

Ocak 2016

MTEORange 'la
Performansı Yakala

Sayfa 76 - 102



MAKINA TAKIM

www.makinatakim.com.tr



Fiyatlarımıza K.D.V. dahil değildir.
Listede bulunmayan her türlü özel ve standart kesici takım ihtiyaçlarınız için
0 (262) 744 18 80 numaralı telefonu arayabilirsiniz.
Oluşabilecek baskı hatalarından firmamız sorumlu değildir.



MAKINA TAKIM ENDÜSTRİSİ A.Ş.

OCAK 2016 FİYAT LİSTESİ



MAKINA TAKIM ENDÜSTRİSİ A.Ş.

ISO 9001:2008














ISO 9001:2008





MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

Malzeme Material	HSS Yüksek Hız Çeliği High Speed Steel	HSS-E Kobaltlı Yüksek Hız Çeliği High Speed Steel With Co	KSM Komple Sert Metal Solid Carbide			
Norm Norm	DIN 9	DIN 8094				
Tip Type	N	H	W			
Uç Açısı Point Angle						
Vida Tipi Thread Type	M	MF	UNC	UNF	BSW	BSP
Vida Profil Açısı Thread Angle						
Helis Açısı Helix Angle	R25°	R35°	R45°			
Kesme Yönü Cutting Direction	 Sağ Kesme Yönü	 Sol Kesme Yönü				
Şaft Tipi The Shank						



YÜK. PERFORMANSLI
KILAVUZLARI

YÜKSEK PERFORMANSLI KILAVUZLAR

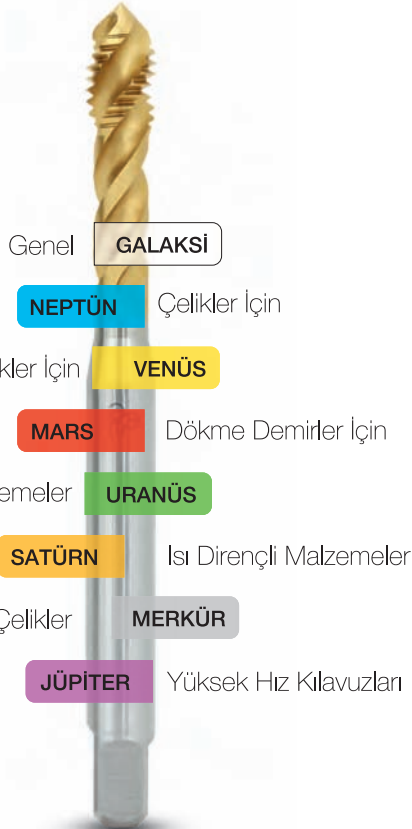


MAKİNA TAKİM ENDÜSTRİSİ A.Ş.



Yüksek Performanslı Kılavuzlar

Ürün Tanımı	Kalite	Standart	Sayfa No
GALAKSİ ÜNİVERSAL Eğik Ağız Bilemeli	HSS - E	ISO2 6H	76
GALAKSİ ÜNİVERSAL 40° Helis Kanallı	HSS - E	ISO2 6H	77
GALAKSİ ÜNİVERSAL Eğik Ağız Bilemeli	PM	ISO2 6H	78
GALAKSİ ÜNİVERSAL 40° Helis Kanallı	PM	ISO2 6H	79
NEPTÜN ÇELİK Eğik Ağız Bilemeli	HSS - E	ISO2 6H	80
NEPTÜN ÇELİK Eğik Ağız Bilemeli	PM	ISO2 6H	81
NEPTÜN ÇELİK 40° Helis Kanallı	HSS - E	ISO2 6H	82
NEPTÜN ÇELİK 40° Helis Kanallı	PM	ISO2 6H	83
NEPTÜN ÇELİK Düz Kanallı	HSS - E	6HX	84
VENÜS INOX Eğik Ağız Bilemeli	HSS - E	ISO2 6H	85
VENÜS INOX Eğik Ağız Bilemeli	PM	ISO2 6H	86
VENÜS INOX 40° Helis Kanallı	HSS - E	ISO2 6H	87
VENÜS INOX 40° Helis Kanallı	PM	ISO2 6H	88
MARS DÖKÜM Düz Kanallı	HSS - E	6HX	89
MARS DÖKÜM Düz Kanallı	PM	6HX	90
MARS DÖKÜM 15° Helis Kanallı	HSS - E	6HX	91
MARS DÖKÜM 15° Helis Kanallı	PM	6HX	92
URANÜS METAL DIŞI Düz Kanallı Bakır Alaşımli	HSS - E	6HX	93
URANÜS METAL DIŞI Eğik Ağız Bilemeli Alüminyum	HSS - E	ISO2 6H	94
URANÜS METAL DIŞI 45° Helis Kanallı Alüminyum	HSS - E	ISO2 6H	95
URANÜS METAL DIŞI 45° Helis Kanallı Bakır ve Alaşımli	HSS - E	ISO2 6H	96
SATÜRN ISI DIR.Lİ. Ti-Ni - TOOLOX 15° Sol Helis Kanallı	PM	6HX	97
SATÜRN ISI DIR.Lİ. Ti-Ni - TOOLOX 15° Sol Helis Kanallı	PM	6HX	98
MERKÜR 50/55 HRc Düz Kanallı	PM	6HX	99
JUPİTER H SPEED Eğik Ağız Bilemeli	PM	6HX	100
JUPİTER H SPEED Düz Kanallı	PM	6HX	101
JUPİTER H SPEED 15° Helis Kanallı	PM	6HX	102



Genel **GALAKSİ**

NEPTÜN Çelikler için

Paslanmaz Çelikler için **VENÜS**

MARS Dökme Demirler için

Metal Dışı Malzemeler **URANÜS**

SATÜRN Isı Dirençli Malzemeler











Sertleştirilmiş Çelikler **MERKÜR**

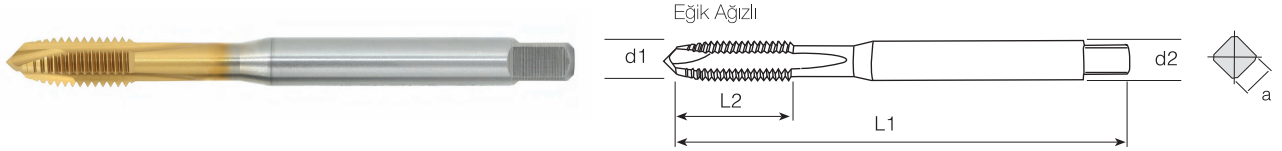
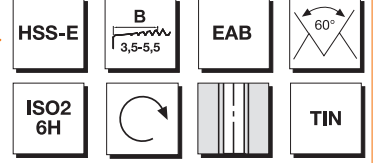
JUPİTER Yüksek Hız Kılavuzları

Malzeme Grupları Tablosu

MALZEME TABLOSU							
P	Malzemeler	Materials	DIN	Nr	Rm Mpa	HB	HRc
P	Çelik						
1.1	Yumuşak Yapı Çelikleri	Construction soft steel	St37-3	1.0123	≤ 400	≤ 119	-
1.2	Otomat çeliği Sementasyon çeliği Yapı çeliği	Free-cutting steels Constructional steel Carburizing steel	9 S 20 9 SMn 28 St33-1 St37-3 C10	1.0711 1.0715 1.0035 1.0116 1.0301	370-450 390-580 280-530 370-450 410-540	110-130 115-170 85-155 110-130 120-160	- - - - -
1.3	Karbon çelikleri Düşük alaşımlı çelik Döküm çelikleri	Carbon steel Low-alloy steel Cast steel	35S20 St52-3 95MnPb28 C 45 St-50-2 GS40Mn5	1.0726 1.0570 1.0718 1.0503 1.0050 1.1168	510-880 450-680 380-810 650-800 450-640 750-850	150-260 130-200 110-240 190-240 130-190 220-250	- - - - - -
1.4	Alaşım çeliği Soğuk iş takım çeliği	Alloy steel Cold - Work tool steel	C55 C60 41CrAlMo7 41Cr4 100Cr6	1.0535 1.0601 1.8509 1.7035 1.2067	750-900 850-1000 800-1000 880-1030	220-265 250-300 240-300 260-302	- 25-31 22-31 26-32
1.5	Temperlenmiş çelik 38 HRc'ye kadar	Tempered steel Up to 38 HRc	30CrNiMo8 34CrMo4 40NiCrMo2 36CrNiMo4 42CrMo4	1.6546 1.7220 1.6546 1.6511 1.7225	980-1180 980-1130 1000-1200 1030-1230 880-1200	290-350 290-335 295-355 335-365 260-355	30-37 30-36 31-38 32-39 26-38
1.6	Sertleştirilmiş yüksek alaşımlı çelik 44 HRc'ye kadar	High-alloyed steels hardened Up to 44 Hrc	55NiCrMoV6 S6-5-2 50CrV4	1.2713 1.3343 1.8159	800 880 1280-1450	240 260 375-430	23 26 40-45
M	Paslanmaz çelik						
2.1	Ferritik Martensitik paslanmaz çelikler	Ferritic Martensitic	X 46 Cr 13 X 12 Cr 13 X 6 Cr 17 X 17 Cr Ni 16 2	1.4034 1.4006 1.4016 1.4057	≤ 800 650-850 400-630 900-1050	≤ 235 190-250 120-185 265-310	- - - 27-33
2.2	Östenitik	Austenitic	X5CrNi18 10 X2CrNiMo17 13 2 X2CrNi18 9 X6CrNiTi18 10 X6CrNiMoTi17 12 2	1.4301 1.4404 1.4306 1.4541 1.4571	500-700 500-700 460-680 500-700 500-700	150-205 135-200 135-200 150-205 150-205	- - - - -
2.3	Östenitik-ferritik dubleks	Austenitic- ferritic duplex	X2CrNiMoN22-5-3 X2CrNiMoCuN25-6-3 X2CrNiMoN25-7-4	1.4462 1.4507 1.4410	500-1200 700-900 730-930	150-350 270 290	- - -
K	Dökme demir						
3.1	Gri dökme demir	Grey cast iron	GG15 GG20 GG25 GG30	0.6015 0.6020 0.6025 0.6030	110-150 150-200 200-250 240-270	- - - -	- - - -
3.2	Dövülebilir dökme demir	Malleable cast iron	GTS-35-10 GTS-45-06 GTS-55-04 GTW-35-04	0.8135 0.8145 0.8155 0.8035	400-800 450 550 350	120-140 150-200 165 105	- - - -
3.3	Küresel grafitli dökme demir	Spheroidal cast iron	GGG40 GGG50 GGG60 GGG70	0.7040 0.7050 0.7060 0.7070	400 500 600 700	120 150 180 205	- - - -
N	Demir dışı malzemeler - Alüminyum alaşımları						
4.1	Alaşımsız alüminyum	Unalloyed aluminium	Al99.99 Al99.8A Al99.5 Al99.0	3.0305 - - -	≥ 58 ≥ 75 ≥ 58 ≥ 90	15 19 15 23	- - - -
4.2	Alüminyum alaşımları	Aluminium alloys %1 < Si < %7	Al Cu Si Mn Al Mg 1 Al Cu Mg 2 Al Zn Mg Cu 0.5 G Al Si 5 Mg	3.1255 3.3315 3.1355 3.4345 3.2341	350 100-185 360-440 490-530 140-300	95 29-48 105-125 130-140 ≤ 90	- - - - -
4.3	Alüminyum alaşımları	Aluminium alloys Si ≥ %7	G Al Si 7 Mg G Al Si 10 Mg GD Al Si 10 Mg G Al Si 12	3.2371 3.2381 3.2382 3.2581	160-210 160-280 220-280 200-220	50-65 50-80 60-80 95	- - - -
Bakır alaşımları							
4.4	Saf bakır	Pure copper	Cu - OF	2.0040	-	-	-
4.5	Düşük alaşımlı bakır	Low-alloyed copper					
4.6	Bakır çinko alaşımları (Piring, uzun talaş)	Copper zinc alloys (Brass, long chipping)	Cu Zn 37 Cu Zn 15	2.0321 2.0240	- -	- -	- -
4.7	Bakır çinko alaşımları (Piring, kısa talaş)	Copper zinc alloys (Brass, short chipping)	Cu Zn 39 Pb 3 Cu Zn 39 Pb 2	2.0401 2.0402	250-270 250-270	70-75 70-75	- -
4.8	Bakır alüminyum alaşımları (Uzun talaş)	Copper aluminium alloys (Long chipping)	Cu Al 5 Cu Al 8 Cu Al 9 Fe 3 Cu Al 9 Mn 2	2.0916 2.0932 2.0940 2.0966	- - 450-500 500-550	- - 100-110 100-110	- - - -
4.9	Bakır tin alaşımları (Uzun talaş)	Copper tin alloys (Long chipping)	Cu Sn 10 Cu Sn 8 P	2.1050 2.1030	270 450	80 133	- -
4.10	Bakır tin alaşımları (Kısa talaş)	Copper tin alloys (Short chipping)	Cu Sn 7 Zn Pb Cu Pb 5 Sn 5 Cu Pb 10 Sn	2.1090 2.1170 2.1176	≤ 600 ≤ 600 ≤ 600	- - -	- - -
Bakır alaşımları							
4.10	Tok magnezyum alaşımları	Magnesium wrought alloys	MgAl6Zn MgMn2 MgAl8Zn	3.5612 3.5200 3.5812	- - -	- - -	- - -
Plastik malzemeler							
4.11	Duroplastikler (Kısa talaş)	Duroplastics (Short chipping)	Bakalit Novopan Resopal Moltopren	- - - -	- - - -	- - - -	- - - -
4.12	Termoplastikler (Uzun talaş)	Thermoplastics (Long chipping)	Polyamid Polystyrol Polyvinylchlorid Uteramid	0.6025 0.6030 0.6035 0.6040	- - - -	- - - -	- - - -
4.13	Fiber takviyeli plastikler	Fibre-reinforced synthetics	GFK CFK AFK	- - -	- - -	- - -	- - -
S	Özel malzemeler - Titanyum alaşımları						
5.1	Saf titanyum	Pure titanium	Ti 4	3.7064	500	150	-
5.2	Titanyum alaşımları	Titanium alloys	Ti Al 6 V 4 Ti Al 3 V 2-5 Ti 5 Al 2 - 5 Sn	3.7165 - 3.7112	890 - 790	260 - 235	- - -
Isı dirençli süper alaşımlar							
5.3	Saf nikel	Pure nickel	Ni 99-2	2.4060	500	150	-
5.4	Nikel alaşımları	Nickel alloys	Ni Cu 30 Fe Ni Cr 15 Fe Ni Cr 19 Ni 6 Mo Ni Mo 16 Cr 16 Ti	2.4360 2.4816 2.4668 2.4610	570 680 1350 900	170 200 400 265	- - 42 -
H	Sert malzemeler						
6.1	Yüksek mukavemetli çelikler	High strenght steels	Weldox1100	-	-	-	< 50
6.2	Sertleştirilmiş çelikler	Hardened steels	Hardox 500	-	-	-	< 55
6.3	Sert dökümler	Hard casting	Armox 600T HSSE	- -	- -	- -	< 60 < 65

Seçim Tablosu

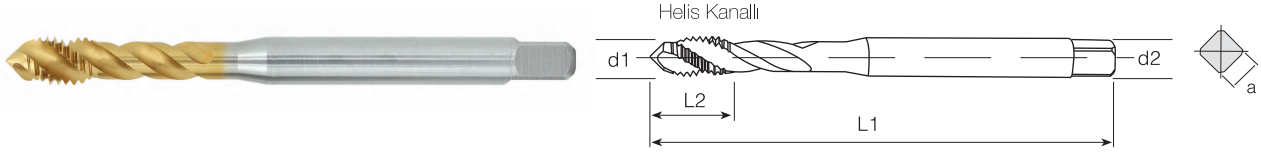
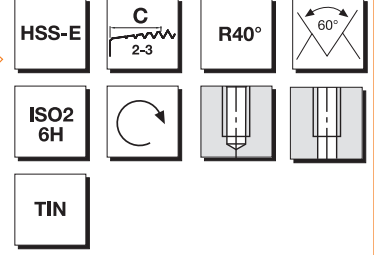
DIN 371 DIN 376	DIN 371 DIN 376	DIN 371 DIN 376	DIN 371 DIN 376	DIN 371 DIN 376	DIN 371 DIN 376	DIN 371	DIN 371 DIN 376	DIN 371 DIN 376	DIN 371 DIN 376	
URANÜS	URANÜS	URANÜS	URANÜS	SATÜRN	SATÜRN	MERKÜR	JUPİTER	JUPİTER	JUPİTER	MTEOR
HSS-E	HSS-E	R45 HSS-E	R45 HSS-E	L15 PM	R15 PM	PM	PM	PM	R15 PM	HELİS AÇISI
C	B	C	C	C	C	C	B	C	C	FORM
TIN	TIN	TIN	TIN	STAR	STAR	STAR	STAR	STAR	STAR	KAPLAMA
										DELİK TİPİ
C/2-3 E/ÖY/P	B/3.5-5.5 E/ÖY/P	C/2-3 E/ÖY/P	C/2-3 E/ÖY/P	C/2-3 E/ÖY/P	C/2-3 E/ÖY/P	C/2-3 E/ÖY	B/3.5-5.5 E/ÖY/P	C/2-3 E/ÖY/P	C/2-3 E/ÖY/P	KAVRAMA BOYU
										SOĞUTMA
		10-35	10-20				25-50		25-50	P
		10-35					25-50		25-50	1.1
		10-25					25-50		25-50	1.2
		10-20					25-50		25-50	1.3
		5-15		5-15	5-15		25-50		25-50	1.4
				5-10	5-10					1.5
										1.6
										M
		5-15					10-30		10-30	2.1
							10-30		10-30	2.2
		5-15		5-10	5-10		5-15		5-15	2.3
										K
		10-25					25-50			3.1
		10-25					25-50			3.2
							25-50	25-50	25-50	3.3
										N
	10-20		10-20				25-50			4.1
	10-20	10-25					25-50	25-50	25-50	4.2
		10-25					25-50	25-50	25-50	4.3
		5-15	10-20				25-50		25-50	4.4
		10-30					25-50			4.5
10-30								25-60		4.6
		5-15		5-20	5-20					4.7
		5-15		5-20	5-20					4.8
				5-10	5-10			25-60		4.9
										4.10
										4.11
										4.12
										4.13
										S
				5-10	5-10					5.1
				2-10	2-10					5.2
										5.3
				2-10	2-10					5.4
										H
							1-3			6.1
							1-3			6.2
										6.3
										6.4

GALAKSİ ÜNİVERSAL - Eğik Ağız Bilemeli M

DIN-371

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B1080000300	M 3	0.5	56	10	3.5	2.7	2.5	45,04
B1080000400	M 4	0.7	63	12	4.5	3.4	3.3	46,91
B1080000500	M 5	0.8	70	14	6	4.9	4.2	47,87
B1080000600	M 6	1	80	16	6	4.9	5	53,75
B1080000800	M 8	1.25	90	18	8	6.2	6.8	61,16
B1080001000	M10	1.5	100	20	10	8	8.5	73,25
B1080001200	M12	1.75	110	24	12	9	10.2	87,48

DIN-376

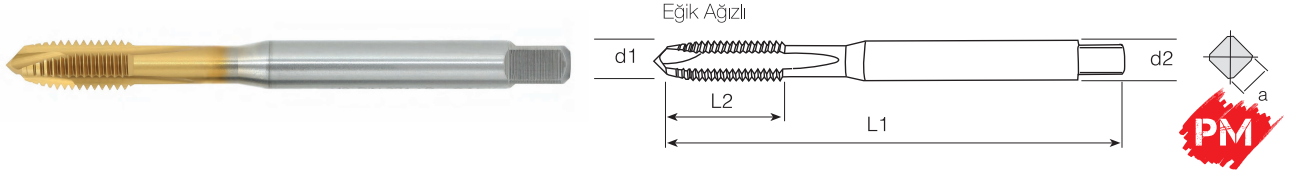
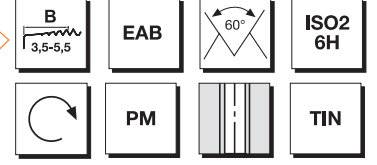
Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B10800021200	M12	1.75	110	29	9	7	10.2	94,04
B10800021400	M14	2	110	30	11	9	12	129,56
B10800021600	M16	2	110	32	12	9	14	144,98
B10800021800	M18	2.5	125	34	14	11	15.5	205,05
B10800022000	M20	2.5	140	34	16	12	17.5	219,00

GALAKSİ ÜNİVERSAL - 40° Helis Kanallı M

DIN-371

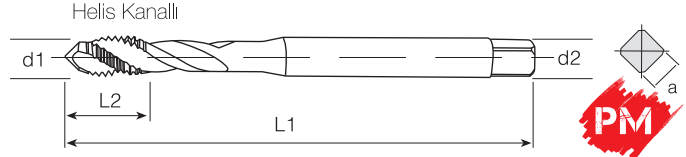
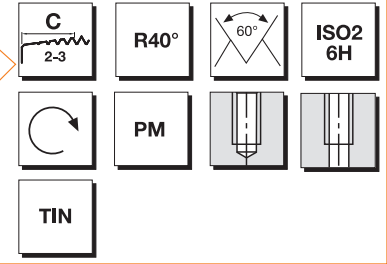
Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B10800010300	M 3	0.5	56	6	3.5	2.7	2.5	48,81
B10800010400	M 4	0.7	63	7	4.5	3.4	3.3	50,72
B10800010500	M 5	0.8	70	8	6	4.9	4.2	51,68
B10800010600	M 6	1	80	10	6	4.9	5	57,99
B10800010800	M 8	1.25	90	12	8	6.2	6.8	65,88
B10800011000	M10	1.5	100	14	10	8	8.5	78,76
B10800011200	M12	1.75	110	16	12	9	10.2	94,10

DIN-376

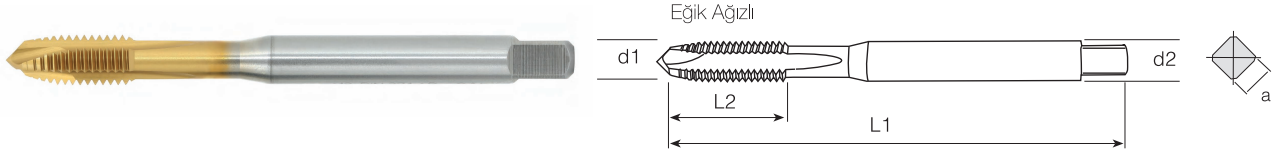
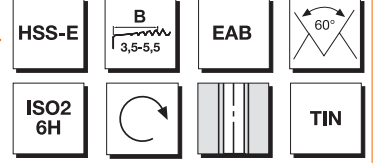
Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B10800031200	M12	1.75	110	16	9	7	10.2	101,16
B10800031400	M14	2	110	18	11	9	12	139,49
B10800031600	M16	2	110	20	12	9	14	156,34
B10800031800	M18	2.5	125	22	14	11	15.5	221,64
B10800032000	M20	2.5	140	22	16	12	17.5	235,58

GALAKSİ ÜNİVERSAL - Eğik Ağız Bilemeli MF

DIN-374

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B10820040604	M 6	0.75	80	14	4.5	3.4	5.2	97,96
B10820040804	M 8	0.75	90	22	6	4.9	7.2	108,89
B10820040805	M 8	1	90	22	6	4.9	7	105,27
B10820041005	M10	1	90	22	7	5.5	9	110,16
B10820041000	M10	1.25	90	22	7	5.5	8.8	121,13
B10820041205	M12	1	100	22	9	7	11	117,95
B10820041200	M12	1.25	100	22	9	7	10.8	124,99
B10820041206	M12	1.5	100	22	9	7	10.5	117,95
B10820041406	M14	1.5	100	22	11	9	12.5	145,84
B10820041606	M16	1.5	100	22	12	9	14.5	160,71
B10820041806	M18	1.5	110	25	14	11	16.5	192,06
B10820042006	M20	1.5	125	25	16	12	18.5	245,87

GALAKSİ ÜNİVERSAL - 40° Helis Kanallı MF

DIN-374

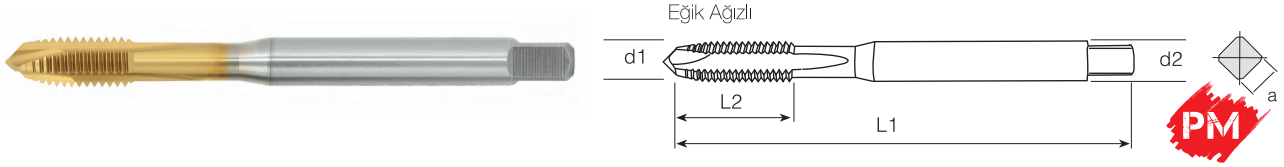
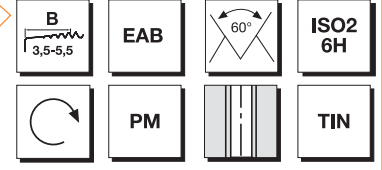
Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B10820050604	M 6	0.75	80	8	4.5	3.4	5.2	106,10
B10820050804	M 8	0.75	90	10	6	4.9	7.2	123,77
B10820050805	M 8	1	90	10	6	4.9	7	113,79
B10820051005	M10	1	90	12	7	5.5	9	119,07
B10820051000	M10	1.25	90	12	7	5.5	8.8	130,90
B10820051205	M12	1	100	14	9	7	11	127,43
B10820051200	M12	1.25	100	14	9	7	10.8	135,05
B10820051206	M12	1.5	100	14	9	7	10.5	127,43
B10820051406	M14	1.5	100	16	11	9	12.5	157,36
B10820051606	M16	1.5	100	18	12	9	14.5	173,61
B10820051806	M18	1.5	110	20	14	11	16.5	207,42
B10820052006	M20	1.5	125	22	16	12	18.5	265,44

**NEPTÜN ÇELİK - Eğik Ağız Bilemeli
M**

DIN-371

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B10801010300	M 3	0.5	56	10	3.5	2.7	2.5	47.08
B10801010400	M 4	0.7	63	12	4.5	3.4	3.3	49.02
B10801010500	M 5	0.8	70	14	6	4.9	4.2	49.99
B10801010600	M 6	1	80	16	6	4.9	5	56.04
B10801010800	M 8	1.25	90	18	8	6.2	6.8	63.74
B10801011000	M10	1.5	100	20	10	8	8.5	76.30
B10801011200	M12	1.75	110	24	12	9	10.2	91.15

DIN-376

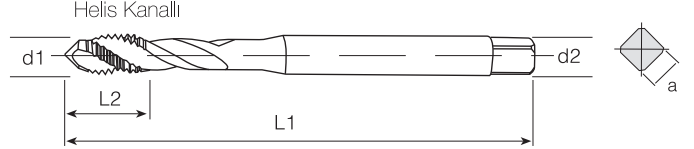
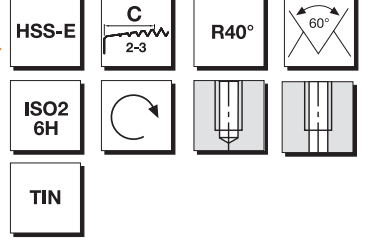
Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B10800021200	M12	1.75	110	29	9	7	10.2	98.05
B10800021400	M14	2	110	30	11	9	12	135.05
B10800021600	M16	2	110	32	12	9	14	151.22
B10800021800	M18	2.5	125	34	14	11	15.5	214.14
B10800022000	M20	2.5	140	34	16	12	17.5	228.36

**NEPTÜN ÇELİK - Eğik Ağız Bilemeli
M**

DIN-371

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B10821010300	M 3	0.5	56	10	3.5	2.7	2.5	53,52
B10821010400	M 4	0.7	63	12	4.5	3.4	3.3	55,68
B10821010500	M 5	0.8	70	14	6	4.9	4.2	56,65
B10821010600	M 6	1	80	16	6	4.9	5	63,24
B10821010800	M 8	1.25	90	18	8	6.2	6.8	71,88
B10821011000	M10	1.5	100	20	10	8	8.5	85,89
B10821011200	M12	1.75	110	24	12	9	10.2	102,75

DIN-376

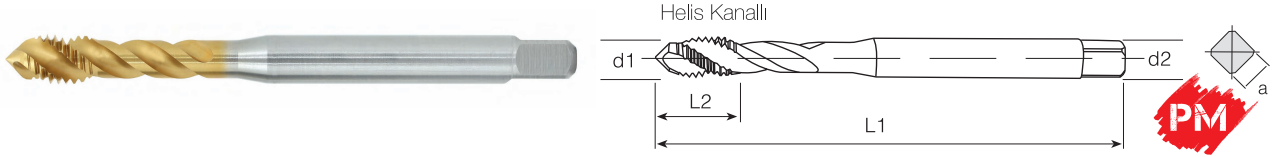
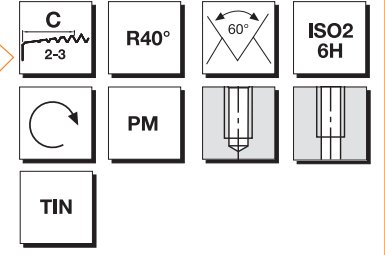
Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B10821111200	M12	1.75	110	29	9	7	10.2	110,67
B10821111400	M14	2	110	30	11	9	12	152,40
B10821111600	M16	2	110	32	12	9	14	170,89
B10821111800	M18	2.5	125	34	14	11	15.5	242,72
B10821112000	M20	2.5	140	34	16	12	17.5	257,87

**NEPTÜN ÇELİK - 40° Helis Kanallı
M**

DIN-371

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B10801020300	M 3	0.5	56	6	3.5	2.7	2.5	51,04
B10801020400	M 4	0.7	63	7	4.5	3.4	3.3	53,01
B10801020500	M 5	0.8	70	8	6	4.9	4.2	53,98
B10801020600	M 6	1	80	10	6	4.9	5	60,48
B10801020800	M 8	1.25	90	12	8	6.2	6.8	68,70
B10801021000	M10	1.5	100	14	10	8	8.5	82,08
B10801021200	M12	1.75	110	16	12	9	10.2	98,12

DIN-376

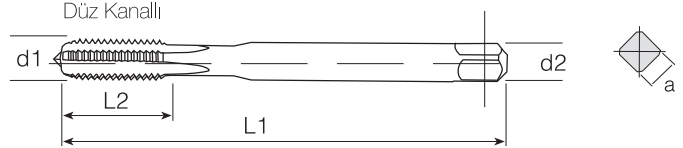
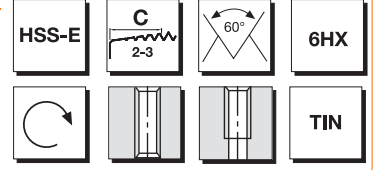
Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B10801121200	M12	1.75	110	18	9	7	10.2	105,52
B10801121400	M14	2	110	20	11	9	12	145,48
B10801121600	M16	2	110	20	12	9	14	163,16
B10801121800	M18	2.5	125	25	14	11	15.5	231,55
B10801122000	M20	2.5	140	25	16	12	17.5	245,77

**NEPTÜN ÇELİK - 40° Helis Kanallı
M**

DIN-371

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B10821020300	M 3	0.5	56	6	3.5	2.7	2.5	58,09
B10821020400	M 4	0.7	63	7	4.5	3.4	3.3	60,27
B10821020500	M 5	0.8	70	8	6	4.9	4.2	61,23
B10821020600	M 6	1	80	10	6	4.9	5	68,34
B10821020800	M 8	1.25	90	12	8	6.2	6.8	77,58
B10821021000	M10	1.5	100	14	10	8	8.5	92,53
B10821021200	M12	1.75	110	16	12	9	10.2	110,76

DIN-376

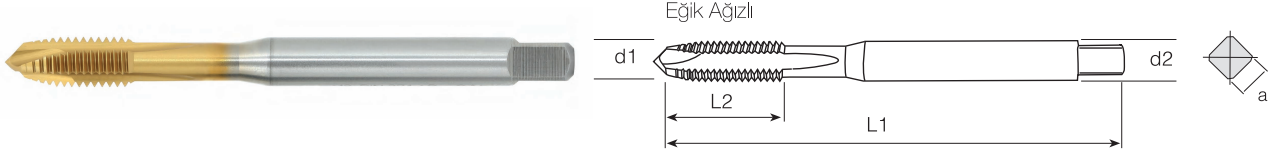
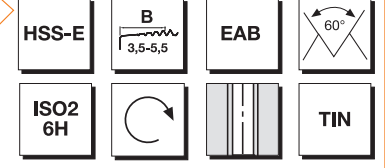
Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B10821121200	M12	1.75	110	18	9	7	10.2	119,27
B10821121400	M14	2	110	20	11	9	12	164,40
B10821121600	M16	2	110	20	12	9	14	184,60
B10821121800	M18	2.5	125	25	14	11	15.5	262,75
B10821122000	M20	2.5	140	25	16	12	17.5	277,90

**NEPTÜN ÇELİK - Düz Kanallı
M**

DIN-371

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B10801000300	M 3	0.5	56	10	3.5	2.7	2.5	49,24
B10801000400	M 4	0.7	63	12	4.5	3.4	3.3	51,24
B10801000500	M 5	0.8	70	14	6	4.9	4.2	52,21
B10801000600	M 6	1	80	16	6	4.9	5	58,43
B10801000800	M 8	1.25	90	18	8	6.2	6.8	66,45
B10801001000	M10	1.5	100	20	10	8	8.5	79,50
B10801001200	M12	1.75	110	24	12	9	10.2	95,03

DIN-376

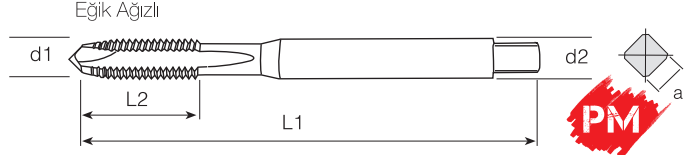
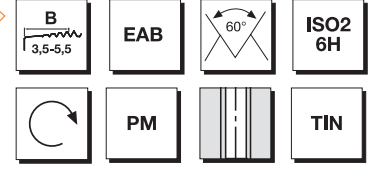
Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B10801101200	M12	1.75	110	29	9	7	10.2	102,26
B10801101400	M14	2	110	30	11	9	12	140,84
B10801101600	M16	2	110	32	12	9	14	157,78
B10801101800	M18	2.5	125	34	14	11	15.5	223,65
B10801102000	M20	2.5	140	34	16	12	17.5	238,20

VENÜS INOX - Eğik Ağız Bilemeli
M

DIN-371

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B10802000300	M 3	0.5	56	10	3.5	2.7	2.5	48,31
B10802000400	M 4	0.7	63	12	4.5	3.4	3.3	50,30
B10802000500	M 5	0.8	70	14	6	4.9	4.2	51,27
B10802000600	M 6	1	80	16	6	4.9	5	57,41
B10802000800	M 8	1.25	90	18	8	6.2	6.8	65,28
B10802001000	M10	1.5	100	20	10	8	8.5	78,13
B10802001200	M12	1.75	110	24	12	9	10.2	93,37

DIN-376

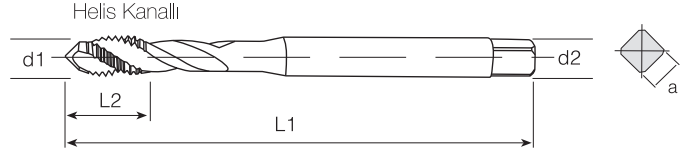
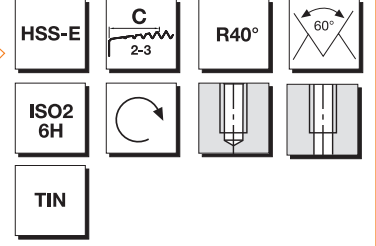
Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B10802101200	M12	1.75	110	24	9	7	10.2	100,46
B10802101400	M14	2	110	30	11	9	12	138,36
B10802101600	M16	2	110	32	12	9	14	154,96
B10802101800	M18	2.5	125	34	14	11	15.5	219,58
B10802102000	M20	2.5	140	34	16	12	17.5	233,98

VENÜS INOX - Eğik Ağız Bilemeli
M

DIN-371

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B10822000300	M 3	0.5	56	10	3.5	2.7	2.5	54,94
B10822000400	M 4	0.7	63	12	4.5	3.4	3.3	57,15
B10822000500	M 5	0.8	70	14	6	4.9	4.2	58,11
B10822000600	M 6	1	80	16	6	4.9	5	64,82
B10822000800	M 8	1.25	90	18	8	6.2	6.8	73,66
B10822001000	M10	1.5	100	20	10	8	8.5	88,00
B10822001200	M12	1.75	110	24	12	9	10.2	105,29

DIN-376

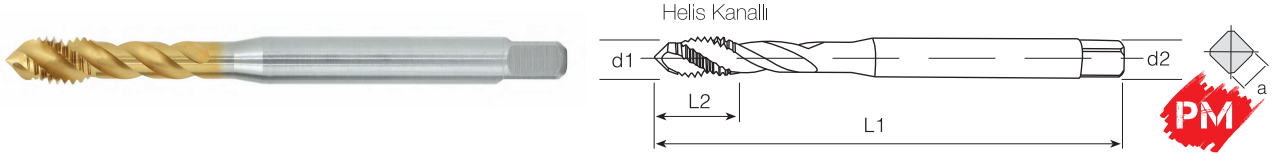
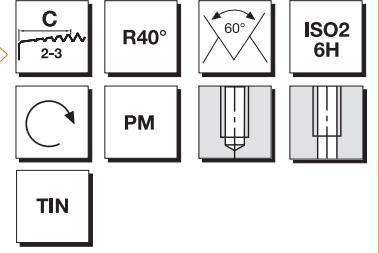
Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B10822101200	M12	1.75	110	24	9	7	10.2	113,44
B10822101400	M14	2	110	30	11	9	12	156,20
B10822101600	M16	2	110	32	12	9	14	175,19
B10822101800	M18	2.5	125	34	14	11	15.5	248,97
B10822102000	M20	2.5	140	34	16	12	17.5	264,33

VENÜS INOX 40° Helis Kanallı
M

DIN-371

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B10802010300	M 3	0.5	56	6	3.5	2.7	2.5	52,38
B10802010400	M 4	0.7	63	7	4.5	3.4	3.3	54,39
B10802010500	M 5	0.8	70	8	6	4.9	4.2	55,37
B10802010600	M 6	1	80	10	6	4.9	5	61,97
B10802010800	M 8	1.25	90	12	8	6.2	6.8	70,40
B10802011000	M10	1.5	100	14	10	8	8.5	84,06
B10802011200	M12	1.75	110	16	12	9	10.2	100,52

DIN-376

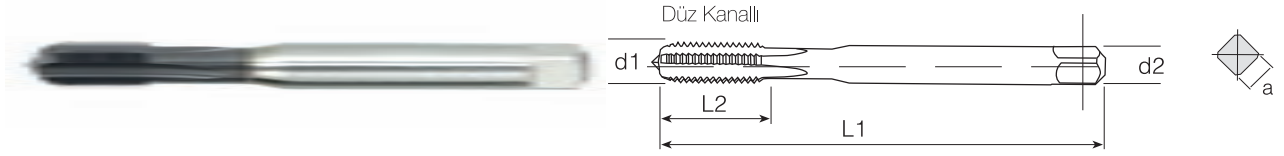
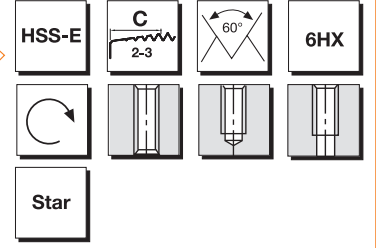
Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B10802111200	M12	1.75	110	18	9	7	10.2	108,14
B10802111400	M14	2	110	20	11	9	12	149,09
B10802111600	M16	2	110	20	12	9	14	167,23
B10802111800	M18	2.5	125	25	14	11	15.5	237,49
B10802112000	M20	2.5	140	25	16	12	17.5	251,89

VENÜS INOX 40° Helis Kanallı
M

DIN-371

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B10822010300	M 3	0.5	56	6	3.5	2.7	2.5	59,63
B10822010400	M 4	0.7	63	7	4.5	3.4	3.3	61,87
B10822010500	M 5	0.8	70	8	6	4.9	4.2	62,84
B10822010600	M 6	1	80	10	6	4.9	5	70,06
B10822010800	M 8	1.25	90	12	8	6.2	6.8	79,52
B10822011000	M10	1.5	100	14	10	8	8.5	94,81
B10822011200	M12	1.75	110	16	12	9	10.2	113,52

DIN-376

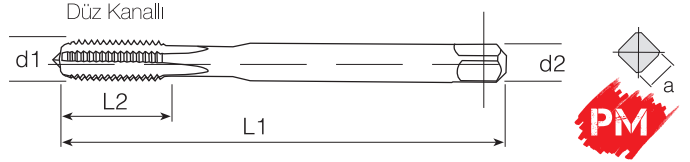
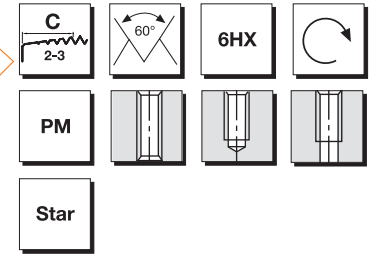
Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B10822111200	M12	1.75	110	18	9	7	10.2	122,28
B10822111400	M14	2	110	20	11	9	12	168,53
B10822111600	M16	2	110	20	12	9	14	189,30
B10822111800	M18	2.5	125	25	14	11	15.5	269,58
B10822112000	M20	2.5	140	25	16	12	17.5	284,93

**MARS DÖKÜM - Düz Kanallı
M**

DIN-371

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B13802500300	M 3	0.5	56	10	3.5	2.7	2.5	51,19
B13802500400	M 4	0.7	63	12	4.5	3.4	3.3	53,49
B13802500500	M 5	0.8	70	14	6	4.9	4.2	54,87
B13802500600	M 6	1	80	16	6	4.9	5	62,32
B13802500800	M 8	1.25	90	18	8	6.2	6.8	71,09
B13802501000	M10	1.5	100	20	10	8	8.5	85,49
B13802501200	M12	1.75	110	24	12	9	10.2	101,75

DIN-376

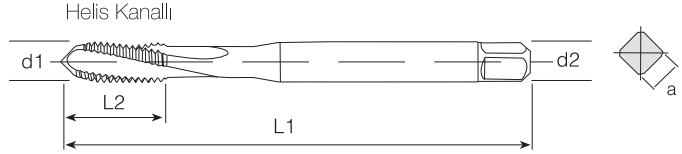
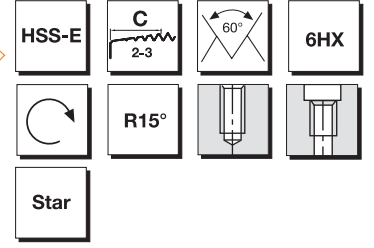
Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B13802601200	M12	1.75	110	29	9	7	10.2	108,95
B13802601400	M14	2	110	30	11	9	12	150,22
B13802601600	M16	2	110	32	12	9	14	167,62
B13802601800	M18	2.5	125	34	14	11	15.5	234,93
B13802602000	M20	2.5	140	34	16	12	17.5	253,60

**MARS DÖKÜM - Düz Kanallı
M**

DIN-371

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B13812500300	M 3	0.5	56	10	3.5	2.7	2.5	57,94
B13812500400	M 4	0.7	63	12	4.5	3.4	3.3	60,47
B13812500500	M 5	0.8	70	14	6	4.9	4.2	61,85
B13812500600	M 6	1	80	16	6	4.9	5	69,86
B13812500800	M 8	1.25	90	18	8	6.2	6.8	79,60
B13812501000	M10	1.5	100	20	10	8	8.5	95,54
B13812501200	M12	1.75	110	24	12	9	10.2	113,88

DIN-376

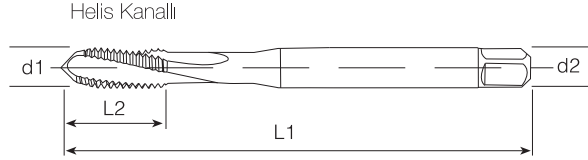
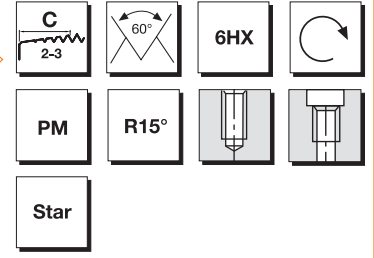
Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B13812601200	M12	1.75	110	29	9	7	10.2	122,19
B13812601400	M14	2	110	30	11	9	12	168,40
B13812601600	M16	2	110	32	12	9	14	188,21
B13812601800	M18	2.5	125	34	14	11	15.5	264,88
B13812602000	M20	2.5	140	34	16	12	17.5	284,51

**MARS DÖKÜM - 15° Helis Kanallı
M**

DIN-371

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B13802510300	M 3	0.5	56	6	3.5	2.7	2.5	56,24
B13802510400	M 4	0.7	63	7	4.5	3.4	3.3	58,59
B13802510500	M 5	0.8	70	8	6	4.9	4.2	59,97
B13802510600	M 6	1	80	10	6	4.9	5	67,98
B13802510800	M 8	1.25	90	12	8	6.2	6.8	77,40
B13802511000	M10	1.5	100	14	10	8	8.5	92,86
B13802511200	M12	1.75	110	16	12	9	10.2	110,63

DIN-376

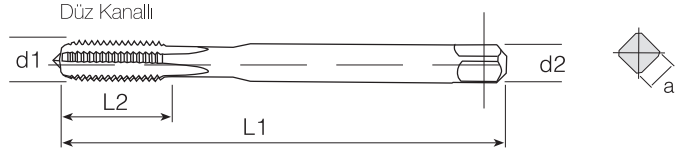
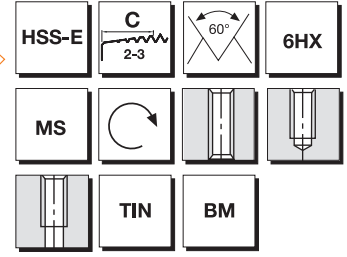
Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B13802611200	M12	1.75	110	29	9	7	10.2	116,79
B13802611400	M14	2	110	30	11	9	12	161,15
B13802611600	M16	2	110	32	12	9	14	180,10
B13802611800	M18	2.5	125	34	14	11	15.5	253,18
B13802612000	M20	2.5	140	34	16	12	17.5	271,85

**MARS DÖKÜM - 15°Helis Kanallı
M**

DIN-371

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B13812510300	M 3	0.5	56	6	3.5	2.7	2.5	63,74
B13812510400	M 4	0.7	63	7	4.5	3.4	3.3	66,34
B13812510500	M 5	0.8	70	8	6	4.9	4.2	67,71
B13812510600	M 6	1	80	10	6	4.9	5	76,36
B13812510800	M 8	1.25	90	12	8	6.2	6.8	86,88
B13812511000	M10	1.5	100	14	10	8	8.5	104,02
B13812511200	M12	1.75	110	16	12	9	10.2	124,11

DIN-376

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B13812611200	M12	1.75	110	29	9	7	10.2	131,18
B13812611400	M14	2	110	30	11	9	12	180,96
B13812611600	M16	2	110	32	12	9	14	202,58
B13812611800	M18	2.5	125	34	14	11	15.5	285,87
B13812612000	M20	2.5	140	34	16	12	17.5	305,50

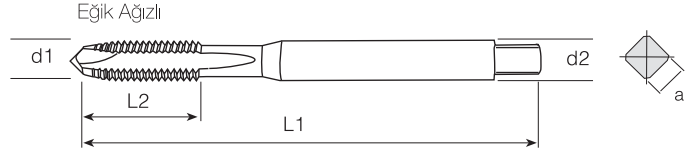
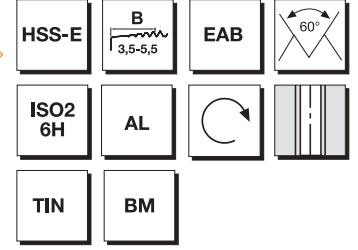
URANÜS METAL DIŞI - Düz Kanallı Bakır Alaşımı
M

DIN-371

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B20803000300	M 3	0.5	56	10	3.5	2.7	2.5	44,22
B20803000400	M 4	0.7	63	12	4.5	3.4	3.3	45,73
B20803000500	M 5	0.8	70	14	6	4.9	4.2	45,73
B20803000600	M 6	1	80	16	6	4.9	5	49,39
B20803000800	M 8	1.25	90	18	8	6.2	6.8	55,83
B20803001000	M10	1.5	100	20	10	8	8.5	65,86
B20803001200	M12	1.75	110	24	12	9	10.2	79,60

DIN-376

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B20803101200	M12	1.75	110	29	9	7	10.2	86,68
B20803101400	M14	2	110	30	11	9	12	119,03
B20803101600	M16	2	110	32	12	9	14	134,98
B20803101800	M18	2.5	125	34	14	11	15.5	196,26
B20803102000	M20	2.5	140	34	16	12	17.5	202,54

* Ürünler Buhar Menevişli Fiyatlandırılır.

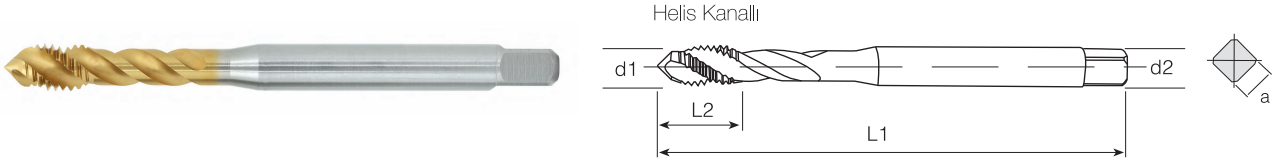
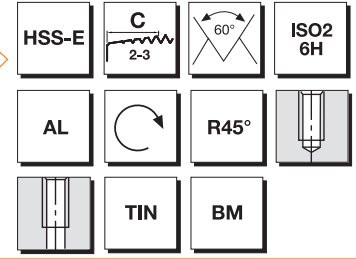
URANÜS
M
METAL DIŞI - Eğik Ağız Bilemeli
Alüminyum

DIN-371

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B20803010300	M 3	0.5	56	10	3.5	2.7	2.5	43,35
B20803010400	M 4	0.7	63	12	4.5	3.4	3.3	44,83
B20803010500	M 5	0.8	70	14	6	4.9	4.2	44,83
B20803010600	M 6	1	80	16	6	4.9	5	48,42
B20803010800	M 8	1.25	90	18	8	6.2	6.8	54,74
B20803011000	M10	1.5	100	20	10	8	8.5	64,56
B20803011200	M12	1.75	110	24	12	9	10.2	78,03

DIN-376

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B20803111200	M12	1.75	110	29	9	7	10.2	84,99
B20803111400	M14	2	110	30	11	9	12	116,70
B20803111600	M16	2	110	32	12	9	14	132,32
B20803111800	M18	2.5	125	34	14	11	15.5	192,41
B20803112000	M20	2.5	140	34	16	12	17.5	198,57

* Ürünler Buhar Menevişli Fiyatlandırılır.

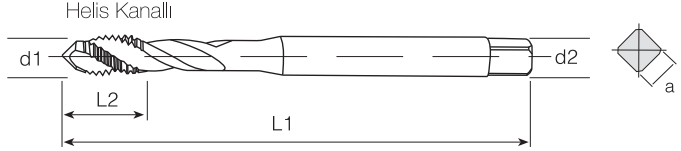
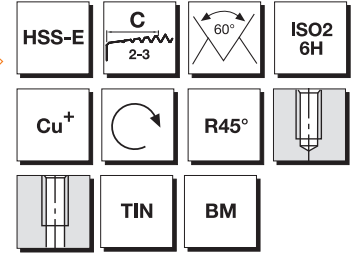
URANÜS METAL DIŞI - 45° Helis Kanallı
M Alüminyum

DIN-371

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B20803020300	M 3	0.5	56	6	3.5	2.7	2.5	47,36
B20803020400	M 4	0.7	63	7	4.5	3.4	3.3	48,85
B20803020500	M 5	0.8	70	8	6	4.9	4.2	48,85
B20803020600	M 6	1	80	10	6	4.9	5	52,91
B20803020800	M 8	1.25	90	12	8	6.2	6.8	59,74
B20803021000	M10	1.5	100	14	10	8	8.5	70,40
B20803021200	M12	1.75	110	16	12	9	10.2	85,05

DIN-376

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B20803121200	M12	1.75	110	18	9	7	10.2	92,52
B20803121400	M14	2	110	20	11	9	12	127,23
B20803121600	M16	2	110	20	12	9	14	144,37
B20803121800	M18	2.5	125	25	14	11	15.5	210,00
B20803122000	M20	2.5	140	25	16	12	17.5	216,15

* Ürünler Buhar Menevişli Fiyattandır.

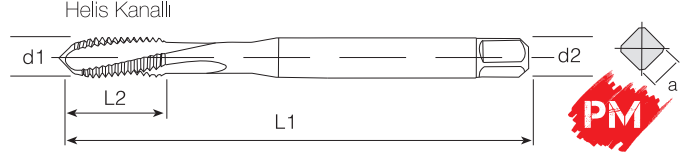
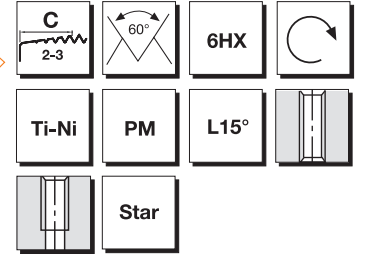
**URANÜS
M**
**METAL DIŞI - 45° Helis Kanallı
Bakır ve Alaşımları**

DIN-371

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B20803030300	M 3	0.5	56	6	3.5	2.7	2.5	47,36
B20803030400	M 4	0.7	63	7	4.5	3.4	3.3	48,85
B20803030500	M 5	0.8	70	8	6	4.9	4.2	48,85
B20803030600	M 6	1	80	10	6	4.9	5	52,91
B20803030800	M 8	1.25	90	12	8	6.2	6.8	59,74
B20803031000	M10	1.5	100	14	10	8	8.5	70,40
B20803031200	M12	1.75	110	16	12	9	10.2	85,05

DIN-376

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B20803131200	M12	1.75	110	18	9	7	10.2	92,52
B20803131400	M14	2	110	20	11	9	12	127,23
B20803131600	M16	2	110	20	12	9	14	144,37
B20803131800	M18	2.5	125	25	14	11	15.5	210,00
B20803132000	M20	2.5	140	25	16	12	17.5	216,15

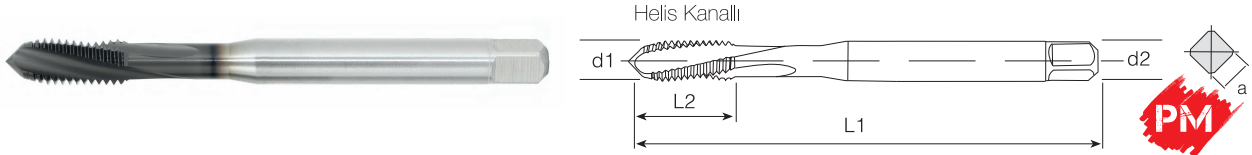
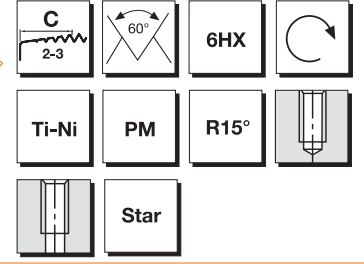
* Ürünler Buhar Menevişli Fiyatlandırılır.

**SATÜRN - ISI DİRENÇLİ Ti-Ni - TOOLOX
M 15° Sol Helis Kanallı**

DIN-371

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B13824010300	M 3	0.5	56	10	3.5	2.7	2.5	77,48
B13824010400	M 4	0.7	63	12	4.5	3.4	3.3	80,55
B13824010500	M 5	0.8	70	14	6	4.9	4.2	82,07
B13824010600	M 6	1	80	16	6	4.9	5	92,21
B13824010800	M 8	1.25	90	18	8	6.2	6.8	104,83
B13824011000	M10	1.5	100	20	10	8	8.5	125,34
B13824011200	M12	1.75	110	24	12	9	10.2	149,72

DIN-376

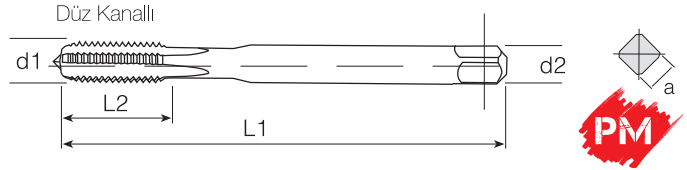
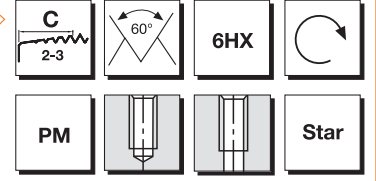
Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B13824111200	M12	1.75	110	29	9	7	10.2	160,86
B13824111400	M14	2	110	30	11	9	12	221,82
B13824111600	M16	2	110	32	12	9	14	248,68
B13824111800	M18	2.5	125	34	14	11	15.5	352,05
B13824112000	M20	2.5	140	34	16	12	17.5	374,73

**SATÜRN - ISI DİRENÇLİ Ti-Ni - TOOLOX
M 15° Helis Kanallı**

DIN-371

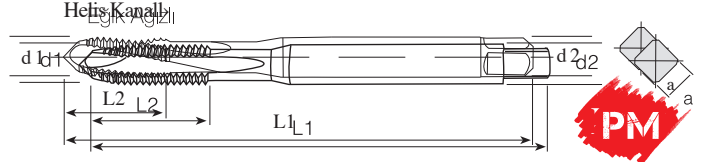
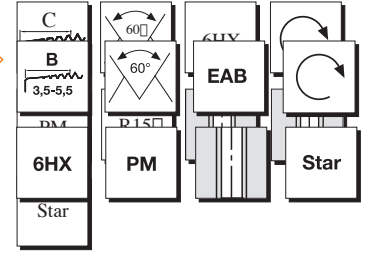
Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B13824000300	M 3	0.5	56	10	3.5	2.7	2.5	70,42
B13824000400	M 4	0.7	63	12	4.5	3.4	3.3	73,22
B13824000500	M 5	0.8	70	14	6	4.9	4.2	74,60
B13824000600	M 6	1	80	16	6	4.9	5	83,82
B13824000800	M 8	1.25	90	18	8	6.2	6.8	95,32
B13824001000	M10	1.5	100	20	10	8	8.5	113,94
B13824001200	M12	1.75	110	24	12	9	10.2	136,12

DIN-376

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B13824101200	M12	1.75	110	29	9	7	10.2	146,25
B13824101400	M14	2	110	30	11	9	12	201,66
B13824101600	M16	2	110	32	12	9	14	226,07
B13824101800	M18	2.5	125	34	14	11	15.5	320,04
B13824102000	M20	2.5	140	34	16	12	17.5	340,68

**MERKÜR - 50/55 HRc Düz Kanallı
M**

DIN-371

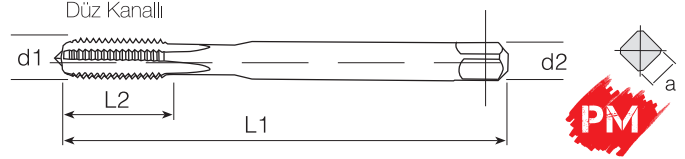
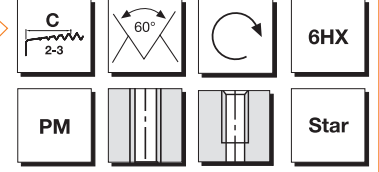
Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B13824500600	M 6	1	80	10	6	4.9	5.1	80.37
B13824500800	M 8	1.25	90	12	8	6.2	6.9	91.48
B13824501000	M10	1.5	100	14	10	8	8.6	109.54
B13824501200	M12	1.75	110	16	12	9	10.3	130.82

JUPİTER HSSPEED-1 Eğik Ağık Bilemeli M

DIN-371

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B13825010300	M 3	0.5	56	10	3.5	2.7	2.5	62,64
B13825010400	M 4	0.7	63	12	4.5	3.4	3.3	65,33
B13825010500	M 5	0.8	70	14	6	4.9	4.2	66,71
B13825010600	M 6	1	80	16	6	4.9	5	75,12
B13825010800	M 8	1.25	90	18	8	6.2	6.8	85,54
B13825011000	M10	1.5	100	20	10	8	8.5	102,53
B13825011200	M12	1.75	110	24	12	9	10.2	122,35

DIN-376

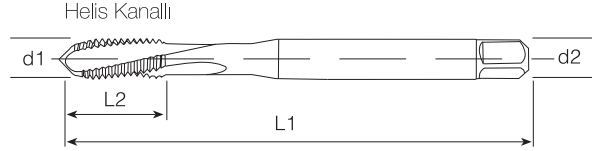
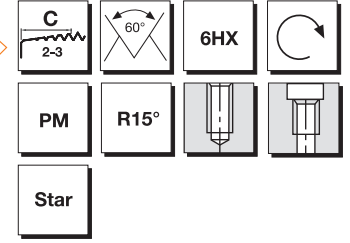
Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B13825111200	M12	1.75	110	24	9	7	10.2	131,40
B13825111400	M14	2	110	30	11	9	12	131,06
B13825111600	M16	2	110	32	12	9	14	202,57
B13825111800	M18	2.5	125	34	14	11	15.5	283,76
B13825112000	M20	2.5	140	34	16	12	17.5	306,05

**JUPİTER H SPEED - Düz Kanallı
M**

DIN-371

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B13825000300	M 3	0.5	56	6	3.5	2.7	2.5	60,95
B13825000400	M 4	0.7	63	7	4.5	3.4	3.3	63,58
B13825000500	M 5	0.8	70	8	6	4.9	4.2	64,97
B13825000600	M 6	1	80	10	6	4.9	5	73,22
B13825000800	M 8	1.25	90	12	8	6.2	6.8	83,41
B13825001000	M10	1.5	100	14	10	8	8.5	100,03
B13825001200	M12	1.75	110	16	12	9	10.2	119,30

DIN-376

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B13825101200	M12	1.75	110	29	9	7	10.2	128,08
B13825101400	M14	2	110	30	11	9	12	176,49
B13825101600	M16	2	110	32	12	9	14	197,40
B13825101800	M18	2.5	125	34	14	11	15.5	278,24
B13825102000	M20	2.5	140	34	16	12	17.5	298,30

**JUPİTER H SPEED - 15° Helis Kanallı
M**

DIN-371

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B13825020300	M 3	0.5	56	6	3.5	2.7	2.5	67,86
B13825020400	M 4	0.7	63	7	4.5	3.4	3.3	70,57
B13825020500	M 5	0.8	70	8	6	4.9	4.2	71,95
B13825020600	M 6	1	80	10	6	4.9	5	80,95
B13825020800	M 8	1.25	90	12	8	6.2	6.8	92,07
B13825021000	M10	1.5	100	14	10	8	8.5	110,12
B13825021200	M12	1.75	110	16	12	9	10.2	131,49

DIN-376

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B13825121200	M12	1.75	110	29	9	7	10.2	141,22
B13825121400	M14	2	110	30	11	9	12	194,77
B13825121600	M16	2	110	32	12	9	14	218,23
B13825121800	M18	2.5	125	34	14	11	15.5	308,65
B13825122000	M20	2.5	140	34	16	12	17.5	328,94