	1,5	34	18	2,95	0,15	3,0		
69-74		6-E	2		25	1,5	34	18	2,95	0,15	3,0		
74-79		7-E	2		25	1,5	34	18	2,95	0,15	3,0		
79-84		8-E	2		25	1,5	34	18	2,95	0,15	3,0		
<p>AFG0629 20 1582</p>		19-24	AFG0629 20 1582		0-I	1	25	2	34	18	2,95	0,15	4,0
		24-29			1-I	1	25	2	34	18	2,95	0,15	4,0
		29-34			2-I	1	25	2	34	18	2,95	0,15	4,0
	34-39	3-I		1	25	2	34	18	2,95	0,15	4,0		
	39-44	0-E / 4-I		1/2	25	2	34	18	2,95	0,15	4,0		
	44-49	1-E / 5-I		1/2	25	2	34	18	2,95	0,15	4,0		
	49-54	2-E / 6-I		1/2	25	2	34	18	2,95	0,15	4,0		
	54-59	3-E / 7-I		1/2	25	2	34	18	2,95	0,15	4,0		
59-64	4-E / 8-I	1/2	25	2	34	18	2,95	0,15	4,0				
64-69	5-E	2	25	2	34	18	2,95	0,15	4,0				
69-74	6-E	2	25	2	34	18	2,95	0,15	4,0				
74-79	7-E	2	25	2	34	18	2,95	0,15	4,0				
79-84	8-E	2	25	2	34	18	2,95	0,15	4,0				

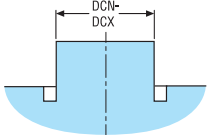
**+0,2 mm (0.008") ek kapasite elde edilebilir. ** Tavsiye edilen değerler koyu renklidir.
Kanal açma takımlarının ayrıntılı açıklamaları için, bakınız sayfa 594

Seçim tablosu: FB 760 kafalarda MPA ile kanal açma için -çıkıntının dibine- kanal açma takımı, İnç

	Kapasite DCN-DCX Ø İnç*	Çıkıntının dibine Kanal açma takımı Parça no.	Kanal açma takım tutucusu konumu**	Tasarım	Boyutlar/İnç						Maks. kanal. derinliği CDX		
					BD	CW	LF	LB	WF	RE			
<p>Uygun kanal açma takımını seçin ve gerekli kanal kapasitesini elde etmek için MPA üzerindeki kanal açma takım tutucusunun konumunu not edin.</p>   	0.748-0.945	AFG0629 10 1582	0-I	1	0.984	0.0394	1.339	0.709	0.116	0.006	0.079		
	0.945-1.142		1-I	1	0.984	0.0394	1.339	0.709	0.116	0.006	0.079		
	1.142-1.339		2-I	1	0.984	0.0394	1.339	0.709	0.116	0.006	0.079		
	1.339-1.535		3-I	1	0.984	0.0394	1.339	0.709	0.116	0.006	0.079		
	1.535-1.732		0-E / 4-I	1/2	0.984	0.0394	1.339	0.709	0.116	0.006	0.079		
	1.732-1.929		1-E / 5-I	1/2	0.984	0.0394	1.339	0.709	0.116	0.006	0.079		
	1.929-2.126		2-E / 6-I	1/2	0.984	0.0394	1.339	0.709	0.116	0.006	0.079		
	2.126-2.323		3-E / 7-I	1/2	0.984	0.0394	1.339	0.709	0.116	0.006	0.079		
	2.323-2.520		4-E / 8-I	1/2	0.984	0.0394	1.339	0.709	0.116	0.006	0.079		
	2.520-2.717		5-E	2	0.984	0.0394	1.339	0.709	0.116	0.006	0.079		
	2.717-2.913		6-E	2	0.984	0.0394	1.339	0.709	0.116	0.006	0.079		
	2.913-3.110		7-E	2	0.984	0.0394	1.339	0.709	0.116	0.006	0.079		
	3.110-3.307		8-E	2	0.984	0.0394	1.339	0.709	0.116	0.006	0.079		
	<p>Not: Çıkıntının dibine- kanal açma montajı için gerekenler :</p> <ul style="list-style-type: none"> • bir - Axiabore™ Plus kafa (A760 03) • bir MPA (BDA16BS25100) • kanal açma takımını tutması veya karşı denge ağırlığı görevi görmesi için bir I (iç konum) ve bir E (dış konum) kanal açma takım tutucusu (BAS25FGI35 ve BAS25FGE35) (tablodaki ayar konumuna bakınız) • kanal genişliğine ve çapına göre tablodan seçilmesi gereken bir -çıkıntı dibine- kanal açma takımı (AFG...82). 		0.748-0.945	AFG0629 15 1582	0-I	1	0.984	0.0591	1.339	0.709	0.116	0.006	0.118
			0.945-1.142		1-I	1	0.984	0.0591	1.339	0.709	0.116	0.006	0.118
1.142-1.339		2-I	1		0.984	0.0591	1.339	0.709	0.116	0.006	0.118		
1.339-1.535		3-I	1		0.984	0.0591	1.339	0.709	0.116	0.006	0.118		
1.535-1.732		0-E / 4-I	1/2		0.984	0.0591	1.339	0.709	0.116	0.006	0.118		
1.732-1.929		1-E / 5-I	1/2		0.984	0.0591	1.339	0.709	0.116	0.006	0.118		
1.929-2.126		2-E / 6-I	1/2		0.984	0.0591	1.339	0.709	0.116	0.006	0.118		
2.126-2.323		3-E / 7-I	1/2		0.984	0.0591	1.339	0.709	0.116	0.006	0.118		
2.323-2.520		4-E / 8-I	1/2		0.984	0.0591	1.339	0.709	0.116	0.006	0.118		
2.520-2.717		5-E	2		0.984	0.0591	1.339	0.709	0.116	0.006	0.118		
2.717-2.913		6-E	2		0.984	0.0591	1.339	0.709	0.116	0.006	0.118		
2.913-3.110		7-E	2		0.984	0.0591	1.339	0.709	0.116	0.006	0.118		
3.110-3.307		8-E	2		0.984	0.0591	1.339	0.709	0.116	0.006	0.118		
<p>0.748-0.945</p> <p>0.945-1.142</p> <p>1.142-1.339</p> <p>1.339-1.535</p> <p>1.535-1.732</p> <p>1.732-1.929</p> <p>1.929-2.126</p> <p>2.126-2.323</p> <p>2.323-2.520</p> <p>2.520-2.717</p> <p>2.717-2.913</p> <p>2.913-3.110</p> <p>3.110-3.307</p>		0.748-0.945	AFG0629 20 1582		0-I	1	0.984	0.0787	1.339	0.709	0.116	0.006	0.157
		0.945-1.142			1-I	1	0.984	0.0787	1.339	0.709	0.116	0.006	0.157
	1.142-1.339	2-I		1	0.984	0.0787	1.339	0.709	0.116	0.006	0.157		
	1.339-1.535	3-I		1	0.984	0.0787	1.339	0.709	0.116	0.006	0.157		
	1.535-1.732	0-E / 4-I		1/2	0.984	0.0787	1.339	0.709	0.116	0.006	0.157		
	1.732-1.929	1-E / 5-I		1/2	0.984	0.0787	1.339	0.709	0.116	0.006	0.157		
	1.929-2.126	2-E / 6-I		1/2	0.984	0.0787	1.339	0.709	0.116	0.006	0.157		
	2.126-2.323	3-E / 7-I		1/2	0.984	0.0787	1.339	0.709	0.116	0.006	0.157		
	2.323-2.520	4-E / 8-I		1/2	0.984	0.0787	1.339	0.709	0.116	0.006	0.157		
	2.520-2.717	5-E		2	0.984	0.0787	1.339	0.709	0.116	0.006	0.157		
	2.717-2.913	6-E		2	0.984	0.0787	1.339	0.709	0.116	0.006	0.157		
	2.913-3.110	7-E		2	0.984	0.0787	1.339	0.709	0.116	0.006	0.157		
	3.110-3.307	8-E		2	0.984	0.0787	1.339	0.709	0.116	0.006	0.157		

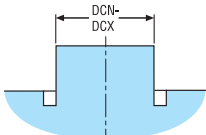
**+0,2 mm (0.008") ek kapasite elde edilebilir. ** Tavsiye edilen değerler koyu renklidir.
Kanal açma takımlarının ayrıntılı açıklamaları için, bakınız sayfa 594

Seçim tablosu: FB 760 kafalarda MPA ile kanal açma için -çıkıntının dibine- kanal açma takımı, Metrik

	Kapasite DCN-DCX Ø mm*	Çıkıntının dibine Kanal açma takımı Parça no.	Kanal açma takım tutucusu konumu**	Tasarım	Boyutlar/mm						Maks. kanal. derinliği CDX		
					BD	CW	LF	LB	WF	RE			
<p>Uygun kanal açma takımını seçin ve gerekli kanal kapasitesini elde etmek için MPA üzerindeki kanal açma takım tutucusunun konumunu not edin.</p> 	19-24	AFG0629 25 1582	0-I	1	25	2,5	34	18	2,95	0,15	5,0		
	24-29		1-I	1	25	2,5	34	18	2,95	0,15	5,0		
	29-34		2-I	1	25	2,5	34	18	2,95	0,15	5,0		
	34-39		3-I	1	25	2,5	34	18	2,95	0,15	5,0		
	39-44		0-E / 4-I	1/2	25	2,5	34	18	2,95	0,15	5,0		
	44-49		1-E / 5-I	1/2	25	2,5	34	18	2,95	0,15	5,0		
	49-54		2-E / 6-I	1/2	25	2,5	34	18	2,95	0,15	5,0		
	54-59		3-E / 7-I	1/2	25	2,5	34	18	2,95	0,15	5,0		
	59-64		4-E / 8-I	1/2	25	2,5	34	18	2,95	0,15	5,0		
	64-69		5-E	2	25	2,5	34	18	2,95	0,15	5,0		
	69-74		6-E	2	25	2,5	34	18	2,95	0,15	5,0		
	74-79		7-E	2	25	2,5	34	18	2,95	0,15	5,0		
	79-84		8-E	2	25	2,5	34	18	2,95	0,15	5,0		
	<p>Not: Çıkıntının dibine- kanal açma montajı için gerekenler :</p> <ul style="list-style-type: none"> • bir - Axiabore™ Plus kafa (A760 03) • bir MPA (BDA16BS25100) • kanal açma takımını tutması veya karşı denge ağırlığı görevi görmesi için bir I (iç konum) ve bir E (dış konum) kanal açma takım tutucusu (BAS25FGI35 ve BAS25FGE35) (tablodaki ayar konumuna bakınız) • kanal genişliğine ve çapına göre tablodan seçilmesi gereken bir -çıkıntı dibine- kanal açma takımı (AFG...82). 		19-24	AFG0629 30 1582	0-I	1	25	3	34	18	2,95	0,15	6,0
			24-29		1-I	1	25	3	34	18	2,95	0,15	6,0
			29-34		2-I	1	25	3	34	18	2,95	0,15	6,0
34-39		3-I	1		25	3	34	18	2,95	0,15	6,0		
39-44		0-E / 4-I	1/2		25	3	34	18	2,95	0,15	6,0		
44-49		1-E / 5-I	1/2		25	3	34	18	2,95	0,15	6,0		
49-54		2-E / 6-I	1/2		25	3	34	18	2,95	0,15	6,0		
54-59		3-E / 7-I	1/2		25	3	34	18	2,95	0,15	6,0		
59-64		4-E / 8-I	1/2		25	3	34	18	2,95	0,15	6,0		
64-69		5-E	2		25	3	34	18	2,95	0,15	6,0		
69-74		6-E	2		25	3	34	18	2,95	0,15	6,0		
74-79		7-E	2		25	3	34	18	2,95	0,15	6,0		
79-84		8-E	2		25	3	34	18	2,95	0,15	6,0		

**+0,2 mm (0.008") ek kapasite elde edilebilir. ** Tavsiye edilen değerler koyu renklidir.
Kanal açma takımlarının ayrıntılı açıklamaları için, bakınız sayfa 594

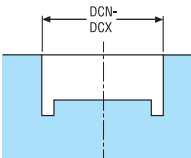
Seçim tablosu: FB 760 kafalarda MPA ile kanal açma için -çıkıntının dibine- kanal açma takımı, İnc

	Kapasite DCN-DCX Ø İnc*	Çıkıntının dibine Kanal açma takımı Parça no.	Kanal açma takım tutucusu konumu**	Tasarım	Boyutlar/İnc						Maks. kanal. derinliği CDX		
					BD	CW	LF	LB	WF	RE			
<p>Uygun kanal açma takımını seçin ve gerekli kanal kapasitesini elde etmek için MPA üzerindeki kanal açma takım tutucusunun konumunu not edin.</p> 	0.748-0.945	AFG0629 25 1582	0-I	1	0.984	0.0984	1.339	0.709	0.116	0.006	0.197		
	0.945-1.142		1-I	1	0.984	0.0984	1.339	0.709	0.116	0.006	0.197		
	1.142-1.339		2-I	1	0.984	0.0984	1.339	0.709	0.116	0.006	0.197		
	1.339-1.535		3-I	1	0.984	0.0984	1.339	0.709	0.116	0.006	0.197		
	1.535-1.732		0-E / 4-I	1/2	0.984	0.0984	1.339	0.709	0.116	0.006	0.197		
	1.732-1.929		1-E / 5-I	1/2	0.984	0.0984	1.339	0.709	0.116	0.006	0.197		
	1.929-2.126		2-E / 6-I	1/2	0.984	0.0984	1.339	0.709	0.116	0.006	0.197		
	2.126-2.323		3-E / 7-I	1/2	0.984	0.0984	1.339	0.709	0.116	0.006	0.197		
	2.323-2.520		4-E / 8-I	1/2	0.984	0.0984	1.339	0.709	0.116	0.006	0.197		
	2.520-2.717		5-E	2	0.984	0.0984	1.339	0.709	0.116	0.006	0.197		
	2.717-2.913		6-E	2	0.984	0.0984	1.339	0.709	0.116	0.006	0.197		
	2.913-3.110		7-E	2	0.984	0.0984	1.339	0.709	0.116	0.006	0.197		
	3.110-3.307		8-E	2	0.984	0.0984	1.339	0.709	0.116	0.006	0.197		
	<p>Not: Çıkıntının dibine- kanal açma montajı için gerekenler :</p> <ul style="list-style-type: none"> • bir - Axiabore™ Plus kafa (A760 03) • bir MPA (BDA16BS25100) • kanal açma takımını tutması veya karşı denge ağırlığı görevi görmesi için bir I (iç konum) ve bir E (dış konum) kanal açma takım tutucusu (BAS25FGI35 ve BAS25FGE35) (tablodaki ayar konumuna bakınız) • kanal genişliğine ve çapına göre tablodan seçilmesi gereken bir -çıkıntı dibine- kanal açma takımı (AFG...82). 		0.748-0.945	AFG0629 30 1582	0-I	1	0.984	0.1181	1.339	0.709	0.116	0.006	0.236
			0.945-1.142		1-I	1	0.984	0.1181	1.339	0.709	0.116	0.006	0.236
1.142-1.339		2-I	1		0.984	0.1181	1.339	0.709	0.116	0.006	0.236		
1.339-1.535		3-I	1		0.984	0.1181	1.339	0.709	0.116	0.006	0.236		
1.535-1.732		0-E / 4-I	1/2		0.984	0.1181	1.339	0.709	0.116	0.006	0.236		
1.732-1.929		1-E / 5-I	1/2		0.984	0.1181	1.339	0.709	0.116	0.006	0.236		
1.929-2.126		2-E / 6-I	1/2		0.984	0.1181	1.339	0.709	0.116	0.006	0.236		
2.126-2.323		3-E / 7-I	1/2		0.984	0.1181	1.339	0.709	0.116	0.006	0.236		
2.323-2.520		4-E / 8-I	1/2		0.984	0.1181	1.339	0.709	0.116	0.006	0.236		
2.520-2.717		5-E	2		0.984	0.1181	1.339	0.709	0.116	0.006	0.236		
2.717-2.913		6-E	2		0.984	0.1181	1.339	0.709	0.116	0.006	0.236		
2.913-3.110		7-E	2		0.984	0.1181	1.339	0.709	0.116	0.006	0.236		
3.110-3.307		8-E	2		0.984	0.1181	1.339	0.709	0.116	0.006	0.236		

**+0,2 mm (0.008") ek kapasite elde edilebilir. ** Tavsiye edilen değerler koyu renklidir.

Kanal açma takımlarının ayrıntılı açıklamaları için, bakınız sayfa 594

Seçim tablosu: FB 760 kafalarda MPA ile kanal açma için -çıkıntının dibine- kanal açma takımı, Metrik

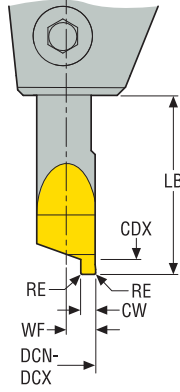
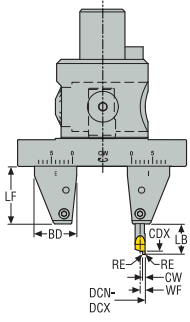
	Kapasite DCN-DCX Ø mm*	Delik dibine Kanal açma takımı Parça no.	Kanal açma takım tutucusu konumu**	Tasarım	Boyutlar/mm						Maks. kanal. derinliği CDX
					BD	CW	LF	LB	WF	RE	
<p>Uygun kanal açma takımını seçin ve gerekli kanal kapasitesini elde etmek için MPA üzerindeki kanal açma takım tutucusunun konumunu not edin.</p> 	31-36	AFG0629 10 1581	0-I	3	25	1	34	18	2,95	0,15	2,0
	36-41		1-I	3	25	1	34	18	2,95	0,15	2,0
	41-46		2-I	3	25	1	34	18	2,95	0,15	2,0
	46-51		3-I	3	25	1	34	18	2,95	0,15	2,0
	51-56		0-E / 4-I	3/4	25	1	34	18	2,95	0,15	2,0
	56-61		1-E / 5-I	3/4	25	1	34	18	2,95	0,15	2,0
	61-66		2-E / 6-I	3/4	25	1	34	18	2,95	0,15	2,0
	66-71		3-E / 7-I	3/4	25	1	34	18	2,95	0,15	2,0
	71-76		4-E / 8-I	3/4	25	1	34	18	2,95	0,15	2,0
	76-81		5-E	4	25	1	34	18	2,95	0,15	2,0
	81-86		6-E	4	25	1	34	18	2,95	0,15	2,0
	86-91		7-E	4	25	1	34	18	2,95	0,15	2,0
	91-96		8-E	4	25	1	34	18	2,95	0,15	2,0
	31-36		0-I	3	25	1,5	34	18	2,95	0,15	3,0
	39-41		1-I	3	25	1,5	34	18	2,95	0,15	3,0
	41-46		2-I	3	25	1,5	34	18	2,95	0,15	3,0
46-51	3-I	3	25	1,5	34	18	2,95	0,15	3,0		
51-56	0-E / 4-I	3/4	25	1,5	34	18	2,95	0,15	3,0		
56-61	1-E / 5-I	3/4	25	1,5	34	18	2,95	0,15	3,0		
61-66	2-E / 6-I	3/4	25	1,5	34	18	2,95	0,15	3,0		
66-71	3-E / 7-I	3/4	25	1,5	34	18	2,95	0,15	3,0		
71-76	4-E / 8-I	3/4	25	1,5	34	18	2,95	0,15	3,0		
76-81	5-E	4	25	1,5	34	18	2,95	0,15	3,0		
81-86	6-E	4	25	1,5	34	18	2,95	0,15	3,0		
86-91	7-E	4	25	1,5	34	18	2,95	0,15	3,0		
91-96	8-E	4	25	1,5	34	18	2,95	0,15	3,0		
31-36	0-I	3	25	2	34	18	2,95	0,15	4,0		
39-41	1-I	3	25	2	34	18	2,95	0,15	4,0		
41-46	2-I	3	25	2	34	18	2,95	0,15	4,0		
46-51	3-I	3	25	2	34	18	2,95	0,15	4,0		
51-56	0-E / 4-I	3/4	25	2	34	18	2,95	0,15	4,0		
56-61	1-E / 5-I	3/4	25	2	34	18	2,95	0,15	4,0		
61-66	2-E / 6-I	3/4	25	2	34	18	2,95	0,15	4,0		
66-71	3-E / 7-I	3/4	25	2	34	18	2,95	0,15	4,0		
71-76	4-E / 8-I	3/4	25	2	34	18	2,95	0,15	4,0		
76-81	5-E	4	25	2	34	18	2,95	0,15	4,0		
81-86	6-E	4	25	2	34	18	2,95	0,15	4,0		
86-91	7-E	4	25	2	34	18	2,95	0,15	4,0		
91-96	8-E	4	25	2	34	18	2,95	0,15	4,0		

**+0,2 mm (0.008") ek kapasite elde edilebilir. ** Tavsiye edilen değerler koyu renklidir.
Kanal açma takımlarının ayrıntılı açıklamaları için, bakınız sayfa 594

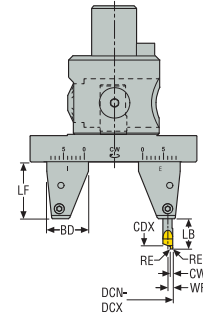
Seçim tablosu:

FB 760 kafalarda MPA ile kanal açma için -çıkıntının dibine- kanal açma takımı, İnc

Montaj tipi 3



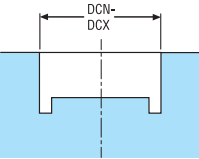
Montaj tipi 4



	Kapasite DCN-DCX Ø İnc*	Delik dibine Kanal açma takımı Parça no.	Kanal açma takım tutucusu konumu**	Tasarım	Boyutlar/İnc						Maks. kanal. derinliği CDX		
					BD	CW	LF	LB	WF	RE			
Uygun kanal açma takımını seçin ve gerekli kanal kapasitesini elde etmek için MPA üzerindeki kanal açma takım tutucusunun konumunu not edin.	1.220-1.417	AFG0629 10 1581	0-I	3	0.984	0.0394	1.339	0.709	0.116	0.006	0.079		
	1.417-1.614		1-I	3	0.984	0.0394	1.339	0.709	0.116	0.006	0.079		
	1.614-1.811		2-I	3	0.984	0.0394	1.339	0.709	0.116	0.006	0.079		
	1.811-2.008		3-I	3	0.984	0.0394	1.339	0.709	0.116	0.006	0.079		
	2.008-2.205		0-E / 4-I	3/4	0.984	0.0394	1.339	0.709	0.116	0.006	0.079		
	2.205-2.402		1-E / 5-I	3/4	0.984	0.0394	1.339	0.709	0.116	0.006	0.079		
	2.402-2.598		2-E / 6-I	3/4	0.984	0.0394	1.339	0.709	0.116	0.006	0.079		
	2.598-2.795		3-E / 7-I	3/4	0.984	0.0394	1.339	0.709	0.116	0.006	0.079		
	2.795-2.992		4-E / 8-I	3/4	0.984	0.0394	1.339	0.709	0.116	0.006	0.079		
	2.992-3.189		5-E	4	0.984	0.0394	1.339	0.709	0.116	0.006	0.079		
	3.189-3.386		6-E	4	0.984	0.0394	1.339	0.709	0.116	0.006	0.079		
	3.386-3.583		7-E	4	0.984	0.0394	1.339	0.709	0.116	0.006	0.079		
	3.583-3.780		8-E	4	0.984	0.0394	1.339	0.709	0.116	0.006	0.079		
	Not: Delik dibine- kanal açma montajı için gerekenler : • bir - Axiabore™ Plus -kafa (A760 03) • bir MPA (BDA16BS25100) • kanal açma takımını tutması veya karşı denge ağırlığı görevi görmesi için bir I (iç konum) ve bir E (dış konum) kanal açma takım tutucusu (BAS25FGI35 ve BAS25FGE35) (tablodaki ayar konumuna bakınız) • kanal genişliğine ve çapına göre tablodan seçilmesi gereken bir -delik dibine- kanal açma takımı (AFG...81).		1.220-1.417	AFG0629 15 1581	0-I	3	0.984	0.0591	1.339	0.709	0.116	0.006	0.118
			1.417-1.614		1-I	3	0.984	0.0591	1.339	0.709	0.116	0.006	0.118
			1.614-1.811		2-I	3	0.984	0.0591	1.339	0.709	0.116	0.006	0.118
1.811-2.008		3-I	3		0.984	0.0591	1.339	0.709	0.116	0.006	0.118		
2.008-2.205		0-E / 4-I	3/4		0.984	0.0591	1.339	0.709	0.116	0.006	0.118		
2.205-2.402		1-E / 5-I	3/4		0.984	0.0591	1.339	0.709	0.116	0.006	0.118		
2.402-2.598		2-E / 6-I	3/4		0.984	0.0591	1.339	0.709	0.116	0.006	0.118		
2.598-2.795		3-E / 7-I	3/4		0.984	0.0591	1.339	0.709	0.116	0.006	0.118		
2.795-2.992		4-E / 8-I	3/4		0.984	0.0591	1.339	0.709	0.116	0.006	0.118		
2.992-3.189		5-E	4		0.984	0.0591	1.339	0.709	0.116	0.006	0.118		
3.189-3.386		6-E	4		0.984	0.0591	1.339	0.709	0.116	0.006	0.118		
3.386-3.583		7-E	4		0.984	0.0591	1.339	0.709	0.116	0.006	0.118		
3.583-3.780		8-E	4		0.984	0.0591	1.339	0.709	0.116	0.006	0.118		
		1.220-1.417	AFG0629 20 1581		0-I	3	0.984	0.0787	1.339	0.709	0.116	0.006	0.157
		1.417-1.614			1-I	3	0.984	0.0787	1.339	0.709	0.116	0.006	0.157
		1.614-1.811			2-I	3	0.984	0.0787	1.339	0.709	0.116	0.006	0.157
	1.811-2.008	3-I		3	0.984	0.0787	1.339	0.709	0.116	0.006	0.157		
	2.008-2.205	0-E / 4-I		3/4	0.984	0.0787	1.339	0.709	0.116	0.006	0.157		
	2.205-2.402	1-E / 5-I		3/4	0.984	0.0787	1.339	0.709	0.116	0.006	0.157		
	2.402-2.598	2-E / 6-I		3/4	0.984	0.0787	1.339	0.709	0.116	0.006	0.157		
	2.598-2.795	3-E / 7-I		3/4	0.984	0.0787	1.339	0.709	0.116	0.006	0.157		
	2.795-2.992	4-E / 8-I		3/4	0.984	0.0787	1.339	0.709	0.116	0.006	0.157		
	2.992-3.189	5-E		4	0.984	0.0787	1.339	0.709	0.116	0.006	0.157		
	3.189-3.386	6-E		4	0.984	0.0787	1.339	0.709	0.116	0.006	0.157		
	3.386-3.583	7-E		4	0.984	0.0787	1.339	0.709	0.116	0.006	0.157		
	3.583-3.780	8-E		4	0.984	0.0787	1.339	0.709	0.116	0.006	0.157		

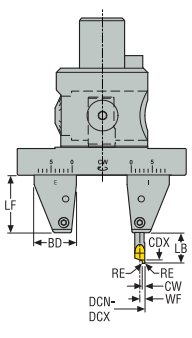
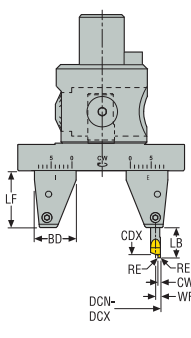
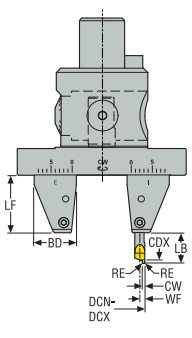
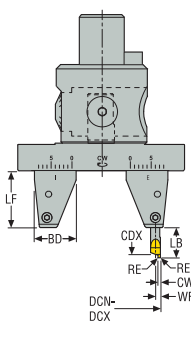
**+0,2 mm (0.008") ek kapasite elde edilebilir. ** Tavsiye edilen değerler koyu renklidir.
Kanal açma takımlarının ayrıntılı açıklamaları için, bakınız sayfa 594

Seçim tablosu:
FB 760 kafalarda MPA ile kanal açma için -çıkıntının dibine- kanal açma takımı, Metrik

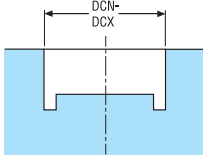
	Kapasite DCN-DCX Ø mm*	Delik dibine Kanal açma takımı Parça no.	Kanal açma takım tutucusu konumu**	Tasarım	Boyutlar/mm						Maks. kanal. derinliği CDX	
					BD	CW	LF	LB	WF	RE		
<p>Uygun kanal açma takımını seçin ve gerekli kanal kapasitesini elde etmek için MPA üzerindeki kanal açma takım tutucusunun konumunu not edin.</p>  <p>Not: Delik dibine- kanal açma montajı için gerekenler :</p> <ul style="list-style-type: none"> • bir - Axiabore™ Plus -kafa (A760 03) • bir MPA (BDA16BS25100) • kanal açma takımını tutması veya karşı denge ağırlığı görevi görmesi için bir I (iç konum) ve bir E (dış konum) kanal açma takım tutucusu (BAS25FGI35 ve BAS-25FGE35) (tablodaki ayar konumuna bakınız) • kanal genişliğine ve çapına göre tablodan seçilmesi gereken bir -delik dibine- kanal açma takımı (AFG...81). 	31-36	AFG0629 25 1581	0-I	3	25	2,5	34	18	2,95	0,15	5,0	
	36-41		1-I	3	25	2,5	34	18	2,95	0,15	5,0	
	41-46		2-I	3	25	2,5	34	18	2,95	0,15	5,0	
	46-51		3-I	3	25	2,5	34	18	2,95	0,15	5,0	
	51-56		0-E / 4-I	3/4	25	2,5	34	18	2,95	0,15	5,0	
	56-61		1-E / 5-I	3/4	25	2,5	34	18	2,95	0,15	5,0	
	61-66		2-E / 6-I	3/4	25	2,5	34	18	2,95	0,15	5,0	
	66-71		3-E / 7-I	3/4	25	2,5	34	18	2,95	0,15	5,0	
	71-76		4-E / 8-I	3/4	25	2,5	34	18	2,95	0,15	5,0	
	76-81		5-E	4	25	2,5	34	18	2,95	0,15	5,0	
	81-86		6-E	4	25	2,5	34	18	2,95	0,15	5,0	
	86-91		7-E	4	25	2,5	34	18	2,95	0,15	5,0	
	91-96		8-E	4	25	2,5	34	18	2,95	0,15	5,0	
	31-36		AFG0629 30 1581	0-I	3	25	3	34	18	2,95	0,15	6,0
	39-41			1-I	3	25	3	34	18	2,95	0,15	6,0
	41-46			2-I	3	25	3	34	18	2,95	0,15	6,0
	46-51			3-I	3	25	3	34	18	2,95	0,15	6,0
	51-56			0-E / 4-I	3/4	25	3	34	18	2,95	0,15	6,0
	56-61			1-E / 5-I	3/4	25	3	34	18	2,95	0,15	6,0
61-66	2-E / 6-I	3/4		25	3	34	18	2,95	0,15	6,0		
66-71	3-E / 7-I	3/4		25	3	34	18	2,95	0,15	6,0		
71-76	4-E / 8-I	3/4		25	3	34	18	2,95	0,15	6,0		
76-81	5-E	4		25	3	34	18	2,95	0,15	6,0		
81-86	6-E	4		25	3	34	18	2,95	0,15	6,0		
86-91	7-E	4		25	3	34	18	2,95	0,15	6,0		
91-96	8-E	4		25	3	34	18	2,95	0,15	6,0		

**+0,2 mm (0.008") ek kapasite elde edilebilir. ** Tavsiye edilen değerler koyu renklidir.
Kanal açma takımlarının ayrıntılı açıklamaları için, bakınız sayfa 594

Seçim tablosu: FB 760 kafalarda MPA ile kanal açma için -çıkıntının dibine- kanal açma takımı, İnç

	Kapasite DCN-DCX Ø İnç*	Delik dibine Kanal açma takımı Parça no.	Kanal açma takım tutucusu konumu**	Tasarım	Boyutlar/İnç						Maks. kanal. derinliği CDX		
					BD	CW	LF	LB	WF	RE			
<p>Montaj tipi 3</p>  <p>Montaj tipi 4</p> 	1.220-1.417	AFG0629 25 1581	0-I	3	0.984	0.0984	1.339	0.709	0.116	0.006	0.197		
	1.417-1.614		1-I	3	0.984	0.0984	1.339	0.709	0.116	0.006	0.197		
	1.614-1.811		2-I	3	0.984	0.0984	1.339	0.709	0.116	0.006	0.197		
	1.811-2.008		3-I	3	0.984	0.0984	1.339	0.709	0.116	0.006	0.197		
	2.008-2.205		0-E / 4-I	3/4	0.984	0.0984	1.339	0.709	0.116	0.006	0.197		
	2.205-2.402		1-E / 5-I	3/4	0.984	0.0984	1.339	0.709	0.116	0.006	0.197		
	2.402-2.598		2-E / 6-I	3/4	0.984	0.0984	1.339	0.709	0.116	0.006	0.197		
	2.598-2.795		3-E / 7-I	3/4	0.984	0.0984	1.339	0.709	0.116	0.006	0.197		
	2.795-2.992		4-E / 8-I	3/4	0.984	0.0984	1.339	0.709	0.116	0.006	0.197		
	2.992-3.189		5-E	4	0.984	0.0984	1.339	0.709	0.116	0.006	0.197		
	3.189-3.386		6-E	4	0.984	0.0984	1.339	0.709	0.116	0.006	0.197		
	3.386-3.583		7-E	4	0.984	0.0984	1.339	0.709	0.116	0.006	0.197		
	3.583-3.780		8-E	4	0.984	0.0984	1.339	0.709	0.116	0.006	0.197		
	<p>Montaj tipi 3</p>  <p>Montaj tipi 4</p> 		1.220-1.417	AFG0629 30 1581	0-I	3	0.984	0.1181	1.339	0.709	0.116	0.006	0.236
			1.417-1.614		1-I	3	0.984	0.1181	1.339	0.709	0.116	0.006	0.236
			1.614-1.811		2-I	3	0.984	0.1181	1.339	0.709	0.116	0.006	0.236
			1.811-2.008		3-I	3	0.984	0.1181	1.339	0.709	0.116	0.006	0.236
2.008-2.205		0-E / 4-I	3/4		0.984	0.1181	1.339	0.709	0.116	0.006	0.236		
2.205-2.402		1-E / 5-I	3/4		0.984	0.1181	1.339	0.709	0.116	0.006	0.236		
2.402-2.598		2-E / 6-I	3/4		0.984	0.1181	1.339	0.709	0.116	0.006	0.236		
2.598-2.795		3-E / 7-I	3/4		0.984	0.1181	1.339	0.709	0.116	0.006	0.236		
2.795-2.992		4-E / 8-I	3/4		0.984	0.1181	1.339	0.709	0.116	0.006	0.236		
2.992-3.189		5-E	4		0.984	0.1181	1.339	0.709	0.116	0.006	0.236		
3.189-3.386		6-E	4		0.984	0.1181	1.339	0.709	0.116	0.006	0.236		
3.386-3.583		7-E	4		0.984	0.1181	1.339	0.709	0.116	0.006	0.236		
3.583-3.780		8-E	4		0.984	0.1181	1.339	0.709	0.116	0.006	0.236		

**+0,2 mm (0.008") ek kapasite elde edilebilir. ** Tavsiye edilen değerler koyu renklidir.
Kanal açma takımlarının ayrıntılı açıklamaları için, bakınız sayfa 594



Not: Deliğin dibine- kanal açma montajı için gerekler :

- bir - Axiabore™ Plus -kafa (A760 03)
- bir MPA (BDA16BS25100)
- kanal açma takımını tutması veya karşı denge ağırlığı görevi görmesi için bir I (iç konum) ve bir E (dış konum) kanal açma takım tutucusu (BAS25FGI35 ve BAS25FGE35) (tablodaki ayar konumuna bakınız)
- kanal genişliğine ve çapına göre tablodan seçilmesi gereken bir -delik dibine- kanal açma takımı (AFG...81).

Talimatlar

Axiabore™ tip kafalar için maksimum hızlar

Uygulamayla ilgili diğer ayrıntılar için baralama kafaları ve GL baralar ile birlikte teslim edilen talimatlara bakınız.

Kafa	Kapasite \varnothing mm (inç)	Takım ile maks. RPM	MPA ile maks. RPM	Min. kapasitede maks. kesme hızı v_c m/dak (feet/min)	Maksimum kesme hızı v_c at max. Cap. m/min (feet/min)
Axiabore™ tip ile Graflex® bağlantı					
A76001	0,3-8 (0.0118-0.315)	30000	–	28* (92*)	754* (2474*)
A76002	2-20 (0.0787-0.787)	12000	–	75* (246*)	754* (2474*)
A76003	6-108 (0.236-4.25)	8000**	5000	151* (495*)	1000*** (3281***)
A76013	6-33 (0.236-1.30)	20000**	5000	377* (1237*)	1500*** (4921***)
Axiabore™ tip ile Seco-Capto™ bağlantı					
C5-391.0760-03	6-108 (0.236-4.25)	8000*	5000	151* (495*)	1000** (3281**)

Not: Maksimum hızlar, baralama kafasının mekanik tasarımı ve balans kalitesiyle ilişkilidir. Diğer işleme koşulları da göz önüne alınarak bu limitler dahilindeki hızlar seçilmelidir, örn. iş parçası malzemesi, kesme kenarı (uç ve takım), takım boyu, tezgah fener mili. Yaklaşık 8000 dev/dak ve daha yüksek hızlarda, tutucu ve ara parçaların balansı hassas şekilde ayarlanmalıdır. Balansı ayarlanabilir kafaların ve hassas balansı ayarlanmış tutucuların kullanılması, daha düşük hızlarda bile takım ömrünü ve baralama performansını artırır.

* Maks. RPM ile maks. kesme hızı düşünülmüştür.

** Tüm takımlarla ulaşılamaz, bakınız ***

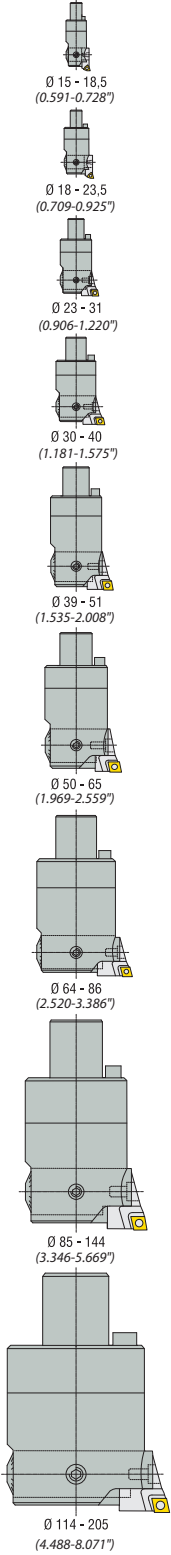
*** Aşılmaması gereken maks. kesme hızı.

Sorun giderme talimatları (Radyal tip hassas baralama kafaları için de geçerlidir)

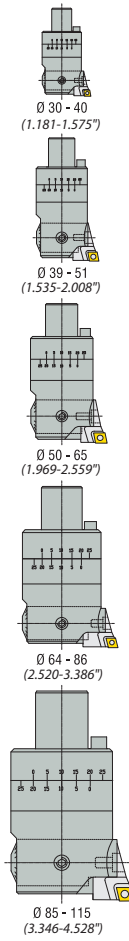
Konum	Olası neden	Çözüm
Kısa takım ömrü	Yanlış uç kalitesi	Daha yüksek aşınma dirençli kalite seçin
	Aşırı kesme hızı	Kesme hızını azaltın
	Aşırı paso miktarı	Paso miktarını azaltın
Sarsıntı ve Titreşimler	Aşırı kesme hızı	Kesme hızını azaltın
	Yüksek B/Ç oranı	Bükülmezlği artırmak için takımı kısaltın
		Daha güçlü baralama takımı kullanın
		Steadyline tutucu kullanın
	Karbür veya ağır metal ara parçalar kullanın	
Yanlış uç	Ucun radyüsünü azaltın	
Yanlış paso miktarı	Bilenmiş geometrilili uçları kullanın	
	Ön delik çapını değiştirin	
Düşük delik çapı toleransı ve tekrarlanabilirliği	Yanlış takım değişiklikleri	Yıpranmış ve hasarlı takım sapı: değiştirin
	Paso miktarı sapması	Fener milini ve takım sapını temizleyin
	Düşük fener mili stabilitesi	Yarı finiş baralama işlemi ekleyin
Düşük yuvarlaklık	Aşırı baralama takımı dengesizliği	Daha keskin bilenmiş geometrilili uçları kullanın
		Fener mili salgısını kontrol edin
		LIBRAFLEX® baralama kafası ile değiştirin
		Balans ayarlama halkası ayarını kontrol edin
	Hızı azaltın	
Aşırı kesme güçleri	Paso miktarını ve ilerleme oranını kontrol edin	
Yetersiz iş parçası bağlantısı	Standart iş parçası bağlantısını kontrol edin	
Asimetrik iş parçası	Kesme güçlerini düşürün, bilenmiş uç kullanın	
Düşük konumsal tolerans	Orijinal delik hizası yanlış	Kesme hızını yükseltin, ilerlemeyi düşürün
	Aşırı paso miktarı	Semi-finiş baralama adımını ekleyin
Kötü yüzey kalitesi	Yanlış uç radyüsü	Paso miktarını düşürün, iki pasoda kesin
	Aşırı ilerleme oranı	Daha geniş uç radyüsünü kullanın
	Kötü talaş boşaltma	İlerlemeyi uç radyüsünün maks. %30'u olacak şekilde azaltın
		İçten soğutma sıvısını uygulayın
Daha yüksek boşluk açısına sahip uç seçin (HSS: lütfen sorun)		
Paso miktarını kontrol edin		
Konik delik	Uçta erken aşınma	Daha yüksek aşınma dirençli kalite seçin
		Kesme hızını değiştirin
		Soğutma sıvısı akışını yükseltin

Genel bakış

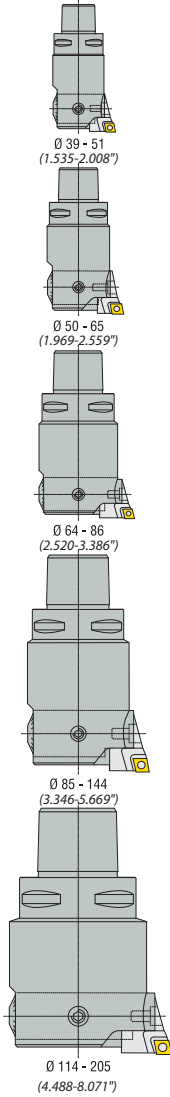
Graflex®



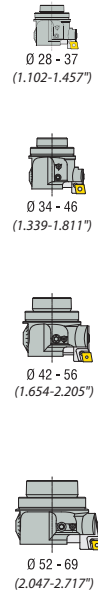
Graflex® balanceable



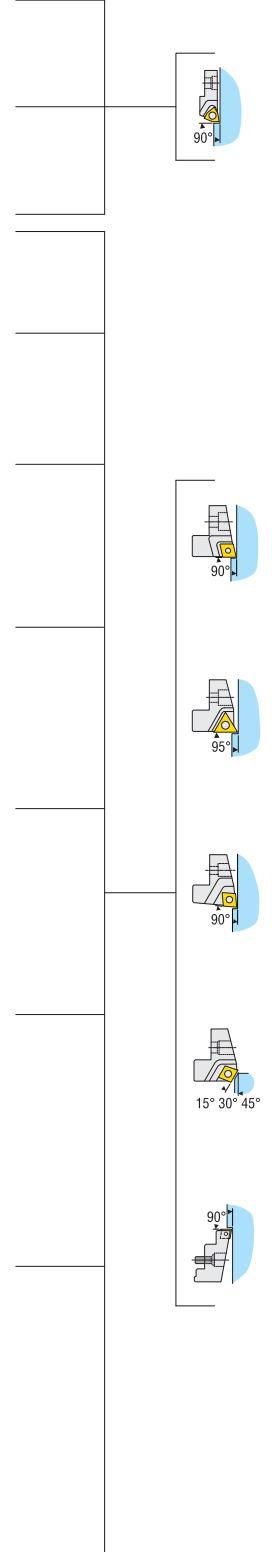
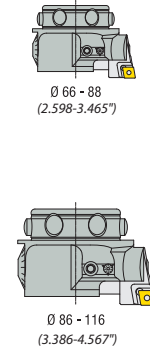
Seco-Capto™



GL bağlantı



BA bağlantı



Giriş

Delme

Raybalama

Baralama

Ek

Hassas baralama kafaları - Rehber

Özellikler

Radyal tip hassas baralama kafası bir gövde (kafa) ve bir kartuştan oluşur. FB 620, FB 780 ve FB 790 radyal, hassas baralama kafaları özellikleri:

Ürün çeşitleri

Seco sizlere tüm işleme ihtiyaçlarınıza en uygun radyal hassas baralama kafaları çeşitlerini sunar:

FB 620, FB 780 ve FB 790 radyal, hassas baralama kafaları özellikleri



- Mikrometrik ayarlama: Mikrometrik ayarlama vidasına sahip kartuş ayar mekanizması (1 artış = çapta 0,01 mm (0,0004 inç)) ve bir verniyer ölçek (çapta 2,5 µm (98,4 µin) çözülme)
- Mekanizmanın hassasiyeti tekrarlanan işlemlerde doğruluğu garanti eder
- Kesme kenarının açısı SA için DIN 69871/ISO 7388 ve HSK için ISO 12164'e göre uygundur
- Soğutma sıvısı kafanın içinden kesme kenarına doğru yönlendirilir
- FB 780 ve FB 620 baralama kafalarının orta çap ayarında balansı önceden ayarlanmıştır. Optimum performans için FB 790'ın balansı ayarlanabilir.

Not: Özellikler, Talimatlar (kartuş montajı, çap ayarı, ters baralama talimatları, sorun giderme, tavsiye edilen işleme koşulları, maksimum hızlar), uygun kartuşlar ve uçlar tezgah tarafı bağlantı tipinden bağımsız olarak benzer baralama kapasitesine sahip FB 620, FB 780 ve FB 790 tip hassas baralama kafasının tüm tipleri ile aynıdır.

FB 620 Hassas baralama kafaları, radyal tip, Steadyline® vibrasyon sönümleyici tutucular için



GL



BA

- Ø 27 - 69 mm (Ø 1,102 - 2,717 inç) arası hassas baralama için GL tezgah tarafı bağlantılı 4 hassas baralama kafası
- Ø 66 - 116 mm (Ø 2,598 - 4,567 inç) arası hassas baralama için BA tezgah tarafı bağlantılı 2 hassas baralama kafası

Steadyline® GL tornalama ve delik baralarında kullanıldığında kompakt tasarımı sayesinde en iyi titreşim sönümlenme performansına ulaşırlar.

FB 780 Hassas baralama kafaları, radyal tip

Ø 15 - 205 mm (Ø 0,591–8,071 inç) arası hassas baralama operasyonları için 9 çeşit Graflex® tezgah tarafı bağlantılı hassas kafa, radyal olarak bağlanan kartuşlar kullanır.

Ø 39 - 205 mm (Ø 1,535 - 8,071 inç) arası hassas baralama için Seco-Capto™ tezgah tarafı bağlantılı 5 hassas baralama kafası.

Seco-Capto™ adaptör ve Graflex® kafa: Ø 15 - 40 mm (Ø 0,591 - 1,575 inç).

Not: Seco-Capto™ bağlantılı en küçük hassas baralama kafası Ø 39 mm'dir (Ø 1,535 inç) ve mevcut en küçük Seco-Capto™ C3 bağlantıya sahiptir. Ø 15 - 40 mm (0,591-1,575 inç) arası için uygun Seco-Capto™/Graflex® adaptör ile birlikte bağlantı ebadı G0-G2 olan Graflex® baralama kafaları kullanın. İlave Graflex® uzatmalar kullanıldığında modüler baralama boyu oluşturma imkanı olur.

Not: Özellikler, Talimatlar (kartuş montajı, çap ayarı, ters baralama talimatları, sorun giderme, tavsiye edilen işleme koşulları, maksimum hızlar), uygun kartuşlar ve uçlar bağlantı tipinden bağımsız olarak benzer baralama kapasitesine sahip FB 780 tip hassas baralama kafasının her iki tipi ile benzerdir.

FB 790 Balansı ayarlanabilir hassas baralama kafaları, radyal tip

Radyal bağlanan kartuşlar ile yüksek hızlarda (1500 m/dak (4921 ft/dak) değerine kadar) Ø 30 ile 115 mm (Ø 1,181 - 4,528 inç) arası hassas baralama için Graflex® tezgah tarafı bağlantılı 5 balansı ayarlanabilir "Libraflex®" baralama kafası.

Balans ayarı fener mili gerilimini azaltır, kesme parametreleri iyileştirilebilir, konvansiyonel hızlarda bile daha iyi işleme kalitesine ulaşılabilir.

Balans ayarı her iki ayar halkasını işlenecek çapa göre ayarlanmasıyla yapılır (Tabloya gerek yoktur).



Özellikler

Kartuşlar

Radyal tip hassas baralama kafası bir gövde (kafa) ve bir kartuştan oluşur.

Geniş hassas baralama, havşa ve ters baralama kartuşları çeşitleri, FB 620, FB 780 ve FB 790 radyal tip hassas baralama kafaları için uygundur.

Hassas baralama kartuşları

FBIH 782: WB uçlar için 90° giriş açısı
FBIH 724: TC uçlar için 90° giriş açısı
FBIH 725: CC uçlar için 90° giriş açısı
FBIH 726: CC uçlar için 95° giriş açısı

Not: Dik kenar baralama sırasında yüzey temasını engellemek için 95° giriş açısına sahip kartuşlar kullanılmalıdır.

Havşa kartuşları, Ø 23 - 160 mm arası (Ø 0,906 - 6,299 inç)

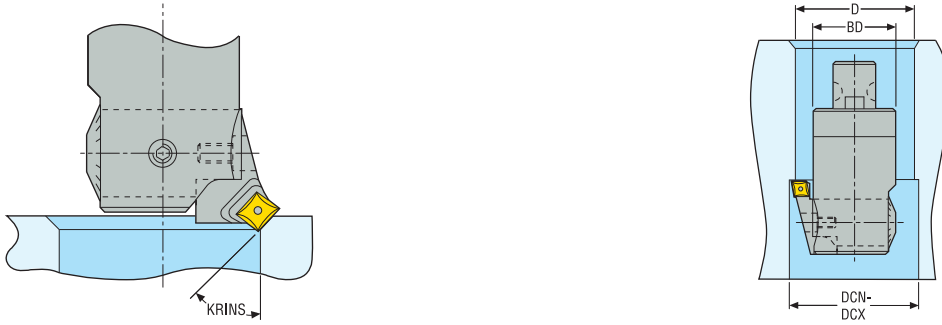
FBIH 729: CC uçlar için 15°, 30° veya 45° giriş açısı mevcuttur.

Libraflex® balans ayarı, havşa kartuşları kullanılırken de yapılabilir.

Ters-baralama kartuşları, Ø 26,5 - 164 mm arası (Ø 1,043 - 6,457 inç)

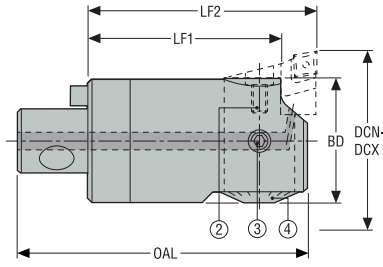
FBIH A789: WB ve CC uçlar için 90° giriş açısı.

Libraflex® balans ayarı ters-baralama kartuşları kullanılırken mümkün değildir. Bu durumda en yüksek dengesizlik azalışı, her iki balans ayarlamaya halkası en yüksek kademelerine ayarlandıklarında elde edilir.



FB780

Graflex®



2. Montaj vidası
3. Sıkma vidası
4. Mikrometrik ayarlama vidası



- Mikrometrik ayarlama ile (çapta artış 0,01 mm ve verniyer 2,5 µm).

Ürün numarası	Ürün Tanımı	Tezgah fener mili tarafı Graflex ebatı	İş parçası tarafı Kapasite		OAL	LF1	LF2	BD	Ağırlık	Kartuş ebadı
			mm İnç	mm İnç						
00056632	A78008	G0	15,0 0.591	18,5 0.728	44,0 1.732	27,5 1.083	35,0 1.378	14,0 0.551	0,1 0.220	09
00056633	A78009	G0	18,0 0.709	23,5 0.925	44,0 1.732	27,5 1.083	35,0 1.378	17,0 0.669	0,1 0.220	09
00072991	A78010	G1	23,0 0.906	31,0 1.220	51,5 2.028	32,5 1.280	40,0 1.575	21,5 0.846	0,11 0.240	10
00072992	A78020	G2	30,0 1.181	40,0 1.575	59,5 2.343	37,5 1.476	45,0 1.772	27,0 1.063	0,22 0.490	20
00072993	A78030	G3	39,0 1.535	51,0 2.008	82,0 3.228	54,5 2.146	65,0 2.559	35,0 1.378	0,5 1.100	30
00072995	A78040	G4	50,0 1.969	65,0 2.559	93,0 3.661	61,5 2.421	72,0 2.835	43,0 1.693	0,8 1.760	40
00072996	A78050	G5	64,0 2.520	86,0 3.386	109,0 4.291	71,5 2.815	82,0 3.228	54,0 2.126	1,49 3.280	50
00056551	A78060	G6	85,0 3.346	144,0 5.669	140,0 5.512	88,5 3.484	105,0 4.134	70,0 2.756	3,1 6.830	60/65
00056552	A78070	G7	114,0 4.488	205,0 8.071	160,0 6.299	98,5 3.878	115,0 4.528	95,0 3.740	6,3 13.890	70/75

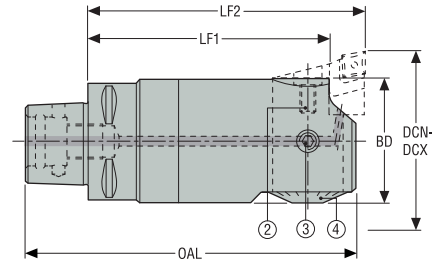
Kartuşlar ayrıca sipariş edilmelidir, bakınız sayfa 618, 619-621
Not, kartuş ağırlığı dahil değildir.

Yedek parçalar

Şu ebat için	Montaj vidası	Anahtar sapı (T-şekil)	Anahtar	Sıkma vidası	Kama
A78008	960D30050S	DOUBLE-T	H4B-H2.0	19A7100403	90M01
A78009	LBHF0306R	DOUBLE-T	H4B-H2.0	19A71000	90M0
A78010	19TB0305	DOUBLE-T	H4B-H2.0	19A71000	90M1
A78020	19TB0305	H4B-H2.0	-	950L0406	90M2
A78030	19TB04075	-	03M03C	950L0608	90M3
A78040	19TB04075	-	03M03C	950L0612	90M4
A78050	950D0410	-	03M03C	950L0616	90M5
A78060	950D0612	DOUBLE-T	H6B-H5.0L	950L1016	90M6
A78070	950D0616	DOUBLE-T	H6B-H5.0L	950L1030	90M7

FB780

Seco-Capto™



- Mikrometrik ayarlama ile (çapta artış 0,01 mm ve verniyer 2,5 µm).

2. Montaj vidası
3. Sıkma vidası
4. Mikrometrik ayarlama vidası

Ürün Tanımı	Ürün numarası	Tezgah fener mili tarafı	İş parçası tarafı Kapasite		OAL	LF1	LF2	BD	Ağırlık	Kartuş ebadı
			DCN-DCX Ø							
			mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	kg lb	
C3-391.0780-30	02809740	C3	39,0 1.535	51,0 2.008	86,0 3.386	59,5 2.343	70,0 2.756	35,0 1.378	0,48 1.060	30
C4-391.0780-40	02809742	C4	50,0 1.969	65,0 2.559	103,0 4.055	71,5 2.815	82,0 3.228	43,0 1.693	0,89 1.960	40
C5-391.0780-50	02809744	C5	64,0 2.520	86,0 3.386	119,0 4.685	81,5 3.209	92,0 3.622	54,0 2.126	1,62 3.570	50
C6-391.0780-60	02809745	C6	85,0 3.346	144,0 5.669	150,0 5.906	100,5 3.957	117,0 4.606	70,0 2.756	3,3 7.280	60
C8-391.0780-70	02809747	C8	114,0 4.488	205,0 8.071	181,0 7.126	121,5 4.783	138,0 5.433	95,0 3.740	7,15 15.760	70

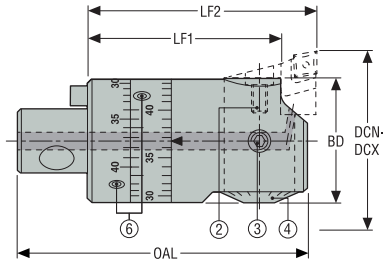
Kartuşlar ayrıca sipariş edilmelidir, bakınız sayfa 618, 619-621
Not, kartuş ağırlığı dahil değildir.

Yedek parçalar

Şu ebat için	Montaj vidası	Anahtar (Bayrak)	Anahtar sapı (T-şekil)	Anahtar	Sıkma vidası
C3-391.0780-30	19TB04075	03M03C	-	-	950L0608
C4-391.0780-40	19TB04075	03M03C	-	-	950L0612
C5-391.0780-50	950D0410	03M03C	-	-	950L0616
C6-391.0780-60	950D0612	-	DOUBLE-T	H6B-H5.0L	950L0616
C8-391.0780-70	950D0616	-	DOUBLE-T	H6B-H5.0L	950L1030

FB780 Libraflex® balanceable

Graflex®



2. Montaj vidası
3. Sıkma vidası 1
4. Mikrometrik ayarlama vidası
6. Sıkma vidası 2

- Mikrometrik ayarlama ile (çapta artış 0,01 mm ve verniyer 2,5 µm).
- Her iki halkayı da işlenecek çapa göre ayarlayarak balans ayarlaması.
- v_c 1.495 m/dak. kesme hızına kadar ve daha fazlası için, bakınız sayfa 622

Ürün numarası	Ürün Tanımı	Tezgah fener mili tarafı Graflex ebatı	İş parçası tarafı Kapasite		OAL	LF1	LF2	BD	Ağırlık	Kartuş ebadı
			mm	mm						
00055932	A79020	G2	30,0 1.181	40,0 1.575	59,5 2.343	37,5 1.476	45,0 1.772	27,0 1.063	0,19 0.420	20
00056005	A79030	G3	39,0 1.535	51,0 2.008	82,0 3.228	54,5 2.146	65,0 2.559	35,0 1.378	0,45 0.990	30
00056006	A79040	G4	50,0 1.969	65,0 2.559	93,0 3.661	61,5 2.421	72,0 2.835	43,0 1.693	0,78 1.720	40
00056007	A79050	G5	64,0 2.520	86,0 3.386	109,0 4.291	71,5 2.815	82,0 3.228	54,0 2.126	1,42 3.130	50
00001451	A79060	G6	85,0 3.346	115,0 4.528	140,0 5.512	88,5 3.484	105,0 4.134	70,0 2.756	2,87 6.330	60

Kartuşlar ayrıca sipariş edilmektedir, bakınız sayfa 618, 619-621
Not, kartuş ağırlığı dahil değildir.

Yedek parçalar

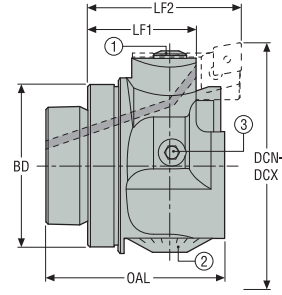
Şu kafa için	Montaj vidası	Anahtar sapı (T-şekil)	Anahtar	Sıkma vidası 1	Sıkma vidası 2	Kama
A79020	19TB0305	DOUBLE-T	H4B-H2.0	950L0406	960D30045S	90M2
A79030	19TB04075	-	03M03C	950L0608	AU7901030	90M3
A79040	19TB04075	-	03M03C	950L0612	AU7901040	90M4
A79050	950D0410	-	03M03C	950L0616	AU7901050	90M51
A79060	950D0612	DOUBLE-T	H6B-H5.0L	950L1016	AU7901060	90M6

FB 620 GL – Hassas baralama kafaları, kompakt, GL bağlantılı

GL



- GL25, GL32, GL40 ve GL50 Steadyline® tornalama ve baralama için tasarlanmıştır.
- Kesme kenarına doğru içten gelen soğutma sıvısı
- Mikrometrik ayarlama ile (çapta artış 0,01 mm ve verniyer 2,5 µm).



1. Montaj vidası
2. Mikrometrik ayarlama vidası
3. Sıkma vidası

Ürün Tanımı	Ürün numarası	Tezgah fener mili tarafı GL ebatı	İş parçası tarafı Kapasite DCN-DCX Ø		OAL	LF1	LF2	BD	Ağırlık	Maks. RPM**
			mm	mm						
GL25-FB620-10	03307855	GL25	27,0 1.063	35,0 1.378	29,5 1.161	17,7 0.697	28,0 1.102	25,0 0.984	0,1 0.220	9000
GL32-0620-20	02904469	GL32	34,0 1.339	46,0 1.811	35,2 1.386	23,75 0.935	32,1 1.264	32,0 1.260	0,13 0.290	7000
GL40-0620-30	02904470	GL40	42,0 1.654	56,0 2.205	40,7 1.602	24,75 0.974	35,1 1.382	40,0 1.575	0,22 0.490	5600
GL50-0620-40	02904471	GL50	52,0 2.047	69,0 2.717	43,7 1.720	25,75 1.014	36,1 1.421	50,0 1.969	0,32 0.710	4800

Kartuşlar ayrıca sipariş edilmelidir, bakınız sayfa 618, 619-621

** Maks. RPM için, Talimatlar sayfalarına bakınız.

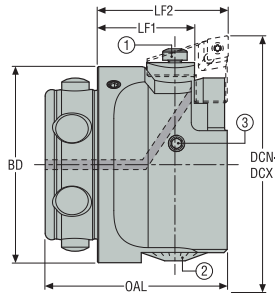
Not, kartuş ağırlığı dahil değildir.

Yedek parçalar

Şu kafa için	Montaj vidası	Anahtar	Anahtar sapı (T-şekil)	Sıkma vidası
GL25-FB620-10	19TB0305	H2.0-2D	–	19A71000
GL32-FB620-20	19TB0305	H4B-H2.0	DOUBLE-T	950L0406
GL40-FB620-30	19TB04075	03M03C	–	950L0608
GL50-FB620-40	19TB04075	03M03C	–	950L0608

FB 620 BA – Hassas baralama kafaları, BA bağlantılı

BA



1. Montaj vidası
2. Mikrometrik ayarlama vidası
3. Sıkma vidası



- BA60 ve BA80 Steadyline® torlama ve baralama için tasarlanmıştır.
- Kesme kenarına doğru içten gelen soğutma sıvısı
- Mikrometrik ayarlama ile (çapta artış 0,01 mm ve verniyer 2,5 µm).

Ürün Tanımı	Ürün numarası	Tezgah fener mili tarafı BA ebatı	İş parçası tarafı Kapasite		OAL	LF1	LF2	BD	Ağırlık	Maks. RPM**
			mm İnç	mm İnç						
BA060-FB620-50	03204094	BA060	65,0 2.559	87,0 3.425	55,7 2.193	29,7 1.169	40,0 1.575	60,0 2.362	0,7 1.540	4000
BA080-FB620-60	03204095	BA080	85,0 3.346	115,0 4.528	58,2 2.291	26,7 1.051	41,2 1.622	80,0 3.150	1,1 2.430	3000

Kartuşlar ayrıca sipariş edilmelidir, bakınız sayfa 576

** Maks. RPM için, Talimatlar sayfalarına bakınız.

Not, kartuş ağırlığı dahil değildir.

Yedek parçalar

Şu kafa için	Montaj vidası	Anahtar (Bayrak)	Anahtar sapı (T-şekil)	Anahtar	Sıkma vidası
BA060-FB620-50	19TB04075	03M03C	-	-	950L0608
BA080-FB620-60	950D0514	-	DOUBLE-T	H6B-H5.0L	950L0608

Giriş

Delme

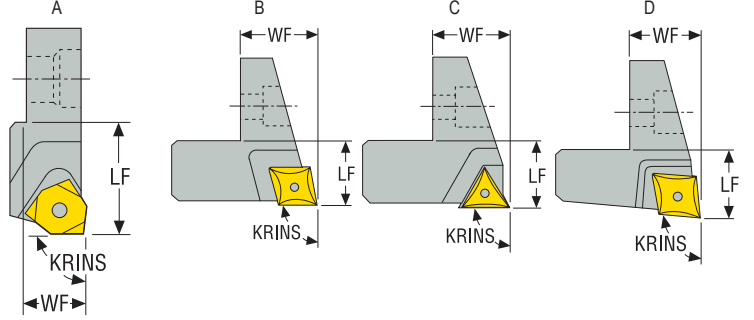
Raybalama

Baralama

Ek

Kartuş

için havşa kartuşları FB 620/ 780/ 790



- Radyal baralama kafaları için uygundur FB 620/ 780/ 790
- **FB A790 tipi kafalar için hassasiyet balansı ayarlama geniş kartuşlar kullanıldığında mümkün değildir.

Ürün Tanımı	Ürün numarası	Ağız aralığı	Kapasite DCN-DCX Ø		LF	WF	Ağırlık	Şu kafa için	KRINS°	**	Kartuş ebadı	Uygun uç ebadı	Tasarım
			mm İnç	mm İnç									
A78209	00056634	90° için WB uçlar	15,0 0.591	23,5 0.925	7,2 0.283	4,0 0.157	0,01 0.020	FB 78008 / FB 78009	90	-	09	WB...0301...	A
A72510	00056580	90° için CC uçlar	23,0 0.906	31,0 1.220	10,3 0.406	4,5 0.177	0,01 0.020	FB 78010 / FB62010	90	-	10	CC...0602...	B
A72520	00056581	90° için CC uçlar	30,0 1.181	46,0 1.811	8,3 0.327	5,0 0.197	0,02 0.040	FB 78020 / FB 79020 / FB 62020	90	-	20	CC...0602...	B
A72530	00056582	90° için CC uçlar	39,0 1.535	56,0 2.205	10,3 0.406	8,0 0.315	0,02 0.040	FB 78030 / FB 79030 / FB 62030	90	-	30	CC...0602...	B
A72540	00056583	90° için CC uçlar	50,0 1.969	69,0 2.717	10,3 0.406	9,5 0.374	0,02 0.040	FB 78040 / FB 79040 / FB 62040	90	-	40	CC...0602...	B
A72550	00056584	90° için CC uçlar	64,0 2.520	86,0 3.386	10,3 0.406	12,5 0.492	0,02 0.040	FB 78050 / FB 79050 / FB 62050	90	-	50	CC...0602...	B
A7256A	02689978	90° için CC uçlar	85,0 3.346	115,0 4.528	14,5 0.571	18,5 0.728	0,05 0.110	BA080-FB620-60	90	-	6A	CC...09T3...	B
A72560	00056585	90° için CC uçlar	85,0 3.346	115,0 4.528	16,5 0.650	18,9 0.744	0,08 0.180	FB 78060 / FB 79060 / FB 731S500	90	-	60	CC...09T3...	B
A72565	00056587	90° için CC uçlar	114,0 4.488	144,0 5.669	16,5 0.650	33,7 1.327	0,09 0.200	FB 78060 / FB 79060 / FB 731S500	90	**	65	CC...09T3...	B
A72570	00056588	90° için CC uçlar	114,0 4.488	160,0 6.299	16,5 0.650	18,9 0.744	0,09 0.200	FB 78070	90	-	70	CC...09T3...	B
A72575	00056589	90° için CC uçlar	159,0 6.260	205,0 8.071	16,5 0.650	41,7 1.642	0,12 0.260	FB 78070	90	-	75	CC...09T3...	B
A72430	00056572	90° için TC uçlar	39,0 1.535	56,0 2.205	10,3 0.406	7,9 0.311	0,01 0.020	FB 78030 / FB 79030 / FB 62030	90	-	30	TC...1102...	C
A72440	00056573	90° için TC uçlar	50,0 1.969	69,0 2.717	10,3 0.406	9,4 0.370	0,02 0.040	FB 78040 / FB 79040 / FB 62040	90	-	40	TC...1102...	C
A72450	00056574	90° için TC uçlar	64,0 2.520	86,0 3.386	10,3 0.406	12,4 0.488	0,02 0.040	FB 78050 / FB 79050 / FB 62050	90	-	50	TC...1102...	C
A72460	00056575	90° için TC uçlar	85,0 3.346	115,0 4.528	16,3 0.642	18,9 0.744	0,08 0.180	FB 78060 / FB 79060 / FB 731S500	90	-	60	TC...1102...	C
A72465	00056577	90° için TC uçlar	114,0 4.488	144,0 5.669	16,5 0.650	33,7 1.327	0,09 0.200	FB 78060 / FB 79060 / FB 731S500	90	**	65	TC...1102...	C
A72470	00056578	90° için TC uçlar	114,0 4.488	160,0 6.299	16,3 0.642	18,9 0.744	0,1 0.220	FB 78070	90	-	70	TC...1102...	C
A72475	00056579	90° için TC uçlar	159,0 6.260	205,0 8.071	16,5 0.650	41,7 1.642	0,13 0.290	FB 78070	90	-	75	TC...1102...	C
A72610	00056590	95° için CC uçlar	23,0 0.906	31,0 1.220	10,3 0.406	4,5 0.177	0,01 0.020	FB 78010	95	-	10	CC...0602...	D
A72620	00056591	95° için CC uçlar	30,0 1.181	46,0 1.811	8,3 0.327	5,0 0.197	0,01 0.020	FB 78020 / FB 79020 / FB 62020	95	-	20	CC...0602...	D
A72630	00056592	95° için CC uçlar	39,0 1.535	56,0 2.205	10,3 0.406	8,0 0.315	0,01 0.020	FB 78030 / FB 79030 / FB 62030	95	-	30	CC...0602...	D
A72640	00056593	95° için CC uçlar	50,0 1.969	69,0 2.717	10,3 0.406	9,5 0.374	0,02 0.040	FB 78040 / FB 79040 / FB 62040	95	-	40	CC...0602...	D

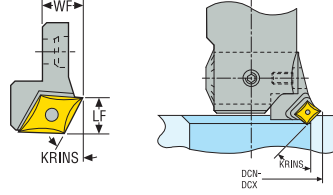
Ürün Tanımı	Ürün numarası	Ağız aralığı	Kapasite DCN-DCX Ø		LF	WF	Ağırlık	Şu kafa için	KRINS°	**	Kartuş ebadı	Uygun uç ebadı	Tasarım
			mm İnç	mm İnç									
A72650	00056594	95° için CC uçlar	64,0 2.520	86,0 3.386	10,3 0.406	12,5 0.492	0,02 0.040	FB 78050 / FB 79050 / FB 62050	95	-	50	CC...0602...	D
A72660	00056595	95° için CC uçlar	85,0 3.346	115,0 4.528	16,5 0.650	18,9 0.744	0,07 0.150	FB 78060 / FB 79060 / FB 731S500	95	-	60	CC...09T3...	D
A72665	00056597	95° için CC uçlar	114,0 4.488	144,0 5.669	16,5 0.650	33,7 1.327	0,09 0.200	FB 78060 / FB 79060 / FB 731S500	95	**	65	CC...09T3...	D
A72670	00056598	95° için CC uçlar	114,0 4.488	160,0 6.299	16,5 0.650	18,9 0.744	0,09 0.200	FB 78070	95	-	70	CC...09T3...	D
A72675	00056599	95° için CC uçlar	159,0 6.260	205,0 8.071	16,5 0.650	41,7 1.642	0,12 0.260	FB 78070	95	-	75	CC...09T3...	D

Yedek parçalar

Şu uç ebadı için	Anahtar	Uç vidası	Anahtar sapı (T-şekil)
WB...0301...	H4B-T06P	C02035-T06P	DOUBLE-T
CC...0602...	H4B-T07P	C02504-T07P	DOUBLE-T
CC...09T3...	H4B-T15P	C04008-T15P	DOUBLE-T
TC...1102...	H4B-T07P	C02504-T07P	DOUBLE-T

Hassas baralama kafaları

için havşa kartuşları FB 620/ 780/ 790



- Radyal baralama kafaları için uygundur FB 620/ 780/ 790

Ürün numarası	Ürün Tanımı	Şu kafa için	Kartuş ebadı	Kapasite DCN-DCX Ø		LF	WF	Ağırlık	KRINS°	Uygun uç ebadı
				mm İnç	mm İnç					
00086885	A72910CC0630	FB 78010	10	23,0 0.906	31,0 1.220	10,8 0.425	4,5 0.177	0,01 0.020	30	CC...0602...
00086888	A72920CC0630	FB 78020 / FB 79020/ GL32-0620-20	20	30,0 1.181	36,0 1.417	10,0 0.394	4,9 0.193	0,01 0.020	30	CC...0602...
00086891	A72930CC0630	FB 78030 / FB 79030 / FB 62030	30	39,0 1.535	56,0 2.205	10,5 0.413	8,1 0.319	0,01 0.020	30	CC...0602...
00086894	A72940CC0630	FB 78040 / FB 79040 / FB 62040	40	50,0 1.969	69,0 2.717	10,5 0.413	9,5 0.374	0,02 0.040	30	CC...0602...
00086897	A72950CC0630	FB 78050 / FB 79050	50	64,0 2.520	86,0 3.386	10,5 0.413	12,5 0.492	0,02 0.040	30	CC...0602...
00086900	A72960CC0930	FB 78060 / FB 79060 / A731S500	60	85,0 3.346	115,0 4.528	16,5 0.650	19,1 0.752	0,08 0.180	30	CC...09T3...
00086903	A72970CC0930	FB 78070	70	114,0 4.488	160,0 6.299	16,4 0.646	18,8 0.740	0,09 0.200	30	CC...09T3...
00086886	A72910CC0645	FB 78010	10	23,0 0.906	31,0 1.220	11,5 0.453	4,5 0.177	0,01 0.020	45	CC...0602...
00086889	A72920CC0645	FB 78020 / FB 79020 / FB 62020	20	30,0 1.181	46,0 1.811	10,0 0.394	5,0 0.197	0,01 0.020	45	CC...0602...
00086892	A72930CC0645	FB 78030 / FB 79030 / FB 62030	30	39,0 1.535	56,0 2.205	10,5 0.413	8,1 0.319	0,01 0.020	45	CC...0602...
00086895	A72940CC0645	FB 78040 / FB 79040 / FB 62040	40	50,0 1.969	69,0 2.717	10,5 0.413	9,5 0.374	0,02 0.040	45	CC...0602...
00086898	A72950CC0645	FB 78050 / FB 79050	50	64,0 2.520	86,0 3.386	10,3 0.406	12,4 0.488	0,02 0.040	45	CC...0602...
00086901	A72960CC0945	FB 78060 / FB 79060 / A731S500	60	85,0 3.346	115,0 4.528	16,5 0.650	19,1 0.752	0,07 0.150	45	CC...09T3...
00086904	A72970CC0945	FB 78070	70	114,0 4.488	160,0 6.299	16,4 0.646	18,8 0.740	0,09 0.200	45	CC...09T3...

Yedek uç sıkma vidası ve anahtar için, bakınız sayfa 654

** Kafa bağlama çubukları ile baralama DC kapasitesi için bakınız sayfa, 630

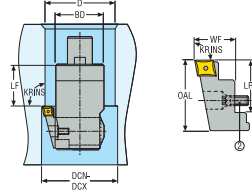
Yedek parçalar

Şu uç ebadı için	Anahtar	Uç vidası	Anahtar sapı (T-şekil)
CC...0602...	H4B-T07P	C02504-T07P	DOUBLE-T
CC...09T3...	H4B-T15P	C04008-T15P	DOUBLE-T



Hassas baralama kafaları

için havşa kartuşları FB 620/ 780/ 790



- Radyal baralama kafaları için uygundur FB 620/ 780/ 790
- FB 790 tip kafalar için hassas balans ayarlamaya, ters-baralama kartuşları kullanıldığında mümkün değildir.
- KRINS 90°
- Uygun uç ebadı: CC...0602...

Ürün Tanımı	Ürün numarası	Şu kafa için	Ters baralama kapasitesi		LF	BD	OAL	LPR	WF	Ağırlık
			DCN-DCX Ø							
			mm	(inç)	mm (inç)	mm (inç)	mm (inç)	mm (inç)	mm (inç)	kg (lb)
A789X10CC0690	00086907	A78010	39,5-47,5	(1.555-1.870)	16,5 (0.650)	21,5 (0.846)	30,5 (1.201)	16,0 (0.630)	12,8 (0.504)	0,01 (0.020)
		A78020 & A79020	46-56	(1.811-2.205)	21,5 (0.846)	27 (1.063)				
		GL32-0620-20	49,7-61,7	(1.957-2.429)	7,75 (0.305)	32 (1.260)				
A789X30CC0690	00086910	A78030 & A79030	53-65	(2.087-2.559)	32 (1.260)	35 (1.378)	30,0 (1.181)	23,0 (0.906)	15,0 (0.591)	0,03 (0.070)
		A78040 & A79040	61-76	(2.402-2.992)	39 (1.535)	43 (1.693)				
		A78050 & A79050	69-91	(2.717-3.583)	49 (1.929)	54 (2.126)				
		GL40-0620-30	57,6-70,2	(2.268-2.764)	1,75 (0.069)	40 (1.575)				
		GL50-0620-40	67,6-80,2	(2.661-3.157)	2,75 (0.108)	50 (1.969)				
A789X60CC0690	00086909	A78060 & A79060 A731S500	89-119 *	(3.504-4.685 *)	50 (1.969)	70 (1.969)	50,0 (1.969)	38,5 (1.516)	21,0 (0.827)	0,09 (0.200)
A789X70CC0690	00086911	A78070	118-164	(4.646-6.457)	60 (2.362)	95 (2.362)	50,0 (1.969)	38,5 (1.516)	21,0 (0.827)	0,1 (0.220)

* Kafa bağlama çubukları ile ters baralama DC kapasitesi için bakınız sayfa, 634

Yedek uç sıkma vidası ve anahtar için, bakınız sayfa 654

Hassas ters-baralama kartuşları ile, normal baralama kafaları için standart sıkma vidası yerine, özel bir kartuş sıkma vidası teslim edilir.

DCN/DCX mini = D+BD / 2 + 0,5 mm (0.02") çaptan 39,5 - 47,5 (1.555" to 1.870")

DCB/DCX mini = D+BD / 2 + 1 mm (0.039") çaptan 46 - 64 (1.811" to 2.520")

Yedek parçalar

Şu ebat için	Montaj vidası	Uç vidası	Anahtar sapı (T-şekil)	Anahtar
A789X10CC0690	950F0308	C02504-T07P	DOUBLE-T	H4B-T07P
A789X30CC0690	950F0410	C02504-T07P	DOUBLE-T	H4B-T07P
A789X60CC0690	950F0620	C02504-T07P	DOUBLE-T	H4B-T07P
A789X70CC0690	950F0620	C02504-T07P	DOUBLE-T	H4B-T07P

FB 780/790 Hassas baralama kafaları – Talimatlar

Tavsiye edilen işleme koşulları

Daha detaylı uygulama bilgisi için baralama kafaları ve GL baralar ile gelen kullanım talimatlarına bakın.

Radyal tip hassas baralama kafaları için maksimum hızlar

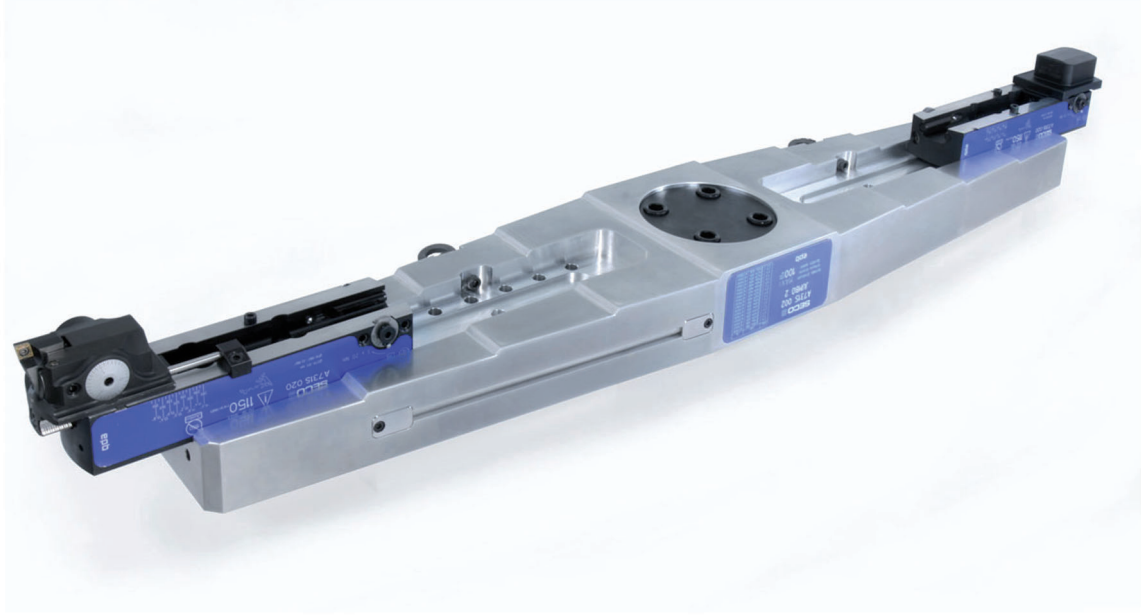
Ürün sayfalarında gösterilen maksimum hızlar, baralama kafasının mekanik tasarımına ve balans ayar kalitesine bağlıdır. Diğer işleme koşulları ile birlikte (ör. iş parçası malzemesi, uç kesme kenarı, çalışma boyu, tezgah fener mili) bu limitler içindeki hızlar seçilmelidir.

Steadyline® baralar ile baralama uygulamaları yaparken, belirtilen maks. RPM değerini asla geçmeyin: Steadyline® baralar ile gelen kullanım talimatlarına bakınız.

Maks. RPM değerinin aşığındaki hızlar kartuşlu kafalar veya pah kırma ucu takılı kafalar içindir. FB 620, FB 790 veya FB 780 tip kafalarda ters baralama kartuşu kullanırken, A780.. tip, benzer ebat için olan maks. RPM kullanın.

Kafa	Kapasite Ø mm (inç)	Maks. RPM	Min. Kapasitede ima edilen maks. kesme hızı v_c m/dak. (feet/min)	Maks. kapasitede ima edilen maks. kesme hızı v_c m/dak. (feet/min)
FB 620 Hassas baralama kafaları, GL ve BA tezgah tarafı bağlantılı, Steadyline® titreşim sönmülemeli torlama ve baralama için				
GL25-FB620-10	27-35 (1.063-1.378)	9000	760 (2493)	1000 (3281)
GL32-FB620-20	34-46 (1.339-1.811)	7000	748 (2454)	1012 (3320)
GL32-FB620-30	42-56 (1.654-2.205)	5600	739 (2425)	985 (3232)
GL32-FB620-40	52-69 (2.047-2.717)	4800	784 (2572)	1040 (3412)
BA060-FB620-50	66-88 (2.598-3.465)	4000	830 (2723)	1105 (3625)
BA080-FB620-60	86-116 (3.386-4.567)	3000	810 (2657)	1093 (3586)
FB 790 Hassas baralama kafaları, balanceable, ile Graflex® bağlantı				
A79020	30-40 (1.181-1.575)	16000	1508 (4948)	2011 (6598)
A79030	39-51 (1.535-2.008)	12250	1501 (4925)	1963 (6440)
A79040	50-65 (1.969-2.559)	10000	1571 (5154)	2042 (6699)
A79050	64-86 (2.520-3.386)	7500	1508 (4948)	2026 (6647)
A79060	85-115 (3.346-4.528)	5600	1495 (4905)	2023 (6637)
FB 780 Hassas baralama kafaları, ile Graflex® bağlantı				
A78008	15-18,5 (0.591-0.728)	16000	754 (2474)	930 (3051)
A78009	18-23,5 (0.709-0.925)	13000	735 (2411)	960 (3150)
A78010	23-31 (0.906-1.220)	10000	723 (2372)	974 (3196)
A78020	30-40 (1.181-1.575)	8000	754 (2474)	1005 (3297)
A78030	39-51 (1.535-2.008)	6000	735 (2411)	961 (3153)
A78040	50-65 (1.969-2.559)	5000	785 (2575)	1021 (3350)
A78050	64-86 (2.520-3.386)	3700	744 (2441)	1000 (3281)
A78060	85-115 (3.346-4.528)	2700	721 (2365)	975 (3199)
	114-144 (4.488-5.669)	2200	788 (2585)	995 (3264)
A78070	114-160 (4.488-6.299)	2000	716 (2349)	1005 (3297)
	159-205 (6.260-8.071)	1600	799 (2621)	1030 (3379)
FB 780 Hassas baralama kafaları ile Seco-Capto™ bağlantı				
C3-391.0780-30	39-51 (1.535-2.008)	6000	735 (2411)	961 (3153)
C4-391.0780-40	50-65 (1.969-2.559)	5000	785 (2575)	1021 (3350)
C5-391.0780-50	64-86 (2.520-3.386)	3700	744 (2441)	1000 (3281)
C6-391.0780-60	85-115 (3.346-4.528)	2700	721 (2365)	975 (3199)
	114-144 (4.488-5.669)	2200	788 (2585)	995 (3264)
C8-391.0780-70	114-160 (4.488-6.299)	2000	716 (2349)	1005 (3297)
	159-205 (6.260-8.071)	1600	799 (2621)	1030 (3379)

Not: Maksimum hızlar, baralama kafasının mekanik tasarımı ve balans kalitesiyle ilişkilidir. Diğer işleme koşulları da göz önüne alınarak bu limitler dahilindeki hızlar seçilmelidir, öm. iş parçası malzemesi, kesme kenarı (uç), takım boyu, tezgah fener mili. Yaklaşık 8000 dev/dak ve daha yüksek hızlarda, tutucu ve ara parçaların balansı hassas şekilde ayarlanmalıdır.

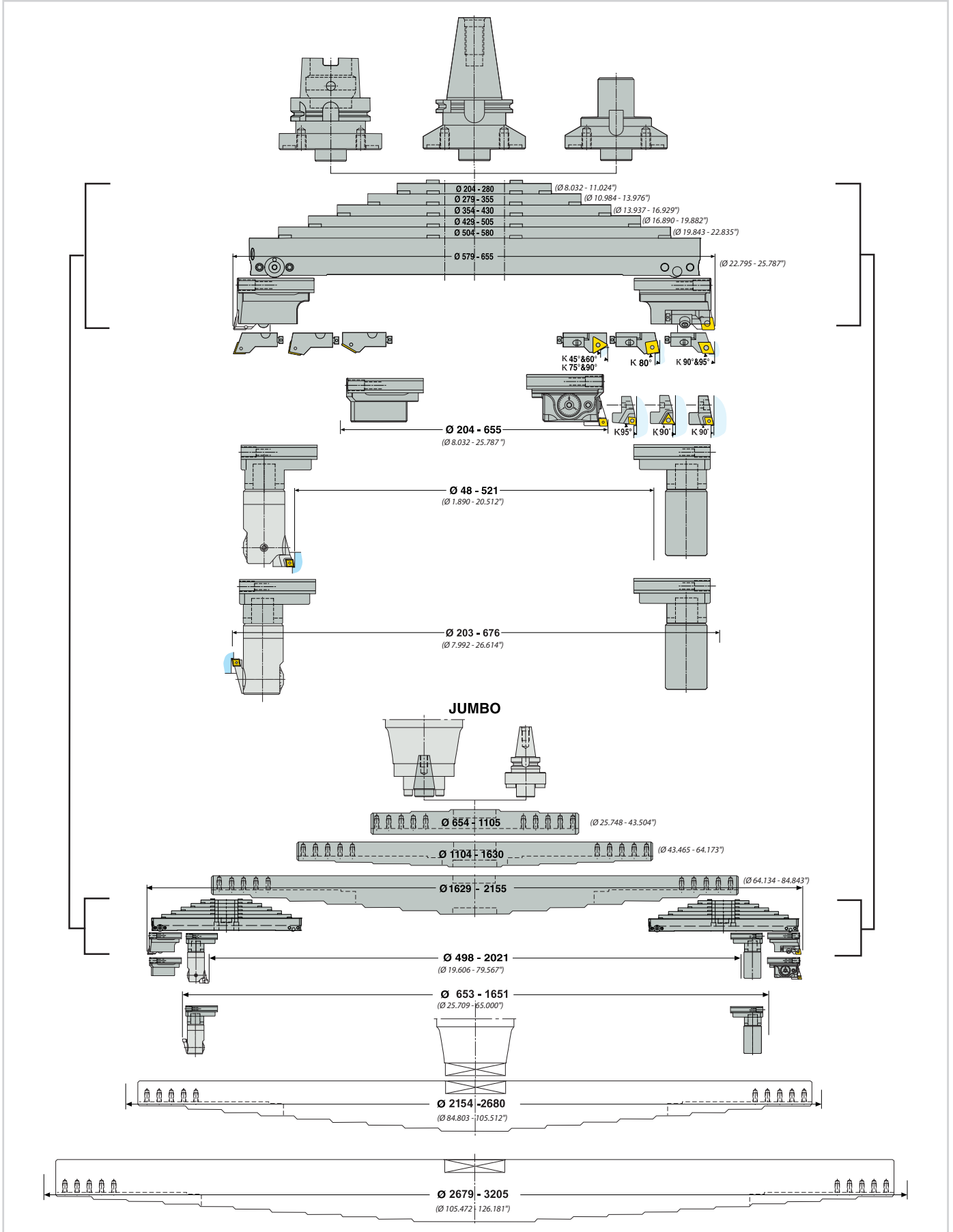


Kafa bağlama çubukları

Seco, geniş çaplı baralama ve dış çap baralama operasyonları için Kafa Bağlama Çubukları ve Jumbo Kafa Bağlama Çubuklarından oluşan kapsamlı ürün çeşitleri sunar.

- Çok yönlülük için tasarlanmış Kafa Bağlama Çubukları, standart ürünler olarak 204 - 655 mm (8,03 - 25,78 inç) çap aralığını kapsayan çok çeşitli çaplarda mevcuttur
- Seco Jumbo Kafa Bağlama Çubukları çelik arayüzlere sahip yüksek gerilime dayanımlı alüminyumdan yapılmıştır ve 654 - 2155 mm (25,75 - 84,843 inç) çap aralığını kapsar

Genel bakış



Giriş

Delme

Raybalama

Baralama

Ek

Özellikler

Baralama için 5 Kafa bağlama çubuğu

Ø 654 - 3205 mm (Ø 25,748 - 126,181 inç), ayrıca Dış Çap baralama Ø 498 - 3071 mm (Ø 19,606 - 120,906 inç) ve ters-baralama Ø 653 - 3226 mm (Ø 25,709 - 127,008 inç).

Jumbo kafa bağlama çubukları fener mili çeliği arayüzlü yüksek gerilme dayanımlı alüminyumdan yapılmıştır ve iki klasik bağlama çubuğunu değişik pozisyonlarda tutmak için tasarlanmıştır.

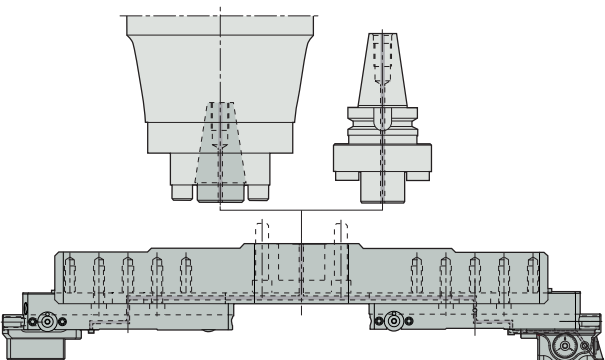
A731S004-... * ve A731S005-... * ebatlar, tezgaha göre standart ya da özel fener mili bağlantı olanakları ile sipariş üzerine yapılır.

A731S001, 002, 003 ebatlar bir frezeleme takımı tutucusuna bağlanabilmesi için 4 sıkma vidası ile teslim edilir. Flanşlı bağlantı Tip 569, malafa Ø 60 mm (Ø 2,362 inç) ya da aksesuarlarda görülen merkezleme malafası kullanarak doğrudan makinenin fener miline bağlanabilir (DIN 2079/50 iş parçası tarafı). Jumbo kafa bağlama çubukları iki adet kaldırma halkası ile teslim edilir.

Kapasite Ø mm (inç)	Ürün Tanımı	Boyutlar/mm (İnç), Ürün sayfalarındaki çizimlere bakınız							
		DCB	LF	HTB	LB	CBDP	WB	DCON	Ağırlık
2154-2680 (84.803-105.512")	A731S004-...*	*	70 (2.75591")	300 (11.811")	160 (6.29921")	*	2140 (84.25197")	*	*
2679-3205 (105.472-126.181")	A731S005-...*	*	110 (4.33071")	400 (15.748")	200 (7.87402")	*	2665 (104.9213")	*	*

* tanımlama kodları ve ölçüler fener mili tipine bağlı olarak tamamlanır.

Jumbo Kafa Bağlama Çubukları ana özellikleri



"S" Jumbo kafa bağlama çubukları tutucunun veya flanşın içinden soğutma sıvısı özelliğine ve standart Kafa bağlama çubuğu için tamamlayıcı iki sıkma vidasına sahiptir.

Not! Yeni 'S' Jumbo kafa bağlama çubukları tüm klasik kafa bağlama çubuklarını tutabilir (yeni 'S', veya önceki model): önceki modeli kullanırken ilave sıkma vidaları kullanılmaz. İçten soğutma sıvısı sadece 'S' Jumbo kafa bağlama çubukları ve 'S' standart kafa bağlama çubukları için mümkündür. Balans ayarını tutturmak için yeni ve eski standart blokları aynı Jumbo Büyük çap için kafa bağlama çubuğuna takmayın.

Özellikler

Baralama için 6 Kafa bağlama çubuğu

Ø 204 - 655 mm (Ø 8,032 - 25,787 inç), ayrıca Dış Çap baralama Ø 48 - 521 mm (Ø 1,890 - 20,512 inç) ve ters-baralama.

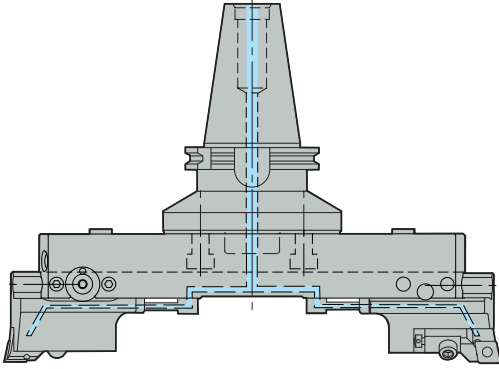
Büyük çap için kafa bağlama çubukları, çubukların doğrudan göbektelere bağlanması (SA ve HSK) veya Graflex® adaptöre bağlanması için Ø 130 mm (Ø 5,118 inç) tezgah fener mili tarafı bağlantısına sahiptir.

Graflex® adaptör kullanırken, fener mili flanş bağlantısının yanı sıra uzatmalar da mümkündür, bakınız Graflex® modüler sistem. Magazinde kolay saklama için Büyük çap için kafa bağlama çubuğunun, tutucu üzerinde veya Graflex® adaptörde her 30° de açılabilir konuma sahiptir.

Büyük çap için kafa bağlama çubukları kaba, hassas veya denge ağırlığı Graflex® bloklarını tutabilir.

Bloklar için 'kam' tahrikli bir mekanizma (radyüste 38 mm strok) ve 3 adet baskı parçası vidası aracılığıyla kolay montaj ve ayarlama imkanı. Büyük çap için kafa bağlama çubukları, bloke durumdaki 2 içten soğutma sıvısı kanalları ile birlikte teslim edilir. Kafa bağlama çubuğunun sabitleme pimine bağlı olan bloğun ayar vidası kullanılarak çap ayarı (radyüste 38 mm (Ø 1,496 inç) strok) için kesin ve kademesiz blok kaydırma.

Böylece soğutma sıvısı direkt olarak kesme kenarlarına iletilir.



İşlenecek Dış Çap-tornalama veya ters-baralama çapına bağlı olarak, Jumbo ve normal kafa bağlama çubuğu seçimi için kafa bağlama çubuğu seçim tablolarına bakın, sayfa 629-634.

Maks. RPM, bkz. sayfa 640.

Not! Bu kafa bağlama çubukları (Parça No. A731S 0_0) eski tip baralama bloklarını tutmaz (Parça No. A731 _00 -S içermez-).

Özellikler

Kaba baralama bloğu

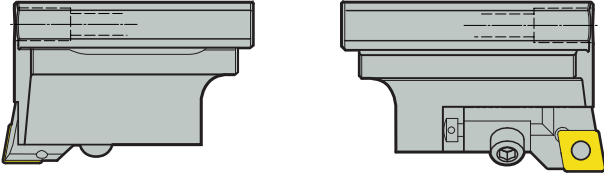
Geniş bir ikiz kaba baralama kafası, her biri birer kartuşla donatılmış iki kaba baralama bloğu kullanılarak monte edilir. İçten soğutma sıvısı olan kaba baralama bloğu,soğutma sıvısını doğrudan kesme kenarına yönlendirir.

Graflex® adaptör kullanırken, fener mili flanş bağlantısının yanı sıra uzatmalar da mümkündür, bakınız Graflex® modüler sistem.

Magazinde kolay saklama için Büyük çap için kafa bağlama çubuğunun, tutucu üzerinde veya Graflex® adaptörde her 30° de açılabilir konuma sahiptir.

Büyük çap için kafa bağlama çubukları kaba, hassas veya denge ağırlığı Graflex® bloklarını tutabilir.

Kartuşlar



Geniş bir kartuş yelpazesi mevcuttur:

- 90° giriş açısına sahip kartuşlar, daha az güç tüketimi amacıyla kaba işleme uygulamalarının çoğunda tavsiye edilir.
- 80° giriş açısına sahip kartuşlar, açık delikler (ve havşalama) için özellikle de dökme demirde çıkış hatalarını engellemek üzere tavsiye edilir. Güç tüketimi daha fazladır.
- ISO5611/h1 = 16 mm (0,629 inç) bağlantı arayüzüne sahip diğer kartuşlar uygundur.

NOT! İki kartuş aynı çap üzerinde simetrik veya kademeli konumda ayarlanabilir. Kartuş köşe şimi aksesuar olarak mevcuttur (Parça No. 18LS0316). Montaj ve ayar prosedürleri, bkz. sayfa 629-634.

Hassas baralama bloğu ve denge ağırlık bloğu

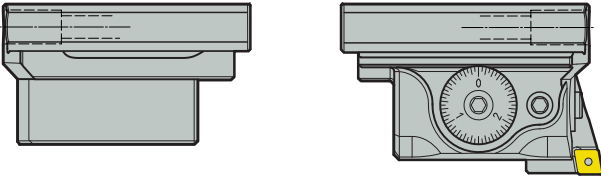
Geniş bir hassas baralama kafası, hassas bir baralama bloğundan ve bir denge ağırlığı bloğundan oluşur.

Hassas baralama bloğunun kartuş ayar mekanizması mikrometrik ayar vidası ile (1 artış = çapta 5 mm (0,197 inç)) mevcuttur. Ayar sistemi korumalıdır ve ömür boyu yağlama özelliğine sahiptir.

Mekanizmanın hassasiyeti tekrarlanan işlemlerde doğruluğu garanti eder. Ayar vidası kolay erişim için bloğun yanına yerleştirilmiştir.

İçten soğutma sıvısı olan hassas baralama bloğu,soğutma sıvısını doğrudan kesme kenarına yönlendirir.

A72460, A72560 veya A72660 uygun hassas baralama uç tutucuları



Uygun hassas baralama kartuşları A72460, A72560 veya A72660 ayrıca sipariş edilmelidir. Hassas baralama kafaları, radyal tip ile aynıdır, bkz. sayfa 618, 619.

Montaj ve ayar prosedürleri, bkz. sayfa 629-634.

Özellikler

Graflex® baralama blokları, Dış çap-tornalama veya ters-baralama için

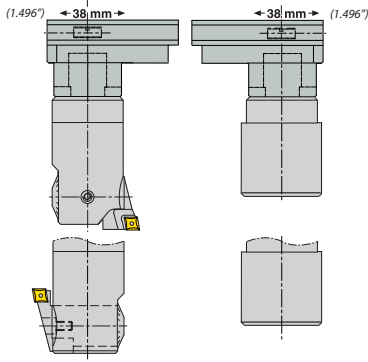
Bu blok, bağlantı ebadı G5 olan dışı bir Graflex® bağlantısına sahiptir.

G5 modül ölçüsüne sahip olan herhangi bir Graflex® baralama kafası, özel takım veya standart Graflex® bağlanabilir. Yandaki şekilde görüldüğü gibi Büyük Çap kafa bağlama çubuğuna iki Graflex® baralama bloğuna takılmış dış çap baralama kartuşlu (ör. A72550 için Dış Çap-tornalama) veya Dış Çap-tornalama kartuşlu (ör. A789X30CC0690) Graflex® hassas baralama kafası A78050 ile birlikte Graflex® karşı denge ağırlığı (ör. BM050W78050) monte edilebilir.

Bloкта iki Graflex® modülü konumu mümkündür, çünkü 2x2 tamamı yuvarlak vida konumu sayısı iki katıdır ve 180°'de yerleştirilmiş iki kama çentiği mevcuttur. İçten soğutma sıvısı olan hassas baralama bloğu, soğutma sıvısını doğrudan kesme kenarına yönlendirir.

Montaj ve ayar prosedürleri, bkz. sayfa 629-634.

Graflex® baralama blokları, Dış çap-tornalama veya ters-baralama için



Bu baralama blokları (Parça No. A731S 400, A731S 500, A731S 600, A731S 40128) ayrıca eski tip kafa bağlama çubuklarına bağlanabilir (Parça No. A731 0_0 -S içermez-).

Eski tip kafa bağlama çubukları için olan montaj ve maks. RPM talimatları geçerlidir.

Balans ayarını tutturmak için yeni ve eski blokları aynı kafa bağlama çubuğuna takmayın.

NOT! Bu yeni baralama blokları ayrıca eski tip kafa bağlama çubuklarına bağlanabilir

"İçten soğutma sıvısı" aksesuarları seçimi için tavsiyeler

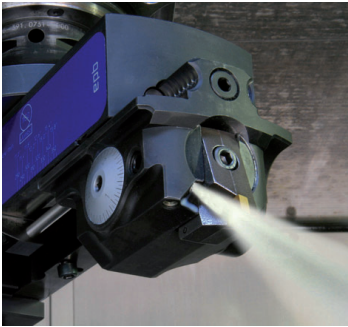
Kaba işleme (2 kaba baralama bloğu ile kafa bağlama çubuğu):

Soğutma sıvısını her iki kesme kenarına yönleltmek için kafa bağlama çubuğuna bağlamak üzere 2 soğutma sıvısı boru bağlayıcı (Parça No. AU731S00700) ve kaba baralama bloğuna takmak üzere 2 yönlendirilebilir soğutma sıvısı memesi (Parça No. AU731S40700) kullanın. Bloğun kanallarından normal içten soğutma sıvısı için kafa bağlama çubuğuna bağlamak üzere 2 soğutma sıvısı boru bağlayıcı (Parça No. AU731S00700) kullanın.

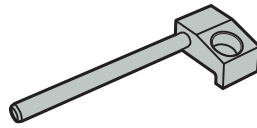
Hassas baralama (1 hassas baralama bloğu ve 1 denge ağırlığı ile kafa bağlama çubuğu):

Hassas baralama bloğuna bağlamak için kafa bağlama çubuğuna 1 soğutma sıvısı boru bağlayıcı (Parça No. AU731S00700) takın. Hassas baralama bloğu zaten soğutma sıvısı memesine sahip olduğu için soğutma sıvısı yönlendirmesi yapılabilir.

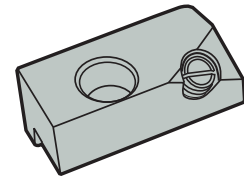
Dış çap-tornalama (örn. bir hassas baralama kafası ve bir karşı denge ağırlığı olan 2 Graflex® baralama bloğuna sahip kafa bağlama çubuğu): Graflex® baralama bloğuna bağlamak için kafa bağlama çubuğuna 1 soğutma sıvısı boru bağlayıcı (Parça No. AU731S00700) takın. Graflex® baralama bloğunun merkezi soğutma sıvısı kanalları baralama kafasına sıvıyı iletacaktır



Soğutma sıvısı boru bağlayıcı
(Parça No. AU731S00700)



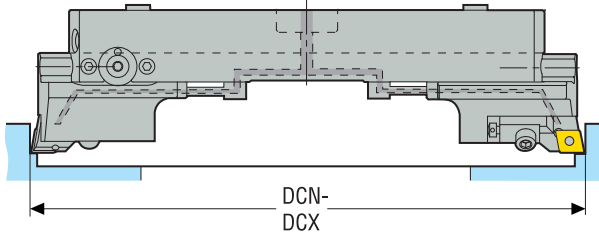
Yönlendirmeli soğutma sıvısı memesi
(Parça No. AU731S40700)



NOT! İzin verilen soğutma sıvısı basıncı = maksimum 70 bar.

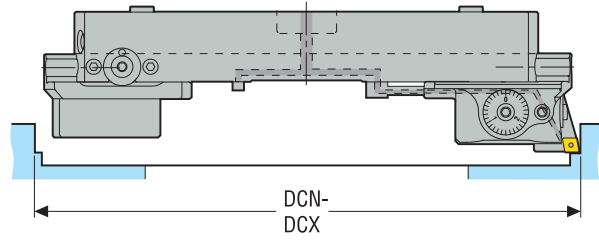
Kafa bağlama çubuğu inşa etmek için

Ø 655 mm'ye (Ø 25.787 inç) kadar olan kaba baralama montajı için: 1 Kafa bağlama çubuğu (A731S 0_0) + 2 kartuşlu 2 kaba baralama bloğu (2 adet A731S 400)*.



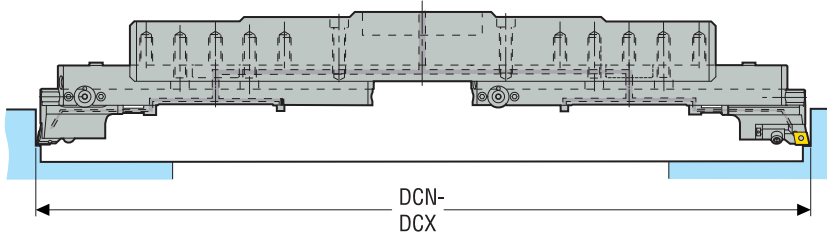
Şek. 1

Ø 655 mm'ye (Ø 25.787 inç) kadar olan hassas baralama montajı için: 1 Kafa bağlama çubuğu (A731S 0_0) + 1 tane 60'lık kartuş bağlayan 1 tane hassas baralama bloğu (A731S 500)** + 1 Denge ağırlığı bloğu (A731S 600).



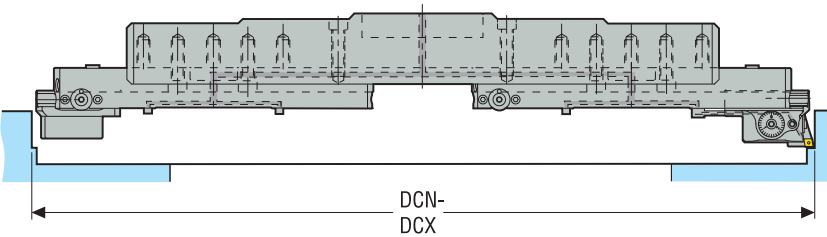
Şek. 2

Ø 3205 mm'ye (Ø 126.181 inç) kadar olan kaba baralama montajı için: 1 Jumbo kafa bağlama çubuğu (A731S 00_) + 2 kafa bağlama çubuğu (A731S 0_0) + 2 kartuşlu 2 kaba baralama bloğu (2 adet A731S 400)*.



Şek. 3

Ø 3205 mm'ye (Ø 126.181 inç) kadar olan hassas baralama montajı için: 1 Jumbo kafa bağlama çubuğu (A731S 00_) + 2 kafa bağlama çubuğu (A731S 0_0) + 1 tane 60'lık kartuş bağlayan 1 tane hassas baralama bloğu (A731S 500)** + 1 Denge ağırlığı bloğu (A731S 600).



Şek. 4

* Kartuşlar ayrıca sipariş edilmelidir.

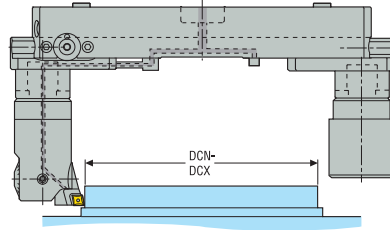
** Kartuşlar ayrıca sipariş edilmelidir.

**Büyük çap kafa bağlama çubuğu inşa etmek için:
İstlenen BARALAMA çapını oluşturmak için kafa bağlama çubuğu montaj şeması**

Baralama için DCN-DCX Ø mm	Baralama için DCN-DCX Ø İç	Jumbo çap baralama çubuğu	Klasik Kafa bağlama çubukları	Kaba baralama için		Hassas baralama için	
				Şkl.	Şkl.		
204-280	8.031-11.024	-	A731S 010	2x A731S 400 + 2 kartuşlar	1	A731S 500 + 1 kartuş + A731S 600	2
279-355	10.984-13.976	-	A731S 020				
354-430	13.937-16.929	-	A731S 030				
429-505	16.890-19.882	-	A731S 040				
504-580	(19.843-22.835	-	A731S 050				
579-655	22.795-25.787	-	A731S 060				
654-805	25.748-31.693	A731S 001	2x A731S 010	2x A731S 400 + 2 kartuşlar	3	A731S 500 + 1 kartuş + A731S 600	4
654-880	25.748-34.646		2x A731S 020				
804-955	31.654-37.598		2x A731S 030				
879-1030	34.606-40.551		2x A731S 040				
1029-1105	40.512-43.504		2x A731S 050				
1104-1255	43.465-49.409	A731S 002	2x A731S 010	2x A731S 400 + 2 kartuşlar	3	A731S 500 + 1 kartuş + A731S 600	4
1104-1330	43.465-52.362		2x A731S 020				
1179-1405	46.417-55.315		2x A731S 030				
1254-1480	49.370-58.268		2x A731S 040				
1329-1555	52.323-61.220		2x A731S 050				
1404-1630	55.276-64.173		2x A731S 060				
1629-1780	64.134-70.079		2x A731S 010				
1629-1855	64.134-73.031	2x A731S 020					
1704-1930	67.087-75.984	2x A731S 030					
1779-2005	70.039-78.937	2x A731S 040					
1854-2080	72.992-81.890	2x A731S 050					
1929-2155	75.945-84.843	2x A731S 060					
2154-2305	84.803-90.748	2x A731S 010	2x A731S 400 + 2 kartuşlar	3	A731S 500 + 1 kartuş + A731S 600	4	
2154-2380	84.803-93.701	2x A731S 020					
2229-2455	87.756-96.654	2x A731S 030					
2304-2530	90.709-99.606	2x A731S 040					
2379-2605	93.661-105.512	2x A731S 050					
2454-2680	96.614-105.512	2x A731S 060					
2679-2830	105.472-111.417	2x A731S 010					2x A731S 400 + 2 kartuşlar
2679-2905	105.472-114.370	2x A731S 020					
2754-2980	108.425-117.323	2x A731S 030					
2829-3055	111.378-120.276	2x A731S 040					
2904-3130	114.331-123.228	2x A731S 050					
2979-3205	117.283-126.181	2x A731S 060					

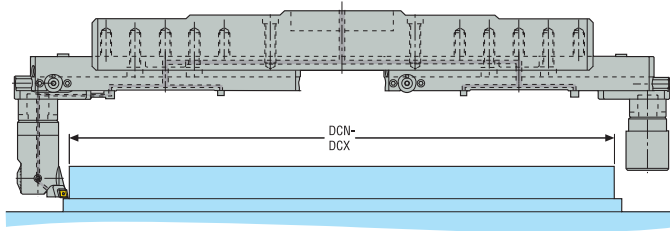
Dış Çap-tornalama montajları oluşturmak için:

Ø 521 mm'ye (Ø 20.512 inç) kadar olan hassas Dış Çap-baralama montajı için: 1 Kafa bağlama çubuğu (A731S 0_0) + 2 Graflex® blok (2 adet A731S 40128) + ör. 1 tane 60'lık kartuş bağlayan 1 tane hassas baralama bloğu (A780 50)* + 1 denge ağırlığı (BM050W78050).



Şek. 1

Ø 3205 mm'ye (Ø 120.906 inç) kadar olan kaba baralama montajı için: 1 Jumbo kafa bağlama çubuğu (A731S 00_) + 2 kafa bağlama çubuğu (A731S 0_0) + 2 kartuşlu 2 kaba baralama bloğu (2 adet A731S 400)*.



Şek. 2

* Kartuşlar ayrıca sipariş edilmelidir.

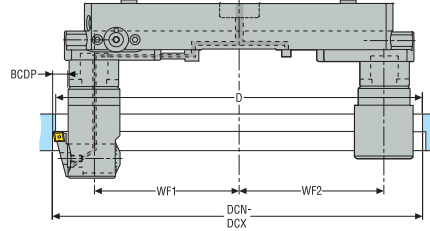
Dış Çap-baralama çubuğu oluşturmak için:

İstlenen Dış Çap-baralama çapını oluşturmak için kafa bağlama çubuğu montaj şeması

Dış Çap-baralama için DCN-DCX Ø mm	Dış Çap-baralama için DCN-DCX Ø İç	Jumbo çap baralama çubuğu	Klasik Kafa bağlama çubukları	Hassas Dış Çap-baralama için	Şkl.
48-146	1.890-5.748	-	A731S 010	2x A731S 40128 + 1x A780 50 + 1 kartuş + 1x BM050W78050	1
123-221	4.843-8.701	-	A731S 020		
198-296	7.795-11.654	-	A731S 030		
273-371	10.748-14.606	-	A731S 040		
348-446	13.701-17.559	-	A731S 050		
423-521	16.654-20.512	-	A731S 060		
498-671	19.606-26.417	A731S 001	2x A731S 010	2x A731S 40128 + 1x A780 50 + 1 kartuş + 1x BM050W78050	2
498-746	19.606-29.370		2x A731S 020		
648-821	25.512-32.323		2x A731S 030		
723-896	28.465-35.276		2x A731S 040		
873-971	34.370-38.228		2x A731S 050		
948-1121	37.323-44.134	A731S 002	2x A731S 010	2x A731S 40128 + 1x A780 50 + 1 kartuş + 1x BM050W78050	2
948-1196	37.323-47.087		2x A731S 020		
1098-1271	43.228-50.039		2x A731S 030		
1173-1346	46.181-52.992		2x A731S 040		
1323-1421	52.087-55.945		2x A731S 050		
1398-1496	55.039-58.898		2x A731S 060		
1473-1646	57.992-64.803	A731S 003	2x A731S 010	2x A731S 40128 + 1x A780 50 + 1 kartuş + 1x BM050W78050	2
1473-1721	57.992-67.756		2x A731S 020		
1623-1796	63.898-70.709		2x A731S 030		
1698-1871	66.850-73.661		2x A731S 040		
1848-1946	72.756-76.614		2x A731S 050		
1923-2021	75.709-79.567		2x A731S 060		
1998-2171	78.661-85.472	A731S 004	2x A731S 010	2x A731S 40128 + 1x A780 50 + 1 kartuş + 1x BM050W78050	2
1998-2246	78.661-88.425		2x A731S 020		
2148-2321	84.567-91.378		2x A731S 030		
2223-2396	87.520-94.331		2x A731S 040		
2373-2471	93.425-97.283		2x A731S 050		
2448-2546	96.378-100.236		2x A731S 060		
2523-2696	99.331-106.142	A731S 005	2x A731S 010	2x A731S 40128 + 1x A780 50 + 1 kartuş + 1x BM050W78050	2
2523-2771	99.331-109.094		2x A731S 020		
2973-2846	117.047-112.047		2x A731S 030		
2748-2921	108.189-115.000		2x A731S 040		
2898-2996	114.094-117.953		2x A731S 050		
2973-3071	117.047-120.906		2x A731S 060		

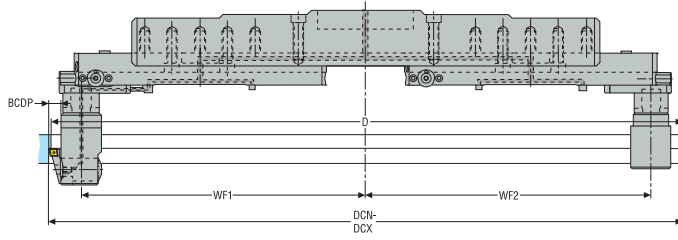
B. Çap kafa bağlama çubuğu ters-baralama montajı için:

Ø 676 mm'ye (Ø 26,614 inç) kadar olan hassas - baralama montajı için: 1 Kafa bağlama çubuğu (A731S 0_0) + 2 Graflex® blok (2 adet A731S 40128) + ör. 1 tane 50'lik kartuş bağlayan 1 tane hassas baralama bloğu (A780 50)* + 1 denge ağırlığı (BM050W78050).



Şek. 1

Ø 3226 mm'ye (Ø 127,008 inç) kadar olan hassas - baralama montajı için: 1 Jumbo kafa bağlama çubuğu (A731S 00_) + 2 kafa bağlama çubuğu (A731S 0_0) + ör. 1 tane 50'lik ters kartuş bağlayan hassas baralama kafası (A780 50)* + 1 denge ağırlığı (BM050W78050).



Şek. 2

* Kartuşlar ayrıca sipariş edilmelidir.

Minimum çap erişebilirliğinin belirlenmesi (D min)

Balans ayar durumu: $WF1 = WF2$

$D_{min} = DC + 5 - BCDP$

BCDP = Uçun kesme kenarı ve bağlı baralama kafasının gövdesi A78050 arasındaki mesafe ($7,5 < BCDP < 18,5$).

İki aşırı durum:

A78050 baralama kafası min. kapasiteye ayarlı:

$D_{min} = DCN - 2,5$

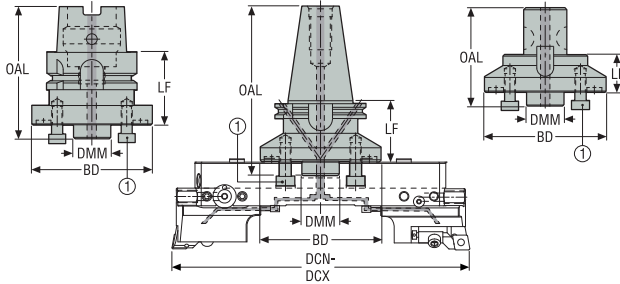
A78050 baralama kafası maks. kapasiteye ayarlı:

$D_{min} = DCX - 13,5$

**Büyük çap kafa bağlama çubuğu ters-baralama montajı için:
İstlenen TERS-BARALAMA çapını oluşturmak için kafa bağlama çubuğu montaj şeması**

Ters baralama için DCN-DCX Ø mm	Ters baralama için DCN-DCX Ø İnç	Jumbo çap baralama çubuğu	Klasik Kafa bağlama çubukları	Hassas ters baralama için	Şkl.
203-301	7.992-11.850	-	A731S 010	2x A731S 40128 + 1x A780 50 + 1 ters baralama kartuşu + 1x BM050W78050	1
278-376	10.945-14.803	-	A731S 020		
353-451	13.898-17.756	-	A731S 030		
428-526	16.850-20.709	-	A731S 040		
503-601	19.803-23.661	-	A731S 050		
578-676	22.756-26.614	-	A731S 060		
653-826	25.709-32.520	A731S 001	2x A731S 010	2x A731S 40128 + 1x A780 50 + 1 ters baralama kartuşu + 1x BM050W78050	2
653-901	25.709-35.472		2x A731S 020		
803-976	31.614-38.425		2x A731S 030		
878-1051	34.567-41.378		2x A731S 040		
1028-1126	40.472-44.331		2x A731S 050		
1103-1276	43.425-50.236	A731S 002	2x A731S 010	2x A731S 40128 + 1x A780 50 + 1 ters baralama kartuşu + 1x BM050W78050	2
1103-1351	43.425-53.189		2x A731S 020		
1253-1426	49.331-56.142		2x A731S 030		
1328-1501	52.283-59.094		2x A731S 040		
1478-1576	58.189-62.047		2x A731S 050		
1553-1651	61.142-65.000		2x A731S 060		
1628-1801	64.094-70.906	A731S 003	2x A731S 010	2x A731S 40128 + 1x A780 50 + 1 ters baralama kartuşu + 1x BM050W78050	2
1628-1876	64.094-73.858		2x A731S 020		
1778-1951	70.000-76.811		2x A731S 030		
1853-2026	72.953-79.764		2x A731S 040		
2003-2101	78.858-82.717		2x A731S 050		
2078-2176	81.811-85.669		2x A731S 060		
2153-2326	84.764-91.575	A731S 004	2x A731S 010	2x A731S 40128 + 1x A780 50 + 1 ters baralama kartuşu + 1x BM050W78050	2
2153-2401	84.764-94.528		2x A731S 020		
2303-2476	90.669-97.480		2x A731S 030		
2378-2551	93.622-100.433		2x A731S 040		
2528-2626	99.528-103.386		2x A731S 050		
2603-2701	102.480-106.339		2x A731S 060		
2678-2851	105.433-112.244	A731S 005	2x A731S 010	2x A731S 40128 + 1x A780 50 + 1 ters baralama kartuşu + 1x BM050W78050	2
2678-2926	105.433-115.197		2x A731S 020		
2828-3001	111.339-118.150		2x A731S 030		
2903-3076	114.291-121.102		2x A731S 040		
3053-3151	120.197-124.055		2x A731S 050		
3128-3226	123.150-127.008		2x A731S 060		

ABB 731 200 – B.Çap kafa bağlama çubukları için tutucular ve adaptör



1. Ayar vidası



- Kısa boy montajlar için uygun HSK ve SA tutucular.
- Uzun boy montajlar için Graflex® adaptör.
- B. Çap için kafa bağlama çubuğu üzerinde her 30° de açılabilir konum.
- Ø 58x3 mm sızdırmaz (conta) o'ring ile teslim edilir.

Ürün Tanımı	Ürün numarası	Tezgah tarafı fenermilibağlantısı	Ebat	İş parçası tarafı Kapasite		OAL	LF	BD	DMM	Ağırlık
				DCN-DCX Ø						
				mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	mm İnç	kg lb
E3471731200	02503392	DIN 69871-ADB	DIN50 ADB	204,0 8.031	655,0 25.787	166,75 6.565	65,0 2.559	130,0 5.118	40,0 1.575	5,74 12.650
E3416731200	02503393	BT JIS B 6339-ADB	BT50 ADB	204,0 8.031	655,0 25.787	166,75 6.565	65,0 2.559	130,0 5.118	40,0 1.575	5,64 12.430
E9306731200	02417268	ISO 12164-1/ DIN 69893-A	HSK-A100	204,0 8.031	655,0 25.787	115,0 4.528	65,0 2.559	130,0 5.118	40,0 1.575	4,72 10.410
A731200	00056616	GRAFLEX	G7	204,0 8.031	655,0 25.787	90,0 3.543	40,0 1.575	130,0 5.118	40,0 1.575	3,78 8.330

Yedek parçalar

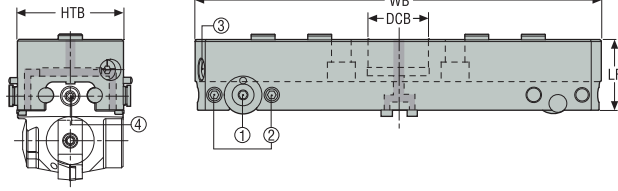
Şu ebat için	Montaj vidası	Anahtar	Tapa	Kama
E3471731200	950D1230	10SMS795	950A0606	-
E3416731200	950D1230	10SMS795	950A0606	-
E9306731200	950D1230	10SMS795	-	-
A731200	950D1230	10SMS795	-	90M7

Aksesuarlar

Şu ebat için	Soğutma sıvısı tüpü	Sızdırmaz tapa	Anahtar
E3471731200	-	-	-
E3416731200	-	-	-
E9306731200	20E9306	02E9306	03E9306
A731200	-	-	-

Sıkma torkü 80 Nm. Uygulama detayları için, B.Çap için kafa bağlama çubukları ve Baralama blokları birlikte gelen talimatlar belgesine bakınız.
Aksesuarlar, ayrıca sipariş edilmelidir

BB 731S0x0 – B.Çap kafa bağlama çubukları



1. Stop diskli sıkma vidası
2. Sıkma vidası
3. Tespit tapası
4. Çap ayar vidası

- İçten soğutmalı Büyük çap için kafa bağlama çubuğu.

Ürün Tanımı	Ürün numarası	İş parçası tarafı Kapasite DCN-DCX Ø		HTB	WB	DCB	LF	Ağırlık
		mm Inç	mm Inç					
A731S010	02753664	204,0 8.031	280,0 11.024	70,0 2.756	195,0 7.677	40,0 1.575	47,0 1.850	3,43 7.560
A731S020	02753668	279,0 10.984	355,0 13.976	70,0 2.756	269,0 10.591	40,0 1.575	47,0 1.850	4,92 10.850
A731S030	02753670	354,0 13.937	430,0 16.929	70,0 2.756	344,0 13.543	40,0 1.575	47,0 1.850	6,4 14.110
A731S040	02753673	429,0 16.890	505,0 19.882	70,0 2.756	419,0 16.496	40,0 1.575	47,0 1.850	7,9 17.420
A731S050	02753675	504,0 19.843	580,0 22.835	70,0 2.756	494,0 19.449	40,0 1.575	47,0 1.850	10,4 22.930
A731S060	02753677	579,0 22.795	655,0 25.787	70,0 2.756	569,0 22.402	40,0 1.575	47,0 1.850	12,3 27.120

Yedek parçalar

Şu DCN-DCX için	Anahtar sapı (T-şekil)	Anahtar	Anahtar	Sıkma vidası
204-655	DOUBLE-T	H6B-H5.0L	03HL05	19A71060

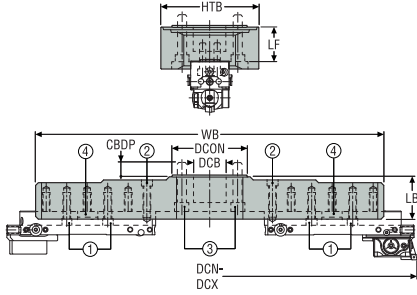
Sıkma vidası (2) ve stop diskli sıkma vidası (1) için sıkma torku 20 Nm.

Çap ayarından önce, tespit tapasının takılı olduğundan emin olun. Uygulama detayları için, B.Çap için kafa bağlama çubukları ve baralama blokları birlikte gelen talimatlar belgesine bakınız.

Maks. RPM, bakınız sayfa 640 *Dış Çap-baralama kapasiteleri için, bakınız sayfa 631-632

Daha geniş çaplar için bakınız, Çok büyük (Jumbo) çap için kafa bağlama çubukları, sayfa 637

JBB 731S00 – Jumbo çap kafa bağlama çubukları



1. Montaj vidası
2. Sıkma vidası
3. Sabitleme vidası
4. Sızdırmaz tapa



- Jumbo çap kafa bağlama çubukları, iki klasik B.Ç. kafa bağlama çubuklarının çeşitli konumlarda bağlamak için tasarlanmıştır.
- İçten soğutma sıvısı olan Jumbo kafa bağlama çubukları

Ürün Tanımı	Ürün numarası	İş parçası tarafı Kapasite		HTB	LF	WB	DCON	DCB	CDBP	LB	Ağırlık	**
		mm	mm									
		mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
		İnç	İnç	İnç	İnç	İnç	İnç	İnç	İnç	İnç	lb	
A731S001	02828506	654,0	1105,0	180,0	63,0	640,0	135,0	60,0	24,0	77,0	20,25	-
		25.748	43.504	7.087	2.480	25.197	5.315	2.362	0.945	3.031	44.640	
A731S002	02828516	1104,0	1630,0	200,0	50,0	1090,0	135,0	60,0	24,0	80,0	34,5	-
		43.465	64.173	7.874	1.969	42.913	5.315	2.362	0.945	3.150	76.060	
A731S003	02904383	1629,0	2155,0	200,0	50,0	1615,0	135,0	60,0	24,0	80,0	58,0	**
		64.134	84.843	7.874	1.969	63.583	5.315	2.362	0.945	3.150	127.870	

Jumbo ve B.Çap için kafa bağlama çubukları kombinasyonu için Baralama ve Dış Çap-baralama ve ters baralama kapasiteleri, bakınız sayfa 629-634

**Daha büyük ebatlar A731S004-... (Ø 2154-2680 mm) ve A731S005-... (Ø 2679-3205 mm) talep üzerine yapılır, bakınız sayfa 625

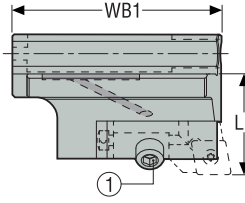
Aksesuarlar, ayrıca sipariş edilmelidir

Yedek parçalar

Şu DCN-DCX için	Aksesuarlar						
	Montaj vidası	Sabitleme vidası	Levyé vidası	Sıkma vidası	O-ring	Sızdırmaz tapa	Merkezeleme çıkıntısı
654-1105	950D1240	950D1670	90AS03	950D1250	90JT02	AU731S01100	E447153960
1104-1630	950D1240	950D1680	90AS03	950D1250	90JT02	AU731S01100	E447153960
1629-2155	950D1240	950D16120	90AS03	950D1250	90JT02	AU731S01100	E447153960

O'ring conta seti, soğutma sıvısı kanalları için 6 ad. (0.236") Ø6 O'ring conta ve Jumbo çap kafa bağlama çubukları için 1 ad. Ø60 (2.362") O'ring conta içerir.

BBB 731S0xx – Çap kafa bağlama çubukları için baralama blokları



- Büyük çapta kafa bağlama çubuklarına bağlantı için.
- İçten soğutmalı kaba, hassas, ve Graflex baralama blokları.

1. Montaj vidası

Ürün numarası	Ürün Tanımı	Baralama bloğu tipi	İş parçası tarafı		DCB	BD	WB1	WB2	LF	LF1	HTB	Ağırlık	Tasarım
			Kapasite DCN-DCX Ø										
			mm Inç	mm Inç	mm Inç	mm Inç	mm Inç	mm Inç	mm Inç	mm Inç	mm Inç	kg lb	
02753679	A731S400	Kaba baralama bloğu*	204,0 8.031	2155,0 84.843	-	-	97,0 3.819	-	47,0 1.850	-	70,0 2.756	1,33 2.930	A
02753680	A731S500	Hassas baralama bloğu**	204,0 8.031	2155,0 84.843	-	-	97,0 3.819	-	47,0 1.850	-	70,0 2.756	1,41 3.110	B
02753682	A731S600	Karşı ağırlık	204,0 8.031	2155,0 84.843	-	-	97,0 3.819	-	-	-	70,0 2.756	1,49 3.280	C
02753687	A731S40128	Graflex ebat G5***	48,0 1.890	2021,0 79.567	28,0 1.102	50,0 1.969	97,0 3.819	30,0 1.181	38,0 1.496	25,0 0.984	70,0 2.756	0,98 2.160	D

Yedek parçalar

Şu ebat için	Montaj vidası	Kovan sıkma vidası	Anahtar sapı (T-şekil)	Anahtar	Anahtar	O-ring
A731S400	950CB0830	-	DOUBLE-T	H6B-H5.0L	-	90JT01
A731S500	950D0612	950L1016	DOUBLE-T	H6B-H5.0L	-	90JT01
A731S600	-	-	DOUBLE-T	H6B-H5.0L	-	-
A731S40128	90F5	-	DOUBLE-T	H6B-H5.0L	03H05	90JT01

* Kartuşlar ayrıca sipariş edilmelidir bakınız sayfa 639

** Kartuş ebadı 60 ayrıca sipariş edilmelidir, bakınız sayfa 618, 619

*** A78050 baralama kafası için BM050W78050 denge ağırlığı kullanın, aşağıdaki Aksesuarlar bölümüne bakın.

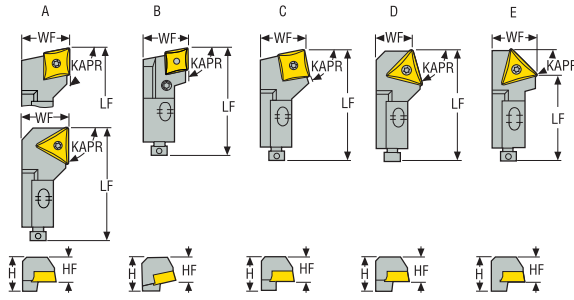
O-ring conta seti, soğutma sıvısı kanalları için 6 ad. (0.236") Ø6 O-ring conta ve Jumbo çap kafa bağlama çubukları için 1 ad. Ø60 (2.362") O-ring conta içerir.

Aksesuarlar, ayrıca sipariş edilmelidir

Aksesuarlar

Şu ebat için	Bağlantı borusu	Soğutma sıvısı kiti	Köşe şimi	Karşı denge ağırlığı
A731S400	AU731S00700	AU731S40700	18LS0316	-
A731S500	AU731S00700	-	-	-
A731S600	-	-	-	-
A731S40128	AU731S00700	-	-	BM050W78050

Kaba baralama bloğu için kartuşlar, B.Çap kafa bağlama çubukları için



- Kaba baralama bloğuna bağlantı için.

Ürün Tanımı	Ürün numarası	KAPR°	LF	WF	H	HF	Ağırlık	Uygun uç ebadı	Tasarım
			mm Inç	mm Inç	mm Inç	mm Inç			
SCGCL16CA-16	00039871	90	55,0 2.165	25,0 0.984	20,0 0.787	16,0 0.630	0,2 0.440	CC..16..	A
STGCL16CA-16	00009197	90	63,0 2.480	24,96 0.983	25,0 0.984	16,0 0.630	0,2 0.440	TC..16T3..	A
STGCL16CA-22	02600181	90	55,0 2.165	25,0 0.984	20,0 0.787	16,0 0.630	0,2 0.440	TC..2204..	A
PCGNL16CA-12	02484356	90	63,0 2.480	25,0 0.984	25,0 0.984	16,0 0.630	0,2 0.440	CN..12..	B
SSRCL16CA-15	00039872	75	63,0 2.480	25,0 0.984	20,0 0.787	16,0 0.630	0,2 0.440	SC..15..	C
STRCL16CA-16	00008750	75	63,0 2.480	24,96 0.983	25,0 0.984	16,0 0.630	0,2 0.440	TC..16T3..	D
STRCL16CA-22	02585320	75	63,0 2.480	25,0 0.984	20,0 0.787	16,0 0.630	0,2 0.440	TC..2204..	D
STTCL16CA-16	00009194	60	63,0 2.480	14,96 0.589	25,0 0.984	16,0 0.630	0,2 0.440	TC..16T3..	D
STSCL16CA-16	00009193	45	53,0 2.087	24,96 0.983	25,0 0.984	16,0 0.630	0,2 0.440	TC..16T3..	E

Kartuş yedek parçaları için, bakınız tomalama kataloğu.

Tavsiye edilen işleme koşulları

En iyi performanslar için soğutma sıvısı ile elde edilir (daha yüksek işleme verileri, daha iyi yüzey, daha iyi talaş boşaltma).

Kaba baralama önceliklere bağlıdır: daha yüksek ilerleme ya da talaş kaldırma oranı kartuşların simetrik olarak ayarlanması ile (en yaygın yöntem, kademeli ayara kıyasla iki kat hız) ya da kademeli ayarlanması (iki kat fazla paso miktarı) elde edilir. Çelikte hassas baralamada, iyi koşullar altında, daha yüksek hızlar ve daha uzun ömür için sermet uçların kullanılmasını tavsiye ederiz.

Ayrıntılı kullanım talimatları için lütfen baralama kafalarının ambalaj içeriğinin parçası olarak ve Steadyline® çubukları ile birlikte sağlanan çalıştırma talimatlarına başvurun. Bu çalıştırma talimatları ayrıca www.secotools.com adresinden indirilebilir.

Sorun giderme

Lütfen kaba baralama sorun giderme sayfasına 568 ya da hassas baralama sorun giderme sayfasına 608 bakınız. Balans ayarı her iki ayar halkasını işlenecek çapa göre ayarlanmasıyla yapılır (Tabloya gerek yoktur).

Kafa bağlama çubukları için maksimum hızlar

Geniş ebatlarından dolayı, kafa bağlama çubuklarında, dengesiz RPM programlaması (maks. RPM'ye uyum) tahmin edilemez hasarlara yol açabilir. Aşağıdaki maks. RPM değerleri, kaba ve hassas baralama (Parça No. A731S 0_0) ve denge ağırlığı blokları (Parça No. A731S_00) Jumbo kafa bağlama çubuklarında (Parça No. A731 00_) kullanılan mevcut kafa bağlama montajları içindir. Diğer montajlar için lütfen bölgenizdeki Seco temsilcisiyle irtibata geçin.

NOT! Mevcut baralama bloklarını (Parça No. A731S 400, A731S 500, A731S 600, A731S 40128) eski tip kafa bağlama çubuklarında kullanırken (Parça No. No.A731 0_0 -S içermez-), maks. RPM eski tip kafa bağlama çubuklarında sabitlenenden daha düşüktür. Balans ayarını tutturmak için yeni ve eski blokları aynı kafa bağlama çubuğuna takmayın.

Kafa şuna göre...	Kapasite Ø mm (inç)	Maks. RPM	Min. Kapasitede ima edilen maks. kesme hızı v_c m/dak. (feet/min)	Maks. kapasitede ima edilen maks. kesme hızı v_c m/dak. (feet/min)
Büyük çap için kafa bağlama çubukları (simetrik olarak ayarlanan iki baralama bloğu ile birlikte)				
A731S010	204-280 (8.0315-11.0236")	1600	1025 (3363)	1407 (4616)
A731S020	279-355 (10.9843-13.9764")	1150	1007 (3304)	1282 (4206)
A731S030	354-430 (13.937-16.9291")	900	1000 (3281)	1215 (3986)
A731S040	429-505 (16.8898-19.8819")	750	1010 (3314)	1189 (3901)
A731S050	504-580 (19.8425-22.8346")	650	1029 (3376)	1184 (3885)
A731S060	579-655 (22.7953-25.7874")	550	1000 (3281)	1131 (3711)
Jumbo kafa bağlama çubukları (iki aynı kafa bağlama çubuğu ve simetrik baralama bloğu seti ile)				
A731S001	654-1105 (25.748-43.50394")	170	349 (1145)	590 (1936)
A731S002	1104-1630 (43.46457-64.17323")	100	346 (1135)	512 (1680)
A731S003	1629-2155 (64.13386-84.84252")	70	358 (1175)	473 (1552)
A731S004	2154-2680 (84.80315-105.5118")	50	358 (1175)	420 (1378)
A731S005	2679-3205 (105.4724-126.1811")	40	336 (1102)	402 (1319)

Not: Maksimum hızlar, baralama kafasının mekanik tasarımı ve balans kalitesiyle ilişkilidir. Diğer işleme koşulları da göz önüne alınarak bu limitler dahilindeki hızlar seçilmelidir, örn. iş parçası malzemesi, kesme kenarı (uç), takım boyu, tezgah fener mili.

Özel Yapım Baralama Çözümleri

Seco Takım Tutucu Sistemleri baralama operasyonları için özel tasarım çözümlerde yüksek deneyime sahiptir:



- Steadyline® titreşim sönmüleyici kaba ve hassas baralama çözümleri
- Çok ağızlı delik baraları
- Uzun kullanım boyları için özel yatakları olan uzatmalar
- Delme, baralama, havşa, raybalama, diş açma gibi operasyonlar için kombine baralar...

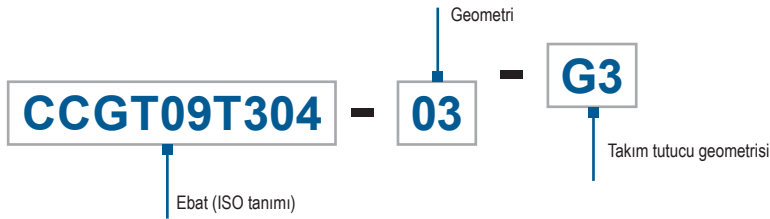
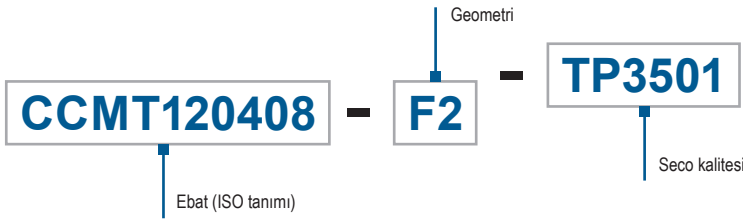
Daha fazla bilgi için lütfen bölgenizdeki Seco temsilcisiyle irtibata geçin.

Baralama için uç seçimi

Bu uçlar, tüm Seco ürün yelpazesinden seçilmiş, özellikle baralama için uygun olan uçlardır. Seçilen uç ebatları, baralama kafaları için uygundur. Kaba baralama uçları, fener milinin tork ihtiyacını en aza indirmek için pozitif geometriye ve yüksek talaş kaldırma oranını sağlamak için yüksek toklukta bir yapıya sahiptir.

Hassas baralama uçları, delik toleransının, geometrinin ve yüzey kalitesinin düzgün biçimde kontrol edilmesi için pozitif geometriye ve keskin kenarlı aşınmaya dayanıklı kaliteye sahiptir.

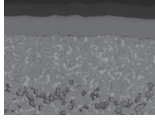
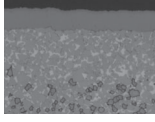
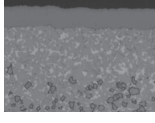
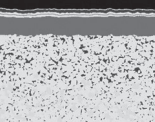
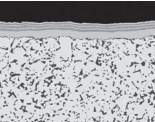
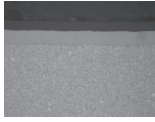
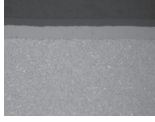
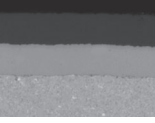
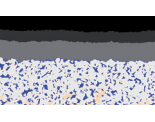
Kod anahtarları, örnekler



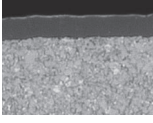

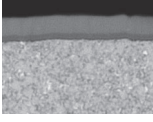
Baralama için uç kaliteleri - ISO iş parçası malzeme sınıflandırması

		P					M				K				N				S				H					
		P01	P10	P20	P30	P40	P50	M01	M10	M20	M30	M40	K01	K10	K20	K30	K40	N01	N10	N20	N30	S01	S10	S20	S30	H01	H10	H20
CVD	TP1501																											
	TP2501																											
	TP3501																											
	TP200																											
	TP40																											
	TK1501																											
	TK0501																											
	TH1500																											
PVD	25																											
	TS2000																											
	TH1000																											
	CP500																											
Kaplamasız	26																											
	KX																											
	HX																											
Sımet	03																											
	TP1020																											
	TP1030																											
PCBN	51																											
	CBN10																											
	CBN010																											
	CBN200																											
PCD	81																											
	CBN060K																											
91	PCD20																											
	91																											

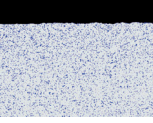

Baralama için tavsiye edilen CVD kaplı kaliteler

TP1501		Duratomic® teknolojsi ile kaplanmış kalite. Çeliklerde genel tornalama son derece uygun ısıya ve aşınmaya yüksek dirençli kalite. Diğer malzeme grupları için de destekleyicidir. Ti(C,N) + Al ₂ O
TP2501		Duratomic® teknolojsi ile kaplanmış kalite. Çelikler, paslanmaz çelikler ve dökme demirlerde çok çeşitli tornalama operasyonları için tasarlanmış yüksek aşınma direncine ve kenar sağlamlığına sahiptir. Ti(C,N) + Al ₂ O ₃
TP3501		TP3501, çelik ve paslanmaz çeliğin işlenmesinde öncelikli talebin tokluk ve güvenilirlik olduğu baralama operasyonları için tasarlanmıştır. Ti(C,N) + Al ₂ O ₃ DURATOMIC®
TP200		TP200, çok yönlülük anlamında gerçekten başarılı, üniversal bir kalitedir. Bu kalite, hem çelikte, hem de paslanmaz çelikte geniş bir kapsamda tornalama uygulamaları için tasarlanmıştır ve ayrıca dökme demir için de iyi bir tercihtir. Ti(C,N) + Al ₂ O ₃ + TiN
TP40		TP40, P40 ürün yelpazesinde tornalama uygulamaları için kullanılan temel kalitedir. Çelik dökme ve dövme malzemelerde, ayrıca paslanmaz çeliğin her tipinde zorlu operasyonlar için uygun çok tok bir kalitedir. TiC/Ti(C,N) + TiN
TK0501		Duratomic® teknolojsi ile kaplanmış kalite. Aşırı derecede aşınma dirençli optimize edilmiş bu kalite gri dökme demir ve daha kolay olan sünek dökme demir işlemede ilk tercihtir. Ti(C,N) + Al ₂ O ₃
TK1501		Duratomic® teknolojsi ile kaplanmış kalite. Çeliklerde olduğu kadar genelde dökme demir için yüksek aşınma dirençli kalite. Bu kalite özellikle sünek (nodüler) dökme demir işlemeye ve ayrıca daha zorlu ve kesintili işlemlere de uygundur. Ti(C,N) + Al ₂ O ₃
TH1500		DURATOMIC® teknolojsi ile kaplanmış kalite. Çok sert süper ince tanecikli bir kalitedir. Kısmen sertleştirilmiş çelikler içindir ve dökme demirde finiş işleme için de alternatiftir. Ti(C,N) + Al ₂ O ₃
25		Genel kalite. Bu kalite; çelik, paslanmaz çelik ve dökme demir için birçok baralama uygulamasına uygundur. İyi bir aşınma direnci ve tokluk kombinasyonu. Ti (C, N) + Al ₂ O ₃ .

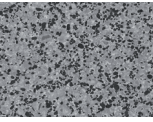
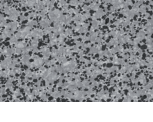

Baralama için tavsiye edilen PVD kaplı kaliteler

TS2000		Prensip olarak süper alaşımlar da ve titanyum alaşımlar da finiş operasyonlar için tasarlanan sert mikro tanecikli yapı. Paslanmaz çelikte finiş operasyonlarda da iyi performans gösterir. (Ti,Al)N + TiN
CP500 & 26G6		Paslanmaz çelikte finiş işleme ve orta-kaba operasyonlar uygulamak için tasarlanmış çok tok mikro tanecikli bir yapı. Darbeli operasyonların da altından kolayca kalkabilir. CP500 ayrıca alüminyum alaşımları için bir alternatiftir. (Ti,Al)N + TiN
TH1000		Kısmen sertleştirilmiş çelikleri işlemek için tasarlanmış çok sert süper ince tanecikli bir kalitedir. Üstün kenar tokluğu sert kabukların alınması yanı sıra sertleştirilmiş çeliklerde darbeli işlemede mükemmel performans sağlar.

Baralama için tavsiye edilen kaplamasız kaliteler

KX & 03G3		Alüminyum ve diğer demir içermeyen malzemeleri işlemek için tasarlanan mikro tanecikli yapı.
HX		Kaplamasız genel kalite. Dökme demir ve sertleştirilmiş çelik için uygundur ve ayrıca demir dışı malzemelerde de kullanışlıdır.

Baralama için tavsiye edilen Sermet kaliteler

TP1020		Sermet kalite, sınırlı kesme sayısı ve kesme verisi olan hassas yüzey finiş uygulamalarında güvenilirlik ve kontrol arayanlar için uygundur.
TP1030		PVD kaplamalı Sermet kalite, çok yüksek aşınma direncine sahip, çelik ve paslanmaz çeliklerde tahmin edilebilir yüzey kalitesi ve üretkenlik için düşünülmüştür. Ti-Al-Si-N Nanolaminat kaplama.
51G1		Aşınmaya karşı çok dayanıklı sermet. Çelik malzemede, yüksek yüzey kalitesi beklentilerin olduğu finiş operasyonları için tasarlanmıştır.

Baralama için tavsiye edilen CBN ve PCD kaliteler

CBN010		<p>Format: Solid, tüm yüzeyi kaplı ve ucuna kaynatılmış (tek ve çift taraflı). Kompozisyon: %50 CBN içeriğine, ortalama 2 µm tanecek ebadına ve TiC seramik bağlayıcıya sahip kalite. Kaplama: Kaplamasız.</p>
CBN10 & 81B1		<p>CBN, kübik bor nitrür kalite, sertleştirilmiş çelikte (Grup 7) sürekli ve hafif darbeli hassas işlemler için.</p>
CBN060K		<p>Solid, ucuna CBN kaynatılmış (tek ve çift taraflı) veya sinterlenmiş katman. Sertleştirilmiş çelikte hafif sürekli kesme işlemlerinden orta seviyeli darbeli kesme işlemlerinde ilk tercih ($a_p < 0.020$ inç). Yeni (Ti, Si) N PVD kaplaması yüksek hızla işleme uygulamaları için geliştirilmiştir. Süper alaşım malzemeleri işlemek için yeni eşsiz bağlayıcı.</p>
CBN200		<p>CBN, kübik bor nitrür kalite, Perlitik dökme demirin finiş işlemesi için kübik bor nitrür kalite.</p>
PCD20 & 91J3		<p>PCD, polikristalin elmas, Alüminyum ve alüminyum alaşımları, bakır, pirinç, bronz ve sentetik malzemelerde (Grup 16-17) baralama için.</p>

Uçlar, kaba baralama için tavsiye edilen, kesme verisi ile birlikte

Ürün Tanımı	Kaplamaşız Bilenmiş kenar ve direkt talaş kırıcı, sol kesme yönlü			Kaplamaşlı Preslenmiş talaş kırıcı					Kaplamaşlı Bilenmiş kenar vedirekt talaş kırıcı, sol kesme yönlü	Maks. kesme derinliği a_p mm (inç)	İlerleme f mm/rev (inç)
	KX	HX	03D3	TP2501	TP3501	TP40	25C4	TK1501	CP500		
CPGT050204			02434654				02434652			2 (0.079)	0,08-0,2 (0.0031-0.0079)
CCMT060204-F1				02960857	03095430	00008505		03062942	00096854	2 (0.079)	0,1-0,22 (0.0039-0.0087)
CCMT060204-F2		74011732				74018652				2 (0.079)	0,1-0,22 (0.0039-0.0087)
CCGT060204L-UX									02497631	2 (0.079)	0,1-0,22 (0.0039-0.0087)
CCGT060204F-AL	00015710									2 (0.079)	0,1-0,22 (0.0039-0.0087)
CCMT060204-M3				02960858	03095431			03062944		2 (0.079)	0,1-0,22 (0.0039-0.0087)
CCMT09T308-F1				02960861	03095443	00008518		03063857	00096858	2,5 (0.098)	0,1-0,3 (0.0039- 0.0118)
CCMT09T308-MF2				02956309	03095446				02754822	2,5 (0.098)	0,1-0,3 (0.0039- 0.0118)
CCGT09T304L-UX									02497640	2,5 (0.098)	0,1-0,3 (0.0039- 0.0118)
CCGT09T308F-AL	00015754									2,5 (0.098)	0,1-0,3 (0.0039- 0.0118)
CCMT120408-F1				02960854	03095449			03062626		4 (0.157)	0,15-0,4 (0.0059-0.0157)
CCMT120408-MF2				02956311	03095452					4 (0.157)	0,15-0,4 (0.0059-0.0157)
CCGT120408L-UX									02610062	4 (0.157)	0,15-0,4 (0.0059-0.0157)
CCGT120408F-AL	00015790									5 (0.197)	0,15-0,4 (0.0059-0.0157)
SCMT060204-M3				02960423	03096621					2,5 (0.098)	0,1-0,22 (0.0039-0.0087)
SCMT09T308-F1				02960396	03096625			03062629	00099708	2,5 (0.098)	0,1-0,3 (0.0039- 0.0118)
SCMT09T308-MF2				02956318	03096627				02755042	2,5 (0.098)	0,1-0,3 (0.0039- 0.0118)
SCMT120408-F1				02960397	03096630				00099804	4 (0.157)	0,15-0,4 (0.0059-0.0055)
SCMT120408-M3				02960429	03096631			03063990		4 (0.157)	0,15-0,4 (0.0059-0.0055)
TCMT16T308-F1				02960408	03096643	74004572			00091357	5 (0.197)	0,15-0,4 (0.0059-0.0055)
TCMT16T308-MF2				02956323	03096645				02755046	5 (0.197)	0,15-0,4 (0.0059-0.0055)
TCGT16T308F-AL	00015875									4 (0.157)	0,15-0,4 (0.0059-0.0055)
SCMT150512-F2						74007348				7 (0.276)	0,2-0,5 (0.0079- 0.0197)

Tavsiye edilen kesme hızları için, bakınız sayfa 650-653

Kaba baralama için tavsiye edilen (çift taraflı) CN.. uçlar, kesme verisi ile birlikte

Ürün Tanımı	Kaplama Preslenmiş talaş kırıcı				Maks. kesme derinliği a_p mm (inç)	İlerleme f mm/rev (inç)
	TP3500	TP40	TM4000	TP200		
CNMG120408-M3					4,5 (0.177)	0,25-0,35 (0.00984-0.01378)
CNMG120408-MF3		74030598			4,5 (0.177)	0,25-0,35 (0.00984-0.01378)
CNMG120408-MF4					4,5 (0.177)	0,25-0,35 (0.00984-0.01378)
CNMG120408-MF1					4,5 (0.177)	0,25-0,35 (0.00984-0.01378)
CNMG120408-MR7		74017309			4,5 (0.177)	0,25-0,35 (0.00984-0.01378)

Tavsiye edilen kesme hızları için, bakınız sayfa 650-653

Uçlar, hassas baralama için tavsiye edilen, kesme verisi ile birlikte

Ürün Tanımı	Kaplama							Sermet			Maks. kesme derinliği a _p mm (inç)	İlerleme f mm/rev (inç)
	TP1501	TS2000	TK1501	CP500	26G6	TH1000	TH1500	51G1	TP1020	TP1030		
CCGT060200								00083915			0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
CCGT0602005-F1				02430287							0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
CCGT060201-F1				02430307							0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
CCGT060202					00039546			00096634			0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
CCGT060204					00081826			00048334			0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
CCGT060204L-UX				02497631							2 (0.079)	0,1-0,22 (0.0039-0.0087)
CCMT060202-F1	02960383	02614299		00096853					02754786	02754435	0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
CCMT060204-F1	02960856	02615873	03062942	00096854		02825858	02825859		02754791	02754792	2 (0.079)	0,1-0,22 (0.0039-0.0087)
CCMW060202F-L1											0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
CCMW060204F-L1											0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
CCGW060202S-01020-LF											0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
CCGW060204S-01020-LF											0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
CCGW060204E-L1-B											0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
CCGT09T301-F1				02430311							0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
CCGT09T302					00048337			00048339			0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
CCGT09T304					00077338			00048344			0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
CCGT09T304L-UX				02497640							2,5 (0.098)	0,1-0,3 (0.0039-0.0118)
CCMT09T302-F1	02960837			00096856					02754805	02754806	0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
CCMT09T304-F1	02960844	02615874	03063856	00096857		02731806	02731808		02754811	02754812	0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
CCMT09T308-F1	02960853	02615876	03063857	00096858		02731807	02731809			02754821	2,5 (0.098)	0,1-0,3 (0.0039-0.0118)
CCMW09T304F-L1											0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
CCMW09T308F-L1											0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
CCGW09T304E-L1-B											0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
CCGW09T308E-L1-B											0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
CCGW09T304S-01020-LF											0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
CCGW09T308S-01020-LF											0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
TCGT110204								00000721			0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
TCGT110201-F1				02430376							0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
TCMT110202-F1				02430419							0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
TCMT110204-F1	02960401			02430421							0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
TCMT110208-F1	02960403			00098986							0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
TCGW110204E-L1-C											0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
TCGW110208E-L1-C											0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
TCGW110204S-01020-LF											0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
TCGW110208S-01020-LF											0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
TCMW110204F-L1											0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
WBG030100								00083089			0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
WBG030102								00091845			0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
WBG030102L				02416632							0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
WBG030102											0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)

Tablo sonraki sayfada devam ediyor.

Tavsiye edilen kesme hızları için, bakınız sayfa 650-653

Uçlar, hassas baralama için tavsiye edilen, kesme verisi ile birlikte

Ürün Tanımı	CBN				PCD		Maks. kesme derinliği a _p mm (inç)	İlerleme f mm/rev (inç)
	CBN010	CBN060K	CBN200	81B1	PCD20	91J3		
CCGT060200							0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
CCGT0602005-F1							0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
CCGT060201-F1							0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
CCGT060202							0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
CCGT060204							0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
CCGT060204L-UX							2 (0.079)	0,1-0,22 (0.0039-0.0087)
CCMT060202-F1							0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
CCMT060204-F1							2 (0.079)	0,1-0,22 (0.0039-0.0087)
CCMW060202F-L1					00089760		0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
CCMW060204F-L1					0005684		0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
CCGW060202S-01020-LF			02464698				0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
CCGW060204S-01020-LF	02916281		02464699				0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
CCGW060204E-L1-B	02843086	02776337	02649599				0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
CCGT09T301-F1							0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
CCGT09T302							0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
CCGT09T304							0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
CCGT09T304L-UX							2,5 (0.098)	0,1-0,3 (0.0039-0.0118)
CCMT09T302-F1							0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
CCMT09T304-F1							0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
CCMT09T308-F1							2,5 (0.098)	0,1-0,3 (0.0039-0.0118)
CCMW09T304F-L1					0005686		0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
CCMW09T308F-L1					00095357		0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
CCGW09T304E-L1-B	02843126	02776338	02649607				0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
CCGW09T308E-L1-B	02937148		02649608				0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
CCGW09T304S-01020-LF	02916282		02464702				0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
CCGW09T308S-01020-LF			02464703				0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
TCGT110204							0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
TCGT110201-F1							0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
TCMT110202-F1							0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
TCMT110204-F1							0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
TCMT110208-F1							0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
TCGW110204E-L1-C	02848657	02776346					0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
TCGW110208E-L1-C	02848792						0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
TCGW110204S-01020-LF			02464742				0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
TCGW110208S-01020-LF			02464744				0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
TCMW110204F-L1					0005689		0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
WBG030100							0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
WBG030102							0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
WBG030102L							0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)
WBGW030102				00096761		00096763	0,01-0,3 (0.000394-0.01181)	0,03-0,15 (0.0011811-0.0059055)

Tavsiye edilen kesme hızları için, bakınız sayfa 650-653

Baralama için tavsiye edilen kesme hızları (iş parçası malzemesi ve uç kalitesiyle ilişkilidir) – Metrik

SMG	v _c (m/dak.)										
	KX & HX	03	TP40	TP1501	TP2501	TP3501	TK0501	TK1501	TH1000	TH1500	CP500
P1			60-180	60-350	60-250	60-230					80-200
P2			60-180	60-350	60-250	60-230					80-200
P3			60-180	60-350	60-250	60-230					80-200
P4			60-180	60-350	60-250	60-230					80-200
P5			60-150	60-300	60-250	60-230					80-200
P6			60-140	60-300	60-230	60-200					80-180
P7			60-140	60-300	60-230	60-200					80-160
P8			60-120	60-250	60-230	60-200					80-130
P11			60-120	60-300	60-250	60-200					80-180
M1			60-130	100-200	60-200	60-200					60-160
M2			60-130	100-200	60-200	60-200					60-160
M3			60-120	100-180	60-200	60-200					60-150
M4			60-110	100-180	60-190	60-190					60-150
M5			60-110	100-180	60-180	60-180					60-150
K1			60-140	100-250		60-180	60-230	60-230			60-160
K2			60-140	100-250		60-180	60-230	60-230			60-160
K3			60-140	100-250		60-180	60-230	60-230			60-160
K4			60-140	100-250		60-180	60-200	60-200			60-160
K5			60-140	100-250		60-180	60-200	60-200			60-160
K6			60-130	100-250		60-180	60-200	60-200			60-160
K7			60-130	100-250		60-180	60-200	60-200			60-160
N1	150-800	150-800									150-800
N2	150-800	150-800									150-800
N3	150-500	150-500									150-500
N11	150-400	150-400									150-400
S1	20-50	20-50									20-50
S2	20-50	20-50									20-50
S3	20-50	20-50									20-50
S11	20-50	20-50									20-50
S12	20-50	20-50									20-50
S13	20-50	20-50									20-50
H3									50-150	50-150	
H5									50-140	50-140	
H7									50-150	50-150	
H8									30-130	30-130	
H11									30-120	30-120	
H12									30-120	30-120	
H21											
H31											

SMG = Seco malzeme grubu v_c= sf/dak Tüm kesme verileri başlangıç değerleridir

Giriş

Delme

Raybalama

Baralama

Ek

Baralama için tavsiye edilen kesme hızları (iş parçası malzemesi ve uç kalitesiyle ilişkilidir) – İnc

SMG	v_c (sf/dak)										
	KX & HX	03	TP40	TP1501	TP2501	TP3501	TK0501	TK1501	TH1000	TH1500	CP500
P1			197-591	197-1148	197-820	197-755					262-656
P2			197-591	197-1148	197-820	197-755					262-656
P3			197-591	197-1148	197-820	197-755					262-656
P4			197-591	197-1148	197-820	197-755					262-656
P5			197-492	197-984	197-820	197-755					262-656
P6			197-459	197-984	197-755	197-656					262-591
P7			197-459	197-984	197-755	197-656					262-525
P8			197-394	197-820	197-755	197-656					262-427
P11			197-394	197-984	197-820	197-656					262-591
M1			197-427	328-656	197-656	197-656					197-525
M2			197-427	328-656	197-656	197-656					197-525
M3			197-394	328-591	197-656	197-656					197-492
M4			197-361	328-591	197-623	197-623					197-492
M5			197-361	328-591	197-591	197-591					197-492
K1			197-459	328-820		197-591	197-755	197-755			197-525
K2			197-459	328-820		197-591	197-755	197-755			197-525
K3			197-459	328-820		197-591	197-755	197-755			197-525
K4			197-459	328-820		197-591	197-656	197-656			197-525
K5			197-459	328-820		197-591	197-656	197-656			197-525
K6			197-427	328-820		197-591	197-656	197-656			197-525
K7			197-427	328-820		197-591	197-656	197-656			197-525
N1	492-2625	492-2625									492-2625
N2	492-2625	492-2625									492-2625
N3	492-1640	492-1640									492-1640
N11	492-1312	492-1312									492-1312
S1	66-164	66-164									66-164
S2	66-164	66-164									66-164
S3	66-164	66-164									66-164
S11	66-164	66-164									66-164
S12	66-164	66-164									66-164
S13	66-164	66-164									66-164
H3									164-492	164-492	
H5									164-459	164-459	
H7									164-492	164-492	
H8									98-427	98-427	
H11									98-394	98-394	
H12									98-394	98-394	
H21											
H31											

SMG = Seco malzeme grubu v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

Giriş

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Baralama

Ek

Baralama için tavsiye edilen kesme hızları (iş parçası malzemesi ve uç kalitesiyle ilişkilidir) – Metrik

SMG	v _c (m/dak.)												
	26	25	TS2000	TP1020	TP1030	51	CBN10/ CBN010	81	CBN200	82	PCD20	91	Axiabore
P1	80-200	60-180		100-350	100-350	100-350							80-250
P2	80-200	60-180		100-350	100-350	100-350							80-250
P3	80-200	60-180		100-350	100-350	100-350							80-250
P4	80-200	60-180		100-350	100-350	100-350							80-250
P5	80-200	60-180		100-350	100-350	100-350							70-230
P6	80-180	60-160		100-300	100-300	100-300							70-230
P7	80-160	60-160		100-250	100-250	100-250							70-230
P8	80-130	60-130		100-250	100-250	100-250							70-200
P11	80-180	60-150		100-300	100-300	100-300							70-200
M1	60-160	60-140	60-200	80-200	80-200	80-200							60-200
M2	60-160	60-140	60-200	80-200	80-200	80-200							60-200
M3	60-150	60-130	60-200	80-200	80-200	80-200							60-180
M4	60-150	60-120	60-180	80-180	80-180	80-180							60-170
M5	60-150	60-120	60-180	80-180	80-180	80-180							60-170
K1	60-160	60-160		100-250	100-250	100-250			300-1000	300-1000			60-150
K2	60-160	60-160		100-250	100-250	100-250			300-1000	300-1000			60-150
K3	60-160	60-160		100-250	100-250	100-250			300-1000	300-1000			60-150
K4	60-160	60-160		100-250	100-250	100-250			300-1000	300-1000			60-130
K5	60-160	60-160		100-250	100-250	100-250							50-100
K6	60-160	60-160		100-180	100-180	100-180							50-100
K7	60-160	60-160		100-180	100-180	100-180							50-100
N1	150-800										300-1500	300-1500	200-800
N2	150-800										300-1500	300-1500	200-800
N3	150-500										200-800	200-800	200-800
N11	150-400										180-800	180-800	200-800
S1	20-50		20-80										20-60
S2	20-50		20-80										20-60
S3	20-50		20-80										60-50
S11	20-50		20-80										20-50
S12	20-50		20-80										20-50
S13	20-50		20-80										20-50
H3							80-180	80-180					
H5							80-200	80-200					
H7							80-150	80-150					
H8							80-150	80-150					
H11													
H12													
H21													
H31													

SMG = Seco malzeme grubu v_c= sf/dak Tüm kesme verileri başlangıç değerleridir

Baralama için tavsiye edilen kesme hızları (iş parçası malzemesi ve uç kalitesiyle ilişkilidir) – İnç

SMG	v_c (sf/dak)												
	26	25	TS2000	TP1020	TP1030	51	CBN10/ CBN010	81	CBN200	82	PCD20	91	Axiabore
P1	262-656	197-591		328-1148	328-1148	328-1148							262-820
P2	262-656	197-591		328-1148	328-1148	328-1148							262-820
P3	262-656	197-591		328-1148	328-1148	328-1148							262-820
P4	262-656	197-591		328-1148	328-1148	328-1148							262-820
P5	262-656	197-591		328-1148	328-1148	328-1148							230-755
P6	262-591	197-525		328-984	328-984	328-984							230-755
P7	262-525	197-525		328-820	328-820	328-820							230-755
P8	262-427	197-427		328-820	328-820	328-820							230-656
P11	262-591	197-492		328-984	328-984	328-984							230-656
M1	197-525	197-459	197-656	262-656	262-656	262-656							197-656
M2	197-525	197-459	197-656	262-656	262-656	262-656							197-656
M3	197-492	197-427	197-656	262-656	262-656	262-656							197-591
M4	197-492	197-394	197-591	262-591	262-591	262-591							197-558
M5	197-492	197-394	197-591	262-591	262-591	262-591							197-558
K1	197-525	197-525		328-820	328-820	328-820		984-3281	984-3281				197-492
K2	197-525	197-525		328-820	328-820	328-820		984-3281	984-3281				197-492
K3	197-525	197-525		328-820	328-820	328-820		984-3281	984-3281				197-492
K4	197-525	197-525		328-820	328-820	328-820		984-3281	984-3281				197-427
K5	197-525	197-525		328-820	328-820	328-820							164-328
K6	197-525	197-525		328-591	328-591	328-591							164-328
K7	197-525	197-525		328-591	328-591	328-591							164-328
N1	492-2625									984-4921	984-4921	656-2625	
N2	492-2625									984-4921	984-4921	656-2625	
N3	492-1640									656-2625	656-2625	656-2625	
N11	492-1312									591-2625	591-2625	656-2625	
S1	66-164		66-262										66-197
S2	66-164		66-262										66-197
S3	66-164		66-262										197-164
S11	66-164		66-262										66-164
S12	66-164		66-262										66-164
S13	66-164		66-262										66-164
H3						262-591	262-591						
H5						262-656	262-656						
H7						262-492	262-492						
H8						262-492	262-492						
H11													
H12													
H21													
H31													

SMG = Seco malzeme grubu v_c = sf/dak Tüm kesme verileri başlangıç değerleridir

Giriş

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Ek

Tüm takımların ve kartuşların uç sıkma anahtarları ve vidaları

CN.. uçlar için özel baskı parçaları, CN.. tip kartuşlar sayfasında gösterilmiştir. RB 610 kartuşlar için özel baskı parçaları, RB 610 kafalar için kartuşlar sayfasında gösterilmiştir, sayfa 575.
Hatırlatma: Yedek parçalar, kartuşların ya da takımların orijinal teslimat içeriğinin bir parçasıdır.
Aksesuarlar teslimat içeriğine dahil değildir, ayrıca sipariş edilmelidir.

		Aksesuarlar			Yedek parçalar	
		Uç sıkma vidası için Tork anahtarı*			Uç sıkma vidası	
Kaba baralama kartuşları için	Şu uç ebadı için	Ürün Tanımı	Torx Plus	Ürün Tanımı	Torx Plus	
	CP...0502	T07P-3	07	C02245-T07P	07	
	CC...0602	T07P-3	07	C02504-T07P	07	
	CC...09T3	T15P-3	15	C04008-T15P	15	
	CC...1204	T15P-3	15	C05012-T15P	15	
	CC...1605	T15P-3	15	C05012-T15P	15	
	SC...0502	T07P-3	07	C02245-T07P	07	
	SC...0602	T07P-3	07	C02504-T07P	07	
	SC...09T3	T15P-3	15	C04008-T15P	15	
	SC...1204	T15P-3	15	C05012-T15P	15	
SC...1505	T15P-3	15	C05012-T15P	15		

* Her bir kaba baralama kafası ile birlikte bir Tork anahtarı teslim edilir.

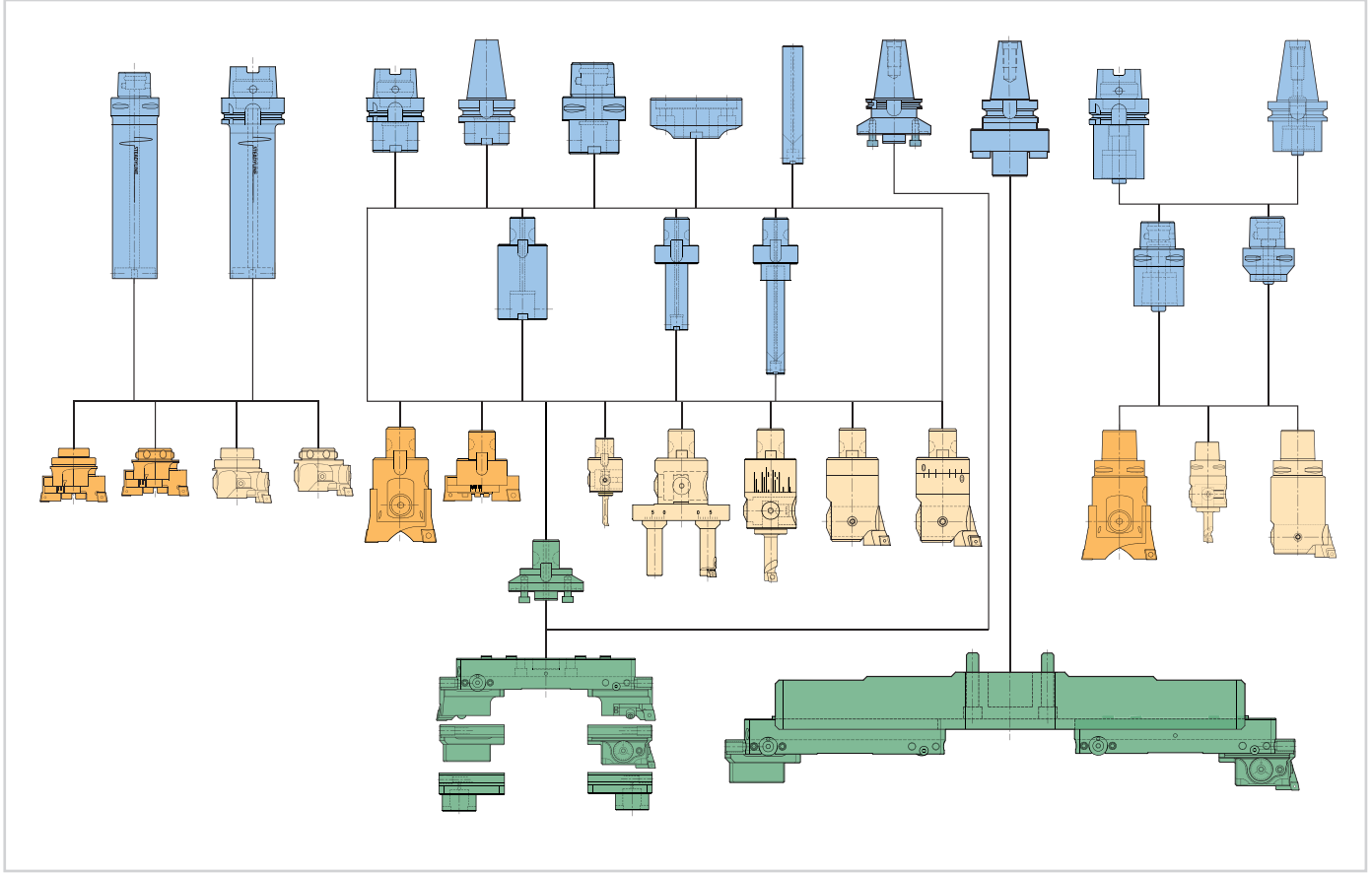
		Aksesuarlar			Yedek parçalar	
		Uç sıkma vidası için Tork anahtarı*			Uç sıkma vidası	
Axiabore™ tip takımlar için	Şu uç ebadı için	Ürün Tanımı	Torx Plus	Ürün Tanımı	Torx Plus	
	WB...0301...	T06P-3	06	C02035-T06P	06	
	CC...0602...	T07P-3	07	C02504-T07P	07	
	-	T15P-3	15	C04008-T15P	15	

Kartuşlar için yedek parçalar

		Yedek parçalar			
		Uç anahtarı		Uç vidası	
Hassas baralama kartuşları, havşa kartuşlar ve ters baralama kartuşları için	Şu uç ebadı için	Ürün Tanımı	Torx Plus	Ürün Tanımı	Torx Plus
	WB...0301...	T06P-2	06	C02035-T06P	06
	CC...0602...	T07P-3	07	C02504-T07P	07
	CC...09T3...	T15P-3	15	C04008-T15P	15
TC...1102...	T07P-3	07	C02504-T07P	07	

		Aksesuarlar			Yedek parçalar	
		Uç sıkma vidası için Tork anahtarı*			Uç sıkma vidası	
Kartuşlar için	Şu uç ebadı için	Ürün Tanımı	Torx Plus	Ürün Tanımı	Torx Plus	
	CC...16...	T15P-2	15	C05012-T15P	15	
	SC...15...	T15P-2	15	C05012-T15P	15	
	TC...16...	T15P-2	15	C03509-T15P	15	
	TC...22...	T15P-2	15	C05012-T15P	15	

Baralama kafaları için uygun tutucular



Baralama kafaları Graflex®, Seco-Capto™, GL ya da BA tezgah tarafı bağlantısına sahiptir

Baralama kafaları, uygun Graflex®, Seco-Capto™ adaptörler veya Steadyline® titreşimli baralama/tornalama bari ile her türlü tezgahta kullanılabilir.

Baralama operasyonları için Steadyline® titreşim sönümleyici tutucular
GL ya da BA bağlantılı baralama kafaları HSK-T/A ve Seco-Capto™ tezgah tarafı bağlantıları ile Steadyline® baralama/tornalama barlarına monte edilmek için tasarlanmıştır. Bu bize stabil koşullarda 6xD, 8xD ve 10xD kullanım boylarında kaba ve hassas baralama olanağı verir.

Modüler Graflex® ve Seco-Capto™ delik baraları

Gerekli Graflex® ara parçalar seçilerek, 6xD'ye kadar tüm delik boyları işlenebilir. Ör. ekstra uzun olanlar için karbür uzatma seçilmelidir. En yüksek montaj sağlamlığı, mümkün olan en uzun ve geniş göbek seçilerek, bunun daha küçük ara parçalar ile tamamlanması sonucu elde edilir.

Graflex® ve Seco-Capto™ bağlantılar, ISO'ya göre uyumlu olduğundan baralama kafaları ile benzersiz bir uyumu garanti eder. Graflex® modüller bir birlerine yan taraftan bağlantı için tasarlanmıştır.

Steadyline® için GL bağlantılı baralama kafaları için Tutucu sistemleri kataloğundan en kısa Steadyline® tutucuyu seçin. Bu tutucular HSK-T/A ve Seco-Capto™ tezgah tarafı ile mevcuttur. Diğer fener mili tipleri için en kısa Seco-Capto™ adaptörler kullanılabilir.

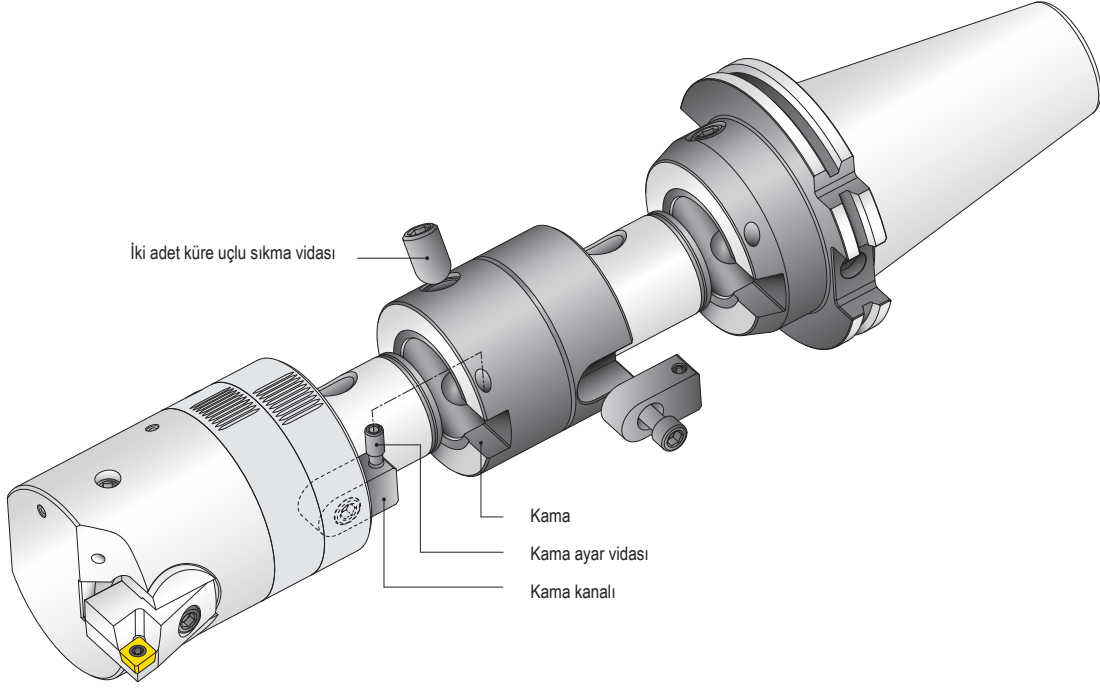
Klasik baralama kafaları için (çelik), klasik Graflex® ve Seco-Capto™ göbekleri veya ara parçaları Tutucu sistemleri kataloğundan seçin. Büyük çap için kafa bağlama çubukları için, Graflex® adaptörler ve direkt tutucular sayfasına bakınız, 635.

Not! Jumbo kafa bağlama çubukları frezeleme takımı tutucularına ya da direkt olarak tezgah fener miline takılabileceği düşünülmüş tasarlanmıştır.

Baralama kafalarına Graflex® G tipi klasik bağlantı için bağlama önerisi. (Boy ayar vidası ile kama kullanarak).

Baralama için, kama ayar vidasını sıkmaya gerek yoktur çünkü bağlantının kendini kilitleme hareketi vardır. Ağır işlerdeki kaba baralamada, Graflex® küresel vidalar için 'yüksek değerli' torkların uygulanmasını tavsiye ederiz.

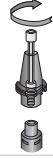
Ayrıca Tutucu Sistemleri kataloğundaki ayrıntılı "Graflex® bağlantı montajı prosedürüne" de bakın.



Seco-Capto™ bağlantılı baralama kafaları için sıkma tavsiyeleri: Özel bir tavsiye yoktur. Baralama kafaları için genel talimatlar uygulanabilir, aşağıya bakınız.

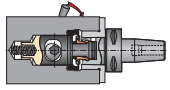
Merkezi cıvata bağlantılı Seco-Capto™ alıcı bağlantıları için sıkma torkları (Temel Tutucular, Ara parçalar).

Seco-Capto Ebat	Merkez cıvata sıkma torku (Nm)	Merkez cıvata sıkma torku (ft/lbs)
C3	40-50	30-37
C4	50-60	37-44
C5	90-100	66-74
C6	160-180	118-133
C8	160-180	118-133



Kam mili kilitlemesi ile harekete geçirilen pens sıkmalı Seco-Capto™ alıcı bağlantıları için sıkma torkları (Flanşlı Bağlamalar).

Seco-Capto Ebat	Kam sıkma torku (Nm)	Kam sıkma torku (ft/lbs)
C3	35	26
C4	50	37
C5	70	52
C6	90	66
C8	130	96

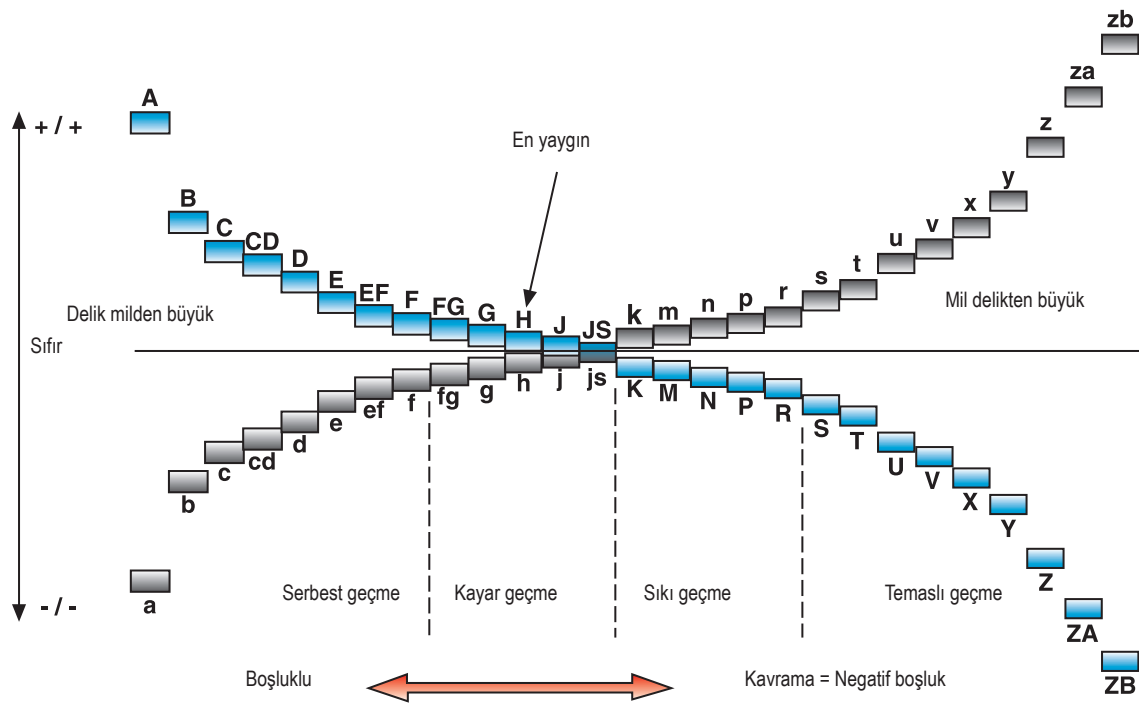
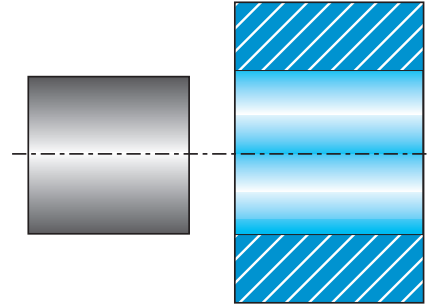


Seco-Capto™ bağlantı kendinden sıkmalı koniğe sahiptir. Merkezi cıvatalı sistemin kullanıldığı yerde, cıvata tutucu ile temas edene kadar merkez cıvatayı açın, bu da konik bağlantıyı ayıracaktır. Kam mili kilitleme sistemi kullanırken, kamın fazla açılması konik bağlantıyı ayıracaktır.

Delik ve mil için ISO standart toleransı - Mil toleransları

Mil toleransı **küçük harfler** ile belirtilmiştir

Delik toleransı ise **BÜYÜK HARFLER** ile belirtilmiştir



ISO tolerans tablosu

Delikler için ISO toleransları (µm)													
Delik Ø mm (İnç)	D10	E9	F7	F8	G7	G9	H6	H7	H8	H9	H10	H11	H12
≤ 3 (0.118")	+60 +20	+39 +14	+16 +6	+20 +6	+12 +2	+27 +2	+6 0	+10 0	+14 0	+25 0	+40 0	+60 0	+100 0
3 ≥ 6 (0.236")	+78 +30	+50 +20	+22 +10	+28 +10	+16 +4	+34 +4	+8 0	+12 0	+18 0	+30 0	+48 0	+75 0	+120 0
6 ≥ 10 (0.394")	+98 +40	+61 +25	+28 +13	+35 +13	+20 +5	+41 +5	+9 0	+15 0	+22 0	+36 0	+58 0	+90 0	+150 0
10 ≥ 18 (0.708")	+120 +50	+75 +32	+34 +16	+43 +16	+24 +6	+49 +6	+11 0	+18 0	+27 0	+43 0	+70 0	+110 0	+180 0
18 ≥ 30 (1.181")	+149 +65	+92 +40	+41 +20	+53 +20	+28 +7	+59 +7	+13 0	+21 0	+33 0	+52 0	+84 0	+130 0	+210 0
30 ≥ 50 (1.969")	+180 +80	+112 +50	+50 +25	+64 +25	+34 +9	+71 +9	+16 0	+25 0	+39 0	+62 0	+100 0	+160 0	+250 0
50 ≥ 65 (2.559")	+220	+134	+60	+76	+40	-	+19	+30	+46	+74	+120	+190	+300
65 ≥ 80 (3.150")	+100	+60	+30	+30	+10	-	0	0	0	0	0	0	0
80 ≥ 100 (3.937")	+260	+159	+71	+90	+47	-	+22	+35	+54	+87	+140	+220	+350
100 ≥ 120 (4.724")	+120	+72	+36	+36	+12	-	0	0	0	0	0	0	0
120 ≥ 140 (5.512")	+305	+185	+83	+106	+54	-	+25	+40	+63	+100	+160	+250	+400
140 ≥ 160 (6.299")	+145	+85	+43	+43	+14	-	0	0	0	0	0	0	0
160 ≥ 180 (7.087")													
180 ≥ 200 (7.874")	+355	+215	+96	+122	+61	-	+29	+46	+72	+115	+185	+290	+460
200 ≥ 225 (8.858")	+170	+110	+50	+50	+15	-	0	0	0	0	0	0	0
225 ≥ 250 (9.843")													
250 ≥ 280 (11.0236")	+400	+240	+108	+137	+69	-	+32	+52	+81	+130	210	+320	+520
280 ≥ 315 (12.402")	+190	+110	+56	+56	+17	-	0	0	0	0	0	0	0
315 ≥ 355 (13.976")	+440	+265	+119	+151	+75	-	+36	+57	+89	+140	+230	+360	+570
355 ≥ 400 (15.748")	+210	+125	+62	+62	+18	-	0	0	0	0	0	0	0

Giriş

Delme

Raybalama

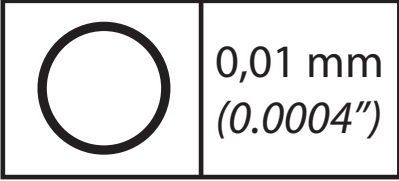
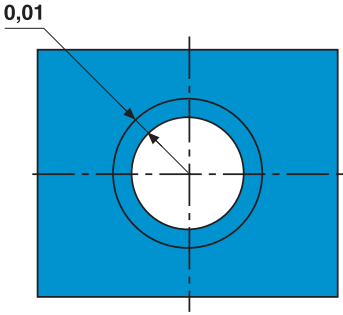

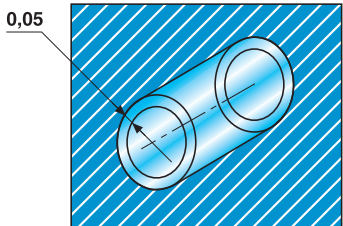
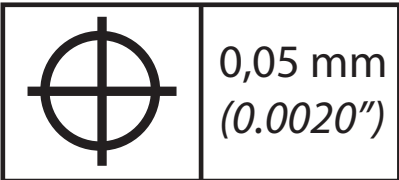
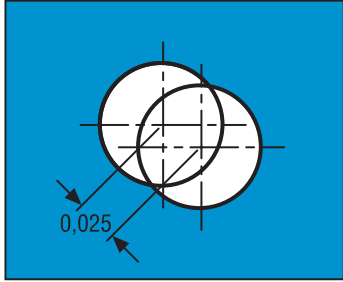
Baralama

Ek

ISO tolerans tablosu

Delikler için ISO toleransları (µm)												
Delik Ø mm (İnç)	H13	JS7	JS9	K6	K7	M6	M7	N7	N9	P7	P9	R7
≤ 3 (0.118")	+140 0	+/-5	+/-12,5	0 -6	0 -10	-2 -8	-2 -12	-4 -14	-4 -29	-6 -16	-6 -31	-10 -20
3 ≥ 6 (0.236")	+180 0	+/-6	+/-15	+2 -6	+3 -9	-1 -9	0 -12	-4 -16	0 -30	-8 -20	-12 -42	-11 -23
6 ≥ 10 (0.394")	+220 0	+/-7,5	+/-18	+2 -7	+5 -10	-3 -12	0 -15	-4 -19	0 -36	-9 -24	-15 -51	-13 -28
10 ≥ 18 (0.708")	+270 0	+/-9	+/-21,5	+2 -9	+6 -12	-4 -15	0 -18	-5 -23	0 -43	-11 -29	-18 -61	-16 -34
18 ≥ 30 (1.181")	+330 0	+/-10,5	+/-26	+2 -11	+6 -15	-4 -17	0 -21	-7 -28	0 -52	-14 -35	-22 -74	-20 -41
30 ≥ 50 (1.969")	+390 0	+/-12,5	+/-31	+3 -13	+7 -18	-4 -20	0 -25	-8 -33	0 -62	-17 -42	-26 -88	-25 -50
50 ≥ 65 (2.559")	+460 0	+/-15	+/-37	+4 -15	+9 -21	-5 -24	0 -30	-9 -39	0 -74	-21 -51	-32 -106	-30 -62
65 ≥ 80 (3.150")												
80 ≥ 100 (3.937")	+260 +120	+159 +72	+71 +36	+90 +36	+47 +12	-	+22 0	+35 0	+54 0	+87 0	+140 0	+350 0
100 ≥ 120 (4.724")												
120 ≥ 140 (5.512")	+305 +145	+185 +85	+83 +43	+106 +43	+54 +14	-	+25 0	+40 0	+63 0	+100 0	+160 0	+400 0
140 ≥ 160 (6.299")												
160 ≥ 180 (7.087")												
180 ≥ 200 (7.874")	+355 +170	+215 +110	+96 +50	+122 +50	+61 +15	-	+29 0	+46 0	+72 0	+115 0	+185 0	+460 0
200 ≥ 225 (8.858")												
225 ≥ 250 (9.843")												
250 ≥ 280 (11.0236")	+400 +190	+240 +110	+108 +56	+137 +56	+69 +17	-	+32 0	+52 0	+81 0	+130 0	210 0	+520 0
280 ≥ 315 (12.402")												
315 ≥ 355 (13.976")	+440 +210	+265 +125	+119 +62	+151 +62	+75 +18	-	+36 0	+57 0	+89 0	+140 0	+230 0	+570 0
355 ≥ 400 (15.748")												

Geometrik toleranslar

	Çizim sembolü	Tolerans alanı
Dairesellik	 0,01 mm (0.0004")	
Silindiriklik	 0,05 mm (0.0020")	
Konumlandırma sınırlaması	 0,05 mm (0.0020")	

Çelikler, ferritik ve martenzitik paslanmaz çelikler

SMG	Tanım	Özellikleri	Örn. Malz.	$k_{c1.1}$	m_c
P1	Otomat çelikler	$360 < R_m < 880$	11 SMn30 $R_m = 385 \text{ N/mm}^2$	1500	0,14
P2	Düşük alaşımlı ferritik çelikler, $C < \%0.25\text{wt}$ Düşük alaşımlı, kaynak yapılabilir genel yapı çelikleri	$320 < R_m < 600$	S235JRG2 $R_m = 420 \text{ N/mm}^2$	1600	0,23
P3	Ferritik ve Ferritik/Perlitik çelikler, $C < \%0.25\text{wt}$ Kaynak yapılabilir genel yapı çelikleri Sertleştirilmiş sementasyon çelikleri	$430 < R_m < 610$	16 MnCr 5 $R_m = 550 \text{ N/mm}^2$	1800	0,14
P4	Düşük alaşımlı genel yapı çelikleri, $\%0.25 < C < \%0.67 \text{ wt}$ Düşük alaşımlı, Su verilmiş ve Temperlenmiş çelikler	$520 < R_m < 1200$	C 45E $R_m = 660 \text{ N/mm}^2$	2000	0,15
P5	Yapı çelikleri, $\%0.25 < C < \%0.67 \text{ wt}$ Su verilmiş ve Temperlenmiş çelikler	$550 < R_m < 1200$	42 CrMo 4 $R_m = 700 \text{ N/mm}^2$	2020	0,18
P6	Düşük alaşımlı yumuşak dövülebilir çelikler, $C > \%0.67\text{wt}$ Düşük alaşımlı Yay ve rulman çelikleri	$520 < R_m < 1200$	C 100S $R_m = 600 \text{ N/mm}^2$	2100	0,17
P7	Yumuşak dövülebilir çelikler, $C > \%0.67\text{wt}$ Yay ve rulman çelikleri	$600 < R_m < 1200$	100 Cr 6 $R_m = 650 \text{ N/mm}^2$	2160	0,17
P8	Takım çelikleri Yüksek Hız Çelikleri (HSS)	$600 < R_m < 1200$	X 40 CrMoV 5 1 $R_m = 700 \text{ N/mm}^2$	2400	0,20
P11	Ferritik ve martenzitik paslanmaz çelikler	$415 < R_m < 1200$	X 20 Cr 13 $R_m = 675 \text{ N/mm}^2$	2000	0,15
P12	Martenzitik yaşlandırılmış ve çökteltme ile sertleştirilmiş paslanmaz çelikler	$500 < R_m < 1200$	X 5 CrNiCuNb 16 4 $R_m = 1100 \text{ N/mm}^2$	2100	0,17

Otomat, östenitik ve dupleks paslanmaz çelikler

SMG	Tanım	Özellikleri	Örn. Malz.	$k_{c1.1}$	m_c
M1	Otomat, östenitik paslanmaz çelikler		X 10 CrNiS 18 9	1700	0,14
M2	Düşük alaşımlı, östenitik paslanmaz çelikler		X 5 CrNi 18 10	1920	0,18
M3	Orta alaşımlı, östenitik paslanmaz çelikler		X 2 CrNiMo 18 14 3	2070	0,17
M4	Yüksek alaşımlı, östenitik ve dupleks paslanmaz çelikler		X 2 CrNiMoN 22 5 3	2230	0,16
M5	Zor yüksek alaşımlı östenitik ve dupleks paslanmaz çelikler		X 2 CrNiMoN 25 7 4	2510	0,13

Dökme demirler

SMG	Tanım	Özellikleri	Örn. Malz.	$k_{ct.1}$	m_c
K1	Gri dökme demirler (GCI)		EN-GJL-250	930	0,32
K2	Kompakt grafit demirler (CGI)		EN-GJV-400	1000	0,35
K3	Dövülebilir dökme demirler (MCI)		EN-GJMB-550-4	1050	0,37
K4	Nodüler dökme demirler (SGI)		EN-GJS-500-7	1160	0,37
K5	Östempelenmiş sünek dökme demirler (ADI)		EN-GJS-1000-5		
K6	Östenitik katmanlı dökme demirler		EN-GJLA-XNiCuCr15-6-2		
K7	Östenitik nodüler dökme demirler		EN-GJSA-XNiMn23-4		

Demir içermeyen metaller

SMG	Tanım	Özellikleri	Örn. Malz.	$k_{ct.1}$	m_c
N1	Alüminyum alaşımlar, Si < 9%		AW-7075		
N2	Alüminyum alaşımlar, 9% < Si < 16%		AC-44200 Si = 12%		
N3	Alüminyum alaşımlar, Si > 16%		AISI17Cu5		
N11	Bakır alaşımlar		CW614N	740	0,26

Süper alaşımlar ve titanyum

SMG	Tanım	Özellikleri	Örn. Malz.	$k_{ct.1}$	m_c
S1	Demir bazlı süper alaşımlar		Disalloy		
S2	Kobalt bazlı süper alaşımlar		Stellite 21		
S3	Nikel bazlı süper alaşımlar		Inconel 718	2530	0,21
S11	Titanyum, düşük alaşımlı, (α)		Ti		
S12	Titanyum, orta alaşımlı, ($\alpha+\beta$)		TiAl6V4	1500	0,24
S13	Titanyum, yüksek alaşımlı, (yaklaşık β ve β)		Ti10V2Fe3Al		

Sert Malzemeler

SMG	Tanım	Özellikleri	Örn. Malz.	$k_{c1.1}$	m_c
H3	Sertleştirilmiş sementasyon çelikleri	58 < HRC < 62	16 MnCr 5 60 HRC	2070	0,14
H5	Su Verilmiş ve Temperlenmiş çelikler	38 < HRC < 56	42 CrMo 4 50 HRC	2320	0,18
H7	Su verilmiş ve Temperlenmiş çelikler Yatak çelikleri	56 < HRC < 64	100 Cr 6 60 HRC	2480	0,17
H8	Takım çelikleri Yüksek Hız Çelikleri (HSS)	38 < HRC < 64	X 40 CrMoV 5 1 50 HRC	2750	0,20
H11	Martenzitik paslanmaz çelikler	38 < HRC < 50	X 20 Cr 13 45 HRC	2300	0,15
H12	Martenzitik yaşlandırılmış ve çöktürme ile sertleştirilmiş paslanmaz çelikler	1200 < R _m < 1650	X 5 CrNiCuNb 16 4 R _m = 1450 N/mm ²	2410	0,17
H21	Manganez çelikler	23 < HRC < 64	X 120 Mn 12 50 HRC		
H31	Beyaz dökme demirler	50 < HRC < 64	EN-GJN-HV600(XCr11) 55 HRC		

Diğer zor malzemeler

SMG	Tanım	Özellikleri	Örn. Malz.	$k_{c1.1}$	m_c
PM1	Düşük alaşımli Toz Metal malzemeler		F-0008 Fe-0.7C		
PM2	Orta alaşımli Toz Metal malzemeler		FLC-4608 Fe2Cu1.8Ni 0.5Mo0.2Mn0.8C		
PM3	Yüksek alaşımli toz metal (PM) malzemeler Egzoz valf yatağı malzemeleri				
HF1	Sert yüzeyli alaşımlar Kaynak yapılmış ya da plazma kalıntılı kobalt ve demir bazlı alaşımlar				
HF2	Sert yüzeyli alaşımlar Kaynak yapılmış ya da plazma kalıntılı kobalt ve nikel bazlı alaşımlar				
CC1	Sinterlenmiş tungsten karbür		G50		

Plastik ve Kompozitler

SMG	Tanım	Özellikleri	Örn. Malz.	$k_{c1.1}$	m_c
TS1	Sıcakta sertleşen polimerler		Üre formaldehid (UF)		
TS2	Sıcakta sertleşen Karbon fiber kompozitler		T300 T700 T800 HTA-S IMA - Epoxy (M21)...		
TS3	Sıcakta sertleşen Cam fiber kompozitler		Epoxy - HX..(42..)/E glass (7781...)...		
TS4	Sıcakta sertleşen Aramid fiber kompozitler		Kevlar 49		
TP1	Termoplastik polimerler		Polykarbon (PC)		
TP2	Termoplastik Karbon fiber kompozitler		PPS/PEEK - T300..		
TP3	Termoplastik Cam fiber kompozitler		PPS/PEEK - E cam ya da A cam...		
TP4	Termoplastik Aramid fiber kompozitler				

Grafit

SMG	Tanım	Özellikleri	Örn. Malz.	$k_{c1.1}$	m_c
GR1	Grafit		R 8500		

SMG

SMG	EN	EN-Nr	W.-Nr	DIN	AFNOR	BS	UNI	JIS	SS	UNS	
P1	11 SMn 30	1.0715	1.0715	9 SMn 28	S 250	230 M 07	CF 9 SMn 28	SUM 22	1912	G12130	
	11 SMnPb 30	1.0718	1.0718	9 SMnPb 28	S 250 Pb		CF 9 SMnPb 28	SUM 22 L	1914	G12134	
	10 S 20	1.0721	1.0721	10 S 20	10 F 1	210 M 15	CF 10 S 20				
			1.0722	10 SPb 20	10 PbF 2		CF 10 SPb 20				
	15 SMn 13	1.0725	1.0723	15 S 20		210 A 15		SUM 32	1922		
	35 S20	1.0726	1.0726	35 S 20	35 MF 4	212 M 36			1957	G11400	
	46 S20	1.0727	1.0727	46 S 20	45 MF 4	212 M 44			1973	G11460	
	11 SMn 37	1.0736	1.0736	9 SMn 36	S 300	240 M 07	CF 9 SMn 36			G12150	
11 SMn 37	1.0736	1.0736	9 SMn 36	S 300	240 M 07	CF 9 SMn 36			G12150		
S235JR	1.0037	1.0037	St 37-2	E 24-2		Fe 360 B	STKM 12 C	1311			
S235JRG2	1.0038	1.0116	St 37-3	E 24-3, E 24-4	4360-40 C	Fe 360 D FF		1312, 1313			
S275J2G3	1.0144	1.0144	St 44-3 N	E 28-3, E 28-4	4360-43 C	Fe 430 D FF	SM 41 C	1412, 1414			
C 10	1.0301	1.0301	C 10	34 C 10, XC 10	045 M 10	C 10	S 10 C			G10100	
		1.0401	C 15	37 C 12, XC 18	080 M 15	C 15, C 16		1350		G10170	
C22	1.0402	1.0402	C 22	C 20	050 A 20	C 20, C 21		1450		G10200	
S355JR	1.0570	1.0570	St 52-3	E 36-3, E 36-4	4360-50 C	Fe 510 B	SM 50 YA	2172, 2132			
C 15R	1.1141	1.1141	Ck 15	XC 15, XC 18	080 M 15	C 15, C 16		1370		G10170	
		1.1158	Ck 25	XC 25	060 A 25	C 25	S 25 C			G10250	
		1.2162	21 MnCr 5	20 NC 5			SCR 420 H				
P3	16 Mo 3	1.5415	1.5415	15 Mo 3	15 D 3	1501-240	16 Mo 3		2912		
			1.5423	16 Mo 5		1503-245-420	16 Mo 5	SB 450 M		G45200	
	14 NiCr 14	1.5752	1.5752	14 NiCr 14	12 NC 15	655 M 13		SNC 815 (H)		G33106	
			1.5919	15 CrNi 6	16 NC 6	S 107	16 CrNi 4				
	18 NiCrMo 7 6	1.6587	1.6587	18 CrNiMo 7 6	18 NCD 6	820 A 16	18 NiCrMo 7				
	16 MnCr 5	1.7131	1.7131	16 MnCr 5	16 MC 5	527 M 17	16 MnCr 5	SCR 415	2511		G51170
	16 MnCrS 5	1.7139	1.7139	16 MnCrS 5							
	20 MnCr 5	1.7147	1.7147	20 MnCr 5	20 MC 5		20 MnCr 5	SMnC 420 (H)			G51200
	20 MnCrS 5	1.7149	1.7149	20 MnCrS 5	20 MnCrS 5			SMnC 21 H			
	13 CrMo 4 5	1.7335	1.7335	13 CrMo 4 4	15 CD 3.5	1501-620 Gr. 27	14 CrMo 4 5		2216		
		1.7337	16 CrMo 4 4	15 CD 4.5	1501-620 Gr. 27	14 CrMo 4 5		2216			
10 CrMo 9 10	1.7380	1.7380	10 CrMo 9 10	10 CD 9.10	1501-622 Gr. 31	12 CrMo 9 10		2218		J21890	
P4	C35		1.0501	C 35	55 C 35	060 A 35	C 35		1550	G10350	
	E 335	1.0503	1.0503	C 45	65 C 45	80 M 46	C 45	S 45 C	1650	G10430	
	C40		1.0511	C 40	60 C 40	080 M 40	C 40	S 40 C			
	E 360	1.0070	1.0535	St 70-2	A 70-2		Fe 690		1655		
	C60	1.0601	1.0601	C 60	CC 55	080 A 62	C 60				G10600
			1.1157	40 Mn 4	35 M 5	150 M 36					G10390
	G 28 Mn6	1.1165	1.1165	30 Mn 5		120 M 36		SMn 1 H, SCMn 2			G13300
	C 35E	1.1181	1.1181	Ck 35	XC 38 H1	080 M 36	C 35	S 35 C	1572		G10340
	C 45E	1.1191	1.1191	Ck 45	XC 42	080 M 46	C 45	S 45 C	1672		G10420
	C 60E	1.1221	1.1221	Ck 60	XC 60	080 A 62	C 60	S 58 C	1665, 1678		G10640
			1.1740	C 60 W	Y3 55			SK 7			
P5	55 SiCr7	1.7100	1.0904	55 Si 7	55 S 7	250 A 53	55 Si 8		2085, 2090		
			1.2330	35 CrMo 4	34 CD 4	708 A 37	35 CrMo 4				T51620
			1.2542	45 WCrV 7			BS 1	45 WCrV 8 KU		2710	T41901
			1.2714	56 NiCrMoV 7			BH 224-5	56 NiCrMoV7-KU	SKT 4		T61206
			1.5121	46 MnSi 4							
			1.5710	36 NiCr 6	35 NC 6	640 A 35			SNC 236		
			1.5736	36 NiCr 10	35 NC 11			35 NiCr 9	SNC 631 (H)		
	36 CrNiMo 4		1.6511	36 CrNiMo 4	40 NCD 3	816 M 40	38 NiCrMo 4 (KB)				G98400
	34 CrNiMo 6	1.6582	1.6582	34 CrNiMo 6	35 NCD 6	817 M 40	35 NiCrMo 6 (KW)	SNCM 447	2541		G43400
	34 Cr 4	1.7033	1.7033	34 Cr 4	32 C 4	530 A 32	34 Cr 4 (KB)	SCR 430 (H)			G51320
	41 Cr 4	1.7035	1.7035	41 Cr 4	42 C 4	530 M 40	41 Cr 4	SCR 440 (H)			G51400
	25 CrMo 4	1.7218	1.7218	25 CrMo 4	25 CD 4 S	708 M 25	25 CrMo 4 (KB)	SCM 425	2225		G41300
	42 CrMo 4	1.7225	1.7225	42 CrMo 4	42 CD 4	708 M 40	42 CrMo 4	SCM 440 (H)	2244		G41400
	42 CrMo 4	1.7225	1.7225	42 CrMo 4	42 CD 4	708 M 40	42 CrMo 4	SCM 440 (H)	2244		G41400
		1.7361	32 CrMo 12	30 CD 12	722 M 24	32 CrMo 12		2240			
50 CrV 4	1.8159	1.8159	50 CrV 4	50 CV 4	735 A 50	51 CrV 4	SUP 10	2230		H61500	
41 CrAlMo 7 10	1.8509	1.8509	41 CrAlMo 7	40 CAD 6.12	905 M 39	41 CrAlMo 7	SACM 645	2940		K24065	
C 67S	1.1231	1.1231	Ck 67	XC 68	060 A 67	C 70		1770		G10700	
C 100S	1.1274	1.1274	Ck 101		060 A 96		SUP 4	1870		G10950	
C 105U	1.1545	1.1545	C 105 W1	Y1 105			C 100 KU	1880			
		1.1645	C 105 W2	Y1 105			C 100 KU	SK 3			
		1.1663	C 125 W	Y2 120			C 120 KU	SK 2			

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U.N.E./ I.H.A.	AISI / ASTM	GOST	ČSN	Çeşitli Markalar	Durum	Yapı
	1213				Tavlanmış	
	12 L 13				Tavlanmış	
	1108				Tavlanmış	
	11 L 08				Tavlanmış	
					Tavlanmış	
	1140	40			Tavlanmış	
	1146				Tavlanmış	
	1215				Tavlanmış	
	12 L 14				Tavlanmış	
		16D			Tavlanmış	
	A573 Grade 58	18kp	11 378		Tavlanmış	
	A573 Grade 70	St14kP	11 448		Tavlanmış	
	1010	10			Tavlanmış	
F.1110	1015	15			Tavlanmış	
	1020, 1023	20	12 024		Tavlanmış	
		17G1S	11 523		Tavlanmış	
F.1511	1015	15			Tavlanmış	
F.1120	1025	25			Tavlanmış	
					Tavlanmış	
	A204 Grade A		15 020		Tavlanmış	
	4520				Tavlanmış	
	3310, 9314	20X2H4A	16 420		Tavlanmış	
	4320		16 220		Tavlanmış	
					Tavlanmış	
F.1516	5115	12KHN2	14 220		Tavlanmış	
		18HG			Tavlanmış	
	5120	20KH	14 221		Tavlanmış	
	5120 H	20KH			Tavlanmış	
	A182-F11, A182-F12	12KHM	15 121		Tavlanmış	
	A387 Grade 12 Cl. 2				Tavlanmış	
F.155	A182-F22	12KH8	15 313		Tavlanmış	
F.1130	1035	35	12 040		Tavlanmış	
F.5110	1045	45	12 050		Tavlanmış	
	1040	40	12 041		Tavlanmış	
F.1150	1055	55			Tavlanmış	
	1060	60	12 061		Tavlanmış	
	1039	40G			Tavlanmış	
	1330	30G2			Tavlanmış	
F.1135	1035	35			Tavlanmış	
F.1140	1045	45	12 050		Tavlanmış	
F.1150	1064	60			Tavlanmış	
	1060	60			Tavlanmış	
F.144	9255	55S2			Tavlanmış	
F.1250	4135	35KHM			Tavlanmış	
F.5241	S1	5KHV2S			Tavlanmış	
	L6	5KHNV			Tavlanmış	
	5045				Tavlanmış	
	3135				Su verilmiş ve Temperlenmiş	
	3435				Tavlanmış	
	9840				Su verilmiş ve Temperlenmiş	
F.1280	4340	38H2N2MA	16 343		Tavlanmış	
	5132	35KH			Su verilmiş ve Temperlenmiş	
	5140	40H			Su verilmiş ve Temperlenmiş	
F.1251	4130	20KHM	130		Su verilmiş ve Temperlenmiş	
F.1252	4142, 4140	38HM			Tavlanmış	
F.1252	4142, 4140	38HM			Su verilmiş ve Temperlenmiş	
					Su verilmiş ve Temperlenmiş	
F.143	6150	50KHFA			Su verilmiş ve Temperlenmiş	
F.1740	A				Tavlanmış	
F.5103	1070	70			Tavlanmış	
F.5117	1095				Tavlanmış	
F.5118	W1	U10A			Tavlanmış	
		U10			Tavlanmış	
	W1	U13			Tavlanmış	

SMG

SMG	EN	EN-Nr	W.-Nr	DIN	AFNOR	BS	UNI	JIS	SS	UNS	
P7	107 CrV 3	1.2210	1.2210	115 CrV 3	100 C 3		107 CrV 3 KU			T61202	
			1.2510	100 MnCrW 4	90 MWCV 5	BO 1	95 MnWCr 5 KU	SKS 3	2140	T31501	
	90 MnCrV 8	1.2842	1.2842	90 MnCrV 8	90 MV 8	BO 2	90 MnVCr 8 KU			T31502	
	100 Cr 6	1.3505	1.3505	100 Cr 6	100 C 6	534 A 99	100 Cr 6	SUJ 2	2258	G51986	
P8	X 210 Cr 12	1.2080	1.2080	X 210 Cr 12	Z 200 C 12	BD 3	X 210 Cr 13 KU	SKD 1		T30403	
			1.2343	X 38 CrMoV 5 1	Z 38 CDV 5	BH 11	X 37 CrMoV 5 1 KU	SKD 6		T20811	
	X 40 CrMoV 5 1	1.2344	1.2344	X 40 CrMoV 5 1	Z 40 CDV 5	BH 13	X 40 CrMo 5 1 1 KU	SKD 61	2242	T20813	
	X 100 CrMoV 5	1.2363	1.2363	X 100 CrMoV 5 1	Z 100 CDV 5	BA 2	X 100 CrMoV 5 1 KU	SKD 12	2260	T30102	
			1.2365	X 32 CrMoV 3 3	32 DCV 28	BH 10	30 CrMoV 12 27 KU	SKD 7		T20810	
			1.2436	X 210 CrW 12			X 215 CrW 12 1 KU	SKD 2		2312	
			1.2601	X 165 CrMoV 12			X 165 CrMoW 12 KU			2310	
			1.2713	55 NiCrMoV 6	55 NCDV 7			SKT 4			T61206
	HS 6-5-2-5	1.3243	1.3243	S 6-5-2-5	Z 85 WDKCV 06-05-04-02		HS 6-5-2-5	SKH 55		2723	
	HS 2-10-1-8	1.3247	1.3247	S 2-10-1-8	Z 110 DKCWW 09-08-04	BM 42	HS 2-9-1-8	SKH 51			T11342
	HS 18-1-2-5	1.3255	1.3255	S 18-1-2-5	Z 80 WKCW 18-05-04-01	BT 4	HS 18-1-1-5	SKH 3			T12004
HS 6-5-2	1.3343	1.3343	S 6-5-2	Z 85 WDCV 06-05-04-02	BM 2	HS 6-5-2	SKH 9, SKH 51		2722	T11302	
HS 2-9-2	1.3348	1.3348	S 2-9-2	Z 100 DCWW 09-04-02-02		HS 2-9-2	SKH 58		2782	T11307	
HS 18-0-1	1.3355	1.3355	S 18-0-1	Z 80 WCV 18-04-01	BT 1	HS 18-0-1	SKH 2			T12001	
P11	X 6 Cr 13	1.4000	1.4000	X 6 Cr 13	Z 6 C 12	403 S 17	X 6 Cr 13	SUS 403	2301	S41008	
	X 12 Cr 13	1.4006	1.4006	X 10 Cr 13	Z 10 C 13	410 S 21	X 12 Cr 13	SUS 410	2302	S41000	
	X 6 Cr 17	1.4016	1.4016	X 6 Cr 17	Z 8 C 17	430 S 15	X 8 Cr 17	SUS 430	2320	S43000	
	X 20 Cr 13	1.4021	1.4021	X 20 Cr 13	Z 20 C 13	420 S 37	X 20 Cr 13	SUS 420 J 1	2303	S42000	
	X 39 Cr 13	1.4031	1.4031	X 40 Cr 13	Z 40 C 14	420 S 45	X 40 Cr 14	SUS 420	2304	S40280	
	X 70 CrMo 15	1.4109	1.4109	X 65 CrMo 14	Z 70 D 14			SUS 440 A		S44002	
	X 90 CrMoV 18	1.4112	1.4112	X 90 CrMoV 18	Z 2 CND 18 05	409 S 19	X CrTi 12	SUS 440 B	2327	S44003	
	X 105 CrMo 17	1.4125	1.4125	X 105 CrMo 17	Z 100 CD 17		X 105 CrMo 17	SUS 440 C		S44004	
	X 3 CrNiMo 13 3	1.4313	1.4313	X 5 CrNi 13 4	Z 5 CN 13 4	425 C 11	X 6 CrNi 13 04	SCS 5		2385	S41500
	X 18 CrNi 28	1.4749	1.4749	X 18 CrNi 28	Z 18 C 25					2322	S44600
	P12	X 6 NiCrTiMoV 25 15	1.4534	1.4534	X 3 CrNiMoAl 13 8 2						S13800
X 4 CrNiCuNb 16 4		1.4540	1.4540	X 4 CrNiCuNb 16 4						S15500	
		1.4540	1.4540	X 4 CrNiCuNb 16 4	Z 4 CNU Nb 16.4 M					S15500	
X 4 CrNiCuNb 16 4		1.4540	1.4540	X 4 CrNiCuNb 16 4						S15500	
X 5 CrNiCuNb 16 4		1.4542	1.4542	X 5 CrNiCuNb 16 4				SUS 630		S17400	
X 5 CrNiCuNb 17 4		1.4548	1.4548	X 5 CrNiCuNb 17 4	Z 6 CNU 17.4			SCS 24, SUS 630		S17400	
X 7 CrNiAl 17 7		1.4564	1.4564	X 7 CrNiAl 17 7	Z 9 CAN 17.7	301 S 81	X 7 CrNiAl 17 7	SUS 631	2388	S17700	
X 2 NiCoMoTi 18 12 4		1.6356	1.6356	X 2 NiCoMoTi 18 12 4						K93160	
X 2 NiCoMoTi 18 9 5		1.6358	1.6358	X 2 NiCoMoTi 18 9 5	Z 2 NKD 19-09					K93120	
X 2 NiCoMo 18 9 5		1.6358	1.6358	X 2 NiCoMoTi 18 9 5	Z 2 NKD 19-09					K93120	
X 2 NiCoMo 18 8 5		1.6359	1.6359	X 2 NiCoMo 18 8 5		S 162				K92890	
X 2 NiCoMo 18 8 5	1.6359	1.6359	X 2 NiCoMo 18 8 5		S 162				K92890		
M1	X 10 CrNiS 18 9	1.4305	1.4305	X 10 CrNiS 18 9	Z 10 CNF 18.09	303 S 31	X 10 CrNi 18 09	SUS 303	2346	S30300	
	X 2 CrNi 19 11	1.4306	1.4306	X 2 CrNi 19 11	Z 2 CN 18.10	304 S 12	X 3 Cr Ni 18 11	SUS 304 L	2352	S30403	
M2	X 5 CrNi 18 10	1.4301	1.4301	X 5 CrNi 18 10	Z 6 CN 18.09	304 S 31	X 5 CrNi 18 11	SUS 304	2333	S30400	
	X 5 CrNiMo 17 12 2	1.4401	1.4401	X 5 CrNiMo 17 12 2	Z 3 CND 17.11.1	316 S 31	X 5 CrNiMo 17 12	SUS 316	2347	S31600	
	X 6 CrNiNb 18 10	1.4550	1.4550	X 6 CrNiNb 18 10	Z 6 CNNb 18.10	347 S 31	X 6 CrNiNb 18 11	SUS 347	2338	S34700	
	X 9 CrNi 18 8	1.4310	1.4310	X 12 CrNi 17 7	Z 12 CN 17.07	301 S 21	X 12 CrNi 17 07	SUS 301	(2331)	S30100	
	X 12 CrNi 18 8	1.4300	1.4300	X 12 CrNi 18 8	Z 12 CN 18	302 S 25		SUS 302		2331	S30200
M3	X 2 CrNiMo 18 14 3	1.4435	1.4435	X 2 CrNiMo 18 14 3	Z 2 CND 17.13	316 S 12	X 2 CrNiMo 17 13 2	SCS 16, SUS 316 L	2353	S31603	
	X 2 CrNiMoN 17 13 3	1.4429	1.4429	X 2 CrNiMoN 17 13 3	Z 2 CND 17.13 Az	316 S 62	X 2 CrNiMoN 17 13 3	SUS 316 LN	2375	S31653	
	X 2 CrNiN 18 10	1.4311	1.4311	X 2 CrNiN 19 11	Z 2 CN 18 .10 Az	304 S 62	X 2 CrNiN 18 11	SUS 304 LN	2371	S30453	
	X 3 CrNiMo 18 12 3	1.4466	1.4466	X 5 CrNi 18 15		317 S 16	X 5 CrNi 18 15	SUS 317		2366	S31700
	X 9 CrNiSiN 21 11 2	1.4835	1.4893	X 9 CrNiSiN 21 11 2		310 S 31				2368	S30815
	X 12 CrNi 25 21	1.4335	1.4335	X 12 CrNi 25 21	Z 12 CN 25.20	310 S 24	X 6 CrNi 26 20	SUH 310, SUS 310 S		2361	S31008
M4	X 2 CrNiMoN 22 5 3	1.4462	1.4462	X 2 CrNiMoN 22 5	Z 2 CND 22.05 Az	332 S 15	X 2 CrNiMoN 22 5			2377	S31803
	X 2 CrNiMoSi 19 5	1.4424	1.4417	X 2 CrNiMoSi 19 5	Z 2 CND 18.05.03					2376	S31500
	X 2 NiCrMoCu 25 20 5	1.4539	1.4539	X 2 NiCrMoCu 25 20 5	Z 2 NCDU 25 20	904 S 13				2562	N08904
	X 3 CrNiMo 27 5 2	1.4460	1.4460	X 4 CrNiMo 27 5 2	Z 3 CND 25.7 Az		X 3 CrNiMo 27 5 2	SUS 329 J 1		2324	S32900
M5	X 5 CrNiCuNb 16 4	1.4980	1.4943	X 4 NiCrTi 25 15	Z 6 NCTDV 25.15	HR 51				2570	S66286
	X 1 CrNiMoN 20 18 7	1.4547	1.4529	X 1 CrNiMoN 20 18 7	Z 1 CNDU 20.18.05 Az		X 1 CrNiMoN 20 18 7			2778	S31254
	X 1 CrNiMoN 25 22 8	1.4652	1.4652	X 2 CrNiMoN 25 22 7							S32654
	X 10 NiCrAlTi 32 20	1.4876	1.4876	X 10 NiCrAlTi 32 20	Z 10 NC 32.21				NCF 800		N08800
	X 2 CrNiMoN 25 7 4	1.4410	1.4410	X 2 CrNiMoN 25 7 4	Z 3 CND 25.07 Az		X 2 CrNiMoN 25 7 4			2328	S32750

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U.N.E./ I.H.A.	AIISI / ASTM	GOST	ÇSN	Çeşitli Markalar	Durum	Yapı
F.520L	L2	11KHF			Tavlanmış	
F.5220	O1	9KHVG			Tavlanmış	
	O2	9G2F			Tavlanmış	
F.5230	52100	SHKH15	14 109		Tavlanmış	
F.5212	D3	KH12			Tavlanmış	
	H11	4KH5MFS			Tavlanmış	
F.5318	H13	4KH5MF1S			Tavlanmış	
F.5227	A2	9KH5VF			Tavlanmış	
	H10	3KH3M3F			Tavlanmış	
F.5213		KH12			Tavlanmış	
		KH12MF			Tavlanmış	
F.520.S	L6	5KHNM			Tavlanmış	
F.5613	M35	R6M5K5			Tavlanmış	
	M42	R2AM9K5			Tavlanmış	
	T4	R18K5F2			Tavlanmış	
F.5603	M2	R6M5			Tavlanmış	
	M7				Tavlanmış	
	T1	R18			Tavlanmış	
	403	08KH13			Tavlanmış	Feritik
F.3401	410, CA-15	12KH13, 08KH13			Tavlanmış	Martenzitik
F.3113	430	12KH17			Tavlanmış	Feritik
F.5261	420	20KH13	17 022		Tavlanmış	Martenzitik
F.3404	420	40KH13			Tavlanmış	Martenzitik
	440 A				Tavlanmış	Martenzitik
	440 B	95KH18			Tavlanmış	Martenzitik
	440 C	95KH18			Tavlanmış	Martenzitik
	A182 F6NM			F6NM	Tavlanmış	Martenzitik
	446	15KH28			Tavlanmış	Feritik
	XM-13			PH 13-8 Mo	Çözelti tavlanmış	Östenitik
	XM-12			15-5 PH	H1150	Martenzitik
	XM-12			15-5 PH	Çözelti tavlanmış	Martenzitik
	XM-12			15-5 PH	H1025	Martenzitik
	SAE 630			17-4 PH	H1150	Martenzitik
	630			17-4 PH	Çözelti tavlanmış	Martenzitik
	631	09KH17N7YU1		17-7 PH	Çözelti tavlanmış	Östenitik/Feritik
	AMS 6515			Marage 350	Çözelti tavlanmış	Martenzitik
	AMS 6521			Marage 300	Çözelti tavlanmış	Martenzitik
	AMS 6514			Marage 300, Vascomax C300	Çözelti tavlanmış	Martenzitik
	AMS 6512			Marage 250	Çözelti tavlanmış	Martenzitik
	AMS 6512			Marage 250, Vascomax C250	Çözelti tavlanmış	Martenzitik
F.3508	303	12KH19N9			Tavlanmış	Östenitik
F.3504	304 L	03KH18N11			Tavlanmış	Östenitik
F.3504	304	08KH18N10	17 240		Tavlanmış	Östenitik
F.3534	316	08KH17H13M2T	17 346		Tavlanmış	Östenitik
F.3524	347	08KH18N12B			Tavlanmış	Östenitik
F.3517	301	07KH16N6			Tavlanmış	Östenitik
	302	12KH18N9			Tavlanmış	Östenitik
F.3533	(316 L)	03KH17N14M3	17 349		Tavlanmış	Östenitik
	316 LN	03KH16N15M3			Tavlanmış	Östenitik
F.3541	304 LN	03KH18N11			Tavlanmış	Östenitik
	317	08KH17H15M3T			Tavlanmış	Östenitik
				253 MA	Tavlanmış	Östenitik
	310 S	12KH25N20			Tavlanmış	Östenitik
	329 LN			SAF 2205	Tavlanmış	Dubleks
				3RE60	Tavlanmış	Dubleks
	904L				Tavlanmış	Süper Östenitik
	329				Tavlanmış	Dubleks
	660			A286	Çözelti tavlanmış	Östenitik
				254 SMO	Tavlanmış	Süper Östenitik
				654 SMO	Tavlanmış	Süper Östenitik
				Alloy 800	Tavlanmış	Östenitik
	F 53			SAF 2507	Tavlanmış	Süper dubleks

SMG

SMG	EN	EN-Nr	W-Nr	DIN	AFNOR	BS	UNI	JIS	SS	UNS	
K1	EN-GJL-150	0.6150	0.6150	GG-15	Fl 15 D	Grade 150	G15	FC 150	01 15-00	F11601	
	EN-GJL-200	0.6200	0.6200	GG-20	Fl 20 D	Grade 220	G20	FC 200	01 20-00	F12101	
	EN-GJL-250	0.6250	0.6250	GG-25	Fl 25 D	Grade 260	G25	FC 250	01 25-00	F12401	
	EN-GJL-350	0.6350	0.6350	GG-35	Fl 35 D	Grade 350	G35	FC 350	01 35-00	F13502	
	EN-GJL-215			GG-220 HB					02 19		
K2	EN-GJV-300			GJV-300							
	EN-GJV-350			GJV-350							
	EN-GJV-400			GJV-400							
	EN-GJV-450			GJV-450							
	EN-GJV-500			GJV-500							
K3	EN-GJMB-550-4	0.8155		GTS-55-04	P 540/5	P 540/5	P 55-04	PCMP55-04	08 54-00	F24130	
K4	EN-GJS-350-22	0.7033	0.7033	GGG-35.3	FGS 370-17	Grade 350/22		FCD 350-22L	07 17-15		
	EN-GJS-400-15	0.7040	0.7040	GGG-40	FGS 400-12	Grade 420/12	GS 400-12	FCD 400-18L	07 17-02	F32800	
	EN-GJS-400-18	0.7043	0.7043	GGG-40.3	FGS 370-17	Grade 370/17	GSO 42/17		07 17-12	F32800	
	EN-GJS-500-7	0.7050	0.7050	GGG-50	FGS 500-7	Grade 500/7	GS 500-7	FCD 500-7	07 27-02	F33800	
	EN-GJS-600-3	0.7060	0.7060	GGG-60	FGS 600-3	Grade 600/3	GS 600-3	FCD 600-3	07 32-03	F34100	
	EN-GJS-700-2	0.7070	0.7070	GGG-70	FGS 700-2	Grade 700/2	GS 700-2	FCD 700-2	07 37-01	F34800	
K5	EN-GJS-1000-5			GJS-1000-5						ADI grade 5	
	EN-GJS-1200-2			GJS-1200-2						ADI grade 2	
	EN-GJS-1400-1			GJS-1400-1						ADI grade 3	
	EN-GJS-800-8			GJS-800-8						ADI grade 4	
										ADI grade 1	
K6	EN-GJLA-XNiCr 20-2	0.6660	0.6660	GGL-NiCr 20 2	FGL Ni20 Cr2	Grade F2			05 23-00	F41002	
	EN-GJLA-XNiCr 30-3	0.6676	0.6676	GGL-NiCr 30 3	FGL Ni30 Cr3	Grade F3				F41004	
	EN-GJLA-XNiCuCr 15-6-2	0.6655	0.6655	GGL-NiCuCr 15 6 2	FGL Ni15 Cu6 Cr2	Grade F1				F41000	
K7	EN-GJSA-XNiMn 13-7	0.7652	0.7652	GGG-NiMn 13 7	FGS Ni13 Mn7	Grade S6			07 72-00		
	EN-GJSA-XNiCr 20-2	0.7660	0.7660	GGG-NiCr 20 2	FGS Ni20 Cr2	Grade S2				F43000	
	EN-GJSA-XNiMn 23-4	0.7673	0.7673	GGG-NiMn 23 4	FGS Ni23 Mn4	Grade S2M				F43010	
	EN-GJSA-XNiCr 30-3	0.7676	0.7676	GGG-NiCr 30 3	FGS Ni30 Cr3	Grade S3				F43003	
	EN-GJSA-XNi 35	0.7683	0.7683	GGG-Ni 35	FGS Ni35					F43006	
	AW-1050A	Al99.5	3.0255	Al99.5	A-5/1050A	1B		(A1050)	4007		AA1050A
AW-2011	AlCuBiPb	3.1655	AlCuBiPb	A-U5PbBi/2011	FC1		A2011	4355		AA2011	
AW-2014	AlCuSiMn	3.1255	AlCuSiMn	A-U4SG/2014	H15			4338		AA2014	
AW-5005	AlMg1	3.3315	AlMg1	A-G0.6	N41			4106		AA5005	
AW-6060	AlMgSi0.5	3.3206	AlMgSi0.5	A-GS/6060	(H9)			4103		AA6060	
AW-6063	AlMgSi0.7	3.3210	AlMgSi0.7	A-GSUC/6061	(H10)		(A6063)	4104, 4107		AA6005	
AW-3103	AlMn1	3.0515	AlMn1		N3			4054		AA3103	
AW-3003	AlMn1Cu	3.0517	AlMn1Cu	A-M1/3003			A3003			AA3003	
AW-7020	AlZn4.5Mg1	3.4335	AlZn4.5Mg1	A-Z5G/7020	H17			4425		AA7020	
AW-7075		3.4365	AlZnMgCu1.5	A-Z5GU/7075	2L95/2L96			A7075		AA7075	
AC-42000		3.2341	G-AlSi5Mg	A-S7G	LM25	3599		AC 4C	4244		
AC-46200	AlSi8Cu3(Si)	3.2161	G-AlSi8Cu3						4251	A13800	
MG-P-63	MgAl6Zn	3.5612	G-MgAl6Zn	G-A6-Z1	MAG-E-121					M11600	
MG-P-61	MgAl8Zn	3.5812	G-MgAl8Zn	(G-A7-Z1)							
MN65120	MgSe3Zn2Zr1	3.5103	G-MgSe3Zn2Zr1	ZRE1	MAG6-TE					M12330	
AC-43400	AlSi10Mg(Fe)	3.2381	G-AlSi10Mg	A-S10G	LM9				4253	A13600	
AC-44200	AlSi12	3.2382	GD-AlSi12								
AW-6082	AlMgSi1	3.2315	AlMgSi1	A-SGM0.7/6082	H30				4212	AA6082	
N3	AlSi17Cu5							ADC14			
N11	CC331G		2.0940.01	CuAl10Fe	CuAl10Fe	AB1			5710	C95200	
	CC333G		2.0975.01	CuAl10Ni	CuAl10Ni5Fe5	AB2			5716	C95500	
			2.0872	CuNi10Fe1Mn	CuNi10Fe1Mn	CN102			5667		C70600
				CuNi10Zn45							
			2.0790	CuNi18Zn19Pb	CuNi18Zn19Pb1						C76300
	CW352H		2.1176	CuPb10Sn	CuSn10Pb10	LB2			5640		C93700
	CC480K		2.1050.01	CuSn10	CuSn10	CT1			5443		C90700
			2.1087	CuSn10Zn					5458		C90500
	CW452K	CuSn6	2.1020	CuSn6	CuSn6	PB103		C5191	5428		C51900
	CW502L	CuZn15	2.0240	CuZn15	CuZn15	CZ102		C2300	5112		C23000
	CW706R	CuZn28Sn1	2.0470	CuZn28Sn1	CuZn29Sn1				5220		C44300
	CW508L	CuZn37	2.0321	CuZn37	CuZn37	CZ108			5150		C27200
	CW717R	CuZn38Sn1	2.0530	CuZn38Sn1							C46400
	CW614N	CuZn39Pb3	2.0401	CuZn39Pb3	CuZn39Pb3	CZ121			5170		C38500
	CW612N	CuZn40Pb2	2.0402	CuZn40Pb2	CuZn39Pb2	CZ120			5168		C37800
	CW622N	CuZn44Pb2	2.0410	CuZn44Pb2		CZ104			5272		C68700

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SMG	EN	EN-Nr	W.-Nr	DIN	AFNOR	BS	UNI	JIS	SS	UNS
S1										
S2										
S3	NiMo30		2.4810							N10002
	NiMo16Cr15W		2.4819							N10276
	NiCr19Fe19Nb5Mo3		2.4668							N07718
			2.4669							N07750
	NiCr20TiAl		2.4631							N07080
	NiCr19Co18Mo4Ti3Al3 NiCr20Co13Mo4Ti3Al		2.4654							N07500 N07001
S11			3.7024							R54620
S12										R56320 R56400
	TiAl6V4		3.7164							
S13				TiV10Fe2Al3						
H3	16 MnCr 5	1.7131	1.7131	16 MnCr 5	16 MC 5	527 M 17	16 MnCr 5	SCR 415	2511	G51170
H5	C 67S	1.1231	1.1231	Ck 67	XC 68	060 A 67	C 70		1770	G10700
	C 75S	1.1248	1.1248	Ck 75	XC 75	060 A 78	C 75		1774, 1778	G10780
	C 100S	1.1274	1.1274	Ck 101		060 A 96		SUP 4	1870	G10950
	C 105U	1.1545	1.1545	C 105 W1	Y1 105		C 100 KU		1880	
			1.2550	60 WCrV 7	55 WC 20		55 WCrV 8 KU			
	55 Cr 3	1.7176	1.7176	55 Cr 3	55 C 3	527 A 60	55 Cr 3	SUP 9 (A)	2253	G51550
H7	42 CrMo 4	1.7225	1.7225	42 CrMo 4	42 CD 4	708 M 40	42 CrMo 4	SCM 440 (H)	2244	G41400
	107 CrV 3	1.2210	1.2210	115 CrV 3	100 C 3		107 CrV 3 KU			T61202
			1.2510	100 MnCrW 4	90 MWCV 5	BO 1	95 MnWCr 5 KU	SKS 3	2140	T31501
	90 MnCrV 8	1.2842	1.2842	90 MnCrV 8	90 MV 8	BO 2	90 MnVCr 8 KU			T31502
	100 Cr 6	1.3505	1.3505	100 Cr 6	100 C 6	534 A 99	100 Cr 6	SUJ 2	2258	G51986
	X 40 CrMoV 5 1	1.2344	1.2344	X 40 CrMoV 5 1	Z 40 CDV 5	BH 13	X 40 CrMo 5 1 1 KU	SKD 61	2242	T20813
H8	X 100 CrMoV 5	1.2363	1.2363	X 100 CrMoV 5 1	Z 100 CDV 5	BA 2	X 100 CrMoV 5 1 KU	SKD 12	2260	T30102
	X 155 CrVMo 12 1		1.2379	X 155 CrVMo 12 1	Z 160 CDV 12	BD 2	X 155 CrVMo 12 1 KU	SKD 11		T30402
			1.2436	X 210 CrW 12			X 215 CrW 12 1 KU	SKD 2	2312	
			1.2601	X 165 CrMoV 12			X 165 CrMoV 12 KU		2310	
			1.2713	55 NiCrMoV 6	55 NCDV 7			SKT 4		T61206
	HS 6-5-2-5	1.3243	1.3243	S 6-5-2-5	Z 85 WDKCV 06-05-05-04-02		HS 6-5-2-5	SKH 55	2723	
H11	HS 2-10-1-8	1.3247	1.3247	S 2-10-1-8	Z 110 DKCWV 09-08-	BM 42	HS 2-9-1-8	SKH 51		T11342
	HS 18-0-1	1.3355	1.3355	S 18-0-1	Z 80 WCV 18-04-01	BT 1	HS 18-0-1	SKH 2		T12001
	X 20 Cr 13	1.4021	1.4021	X 20 Cr 13	Z 20 C 13	420 S 37	X 20 Cr 13	SUS 420 J 1	2303	S42000
	X 70 CrMo 15	1.4109	1.4109	X 65 CrMo 14	Z 70 D 14			SUS 440 A		S44002
	X 90 CrMoV 18	1.4112	1.4112	X 90 CrMoV 18	Z 2 CND 18 05	409 S 19	X CrTi 12	SUS 440 B	2327	S44003
	X 105 CrMo 17	1.4125	1.4125	X 105 CrMo 17	Z 100 CD 17		X 105 CrMo 17	SUS 440 C		S44004
H12	X 4 CrNiCuNb 16 4	1.4540	1.4540	X 4 CrNiCuNb 16 4						S15500
	X 5 CrNiCuNb 16 4	1.4542	1.4542	X 5 CrNiCuNb 16 4				SUS 630		S17400
	X 5 CrNiCuNb 16 4	1.4542	1.4542	X 5 CrNiCuNb 16 4				SUS 630		S17400
	X 7 CrNiAl 17 7	1.4568	1.4568	X 7 CrNiAl 17 7	Z 9 CAN 17.7	301 S 81	X 7 CrNiAl 17 7	SUS 631	2388	S17700
	X 8 CrNiMoAl 15 7 5	1.4574	1.4574	X 8 CrNiMoAl 15 7 5						S15700
	X 6 NiCrTiMoV 25 15	1.4980	1.4943	X 4 NiCrTi 25 15	Z 6 NCTDV 25.15	HR 51		SUH 660	2570	S66286
	X 2 NiCoMo 18 8 5	1.6359	1.6359	X 2 NiCoMo 18 8 5		S 162				K92890
	X 2 NiCoMoTi 18 9 5	1.6358	1.6358	X 2 NiCoMoTi 18 9 5	Z 2 NKD 19-09					K93120
	X 2 NiCoMoTi 18 9 5	1.6358	1.6358	X 2 NiCoMoTi 18 9 5	Z 2 NKD 19-09					K93120
	X 2 NiCoMoTi 18 12 4	1.6356	1.6356	X 2 NiCoMoTi 18 12 4						K93160
H21	X 120 Mn 12	1.3401	1.3401	X 120 Mn 12	Z 120 M 12	BW 10		SC MnH 1	2183	
H31	EN-GJN-HV520	0.9620	0.9620	G-X330 NiCr 4 2	FB Ni4 Cr2 BC	Grade 2 A			05 12-00	F45001
	EN-GJN-HV550	0.9625	0.9625	G-X260 NiCr 4 2	FB Ni4 Cr2 HC	Grade 2 B			05 13-00	F45000
	EN-GJN-HV600(XCr11)	0.9630	0.9630	G-X300 CrNiSi 9 5 2	FB Cr9 Ni5	Grade 2 C, D, E			04 57-00	F45003

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U.N.E./ I.H.A.	AISI / ASTM	GOST	ČSN	Çeşitli Markalar	Durum	Yapı
				Discolloy	Çökeltme ile sertleştirilmiş	
				Haynes 25		
				Stellite 21		
				Hastelloy C		
		KHN65MV		Hastelloy C-276		
				IN 100		
				Inconel 718		
				Inconel X-750	Çözelti tavlama	
				Nimonic 80A		
				René 41		
				Udimet 500		
				Waspalloy		
				Ti	Tecimsel ağırlıkta	Ti (α)
	AMS 4919			Ti 6-2-4-2	Tavlama	Ti (α)
	AMS 4943			Ti 3Al-2.5V (grd 9)	Tavlama	Ti (α+β)
	AMS 4920, Grade 5	VT6		Ti 6Al-4V	Tavlama	Ti (α+β)
	AMS 4986			Ti 10V-2Fe-3Al	Tavlama	Ti (β)
F.1516	5115	12KH2	14 220		Sertleştirilmiş sementasyon	
F.5103	1070	70			Su verilmiş ve Temperlenmiş	
F.5107	1078, 1080	75			Su verilmiş ve Temperlenmiş	
F.5117	1095				Su verilmiş ve Temperlenmiş	
F.5118	W1	U10A			Su verilmiş ve Temperlenmiş	
	S1	5KHV2SF			Su verilmiş ve Temperlenmiş	
	5155				Su verilmiş ve Temperlenmiş	
F.1252	4142, 4140	38HM	15 142		Su verilmiş ve Temperlenmiş	
F.520L	L2	11KHF			Su verilmiş ve Temperlenmiş	
F.5220	O1	9KHVG			Su verilmiş ve Temperlenmiş	
	O2	9G2F			Su verilmiş ve Temperlenmiş	
F.5230	52100	SHKH15	14 109		Su verilmiş ve Temperlenmiş	
F.5318	H13	4KH5MF1S			Su verilmiş ve Temperlenmiş	
F.5227	A2	9KH5VF			Su verilmiş ve Temperlenmiş	
F.5211	D2	KH12MF			Su verilmiş ve Temperlenmiş	
F.5213		KH12			Su verilmiş ve Temperlenmiş	
		KH12MF			Su verilmiş ve Temperlenmiş	
F.520.S	L6	5KHNM			Su verilmiş ve Temperlenmiş	
F.5613	M35	R6M5K5			Su verilmiş ve Temperlenmiş	
	M42	R2AM9K5			Su verilmiş ve Temperlenmiş	
	T1	R18			Su verilmiş ve Temperlenmiş	
F.5261	420	20KH13	17 022		Su verilmiş ve Temperlenmiş	Martenzitik
	440 A				Su verilmiş ve Temperlenmiş	Martenzitik
	440 B	95KH18			Su verilmiş ve Temperlenmiş	Martenzitik
	440 C	95KH18			Su verilmiş ve Temperlenmiş	Martenzitik
	XM-12			15-5 PH	H900	Martenzitik
	SAE 630			17-4 PH	H1025	Martenzitik
	SAE 630			17-4 PH	H900	Martenzitik
	AMS 5528	09KH17N7YU1		17-7 PH	TH1050	Martenzitik
	632			PH 15-7 Mo	TH1050	Martenzitik
	660			A286	Çökeltme ile sertleştirilmiş	Östenitik
	AMS 6512			Marage 250	Çökeltme ile sertleştirilmiş	Martenzitik
	AMS 6521			Marage 300	Çökeltme ile sertleştirilmiş	Martenzitik
	AMS 6521			Marage 300	Çökeltme ile sertleştirilmiş	Martenzitik
	AMS 6515			Marage 350	Çökeltme ile sertleştirilmiş	Martenzitik
	A128 Grade A			Hadfield		
	A532 IB (NiCr-LC)			Ni-Hard 2		Beyaz dökme demir
	A532 IA (NiCr-HC)			Ni-Hard 1		Beyaz dökme demir
	A532 ID (Ni-HiCr)			Ni-Hard 4		Beyaz dökme demir

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Dolgulu karbür uçlar ve uç tutucuları

Dolgulu karbür uçlar ve uç tutucuları aşağıdaki gereksinimlere uymak için Seco Tools'un ürün çeşitlerine dahil değildir. Yine de Seco Tools aşağıdaki bildirgeyi deklare edebilir. Bu ürünler RoHS (Elektronik ve elektrikli ekipmanlarda bazı Zararlı Maddelerin kullanılmasını yasaklanması) ve WEEE (Artık Elektrik ve Elektronik Ekipmanlar) şartlarına uymaktadır. Bu ürünler cıva, kurşun, krom, kadmiyum, CFC, HCFC, alev önleyici maddeler ya da sıvılar gibi maddelerin izin verilen yasal oranlardan fazlasını içermez.

Tekrar bileme:

Kuru ya da ıslak bileme yaparken deri, gözler, burun, gırtlak ve ciğerlerde hasara yol açan tehlikeli tozlar meydana çıkar. Bunlara karşı uygun güvenlik önlemlerini alın ve koruyucu ekipmanları takınız.

İmha etme:

Seco Tools kullanılmış uçları ve solid karbür takımları geri dönüşüm için geri alır. Uçlar ve solid karbür takımlar diğer metal artıklardan (çelik, alüminyum, bakır gibi) ayrıştırılmalıdır. Paketleme malzemeleri tümü ile geri dönüştürülebilir.

CBN ve PCD uçlar

Uçlar aşağıdaki gereksinimlere uymak için Seco Tools'un ürün çeşitlerine dahil değildir. Yine de Seco Tools aşağıdaki bildirgeyi deklare edebilir. Bu ürünler RoHS (Elektronik ve elektrikli ekipmanlarda bazı Zararlı Maddelerin kullanılmasını yasaklanması), WEEE (Artık Elektrik ve Elektronik Ekipmanlar) ve ELV (Ömrünü Tamamlamış Araçlar) şartlarına uymaktadır. Bu ürünler cıva, kurşun, krom, kadmiyum, CFC, HCFC, alev önleyici maddeler ya da sıvılar gibi maddelerin izin verilen yasal oranlardan fazlasını içermez.

Tekrar bileme:

Kuru ya da ıslak bileme yaparken deri, gözler, burun, gırtlak ve ciğerlerde hasara yol açan tehlikeli tozlar meydana çıkar. Bunlara karşı uygun güvenlik önlemlerini alın ve koruyucu ekipmanları takınız.

İmha etme:

Seco Tools kullanılmış CBN- ya da PCD uçları geri dönüşüm için geri alır. Uçlar diğer metal artıklardan (çelik, alüminyum, bakır gibi) ayrıştırılmalıdır. Solid CBN-uçlar normal atık olarak ıskarta edilebilir. Paketleme malzemeleri tümü ile geri dönüştürülebilir.

Siyah oksitli uç tutucuları

Uç tutucuları aşağıdaki gereksinimlere uymak için Seco Tools'un ürün çeşitlerine dahil değildir. Yine de Seco Tools aşağıdaki bildirgeyi deklare edebilir. Bu ürünler RoHS (Elektronik ve elektrikli ekipmanlarda bazı Zararlı Maddelerin kullanılmasını yasaklanması), WEEE (Artık Elektrik ve Elektronik Ekipmanlar) ve ELV (Ömrünü Tamamlamış Araçlar) şartlarına uymaktadır. Bu ürünler cıva, kurşun, krom, kadmiyum, CFC, HCFC, alev önleyici maddeler ya da sıvılar gibi maddelerin izin verilen yasal oranlardan fazlasını içermez.

İmha etme:

Kullanılmış uç tutucuları sıradan çelik atıklar (talaş ve ıskarta çelik atıklar gibi) ile birlikte geri dönüşüme gönderilebilir. Paketleme malzemeleri tümü ile geri dönüştürülebilir.

Sermet uçlar

Uçlar aşağıdaki gereksinimlere uymak için Seco Tools'un ürün çeşitlerine dahil değildir. Yine de Seco Tools aşağıdaki bildirgeyi deklare edebilir.

Bu ürünler RoHS (Elektronik ve elektrikli ekipmanlarda bazı Zararlı Maddelerin kullanılmasını yasaklanması), WEEE (Artık Elektrik ve Elektronik Ekipmanlar) ve ELV (Ömrünü Tamamlamış Araçlar) şartlarına uymaktadır.

C15M Sermet kalite uçlar Nikel ihtiva eder ve deri ile temas ettiği zaman Nikel silinir. Silinen Nikel miktarı deri ile direkt ve uzun süre temas ettiğinde, ürünlerin nikel salınımını test eden SS-EN 1811 Referans normunda belirlenenenden daha yüksektir. Bu normlar deri ile direkt ve uzun süre temas eden ürünler içindir ve bu yüzden sermet uçlara direkt olarak uygulanamaz. Nikele karşı alerjisi olan kişilerin sermet uçları ellerken koruyucu eldiven giymeleri tavsiye edilir.

Tekrar bileme:

Kuru ya da ıslak bileme yaparken deri, gözler, burun, gırtlak ve ciğerlerde hasara yol açan tehlikeli tozlar meydana çıkar. Bunlara karşı uygun güvenlik önlemlerini alın ve koruyucu ekipmanları takınız.

İmha etme:

Kullanılmış uçlar geri dönüştürülebilir. Uçlar diğer metal artıklardan (çelik, alüminyum, bakır gibi) ve sementede edilmiş karbür uçlardan ayrıştırılmalıdır. Paketleme malzemeleri tümü ile geri dönüştürülebilir.

Nikel kaplamalı uç tutucuları

Uç tutucuları aşağıdaki gereksinimlere uymak için Seco Tools'un ürün grubunda dahil değildir. Yine de Seco Tools aşağıdaki bildirgeyi deklare edebilir.

Bu ürünler RoHS (Elektronik ve elektrikli ekipmanlarda bazı Zararlı Maddelerin kullanılmasını yasaklanması), WEEE (Artık Elektrik ve Elektronik Ekipmanlar) ve ELV (Ömrünü Tamamlamış Araçlar) şartlarına uymaktadır.

Bu ürünler cıva, kurşun, krom, kadmiyum, CFC, HCFC, alev önleyici maddeler ya da sıvılar gibi maddelerin izin verilen yasal oranlardan fazlasını içermez.

Uç tutucuları Nikel ihtiva eder ve deri ile temas ettiği zaman Nikel silinir. Silinen Nikel miktarı deri ile direkt ve uzun süre temas ettiğinde, ürünlerin nikel salınımını test eden SS-EN 1811 Referans normunda belirlenenenden daha yüksek değildir.

Bu normlar deri ile direkt ve uzun süre temas eden ürünler içindir ve bu yüzden uç tutuculara direkt olarak uygulanamaz. Nikele karşı alerjisi olan kişilerin sermet uç tutucuları ellerken koruyucu eldiven giymeleri tavsiye edilir.

İmha etme:

Kullanılmış takımlar sıradan çelik atıklar (talaş ve iskarta çelik atıklar gibi) ile birlikte geri dönüşüme gönderilebilir. Paketleme malzemeleri tümü ile geri dönüştürülebilir.

Bilerek ilave edilmiş alaşım elementleri

Kalite	Dolgu karbür											Kaplama						
	W	Ti	Ta	Nb	Co	Cr	Ni	Mo	C	N	Ru	Ti	Al	C	N	O	Si	Nb
CP20	■				■				■			■			■			
CP200	■				■	■			■			■			■			
CP300	■	■		■	■				■			■			■			
CP500	■		■		■	■			■			■			■			
CP600	■				■	■			■			■			■			
C15M	■	■		■	■		■	■	■									
CF	■				■		■		■									
CM	■				■		■		■									
DP2000	■				■				■			■			■			
DP3000	■	■		■	■				■			■			■			
DS2050	■				■	■			■			■			■			
DS4050	■				■				■			■			■			■
F15M	■				■				■			■			■			
F25M	■	■		■	■				■			■			■			
F30M	■				■				■			■			■			
F40M	■				■				■			■			■			
HX	■				■				■			■			■			
H02	■				■				■			■			■			
H15	■				■				■			■			■			
H25	■				■				■			■			■			
KX	■				■				■			■			■			
MH1000	■				■				■			■			■			
MK1500	■				■				■			■			■			
MK2050	■				■				■			■			■			
MM4500	■				■				■			■			■			
MP1501	■				■				■			■			■			
MP2050	■				■				■		■	■			■			
MP2501	■				■				■			■			■			
MP3000	■				■				■			■			■			
MS2500	■				■				■			■			■			
MS2050	■				■				■			■			■			
RX1500	■				■		■	■	■			■			■			
RX2000	■				■				■			■			■			
RM2020	■				■				■			■			■			
RM2090	■				■				■			■			■			
RN2010	■				■				■			■			■			
RS2090	■				■				■			■			■			
T350M	■				■				■			■			■			
T25M	■				■				■			■			■			
TGH1050	■				■				■			■			■			
TGK1500	■				■				■			■			■			
TGP25	■	■			■				■			■			■			
TGP35	■				■				■			■			■			
TGP45	■				■				■			■			■			
TGS2050	■				■				■			■			■			
TH1000	■				■				■			■			■			
TH1500	■				■				■			■			■			
TK0501	■				■				■			■			■			
TK1501	■				■				■			■			■			
TM1501	■	■			■				■			■			■			
TM2000	■				■				■			■			■			
TM2501	■				■				■			■			■			
TM3501	■				■				■			■			■			
TM4000	■				■				■			■			■			
TP0501	■				■				■			■			■			
TP1020	■				■				■			■			■			
TP1030	■				■				■			■			■			
TP1501	■				■				■			■			■			
TP25	■				■				■			■			■			
TP200	■				■				■			■			■			
TP2501	■				■				■			■			■			
TP3501	■				■				■			■			■			
TP40	■				■				■			■			■			
TS2000	■				■				■			■			■			
TS2050	■				■				■			■			■			
TS2500	■				■				■			■			■			
TTP2050	■				■				■			■			■			
T250D	■				■				■			■			■			
T400D	■				■				■			■			■			
T100R	■				■				■			■			■			
T60M	■	■			■				■			■			■			
883	■				■				■			■			■			
890	■				■				■			■			■			

Bu katalog Seco Tools ve editörlerinin metal kesme ve ilgili konuları hakkında genel bilgiler ve uygulama talimatları verme amacıyla basılmıştır. Eğer özel uygulamalar için profesyonel servisler gerekiyorsa, bu konu hakkında yetkin profesyonellerden yardım alınmalıdır.

Bilgiler “olduğu şekliyle” sağlanmıştır;

Seco Tools ve editörleri tüm temsilcilikleri ve garantileri, açık veya zımni, ticarete elverişlilik, belirli bir amaca uygunluk, ünvan ya da ihmal durumunun olmaması dahil ancak bunlarla sınırlı olmamak üzere tüm temsilcilikleri, açık veya zımni garantileri red eder. Seco Tools ve editörleri bilginin kullanımına bağlı olarak herhangi bir direkt, indirekt, özel ya da duruma bağlı olarak ortaya çıkan zararlardan Seco Tools veya editörleri bu gibi bir zarar olasılığından bahsetmiş olsalar bile hiç bir durumda sorumlu tutulamazlar.

Burada verilen bilgiler sadece referans amaçlıdır. Gerçek fiyatlar, özellikler ve ürün tanımları satış sırasında kesinleşir ve bulunulan lokasyona göre değişebilir. Burada verilen bilgiler önceden haber vermeksizin değiştirilebilir.

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