



Yeni Ürünlerimizi Gördünüz mü ?
Sayfa 2-3

Ocak 2017



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MAKINA TAKIM ENDÜSTRİSİ A.Ş.

**OCAK 2017
FİYAT LİSTESİ**



Yeni Ürünler

Komple Sert Metaller

Ürün Tanımı	Kalite	Standart	Sayfa No
Komple Sert Metal Helis Kanallı Rayba	KSM	MTE	12
Komple Sert Metal Düz Kanallı Rayba	KSM	MTE	13
Komple Sert Metal Parmak Freze 4 Açıklı - UZUN	KSM	MTE	25
Komple Sert Metal Parmak Freze 4 Açıklı - EKSTRA UZUN	KSM	MTE	26
Komple Sert Metal Küresel Başlı Parmak Freze 4 Açıklı - UZUN	KSM	MTE	29
Komple Sert Metal Küresel Başlı Parmak Freze 4 Açıklı-EKSTRA UZUN	KSM	MTE	30

Matkap Uçları

Ürün Tanımı	Kalite	Standart	Sayfa No
Silindirik Saplı Şaftı Düşürülmüş Kısa Matkap Ucu	HSS	DIN338	42
Silindirik Saplı Uzun Matkap Ucu - GÜMÜŞ SERİ	HSS-E	DIN340	58
Silindirik Saplı Uzun Matkap Ucu - ALTIN SERİ	HSS-E	DIN340	61
Mors Konik Saplı Matkap Ucu - HSS-E	HSS-E	DIN345	79
Punta Çürütme Matkap Ucu - KISA (Havali Tabancalar İçin) TIN KAPLI	HSS-E (%8Co)	MTENormu	91
Punta Çürütme Matkap Ucu - UZUN (El Breyzi İçin) TIN KAPLI	HSS-E (%8Co)	MTENormu	92
Punta Matkabı - FORM A - TIN KAPLAMALI	HSS	DIN333/A	93
Punta Matkabı - FORM A - HSS-E - TIN KAPLAMALI	HSS-E	DIN333/A	94
Punta Matkabı - UZUN	HSS	DIN333/ABrz	96
Punta Matkabı - UZUN - HSS-E - TIN KAPLI	HSS-E	DIN333/ABrz	97
Kademeli Matkap Ucu	HSS	MTENormu	97

Kılavuzlar

Ürün Tanımı	Kalite	Standart	Sayfa No
Yeni Nesil Somun Kılavuzu Metrik Normal Vidalı - TIN KAPLI	HSS - E	MTENormu	131
Yeni Nesil Somun Kılavuzu Metrik İnce Vidalı - TIN KAPLI	HSS - E	MTENormu	132
Yeni Nesil Somun Kılavuzu UNC Vidalı - TIN KAPLI	HSS - E	MTENormu	133
Yeni Nesil Somun Kılavuzu UNF Vidalı - TIN KAPLI	HSS - E	MTENormu	134



Yeni Ürünler

Yüksek Performanslı Kılavuzlar

Ürün Tanımı	Kalite	Standart	Sayfa No
ÜNİVERSAL Whitworth Boru Vidalı Düz Kanallı	HSS-E	ISO26H	143
ÜNİVERSAL Whitworth Boru Vidalı 40° Helis Kanallı	HSS-E	ISO26H	144
METAL DIŞI Düz Kanallı UNC Alüminyum	HSS-E	ISO26H	162
METAL DIŞI 45° Helis Kanallı UNC Alüminyum	HSS-E	ISO26H	163
METAL DIŞI Düz Kanallı UNF Alüminyum	HSS-E	ISO26H	164
METAL DIŞI 45° Helis Kanallı UNF Alüminyum	HSS-E	ISO26H	165
ÜNİVERSAL Ovalama Yağ Kanallı	HSS-E	6HX	172
ÜNİVERSAL Ovalama Yağ Kanallı	PM	6HX	173
ÜNİVERSAL Ovalama Yağ Kanalsız	HSS-E	6HX	174
ÜNİVERSAL Ovalama Yağ Kanalsız	PM	6HX	175

Havşa Frezeler

Ürün Tanımı	Kalite	Standart	Sayfa No
3 Ağızlı Silindirik Saplı Havşa Freze - 90° TIN KAPLI	HSS-E	DIN335C	197
3 Ağızlı Silindirik Saplı Havşa Freze - 60° - TIN KAPLI	HSS-E	DIN334C	198

Testereler

Ürün Tanımı	Kalite	Standart	Sayfa No
Metaller İçin El Testere Lamaları	Bi-METAL		229

Komple Sert Metaller

Ürün Tanımı	Kalite	Standart	Sayfa No
Komple Sert Metal Helis Kanallı Rayba	KSM	MTE	12
Komple Sert Metal Düz Kanallı Rayba	KSM	MTE	13
Komple Sert Metal Matkap Ucu	KSM	DIN 338	14
Komple Sert Metal Matkap Ucu	KSM	DIN 6539	15
Komple Sert Metal Matkap Ucu 3xD	KSM	MTE	16
Komple Sert Metal Matkap Ucu 5xD	KSM	MTE	19
Komple Sert Metal Parmak Freze 2 Ağızlı	KSM	DIN 6528	22
Komple Sert Metal Parmak Freze 3 Ağızlı	KSM	DIN 6528	23
Komple Sert Metal Parmak Freze 4 Ağızlı	KSM	DIN 6528	24
Komple Sert Metal Parmak Freze 4 Ağızlı - UZUN	KSM	MTE	25
Komple Sert Metal Parmak Freze 4 Ağızlı - EKSTRA UZUN	KSM	MTE	26
Komple Sert Metal Küresel Başlı Parmak Freze 2 Ağızlı	KSM	MTE	27
Komple Sert Metal Küresel Başlı Parmak Freze 4 Ağızlı	KSM	MTE	28
Komple Sert Metal Küresel Başlı Parmak Freze 4 Ağızlı - UZUN	KSM	MTE	29
Komple Sert Metal Küresel Başlı Parmak Freze 4 Ağızlı-EKSTRA UZUN	KSM	MTE	30
Komple Sert Metal Parmak Freze 4 Ağızlı - 35°/38° - Köşe Pahlı	KSM	MTE	31

Matkap Uçları

Ürün Tanımı	Kalite	Standart	Sayfa No
Silindirik Saplı Kısa Matkap Ucu - HADDELI	HSS	DIN338	34
Silindirik Saplı Kısa Matkap Ucu - TAŞLANMIŞ	HSS	DIN338	37
Silindirik Saplı Şaftlı Düşürülmüş Kısa Matkap Ucu	HSS	DIN338	42
Silindirik Saplı Kısa SOL Matkap Ucu - TAŞLANMIŞ	HSS	DIN338	43
Silindirik Saplı Kısa Matkap Ucu - GÜMÜŞ SERİ	HSS-E	DIN338	48
Silindirik Saplı Kısa Matkap Ucu - ALTIN SERİ	HSS-E	DIN338	52
Silindirik Saplı Kısa Matkap Ucu - TIN KAPLAMALI	HSS-E	DIN338	56
Silindirik Saplı Uzun Matkap Ucu - GÜMÜŞ SERİ	HSS-E	DIN340	58
Silindirik Saplı Uzun Matkap Ucu - ALTIN SERİ	HSS-E	DIN340	61
Silindirik Saplı Uzun Matkap Ucu	HSS	DIN340	64
Silindirik Saplı Uzun Matkap Ucu - HSS-E	HSS-E	DIN340	67
Silindirik Saplı Çok Uzun Matkap Ucu N Tipi	HSS	DIN 1869-1	70
Silindirik Saplı Çok Uzun Matkap Ucu - GT 100 Tipi	HSS-E	DIN 1869-1	71
Silindirik Saplı Çok Uzun Matkap Ucu N Tipi	HSS	DIN 1869-2	72
Silindirik Saplı Çok Uzun Matkap Ucu - GT 100 Tipi	HSS-E	DIN 1869-2	73
Silindirik Saplı Çok Uzun Matkap Ucu N Tipi	HSS	DIN 1869-3	74
Silindirik Saplı Çok Uzun Matkap Ucu - GT 100 Tipi	HSS-E	DIN 1869-3	75
Mors Konik Saplı Matkap Ucu	HSS	DIN345	76
Mors Konik Saplı Matkap Ucu - HSS-E	HSS-E	DIN345	79
Mors Konik Saplı Uzun Matkap Ucu	HSS	DIN341	82
Hardox Matkap Ucu	HSS -E (%8Co)	MTE Normu	84
Mors Konik Saplı Çok Uzun Matkap Ucu	HSS	DIN 1870-1	86
Mors Konik Saplı Çok Uzun Matkap Ucu	HSS	DIN 1870-2	87
Silindirik Saplı Çok Kısa Matkap Ucu	HSS	DIN 1897	88
Çift Taraflı Matkap Ucu	HSS	MTE Normu	90
Punta Çürütme Matkap Ucu - KISA (Havali Tabancalar İçin)	HSS -E (%8Co)	MTE Normu	91
Punta Çürütme Matkap Ucu - KISA (Havali Tabancalar İçin) TIN KAPLI	HSS -E (%8Co)	MTE Normu	91
Punta Çürütme Matkap Ucu - UZUN (El Breyzi İçin)	HSS -E (%8Co)	MTE Normu	92
Punta Çürütme Matkap Ucu - UZUN (El Breyzi İçin) TIN KAPLI	HSS -E (%8Co)	MTE Normu	92
Punta Matkabi - FORM A	HSS	DIN 333/ A	93
Punta Matkabi - FORM A - TIN KAPLAMALI	HSS	DIN 333/ A	93
Punta Matkabi - FORM A - HSS-E	HSS-E	DIN 333/ A	94
Punta Matkabi - FORM A - HSS-E - TIN KAPLAMALI	HSS-E	DIN 333/ A	94
Punta Matkabi - FORM B	HSS	DIN 333/ B	95
Punta Matkabi - FORM R	HSS	DIN 333/ R	95
Punta Matkabi - UZUN	HSS	DIN 333/ A Brz.	96
Punta Matkabi - UZUN - HSS-E	HSS-E	DIN 333/ A Brz.	96
Punta Matkabi - UZUN - HSS-E - TIN KAPLI	HSS-E	DIN 333/ A Brz.	97
Kademeli Matkap Ucu	HSS	MTE Normu	97



Kılavuzlar

Ürün Tanımı	Kalite	Standart	Sayfa No
Metrik Normal Vidalı 3'lü Takım Kılavuzu	HSS	DIN 352	102
Metrik Normal Vidalı 3'lü Takım Kılavuzu	HSS - E	DIN 352	103
Metrik Normal Vidalı 3'lü Takım Kılavuzu (1 Nr pilotlu)	HSS - E	DIN 352	104
Whitworth Normal Vidalı 3'lü Takım Kılavuzu	HSS	MTE Normu	105
USA Normal Vidalı 3'lü Takım Kılavuzu - UNC	HSS	MTE Normu	106
Metrik İnce Vidalı 2'li Takım Kılavuzu	HSS	DIN 2181	107
USA İnce Vidalı 3'lü Takım Kılavuzu - UNF	HSS	DIN 2181	109
Whitworth Boru Vidalı 2'li Takım Kılavuzu	HSS	DIN 5157	110
Metrik Normal Vidalı Kılavuz - Son	HSS	DIN 352	111
Metrik Normal Vidalı Kılavuz - Son	HSS - E	DIN 352	112
Whitworth Normal Vidalı Kılavuz - Son	HSS	MTE Normu	113
USA Normal Vidalı Kılavuz - UNC - Son	HSS	MTE Normu	113
Metrik İnce Vidalı Kılavuz - Son	HSS	DIN 2181	114
USA İnce Vidalı Kılavuz - UNF - Son	HSS	DIN 2181	115
Whitworth Boru Vidalı Kılavuz - Son	HSS - E	DIN 5157	115
Metrik Normal Vidalı Düz Kanallı Makina Kılavuzu	HSS - E	DIN 371/C	116
Metrik Normal Vidalı Eğik Ağız Bilemeli Makina Kılavuzu	HSS - E	DIN 371/B	117
Metrik Normal Vidalı Helis Kanallı Makina Kılavuzu	HSS - E	DIN 371/C	117
Metrik Normal Vidalı Düz Kanallı Makina Kılavuzu	HSS - E	DIN 376/C	118
Metrik Normal Vidalı Eğik Ağız Bilemeli Makina Kılavuzu	HSS - E	DIN 376/B	119
Metrik Normal Vidalı Helis Kanallı Makina Kılavuzu	HSS - E	DIN 376/C	119
Metrik İnce Vidalı Düz Kanallı Makina Kılavuzu	HSS - E	DIN 374/C	120
Metrik İnce Vidalı Eğik Ağız Bilemeli Makina Kılavuzu	HSS - E	DIN 374/B	122
Metrik İnce Vidalı Helis Kanallı Makina Kılavuzu	HSS - E	DIN 374/C	123
USA Normal Vidalı Düz Kanallı Makina Kılavuzu - UNC	HSS - E	DIN 2183/C	124
USA Normal Vidalı Helis Kanallı Makina Kılavuzu - UNC	HSS - E	DIN 2183/C	125
USA İnce Vidalı Düz Kanallı Makina Kılavuzu - UNF	HSS - E	DIN 2183/C	125
USA İnce Vidalı Helis Kanallı Makina Kılavuzu - UNF	HSS - E	DIN 2183/C	126
Whitworth Vidalı Düz Kanallı Makina Kılavuzu	HSS - E	DIN 2183/C	126
Whitworth Vidalı Helis Kanallı Makina Kılavuzu	HSS - E	DIN 2183/C	127
Whitworth Boru Vidalı Düz Kanallı Makina Kılavuzu	HSS - E	DIN 5156/C	128
Whitworth Boru Vidalı Eğik Ağız Bilemeli Makina Kılavuzu	HSS - E	DIN 5156/B	128
Whitworth Boru Vidalı Helis Kanallı Makina Kılavuzu	HSS - E	DIN 5156/C	129
1/16 NPT Konik Boru Kılavuzu	HSS	MTE Normu	130
Metrik Normal Vidalı Somun kılavuzu	HSS	DIN 357	130
Yeni Nesil Somun Kılavuzu Metrik Normal Vidalı - TIN KAPLI	HSS - E	MTE Normu	131
Yeni Nesil Somun Kılavuzu Metrik İnce Vidalı - TIN KAPLI	HSS - E	MTE Normu	132
Yeni Nesil Somun Kılavuzu UNC Vidalı - TIN KAPLI	HSS - E	MTE Normu	133
Yeni Nesil Somun Kılavuzu UNF Vidalı - TIN KAPLI	HSS - E	MTE Normu	134
Matkap - Kılavuz Kombine Takım	HSS - E	MTE Normu	135



Yüksek Performanslı Kılavuzlar

	Ürün Tanımı	Kalite	Standart	Sayfa No
GALAKSI	ÜNİVERSAL Eğik Ağız Bilemeli	HSS-E	ISO2 6H	139
GALAKSI	ÜNİVERSAL 40° Helis Kanallı	HSS-E	ISO2 6H	140
GALAKSI	ÜNİVERSAL Eğik Ağız Bilemeli	PM	ISO2 6H	141
GALAKSI	ÜNİVERSAL 40° Helis Kanallı	PM	ISO2 6H	142
GALAKSI	ÜNİVERSAL Whitworth Boru Vidalı Düz Kanallı	HSS-E	ISO2 6H	143
GALAKSI	ÜNİVERSAL Whitworth Boru Vidalı 40° Helis Kanallı	HSS-E	ISO2 6H	144
NEPTÜN	ÇELİK Eğik Ağız Bilemeli	HSS-E	ISO2 6H	145
NEPTÜN	ÇELİK Eğik Ağız Bilemeli	PM	ISO2 6H	146
NEPTÜN	ÇELİK 40° Helis Kanallı	HSS-E	ISO2 6H	147
NEPTÜN	ÇELİK 40° Helis Kanallı	PM	ISO2 6H	148
NEPTÜN	ÇELİK 40° Düz Kanallı	HSS-E	6HX	149
VENUS	INOX Eğik Ağız Bilemeli	HSS-E	ISO2 6H	150
VENUS	INOX Eğik Ağız Bilemeli	PM	ISO2 6H	151
VENUS	INOX 40° Helis Kanallı	HSS-E	ISO2 6H	152
VENUS	INOX 40° Helis Kanallı	PM	ISO2 6H	153
MARS	DÖKÜM Düz Kanallı	HSS-E	6HX	154
MARS	DÖKÜM Düz Kanallı	PM	6HX	155
MARS	DÖKÜM 15° Helis Kanallı	HSS-E	6HX	156
MARS	DÖKÜM 15° Helis Kanallı	PM	6HX	157
URANUS	METAL DIŞI Düz Kanallı Bakır Alaşımli	HSS-E	6HX	158
URANUS	METAL DIŞI Eğik Ağız Bilemeli Alüminyum	HSS-E	ISO2 6H	159
URANUS	METAL DIŞI 45° Helis Kanallı Alüminyum	HSS-E	ISO2 6H	160
URANUS	METAL DIŞI 45° Helis Kanallı Bakır Alaşımli	HSS-E	ISO2 6H	161
URANUS	METAL DIŞI Düz Kanallı UNC Alüminyum	HSS-E	ISO2 6H	162
URANUS	METAL DIŞI 45° Helis Kanallı UNC Alüminyum	HSS-E	ISO2 6H	163
URANUS	METAL DIŞI Düz Kanallı UNF Alüminyum	HSS-E	ISO2 6H	164
URANUS	METAL DIŞI 45° Helis Kanallı UNF Alüminyum	HSS-E	ISO2 6H	165
SATURN	ISI DİRENÇLİ Ti-Ni - TOOLOX 15° Helis Kanallı	PM	6HX	166
SATURN	ISI DİRENÇLİ Ti-Ni - TOOLOX 15° Sol Helis Kanallı	PM	6HX	167
MERKÜR	50/55 HRC Düz Kanallı	PM	6HX	168
JUPİTER	H SPEED Eğik Düz Kanallı	PM	6HX	169
JUPİTER	H SPEED Eğik Ağız Bilemeli	PM	6HX	170
JUPİTER	H SPEED 15° Helis Kanallı	PM	6HX	171
GALAKSI	ÜNİVERSAL Ovalama Yağ Kanallı	HSS-E	6HX	172
GALAKSI	ÜNİVERSAL Ovalama Yağ Kanallı	PM	6HX	173
GALAKSI	ÜNİVERSAL Ovalama Yağ Kanalsız	HSS-E	6HX	174
GALAKSI	ÜNİVERSAL Ovalama Yağ Kanalsız	PM	6HX	175

Paftalar / Vida Tarađı

	Ürün Tanımı	Kalite	Standart	Sayfa No
	Metrik Normal Vidalı Pafta Lokması	HSS	DIN EN 22 568	178
	Metrik İnce Vidalı Pafta Lokması	HSS	DIN EN 22 568	179
	Whitworth Normal Vidalı Pafta Lokması	HSS	DIN EN 22 568	180
	USA Normal Vidalı Pafta Lokması - UNC	HSS	DIN EN 24 231	181
	USA İnce Vidalı Pafta Lokması - UNF	HSS	DIN EN 22 568	182
	Whitworth Boru Vidalı Pafta Lokması	HSS	DIN EN 22 568	183
	NPT 1/16 Konik Vidalı Pafta Lokması	HSS	MTE Normu	184
	Virax Tipi Radyal Vida Tarađı	HSS	MTE Normu	185

Raybarlar

	Ürün Tanımı	Kalite	Standart	Sayfa No
	Silindirik Saplı El Raybası	HSS	DIN 206	187
	Silindirik Saplı Makina Raybası	HSS	DIN 212	189
	Silindirik Saplı Makina Raybası HSS-E	HSS-E	DIN 212	190
	Mors Konik saplı Makina Raybası	HSS	DIN 208	191
	1/50 Konik Pirm Deliđi Raybası	HSS	DIN 9	192
	Perçin Delik Raybası	HSS	DIN 311	193

Havşa Frezeler

Ürün Tanımı	Kalite	Standart	Sayfa No
Konik Sac Delme Matkabi	HSS	MTE Normu	195
Kademeli Sac Delme Matkabi	HSS	MTE Normu	195
Silindirik Saplı Havşa Freze - 90°	HSS	DIN 335/A	196
3 Ağızlı Silindirik Saplı Havşa Freze - 90°	HSS	DIN 335/C	196
3 Ağızlı Silindirik Saplı Havşa Freze - 90° TIN KAPLI	HSS	DIN 335/C	197
Silindirik Saplı Havşa Freze - 60°	HSS	DIN 334/A	197
3 Ağızlı Silindirik Saplı Havşa Freze - 60° - TIN KAPLI	HSS	DIN 334/C	198
Delikli Havşa Freze	HSS	MTE Normu	199
Silindirik Saplı Sabit Pilotlu Havşa Freze	HSS-E	MTE Normu	199
Magnetik Matkap - KISA	HSS	MTE Normu	200
Magnetik Matkap - UZUN	HSS	MTE Normu	201

Frezeler

Ürün Tanımı	Kalite	Standart	Sayfa No
Silindirik Saplı Parmak Freze - KISA BN	HSS - E (%8Co)	DIN 844	203
Silindirik Saplı Parmak Freze - UZUN BN	HSS - E (%8Co)	DIN 844	205
Silindirik Saplı Parmak Freze - KISA BW	HSS - E (%8Co)	DIN 844	206
Silindirik Saplı Parmak Freze - UZUN BW	HSS - E (%8Co)	DIN 844	207
Silindirik Saplı Parmak Freze - KISA BNR	HSS - E (%8Co)	DIN 844	208
Silindirik Saplı Parmak Freze - UZUN BNR	HSS - E (%8Co)	DIN 844	208
Silindirik Saplı Parmak Freze - KISA BNF	HSS - E (%8Co)	DIN 844	209
Silindirik Saplı Parmak Freze - UZUN BNF	HSS - E (%8Co)	DIN 844	209
Silindirik Saplı Delik Freze	HSS - E (%8Co)	DIN 327/D	210
Silindirik Saplı Küresel Kalıç Freze - KISA	HSS - E (%8Co)	DIN 1889/B	211
Silindirik Saplı Küresel Kalıç Freze - UZUN	HSS - E (%8Co)	DIN 1889/B	212
Silindirik Saplı Yarı Freze - ÇAPRAZ DIŞLI	HSS - E	DIN 850/D	213
Silindirik Saplı T Kanal Freze	HSS - E	DIN 851/B	214
Silindirik Saplı Konik Frezeler	HSS - E	DIN 1833/C	214
Tek Ağızlı Alüminyum Freze	HSS - E (%8Co)	MTE Normu	215
Tek Ağızlı Boyunlu Alüminyum Freze	HSS - E (%8Co)	MTE Normu	215
Mors Konik Saplı Parmak Freze - KISA BN	HSS - E	DIN 845	216
Mors Konik Saplı Parmak Freze - UZUN BN	HSS - E	DIN 845	217
Mors Konik Saplı Parmak Freze - KISA BNR	HSS - E	DIN 845	217
Mors Konik Saplı Parmak Freze - KISA BNF	HSS - E	DIN 845	218
Vals Alın Freze	HSS	DIN 1880	219
Kanal Freze - DÜZ DIŞLI	HSS	DIN 885/B	219
Kanal Freze - ÇAPRAZ DIŞLI	HSS	DIN 885/A	220
Konik Alın Freze	HSS	DIN 842	221
Prizma Freze	HSS	DIN 847	221
İç Bükey Freze	HSS	DIN 855	222
Dış Bükey Freze	HSS	DIN 856	222












Torna Kalemleri

Ürün Tanımı	Kalite	Standart	Sayfa No
Yuvarlak Kesitli Torna Kalemi	HSS - E (%10Co)	DIN 4964/A	225
Kare Kesitli Torna Kalemi	HSS - E (%10Co)	DIN 4964/B	226
Trapez Kesitli Torna Kalemi - Metrik	HSS - E (%10Co)	DIN 4964/E	227
Trapez Kesitli Torna Kalemi - Inch	HSS - E (%10Co)	DIN 4964/E	227

Testereler

Ürün Tanımı	Kalite	Sayfa No
Metaller İçin El Testere Lamaları	BI-METAL	229
Metaller İçin El Testere Lamaları	HSS	230
Metaller İçin Makina Testere Lamaları	HSS	231
Metaller İçin El Testere Lamaları	WS - KROMLU	232



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	 118°	 130°	 140°			
Vida Tipi Thread Type	M	MF	UNC	UNF	BSW	BSP
Vida Profil Açısı Thread Angle	 55°	 60°	 80°			
Helis Açısı Helix Angle	R25°	R35°	R45°			
Kesme Yönü Cutting Direction	 Sağ Kesme Yönü	 Sol Kesme Yönü				
Şaft Tipi The Shank						



KOMPLE SERT METAL



MAKINA TAKIM ENDÜSTRİSİ A.Ş.

Komple Sert Metal Helis Kanallı Rayba



Ürün kodu	d1 mm	d2 mm	L mm	L1 mm	L2 mm	Z	EURO /Adet
B12565100300	3	3	61	15	30	6	31,90
B12565100400	4	4	75	19	32	6	34,55
B12565100500	5	5	86	23	34	6	39,35
B12565100600	6	6	93	26	36	6	46,50
B12565100800	8	8	117	33	42	6	77,50
B12565101000	10	10	133	38	46	6	101,95
B12565101200	12	12	150	44	46	6	137,25
B12565101400	14	14	160	47	50	6	168,25
B12565101600	16	16	165	52	50	6	203,75
B12565101800	18	18	165	55	52	6	230,85
B12565102000	20	20	165	60	58	6	250,95



Komple Sert Metal Düz Kanallı Rayba



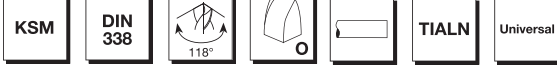
Ürün kodu	d1 mm	d2 mm	L mm	L1 mm	L2 mm	Z	EURO /Adet
B12565000300	3	3	61	15	30	6	*
B12565000400	4	4	75	19	32	6	*
B12565000500	5	5	86	23	34	6	*
B12565000600	6	6	93	26	36	6	*
B12565000800	8	8	117	33	42	6	*
B12565001000	10	10	133	38	46	6	*
B12565001200	12	12	150	44	46	6	*
B12565001400	14	14	160	47	50	6	*
B12565001600	16	16	165	52	50	6	*
B12565001800	18	18	165	55	52	6	*
B12565002000	20	20	165	60	58	6	*

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.



Komple Sert Metal Matkap Ucu

DIN 338



Ürün kodu	d1 mm	d2 mm	L1 mm	L2 mm	EURO/Adet
B12551003000	3,0	3,0	61	33	22,08
B12551003500	3,5	3,5	70	39	22,08
B12551004000	4,0	4,0	75	43	24,74
B12551004500	4,5	4,5	80	47	24,74
B12551005000	5,0	5,0	86	52	24,74
B12551005500	5,5	5,5	93	57	24,74
B12551006000	6,0	6,0	93	57	24,74
B12551006500	6,5	6,5	101	63	39,74
B12551007000	7,0	7,0	109	69	39,74
B12551007500	7,5	7,5	109	69	39,74
B12551008000	8,0	8,0	117	75	39,74
B12551008500	8,5	8,5	117	75	60,06
B12551009000	9,0	9,0	125	81	60,06
B12551009500	9,5	9,5	125	81	60,06
B12551010000	10,0	10,0	133	87	60,06
B12551011000	11,0	11,0	142	94	75,08
B12551012000	12,0	12,0	151	101	75,08
B12551013000	13,0	13,0	151	101	100,69
B12551014000	14,0	14,0	160	108	100,69
B12551015000	15,0	15,0	169	114	123,65
B12551016000	16,0	16,0	178	120	123,65
B12551017000	17,0	17,0	184	125	150,15
B12551018000	18,0	18,0	191	130	150,15
B12551019000	19,0	19,0	198	135	176,65
B12551020000	20,0	20,0	205	140	176,65



Komple Sert Metal Matkap Ucu
DIN 6539



Ürün kodu	d1 mm	d2 mm	L1 mm	L2 mm	EURO/Adet
B12551103000	3,0	3,0	46	16	9,71
B12551103500	3,5	3,5	52	20	11,04
B12551104000	4,0	4,0	55	22	11,04
B12551104500	4,5	4,5	58	24	18,10
B12551105000	5,0	5,0	62	26	18,10
B12551105500	5,5	5,5	66	28	18,10
B12551106000	6,0	6,0	66	28	18,10
B12551106500	6,5	6,5	70	31	34,45
B12551106800	6,8	6,8	74	34	34,45
B12551108000	8,0	8,0	79	37	37,09
B12551108500	8,5	8,5	79	37	50,34
B12551109000	9,0	9,0	84	40	50,34
B12551109500	9,5	9,5	84	40	50,34
B12551110000	10,0	10,0	89	43	50,34
B12551111000	11,0	11,0	95	47	71,98
B12551112000	12,0	12,0	102	51	71,98
B12551114000	14,0	14,0	107	54	88,32
B12551116000	16,0	16,0	115	58	121,88
B12551118000	18,0	18,0	123	62	163,40
B12551120000	20,0	20,0	131	66	163,40



Komple Sert Metal Matkap Ucu
3XD



Ürün kodu	d1 mm	d2 mm	L1 mm	L2 mm	UÇB mm	EURO/Adet
B12560300300	3.0	6	62	20	14	21,87
B12560300310	3.1	6	62	20	14	21,87
B12560300320	3.2	6	62	20	14	21,87
B12560300330	3.3	6	62	20	14	21,87
B12560300340	3.4	6	62	20	14	21,87
B12560300350	3.5	6	62	20	14	21,87
B12560300360	3.6	6	62	20	14	21,87
B12560300370	3.7	6	62	20	14	21,87
B12560300380	3.8	6	66	24	17	21,87
B12560300390	3.9	6	66	24	17	21,87
B12560300400	4.0	6	66	24	17	21,87
B12560300410	4.1	6	66	24	17	24,77
B12560300420	4.2	6	66	24	17	24,77
B12560300430	4.3	6	66	24	17	24,77
B12560300440	4.4	6	66	24	17	24,77
B12560300450	4.5	6	66	24	17	24,77
B12560300460	4.6	6	66	24	17	24,77
B12560300470	4.7	6	66	24	17	24,77
B12560300480	4.8	6	66	28	20	24,77
B12560300490	4.9	6	66	28	20	24,77
B12560300500	5.0	6	66	28	20	24,77
B12560300510	5.1	6	66	28	20	24,77
B12560300520	5.2	6	66	28	20	24,77
B12560300530	5.3	6	66	28	20	24,77
B12560300540	5.4	6	66	28	20	24,77
B12560300550	5.5	6	66	28	20	24,77
B12560300560	5.6	6	66	28	20	24,77
B12560300570	5.7	6	66	28	20	24,77
B12560300580	5.8	6	66	28	20	24,77
B12560300590	5.9	6	66	28	20	24,77
B12560300600	6.0	6	66	28	20	24,77
B12560300610	6.1	8	79	34	24	27,67
B12560300620	6.2	8	79	34	24	27,67
B12560300630	6.3	8	79	34	24	27,67
B12560300640	6.4	8	79	34	24	27,67
B12560300650	6.5	8	79	34	24	27,67
B12560300660	6.6	8	79	34	24	27,67
B12560300670	6.7	8	79	34	24	27,67
B12560300680	6.8	8	79	34	24	27,67



Komple Sert Metal Matkap Ucu
3XD



Ürün kodu	d1 mm	d2 mm	L1 mm	L2 mm	UÇB mm	EURO/Adet
B12560300690	6.9	8	79	34	24	27,67
B12560300700	7.0	8	79	34	24	27,67
B12560300710	7.1	8	79	41	29	27,67
B12560300720	7.2	8	79	41	29	27,67
B12560300730	7.3	8	79	41	29	27,67
B12560300740	7.4	8	79	41	29	27,67
B12560300750	7.5	8	79	41	29	27,67
B12560300760	7.6	8	79	41	29	27,67
B12560300770	7.7	8	79	41	29	27,67
B12560300780	7.8	8	79	41	29	27,67
B12560300790	7.9	8	79	41	29	27,67
B12560300800	8.0	8	79	41	29	27,67
B12560300810	8.1	10	89	47	35	38,37
B12560300820	8.2	10	89	47	35	38,37
B12560300830	8.3	10	89	47	35	38,37
B12560300840	8.4	10	89	47	35	38,37
B12560300850	8.5	10	89	47	35	38,37
B12560300860	8.6	10	89	47	35	38,37
B12560300870	8.7	10	89	47	35	38,37
B12560300880	8.8	10	89	47	35	38,37
B12560300890	8.9	10	89	47	35	38,37
B12560300900	9.0	10	89	47	35	38,37
B12560300910	9.1	10	89	47	35	38,37
B12560300920	9.2	10	89	47	35	38,37
B12560300930	9.3	10	89	47	35	38,37
B12560300940	9.4	10	89	47	35	38,37
B12560300950	9.5	10	89	47	35	38,37
B12560300960	9.6	10	89	47	35	38,37
B12560300970	9.7	10	89	47	35	38,37
B12560300980	9.8	10	89	47	35	38,37
B12560300990	9.9	10	89	47	35	38,37
B12560301000	10.0	10	89	47	35	38,37
B12560301010	10.1	12	102	55	40	55,12
B12560301020	10.2	12	102	55	40	55,12
B12560301030	10.3	12	102	55	40	55,12
B12560301040	10.4	12	102	55	40	55,12
B12560301050	10.5	12	102	55	40	55,12
B12560301060	10.6	12	102	55	40	55,12
B12560301070	10.7	12	102	55	40	55,12
B12560301080	10.8	12	102	55	40	55,12
B12560301090	10.9	12	102	55	40	55,12
B12560301100	11.0	12	102	55	40	55,12
B12560301110	11.1	12	102	55	40	55,12
B12560301120	11.2	12	102	55	40	55,12



Komple Sert Metal Matkap Ucu
3XD



Ürün kodu	d1 mm	d2 mm	L1 mm	L2 mm	UÇB mm	EURO/Adet
B12560301130	11.3	12	102	55	40	55,12
B12560301140	11.4	12	102	55	40	55,12
B12560301150	11.5	12	102	55	40	55,12
B12560301160	11.6	12	102	55	40	55,12
B12560301170	11.7	12	102	55	40	55,12
B12560301180	11.8	12	102	55	40	55,12
B12560301190	11.9	12	102	55	40	55,12
B12560301200	12.0	12	102	55	40	55,12
B12560301230	12.3	14	107	60	43	72,07
B12560301250	12.5	14	107	60	43	72,07
B12560301280	12.8	14	107	60	43	72,07
B12560301300	13.0	14	107	60	43	72,07
B12560301350	13.5	14	107	60	43	72,07
B12560301380	13.8	14	107	60	43	72,07
B12560301400	14.0	14	107	60	43	72,07
B12560301450	14.5	16	115	65	45	99,63
B12560301480	14.8	16	115	65	45	99,63
B12560301500	15.0	16	115	65	45	99,63
B12560301550	15.5	16	115	65	45	99,63
B12560301580	15.8	16	115	65	45	99,63
B12560301600	16.0	16	115	65	45	99,63
B12560301650	16.5	18	123	73	51	159,00
B12560301680	16.8	18	123	73	51	159,00
B12560301700	17.0	18	123	73	51	159,00
B12560301750	17.5	18	123	73	51	159,00
B12560301780	17.8	18	123	73	51	159,00
B12560301800	18.0	18	123	73	51	159,00
B12560301850	18.5	20	131	79	55	190,80
B12560301900	19.0	20	131	79	55	190,80
B12560301950	19.5	20	131	79	55	190,80
B12560301980	19.8	20	131	79	55	190,80
B12560302000	20.0	20	131	79	55	190,80



Komple Sert Metal Matkap Ucu
5XD



Ürün kodu	d1 mm	d2 mm	L1 mm	L2 mm	UÇB mm	EURO/Adet
B12560500300	3.0	6	28	66	23.0	37,15
B12560500310	3.1	6	28	66	23.0	37,15
B12560500320	3.2	6	28	66	23.0	37,15
B12560500330	3.3	6	28	66	23.0	37,15
B12560500340	3.4	6	28	66	23.0	37,15
B12560500350	3.5	6	28	66	23.0	37,15
B12560500360	3.6	6	28	66	23.0	37,15
B12560500370	3.7	6	28	66	23.0	37,15
B12560500380	3.8	6	36	74	29.0	37,15
B12560500390	3.9	6	36	74	29.0	37,15
B12560500400	4.0	6	36	74	29.0	37,15
B12560500410	4.1	6	36	74	29.0	37,15
B12560500420	4.2	6	36	74	29.0	37,15
B12560500430	4.3	6	36	74	29.0	37,15
B12560500440	4.4	6	36	74	29.0	37,15
B12560500450	4.5	6	36	74	29.0	37,15
B12560500460	4.6	6	36	74	29.0	37,15
B12560500470	4.7	6	36	74	29.0	37,15
B12560500480	4.8	6	44	82	35.0	37,15
B12560500490	4.9	6	44	82	35.0	37,15
B12560500500	5.0	6	44	82	35.0	37,15
B12560500510	5.1	6	44	82	35.0	37,15
B12560500520	5.2	6	44	82	35.0	37,15
B12560500530	5.3	6	44	82	35.0	37,15
B12560500540	5.4	6	44	82	35.0	37,15
B12560500550	5.5	6	44	82	35.0	37,15
B12560500560	5.6	6	44	82	35.0	37,15
B12560500570	5.7	6	44	82	35.0	37,15
B12560500580	5.8	6	44	82	35.0	37,15
B12560500590	5.9	6	44	82	35.0	37,15
B12560500600	6.0	6	44	82	35.0	37,15
B12560500610	6.1	8	53	91	43.0	37,78
B12560500620	6.2	8	53	91	43.0	37,78
B12560500630	6.3	8	53	91	43.0	37,78
B12560500640	6.4	8	53	91	43.0	37,78
B12560500650	6.5	8	53	91	43.0	37,78
B12560500660	6.6	8	53	91	43.0	37,78
B12560500670	6.7	8	53	91	43.0	37,78
B12560500680	6.8	8	53	91	43.0	37,78



Komple Sert Metal Matkap Ucu
5XD



Ürün kodu	d1 mm	d2 mm	L1 mm	L2 mm	UÇB mm	EURO/Adet
B12560500690	6.9	8	53	91	43.0	37,78
B12560500700	7.0	8	53	91	43.0	37,78
B12560500710	7.1	8	53	91	43.0	37,78
B12560500720	7.2	8	53	91	43.0	37,78
B12560500730	7.3	8	53	91	43.0	37,78
B12560500740	7.4	8	53	91	43.0	37,78
B12560500750	7.5	8	53	91	43.0	37,78
B12560500760	7.6	8	53	91	43.0	37,78
B12560500770	7.7	8	53	91	43.0	37,78
B12560500780	7.8	8	53	91	43.0	37,78
B12560500790	7.9	8	53	91	43.0	37,78
B12560500800	8.0	10	53	91	43.0	37,78
B12560500810	8.1	10	61	103	49.0	41,66
B12560500820	8.2	10	61	103	49.0	41,66
B12560500830	8.3	10	61	103	49.0	41,66
B12560500840	8.4	10	61	103	49.0	41,66
B12560500850	8.5	10	61	103	49.0	41,66
B12560500860	8.6	10	61	103	49.0	41,66
B12560500870	8.7	10	61	103	49.0	41,66
B12560500880	8.8	10	61	103	49.0	41,66
B12560500890	8.9	10	61	103	49.0	41,66
B12560500900	9.0	10	61	103	49.0	41,66
B12560500910	9.1	10	61	103	49.0	41,66
B12560500920	9.2	10	61	103	49.0	41,66
B12560500930	9.3	10	61	103	49.0	41,66
B12560500940	9.4	10	61	103	49.0	41,66
B12560500950	9.5	10	61	103	49.0	41,66
B12560500960	9.6	10	61	103	49.0	41,66
B12560500970	9.7	10	61	103	49.0	41,66
B12560500980	9.8	10	61	103	49.0	41,66
B12560500990	9.9	10	61	103	49.0	41,66
B12560501000	10.0	10	61	103	49.0	41,66
B12560501010	10.1	12	71	118	56.0	63,33
B12560501020	10.2	12	71	118	56.0	63,33
B12560501030	10.3	12	71	118	56.0	63,33
B12560501040	10.4	12	71	118	56.0	63,33
B12560501050	10.5	12	71	118	56.0	63,33
B12560501060	10.6	12	71	118	56.0	63,33
B12560501070	10.7	12	71	118	56.0	63,33
B12560501080	10.8	12	71	118	56.0	63,33
B12560501090	10.9	12	71	118	56.0	63,33
B12560501100	11.0	12	71	118	56.0	63,33
B12560501110	11.1	12	71	118	56.0	63,33
B12560501120	11.2	12	71	118	56.0	63,33



Komple Sert Metal Matkap Ucu
5XD



Ürün kodu	d1 mm	d2 mm	L1 mm	L2 mm	UÇB mm	EURO/Adet
B12560501130	11.3	12	71	118	56.0	63,33
B12560501140	11.4	12	71	118	56.0	63,33
B12560501150	11.5	12	71	118	56.0	63,33
B12560501160	11.6	12	71	118	56.0	63,33
B12560501170	11.7	12	71	118	56.0	63,33
B12560501180	11.8	12	71	118	56.0	63,33
B12560501190	11.9	12	71	118	56.0	63,33
B12560501200	12.0	12	71	118	56.0	63,33
B12560501220	12.2	14	77	124	60.0	84,54
B12560501230	12.3	14	77	124	60.0	84,54
B12560501250	12.5	14	77	124	60.0	84,54
B12560501280	12.8	14	77	124	60.0	84,54
B12560501300	13.0	14	77	124	60.0	84,54
B12560501350	13.5	14	77	124	60.0	84,54
B12560501380	13.8	14	77	124	60.0	84,54
B12560501400	14.0	14	77	124	60.0	84,54
B12560501450	14.5	16	83	133	63.0	106,59
B12560501480	14.8	16	83	133	63.0	106,59
B12560501500	15.0	16	83	133	63.0	106,59
B12560501550	15.5	16	83	133	63.0	106,59
B12560501580	15.8	16	83	133	63.0	106,59
B12560501600	16.0	16	83	133	63.0	106,59
B12560501650	16.5	18	93	143	71.0	172,50
B12560501680	16.8	18	93	143	71.0	172,50
B12560501700	17.0	18	93	143	71.0	172,50
B12560501750	17.5	18	93	143	71.0	172,50
B12560501780	17.8	18	93	143	71.0	172,50
B12560501800	18.0	18	93	143	71.0	172,50
B12560501850	18.5	20	101	153	77.0	247,69
B12560501900	19.0	20	101	153	77.0	247,69
B12560501950	19.5	20	101	153	77.0	247,69
B12560502000	20.0	20	101	153	77.0	247,69



Komple Sert Metal Parmak Freze
2 Ağızlı



Ürün kodu	d1 mm	d2 mm	L1 mm	L2 mm	z	EURO/Adet
B12553203000	3	3	50	7	2	10,60
B12553204000	4	4	50	8	2	11,48
B12553205000	5	5	50	10	2	12,37
B12553206000	6	6	57	10	2	17,66
B12553208000	8	8	63	16	2	23,85
B12553210000	10	10	72	19	2	36,21
B12553212000	12	12	83	22	2	45,92
B12553214000	14	14	83	22	2	60,06
B12553216000	16	16	92	26	2	89,20
B12553220000	20	20	104	32	2	130,72



Komple Sert Metal Parmak Freze
3 Ağızlı



Ürün kodu	d1 mm	d2 mm	L1 mm	L2 mm	z	EURO/Adet
B12553103000	3	3	50	7	3	10,60
B12553104000	4	4	50	8	3	11,48
B12553105000	5	5	50	10	3	12,37
B12553106000	6	6	57	10	3	17,66
B12553108000	8	8	63	16	3	23,85
B12553110000	10	10	72	19	3	36,21
B12553112000	12	12	83	22	3	45,92
B12553114000	14	14	83	22	3	60,06
B12553116000	16	16	92	26	3	89,20
B12553120000	20	20	104	32	3	130,72



Komple Sert Metal Parmak Freze
4 Ağızlı



Ürün kodu	d1 mm	d2 mm	L1 mm	L2 mm	z	EURO/Adet
B12553003000	3	3	50	10	4	10,60
B12553003500	3.5	3.5	50	10	4	13,78
B12553004000	4	4	50	11	4	11,48
B12553004500	4.5	4.5	50	11	4	14,84
B12553005000	5	5	50	13	4	12,37
B12553006000	6	6	57	13	4	17,66
B12553007000	7	7	60	16	4	25,79
B12553008000	8	8	63	19	4	23,85
B12553009000	9	9	67	19	4	37,28
B12553010000	10	10	72	22	4	36,21
B12553011000	11	11	83	26	4	47,30
B12553012000	12	12	83	26	4	45,92
B12553013000	13	13	83	26	4	72,07
B12553014000	14	14	83	26	4	60,06
B12553015000	15	15	92	32	4	107,04
B12553016000	16	16	92	32	4	89,20
B12553018000	18	18	92	32	4	120,26
B12553020000	20	20	104	38	4	130,72



Komple Sert Metal Parmak Freze
4 Ağızlı - Uzun



Ürün kodu	d1 mm	d2 mm	L1 mm	L2 mm	z	EURO/Adet
B12553003000L	3	3	50	15	4	25,11
B12553004000L	4	4	50	17	4	28,62
B12553005000L	5	5	50	20	4	30,01
B12553006000L	6	6	57	20	4	36,48
B12553008000L	8	8	63	30	4	43,19
B12553010000L	10	10	72	32	4	46,50
B12553012000L	12	12	83	40	4	54,04
B12553014000L	14	14	83	40	4	70,26
B12553016000L	16	16	92	50	4	88,66
B12553018000L	18	18	92	50	4	123,59
B12553020000L	20	20	104	60	4	147,74



Komple Sert Metal Parmak Freze
4 Ağızlı - Ekstra Uzun

KSM

MTE



R30°



TIALN

Universal



Ürün kodu	d1 mm	d2 mm	L1 mm	L2 mm	z	EURO/Adet
B12553003000XL	3	3	83	20	4	28,66
B12553004000XL	4	4	83	22	4	29,55
B12553005000XL	5	5	92	25	4	31,79
B12553006000XL	6	6	92	25	4	49,97
B12553008000XL	8	8	105	38	4	53,00
B12553010000XL	10	10	105	44	4	60,80
B12553012000XL	12	12	105	52	4	72,09
B12553014000XL	14	14	105	52	4	96,25
B12553016000XL	16	16	150	64	4	142,05
B12553018000XL	18	18	150	64	4	181,70
B12553020000XL	20	20	150	75	4	214,85



Komple Sert Metal Küresel Başlı Parmak Freze
2 Ağızlı



Ürün kodu	d1 mm	d2 mm	L1 mm	L2 mm	z	EURO/Adet
B12554003000	3	3	57	7	2	13,25
B12554004000	4	4	57	8	2	15,01
B12554005000	5	5	57	10	2	16,78
B12554006000	6	6	57	10	2	22,08
B12554008000	8	8	63	16	2	31,80
B12554010000	10	10	72	19	2	46,81
B12554012000	12	12	83	22	2	59,17
B12554014000	14	14	83	22	2	78,60
B12554016000	16	16	92	26	2	116,58
B12554018000	18	18	92	26	2	143,08
B12554020000	20	20	104	32	2	156,33



Komple Sert Metal Küresel Başlı Parmak Freze
4 Ağızlı



Ürün kodu	d1 mm	d2 mm	L1 mm	L2 mm	z	R	EURO/Adet
B12554103000	3	3	57	7	4	1.5	13,25
B12554104000	4	4	57	8	4	2	15,01
B12554105000	5	5	57	10	4	2.5	16,78
B12554106000	6	6	57	13	4	3	22,08
B12554108000	8	8	63	19	4	4	31,80
B12554110000	10	10	72	22	4	5	46,81
B12554112000	12	12	83	26	4	6	59,17
B12554114000	14	14	83	26	4	7	78,60
B12554116000	16	16	92	32	4	8	116,58
B12554118000	18	18	92	32	4	9	143,08
B12554120000	20	20	104	38	4	10	156,33



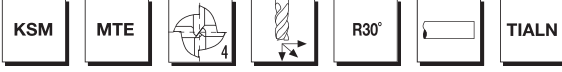
Komple Sert Metal Küresel Başlı Parmak Freze
4 Ağızlı - Uzun



Ürün kodu	d1 mm	d2 mm	L1 mm	L2 mm	z	R	EURO/Adet
B12554103000L	3	3	65	12	4	1.5	29,76
B12554104000L	4	4	65	14	4	2	35,39
B12554105000L	5	5	75	16	4	2.5	38,31
B12554106000L	6	6	75	20	4	3	41,87
B12554108000L	8	8	83	32	4	4	56,48
B12554110000L	10	10	100	40	4	5	68,75
B12554112000L	12	12	100	40	4	6	81,27
B12554114000L	14	14	110	40	4	7	110,95
B12554116000L	16	16	110	45	4	8	138,06
B12554118000L	18	18	110	45	4	9	174,51
B12554120000L	20	20	110	50	4	10	187,32



Komple Sert Metal Küresel Başlı Parmak Freze
4 Ağızlı - Ekstra Uzun



Ürün kodu	d1 mm	d2 mm	L1 mm	L2 mm	z	R	EURO/Adet
B12554103000XL	3	3	83	20	4	1.5	33,89
B12554104000XL	4	4	83	25	4	2	36,28
B12554105000XL	5	5	92	25	4	2.5	40,67
B12554106000XL	6	6	100	40	4	3	59,63
B12554108000XL	8	8	110	40	4	4	65,89
B12554110000XL	10	10	150	50	4	5	82,22
B12554112000XL	12	12	150	60	4	6	97,45
B12554114000XL	14	14	150	70	4	7	160,28
B12554116000XL	16	16	150	70	4	8	174,45
B12554118000XL	18	18	150	70	4	9	236,00
B12554120000XL	20	20	150	70	4	10	246,67



Komple Sert Metal Parmak Freze
4 Ağızlı - 35°/38° - Köşe Pahlı



Ürün kodu	d1 mm	d2 mm	L1 mm	L2 mm	z	EURO/Adet
B12557006000	6	6	57	13	4	18,75
B12557008000	8	8	69	19	4	25,64
B12557010000	10	10	72	22	4	37,48
B12557012000	12	12	79	22	4	47,33
B12557014000	14	14	83	26	4	63,12
B12557016000	16	16	92	32	4	82,85
B12557018000	18	18	92	32	4	114,41
B12557020000	20	20	104	38	4	126,25





MATKAP UÇLARI



MAKINA TAKIM ENDÜSTRİSİ A.Ş.



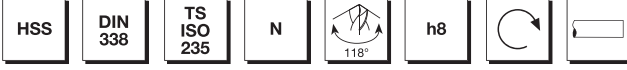
Silindirik Saplı Kısa Matkap Ucu - HADDELİ



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B0000000200	2,0	49	24	2,70
B00000010210	2,1	49	24	3,08
B00000010220	2,2	53	27	3,08
B00000010230	2,3	53	27	3,08
B00000010240	2,4	57	30	3,08
B00000000250	2,5	57	30	2,77
B00000010260	2,6	57	30	3,42
B00000010270	2,7	61	33	3,42
B00000010280	2,8	61	33	3,42
B00000010290	2,9	61	33	3,42
B00000000300	3,0	61	33	2,92
B00000010310	3,1	65	36	3,42
B00000010320	3,2	65	36	3,42
B00000010330	3,3	65	36	3,29
B00000010340	3,4	70	39	3,81
B00000000350	3,5	70	39	3,27
B00000010360	3,6	70	39	3,81
B00000010370	3,7	70	39	4,40
B00000010380	3,8	75	43	4,40
B00000010390	3,9	75	43	4,40
B00000000400	4,0	75	43	3,77
B00000010410	4,1	75	43	4,64
B00000010420	4,2	75	43	4,00
B00000010430	4,3	80	47	4,64
B00000010440	4,4	80	47	4,64
B00000000450	4,5	80	47	4,27
B00000010460	4,6	80	47	4,64
B00000010470	4,7	80	47	5,30
B00000010480	4,8	86	52	5,30
B00000010490	4,9	86	52	5,30
B00000000500	5,0	86	52	4,80
B00000010510	5,1	86	52	4,79
B00000010520	5,2	86	52	4,79
B00000010530	5,3	86	52	5,50
B00000010540	5,4	93	57	6,75
B00000000550	5,5	93	57	5,90
B00000010560	5,6	93	57	6,75
B00000010570	5,7	93	57	6,75
B00000010580	5,8	93	57	6,75



Silindirik Saplı Kısa Matkap Ucu - HADDELİ



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00000010590	5,9	93	57	6,89
B00000000600	6,0	93	57	6,29
B00000010610	6,1	101	63	8,29
B00000010620	6,2	101	63	8,29
B00000010630	6,3	101	63	8,29
B00000010640	6,4	101	63	8,68
B00000000650	6,5	101	63	7,72
B00000010660	6,6	101	63	9,22
B00000010670	6,7	101	63	9,22
B00000010680	6,8	109	69	9,60
B00000010690	6,9	109	69	11,00
B00000000700	7,0	109	69	9,14
B00000010710	7,1	109	69	11,79
B00000010720	7,2	109	69	11,79
B00000010730	7,3	109	69	11,79
B00000010740	7,4	109	69	11,79
B00000000750	7,5	109	69	10,41
B00000010760	7,6	117	75	12,95
B00000010770	7,7	117	75	12,95
B00000010780	7,8	117	75	12,95
B00000010790	7,9	117	75	12,95
B00000000800	8,0	117	75	11,27
B00000010810	8,1	117	75	14,39
B00000010820	8,2	117	75	14,39
B00000010830	8,3	117	75	14,39
B00000010840	8,4	117	75	14,39
B00000000850	8,5	117	75	13,05
B00000010860	8,6	125	81	18,49
B00000010870	8,7	125	81	18,49
B00000010880	8,8	125	81	18,49
B00000010890	8,9	125	81	18,49
B00000000900	9,0	125	81	14,55
B00000010910	9,1	125	81	18,67
B00000010920	9,2	125	81	18,67
B00000010930	9,3	125	81	19,34
B00000010940	9,4	125	81	19,34
B00000000950	9,5	125	81	16,69
B00000010960	9,6	133	87	20,55
B00000010970	9,7	133	87	20,55
B00000010980	9,8	133	87	21,91
B00000010990	9,9	133	87	21,91
B00000001000	10,0	133	87	18,00
B00000011010	10,1	133	87	25,34
B00000011020	10,2	133	87	23,39
B00000011030	10,3	133	87	30,31



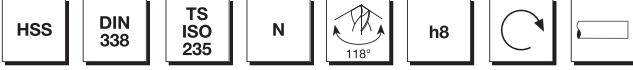
Silindirik Saplı Kısa Matkap Ucu - HADDELİ



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00000011040	10,4	133	87	30,31
B00000011050	10,5	133	87	20,86
B00000011060	10,6	133	87	31,25
B00000011070	10,7	142	94	37,25
B00000011080	10,8	142	94	32,36
B00000011090	10,9	142	94	37,93
B00000011100	11,0	142	94	24,45
B00000011110	11,1	142	94	38,79
B00000011120	11,2	142	94	39,20
B00000011130	11,3	142	94	39,20
B00000011140	11,4	142	94	39,20
B00000011150	11,5	142	94	25,77
B00000011160	11,6	142	94	39,20
B00000011170	11,7	142	94	39,20
B00000011180	11,8	142	94	39,20
B00000011190	11,9	151	101	46,13
B0000001200	12,0	151	101	28,28
B0000001210	12,1	151	101	49,24
B0000001220	12,2	151	101	49,24
B0000001230	12,3	151	101	49,24
B0000001240	12,4	151	101	49,24
B0000001250	12,5	151	101	30,60
B0000001260	12,6	151	101	50,50
B0000001270	12,7	151	101	44,61
B0000001280	12,8	151	101	49,24
B0000001290	12,9	151	101	56,33
B0000001300	13,0	151	101	32,67
B0000001310	13,1	151	101	61,55
B0000001320	13,2	151	101	61,55



Silindirik Saplı Kısa Matkap Ucu - TAŞLANMIŞ



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00007000040	0,40	20	5	14,91
B00007000050	0,50	22	6	9,91
B00007000060	0,60	24	7	10,32
B00007000070	0,70	28	9	10,32
B00007000080	0,80	30	10	10,32
B00007000090	0,90	32	11	8,46
B00007000100	1,00	34	12	3,83
B00007000110	1,10	36	14	7,20
B00007000120	1,20	38	16	7,20
B00007000130	1,30	38	16	7,20
B00007000140	1,40	40	18	7,20
B00007000150	1,50	40	18	2,73
B00007000160	1,60	43	20	5,52
B00007000170	1,70	43	20	5,52
B00007000180	1,80	46	22	5,52
B00007000190	1,90	46	22	5,52
B00007000200	2,00	49	24	2,59
B00007000210	2,10	49	24	3,39
B00007000220	2,20	53	27	3,39
B00007000230	2,30	53	27	3,39
B00007000240	2,40	57	30	3,39
B00007000250	2,50	57	30	2,64
B00007000260	2,60	57	30	3,78
B00007000270	2,70	61	33	3,78
B00007000280	2,80	61	33	3,78
B00007000290	2,90	61	33	3,78
B00007000300	3,00	61	33	2,83
B00007000310	3,10	65	36	3,78
B00007000320	3,20	65	36	3,61
B00007000330	3,30	65	36	3,47
B00007000340	3,40	70	39	4,19
B00007000350	3,50	70	39	3,27
B00007000360	3,60	70	39	4,19
B00007000370	3,70	70	39	4,87
B00007000380	3,80	75	43	4,87
B00007000390	3,90	75	43	4,87
B00007000400	4,00	75	43	3,95
B00007000410	4,10	75	43	5,11
B00007000420	4,20	75	43	4,22

H - W TİPLERİNDE, SOL KESİCİ VE TIN KAPLAMALI OLARAK ÜRETİLEBİLİR



Silindirik Saplı Kısa Matkap Ucu - TAŞLANMIŞ



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00007000430	4,30	80	47	5,11
B00007000440	4,40	80	47	5,11
B00007000450	4,50	80	47	4,48
B00007000460	4,60	80	47	5,11
B00007000470	4,70	80	47	5,81
B00007000480	4,80	86	52	5,81
B00007000490	4,90	86	52	5,81
B00007000500	5,00	86	52	5,03
B00007000510	5,10	86	52	5,26
B00007000520	5,20	86	52	5,26
B00007000530	5,30	86	52	6,03
B00007000540	5,40	93	57	7,44
B00007000550	5,50	93	57	6,20
B00007000560	5,60	93	57	7,44
B00007000570	5,70	93	57	7,44
B00007000580	5,80	93	57	7,44
B00007000590	5,90	93	57	7,58
B00007000600	6,00	93	57	6,58
B00007000610	6,10	101	63	9,14
B00007000620	6,20	101	63	9,14
B00007000630	6,30	101	63	9,14
B00007000640	6,40	101	63	9,54
B00007000650	6,50	101	63	8,10
B00007000660	6,60	101	63	10,14
B00007000670	6,70	101	63	10,14
B00007000680	6,80	109	69	10,12
B00007000690	6,90	109	69	12,10
B00007000700	7,00	109	69	9,58
B00007000710	7,10	109	69	12,97
B00007000720	7,20	109	69	12,97
B00007000730	7,30	109	69	12,97
B00007000740	7,40	109	69	12,97
B00007000750	7,50	109	69	10,91
B00007000760	7,60	117	75	14,25
B00007000770	7,70	117	75	14,25
B00007000780	7,80	117	75	14,25
B00007000790	7,90	117	75	14,25
B00007000800	8,00	117	75	11,82
B00007000810	8,10	117	75	15,84
B00007000820	8,20	117	75	15,84
B00007000830	8,30	117	75	15,84
B00007000840	8,40	117	75	15,84
B00007000850	8,50	117	75	13,66
B00007000860	8,60	125	81	20,33
B00007000870	8,70	125	81	20,33

H - W TİPLERİNDE, SOL KESİCİ VE TIN KAPLAMALI OLARAK ÜRETİLEBİLİR



Silindirik Saplı Kısa Matkap Ucu - TAŞLANMIŞ



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00007000880	8,80	125	81	20,33
B00007000890	8,90	125	81	20,33
B00007000900	9,00	125	81	15,23
B00007000910	9,10	125	81	20,49
B00007000920	9,20	125	81	20,49
B00007000930	9,30	125	81	21,29
B00007000940	9,40	125	81	21,29
B00007000950	9,50	125	81	17,53
B00007000960	9,60	133	87	22,65
B00007000970	9,70	133	87	22,65
B00007000980	9,80	133	87	24,10
B00007000990	9,90	133	87	24,10
B00007001000	10,00	133	87	18,80
B00007001010	10,10	133	87	27,61
B00007001020	10,20	133	87	24,64
B00007001030	10,30	133	87	33,22
B00007001040	10,40	133	87	33,22
B00007001050	10,50	133	87	21,84
B00007001060	10,60	133	87	34,17
B00007001070	10,70	142	94	40,98
B00007001080	10,80	142	94	35,62
B00007001090	10,90	142	94	41,45
B00007001100	11,00	142	94	25,59
B00007001110	11,10	142	94	42,66
B00007001120	11,20	142	94	42,90
B00007001130	11,30	142	94	43,07
B00007001140	11,40	142	94	43,13
B00007001150	11,50	142	94	27,00
B00007001160	11,60	142	94	43,07
B00007001170	11,70	142	94	43,07
B00007001180	11,80	142	94	43,07
B00007001190	11,90	151	101	50,74
B00007001200	12,00	151	101	29,64
B00007001210	12,10	151	101	54,18
B00007001220	12,20	151	101	54,18
B00007001230	12,30	151	101	53,70
B00007001240	12,40	151	101	53,70
B00007001250	12,50	151	101	32,10
B00007001260	12,60	151	101	55,55
B00007001270	12,70	151	101	48,82
B00007001280	12,80	151	101	53,70
B00007001290	12,90	151	101	61,70
B00007001300	13,00	151	101	34,27
B00007001310	13,10	151	101	68,99
B00007001320	13,20	151	101	68,99

H - W TİPLERİNDE, SOL KESİCİ VE TIN KAPLAMALI OLARAK ÜRETİLEBİLİR

Devamı sayfa 40' dadır



Silindirik Saplı Kısa Matkap Ucu - TAŞLANMIŞ



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00007001330	13,30	160	108	71,27
B00007001340	13,40	160	108	71,27
B00007001350	13,50	160	108	65,21
B00007001360	13,60	160	108	73,17
B00007001370	13,70	160	108	73,17
B00007001380	13,80	160	108	73,17
B00007001390	13,90	160	108	73,17
B00007001400	14,00	160	108	69,11
B00007001410	14,10	169	114	96,53
B00007001420	14,20	169	114	96,53
B00007001430	14,30	169	114	96,53
B00007001440	14,40	169	114	96,53
B00007001450	14,50	169	114	77,17
B00007001460	14,60	169	114	97,25
B00007001470	14,70	169	114	97,25
B00007001480	14,80	169	114	97,25
B00007001490	14,90	169	114	97,25
B00007001500	15,00	169	114	80,72
B00007001510	15,10	178	120	143,54
B00007001520	15,20	178	120	137,00
B00007001530	15,30	178	120	139,16
B00007001540	15,40	178	120	139,16
B00007001550	15,50	178	120	87,98
B00007001560	15,60	178	120	145,31
B00007001570	15,70	178	120	145,31
B00007001580	15,80	178	120	132,60
B00007001590	15,90	178	120	158,82
B00007001600	16,00	178	120	95,07
B00007001610	16,10	184	125	143,29
B00007001620	16,20	184	125	150,61
B00007001630	16,30	184	125	172,60
B00007001640	16,40	184	125	172,60
B00007001650	16,50	184	125	108,36
B00007001660	16,60	184	125	208,59
B00007001670	16,70	184	125	208,59
B00007001680	16,80	184	125	214,59
B00007001690	16,90	184	125	214,59
B00007001700	17,00	184	125	115,89
B00007001710	17,10	191	130	217,90
B00007001720	17,20	191	130	217,90
B00007001730	17,30	191	130	217,90
B00007001740	17,40	191	130	217,90
B00007001750	17,50	191	130	126,35
B00007001760	17,60	191	130	237,58
B00007001770	17,70	191	130	237,58
B00007001780	17,80	191	130	237,58

H - W TİPLERİNDE, SOL KESİCİ VE TIN KAPLAMALI OLARAK ÜRETİLEBİLİR

Siparişlerinize Termin Verilecektir.



Silindirik Saplı Kısa Matkap Ucu - TAŞLANMIŞ



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00007001790	17,90	191	130	237,58
B00007001800	18,00	191	130	133,95
B00007001810	18,10	198	135	251,90
B00007001820	18,20	198	135	251,90
B00007001830	18,30	198	135	251,90
B00007001840	18,40	198	135	251,90
B00007001850	18,50	198	135	146,01
B00007001860	18,60	198	135	274,55
B00007001870	18,70	198	135	274,55
B00007001880	18,80	198	135	274,55
B00007001890	18,90	198	135	274,55
B00007001900	19,00	198	135	157,70
B00007001910	19,10	205	140	296,55
B00007001920	19,20	205	140	296,55
B00007001930	19,30	205	140	296,55
B00007001940	19,40	205	140	296,55
B00007001950	19,50	205	140	181,61
B00007001960	19,60	205	140	341,53
B00007001970	19,70	205	140	341,53
B00007001980	19,80	205	140	341,53
B00007001990	19,90	205	140	341,53
B00007002000	20,00	205	140	181,61
B00002102050	20,50	213	145	204,34
B00002102100	21,00	213	145	207,05
B00002102150	21,50	221	150	228,84
B00002102200	22,00	221	150	233,39
B00002102250	22,50	229	155	257,01
B00002102300	23,00	229	155	258,83
B00002102350	23,50	229	155	263,35
B00002102400	24,00	236	160	287,88
B00002102450	24,50	236	160	305,13
B00002102500	25,00	236	160	318,75

H - W TİPLERİNDE, SOL KESİCİ VE TİN KAPLAMALI OLARAK ÜRETİLEBİLİR

Siparişlerinize Termin Verilecektir.



Silindirik Saplı Şaftı Düşürülmüş Kısa Matkap Ucu



Ürün kodu	D1 mm	d1 mm	L1 mm	L2 mm	L3 mm	TL/Adet
B20008641350	13.5	10	160	108	30	74,99
B20008641400	14	10	160	108	30	79,48
B20008641450	14.5	10	169	114	30	88,75
B20008641500	15	10	169	114	30	92,83
B20008641550	15.5	10	178	120	30	101,18
B20008641600	16	10	178	120	30	109,33
B20008641650	16.5	13	184	125	35	130,03
B20008641700	17	13	184	125	35	139,07
B20008641750	17.5	13	191	130	35	151,62
B20008641800	18	13	191	130	35	160,74
B20008641850	18.5	13	198	135	35	175,21
B20008641900	19	13	198	135	35	189,24
B20008641950	19.5	13	205	140	35	217,93
B20008642000	20	13	205	140	35	217,93
B20008642050	20.5	13	261	171	35	255,43
B20008642100	21	13	261	171	35	258,81
B20008642150	21.5	13	268	176	35	286,05
B20008642200	22	13	268	176	35	291,74
B20008642250	22.5	13	275	180	35	321,26
B20008642300	23	13	275	180	35	323,54
B20008642350	23.5	13	275	180	35	329,19
B20008642400	24	13	282	185	35	359,85
B20008642450	24.5	13	282	185	35	381,41
B20008642500	25	13	282	185	35	398,44



Silindirik Saplı Kısa SOL Matkap Ucu - TAŞLANMIŞ



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00007010100	1,00	34	12	10,03
B00007010110	1,10	36	14	*
B00007010120	1,20	38	16	*
B00007010130	1,30	38	16	*
B00007010140	1,40	40	18	*
B00007010150	1,50	40	18	7,18
B00007010160	1,60	43	20	*
B00007010170	1,70	43	20	*
B00007010180	1,80	46	22	*
B00007010190	1,90	46	22	*
B00007010200	2,00	49	24	7,08
B00007010210	2,10	49	24	*
B00007010220	2,20	53	27	*
B00007010230	2,30	53	27	*
B00007010240	2,40	57	30	*
B00007010250	2,50	57	30	7,24
B00007010260	2,60	57	30	*
B00007010270	2,70	61	33	*
B00007010280	2,80	61	33	*
B00007010290	2,90	61	33	*
B00007010300	3,00	61	33	7,70
B00007010310	3,10	65	36	*
B00007010320	3,20	65	36	9,92
B00007010330	3,30	65	36	9,54
B00007010340	3,40	70	39	*
B00007010350	3,50	70	39	8,99
B00007010360	3,60	70	39	*
B00007010370	3,70	70	39	*
B00007010380	3,80	75	43	*
B00007010390	3,90	75	43	*
B00007010400	4,00	75	43	10,81
B00007010410	4,10	75	43	*
B00007010420	4,20	75	43	11,60
B00007010430	4,30	80	47	*
B00007010440	4,40	80	47	*
B00007010450	4,50	80	47	12,28
B00007010460	4,60	80	47	*
B00007010470	4,70	80	47	*
B00007010480	4,80	86	52	*

İSTEK HALİNDE H - W TİPLERİNDE KAPLAMALI OLARAK ÜRETİLEBİLİR

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.



Silindirik Saplı Kısa SOL Matkap Ucu - TAŞLANMIŞ



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00007010490	4,90	86	52	*
B00007010500	5,00	86	52	13,79
B00007010510	5,10	86	52	*
B00007010520	5,20	86	52	*
B00007010530	5,30	86	52	*
B00007010540	5,40	93	57	*
B00007010550	5,50	93	57	16,92
B00007010560	5,60	93	57	*
B00007010570	5,70	93	57	*
B00007010580	5,80	93	57	*
B00007010590	5,90	93	57	*
B00007010600	6,00	93	57	18,09
B00007010610	6,10	101	63	*
B00007010620	6,20	101	63	*
B00007010630	6,30	101	63	*
B00007010640	6,40	101	63	*
B00007010650	6,50	101	63	22,18
B00007010660	6,60	101	63	*
B00007010670	6,70	101	63	*
B00007010680	6,80	109	69	28,09
B00007010690	6,90	109	69	*
B00007010700	7,00	109	69	26,56
B00007010710	7,10	109	69	*
B00007010720	7,20	109	69	*
B00007010730	7,30	109	69	*
B00007010740	7,40	109	69	*
B00007010750	7,50	109	69	30,07
B00007010760	7,60	117	75	*
B00007010770	7,70	117	75	*
B00007010780	7,80	117	75	*
B00007010790	7,90	117	75	*
B00007010800	8,00	117	75	32,73
B00007010810	8,10	117	75	*
B00007010820	8,20	117	75	*
B00007010830	8,30	117	75	*
B00007010840	8,40	117	75	*
B00007010850	8,50	117	75	37,58
B00007010860	8,60	125	81	*
B00007010870	8,70	125	81	*
B00007010880	8,80	125	81	*
B00007010890	8,90	125	81	*
B00007010900	9,00	125	81	41,98
B00007010910	9,10	125	81	*
B00007010920	9,20	125	81	*
B00007010930	9,30	125	81	*

İSTEK HALİNDE H - W TIPLERİNDE KAPLAMALI OLARAK ÜRETİLEBİLİR

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.



Silindirik Saplı Kısa SOL Matkap Ucu - TAŞLANMIŞ



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00007010940	9,40	125	81	*
B00007010950	9,50	125	81	47,93
B00007010960	9,60	133	87	*
B00007010970	9,70	133	87	*
B00007010980	9,80	133	87	*
B00007010990	9,90	133	87	*
B00007011000	10,00	133	87	51,53
B00007011010	10,10	133	87	*
B00007011020	10,20	133	87	67,47
B00007011030	10,30	133	87	*
B00007011040	10,40	133	87	*
B00007011050	10,50	133	87	59,98
B00007011060	10,60	133	87	*
B00007011070	10,70	142	94	*
B00007011080	10,80	142	94	*
B00007011090	10,90	142	94	*
B00007011100	11,00	142	94	70,00
B00007011110	11,10	142	94	*
B00007011120	11,20	142	94	*
B00007011130	11,30	142	94	*
B00007011140	11,40	142	94	*
B00007011150	11,50	142	94	73,76
B00007011160	11,60	142	94	*
B00007011170	11,70	142	94	*
B00007011180	11,80	142	94	*
B00007011190	11,90	151	101	*
B00007011200	12,00	151	101	81,44
B00007011210	12,10	151	101	*
B00007011220	12,20	151	101	*
B00007011230	12,30	151	101	*
B00007011240	12,40	151	101	*
B00007011250	12,50	151	101	87,85
B00007011260	12,60	151	101	*
B00007011270	12,70	151	101	*
B00007011280	12,80	151	101	*
B00007011290	12,90	151	101	*
B00007011300	13,00	151	101	93,65
B00007011310	13,10	151	101	*
B00007011320	13,20	151	101	*
B00007011330	13,30	160	108	*
B00007011340	13,40	160	108	*
B00007011350	13,50	160	108	*
B00007011360	13,60	160	108	*
B00007011370	13,70	160	108	*
B00007011380	13,80	160	108	*

İSTEK HALİNDE H - W TİPLERİNDE KAPLAMALI OLARAK ÜRETİLEBİLİR

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.

Silindirik Saplı Kısa SOL Matkap Ucu - TAŞLANMIŞ


Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00007011390	13,90	160	108	*
B00007011400	14,00	160	108	*
B00007011410	14,10	169	114	*
B00007011420	14,20	169	114	*
B00007011430	14,30	169	114	*
B00007011440	14,40	169	114	*
B00007011450	14,50	169	114	*
B00007011460	14,60	169	114	*
B00007011470	14,70	169	114	*
B00007011480	14,80	169	114	*
B00007011490	14,90	169	114	*
B00007011500	15,00	169	114	*
B00007011510	15,10	178	120	*
B00007011520	15,20	178	120	*
B00007011530	15,30	178	120	*
B00007011540	15,40	178	120	*
B00007011550	15,50	178	120	*
B00007011560	15,60	178	120	*
B00007011570	15,70	178	120	*
B00007011580	15,80	178	120	*
B00007011590	15,90	178	120	*
B00007011600	16,00	178	120	*
B00007011610	16,10	184	125	*
B00007011620	16,20	184	125	*
B00007011630	16,30	184	125	*
B00007011640	16,40	184	125	*
B00007011650	16,50	184	125	*
B00007011660	16,60	184	125	*
B00007011670	16,70	184	125	*
B00007011680	16,80	184	125	*
B00007011690	16,90	184	125	*
B00007011700	17,00	184	125	*
B00007011710	17,10	191	130	*
B00007011720	17,20	191	130	*
B00007011730	17,30	191	130	*
B00007011740	17,40	191	130	*
B00007011750	17,50	191	130	*
B00007011760	17,60	191	130	*
B00007011770	17,70	191	130	*
B00007011780	17,80	191	130	*
B00007011790	17,90	191	130	*
B00007011800	18,00	191	130	*
B00007011810	18,10	198	135	*
B00007011820	18,20	198	135	*

İSTEK HALİNDE H - W TİPLERİNDE KAPLAMALI OLARAK ÜRETİLEBİLİR

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.

Silindirik Saplı Kısa SOL Matkap Ucu - TAŞLANMIŞ



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00007011830	18,30	198	135	*
B00007011840	18,40	198	135	*
B00007011850	18,50	198	135	*
B00007011860	18,60	198	135	*
B00007011870	18,70	198	135	*
B00007011880	18,80	198	135	*
B00007011890	18,90	198	135	*
B00007011900	19,00	198	135	*
B00007011910	19,10	205	140	*
B00007011920	19,20	205	140	*
B00007011930	19,30	205	140	*
B00007011940	19,40	205	140	*
B00007011950	19,50	205	140	*
B00007011960	19,60	205	140	*
B00007011970	19,70	205	140	*
B00007011980	19,80	205	140	*
B00007011990	19,90	205	140	*
B00007012000	20,00	205	140	*

İSTEK HALİNDE H - W TİPLERİNDE KAPLAMALI OLARAK ÜRETİLEBİLİR

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.



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h8



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00005010200	2,00	49	24	3,75
B00005010210	2,10	49	24	4,89
B00005010220	2,20	53	27	4,89
B00005010230	2,30	53	27	4,89
B00005010240	2,40	57	30	4,89
B00005010250	2,50	57	30	3,83
B00005010260	2,60	57	30	5,38
B00005010270	2,70	61	33	5,38
B00005010280	2,80	61	33	5,39
B00005010290	2,90	61	33	5,39
B00005010300	3,00	61	33	4,04
B00005010310	3,10	65	36	5,39
B00005010320	3,20	65	36	5,39
B00005010330	3,30	65	36	5,19
B00005010340	3,40	70	39	6,05
B00005010350	3,50	70	39	4,74
B00005010360	3,60	70	39	6,96
B00005010370	3,70	70	39	6,96
B00005010380	3,80	75	43	6,96
B00005010390	3,90	75	43	6,92
B00005010400	4,00	75	43	5,68
B00005010410	4,10	75	43	7,35
B00005010420	4,20	75	43	6,31
B00005010430	4,30	80	47	7,35
B00005010440	4,40	80	47	7,35
B00005010450	4,50	80	47	6,45
B00005010460	4,60	80	47	7,35
B00005010470	4,70	80	47	7,35
B00005010480	4,80	86	52	8,41
B00005010490	4,90	86	52	8,35
B00005010500	5,00	86	52	7,23
B00005010510	5,10	86	52	7,53
B00005010520	5,20	86	52	7,53
B00005010530	5,30	86	52	10,70
B00005010540	5,40	93	57	10,70
B00005010550	5,50	93	57	8,89
B00005010560	5,60	93	57	11,87

İSTEK HALİNDE H - W TİPLERİNDE KAPLAMALI OLARAK ÜRETİLEBİLİR

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ÖZEL



h8



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00005010570	5,70	93	57	11,87
B00005010580	5,80	93	57	11,87
B00005010590	5,90	93	57	11,87
B00005010600	6,00	93	57	9,50
B00005010610	6,10	101	63	13,17
B00005010620	6,20	101	63	13,17
B00005010630	6,30	101	63	13,17
B00005010640	6,40	101	63	13,17
B00005010650	6,50	101	63	11,60
B00005010660	6,60	101	63	14,57
B00005010670	6,70	101	63	15,18
B00005010680	6,80	109	69	15,19
B00005010690	6,90	109	69	15,18
B00005010700	7,00	109	69	13,84
B00005010710	7,10	109	69	18,78
B00005010720	7,20	109	69	18,78
B00005010730	7,30	109	69	18,78
B00005010740	7,40	109	69	18,78
B00005010750	7,50	109	69	15,70
B00005010760	7,60	117	75	20,67
B00005010770	7,70	117	75	20,67
B00005010780	7,80	117	75	20,67
B00005010790	7,90	117	75	20,67
B00005010800	8,00	117	75	17,08
B00005010810	8,10	117	75	22,95
B00005010820	8,20	117	75	22,95
B00005010830	8,30	117	75	22,95
B00005010840	8,40	117	75	22,95
B00005010850	8,50	117	75	19,77
B00005010860	8,60	125	81	29,25
B00005010870	8,70	125	81	29,25
B00005010880	8,80	125	81	29,25
B00005010890	8,90	125	81	29,25
B00005010900	9,00	125	81	22,08
B00005010910	9,10	125	81	30,31
B00005010920	9,20	125	81	30,31
B00005010930	9,30	125	81	30,31
B00005010940	9,40	125	81	30,31
B00005010950	9,50	125	81	25,23
B00005010960	9,60	133	87	34,48
B00005010970	9,70	133	87	34,48
B00005010980	9,80	133	87	34,48
B00005010990	9,90	133	87	34,48
B00005011000	10,00	133	87	27,07
B00005011010	10,10	133	87	39,92

İSTEK HALİNDE H - W TIPLERİNDE VE SOL KESİCİ OLARAK ÜRETİLEBİLİR.

Silindirik Saplı Kısa Matkap Ucu - GÜMÜŞ SERİ


Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00005011020	10,20	133	87	36,69
B00005011030	10,30	133	87	*
B00005011040	10,40	133	87	*
B00005011050	10,50	133	87	31,54
B00005011060	10,60	133	87	*
B00005011070	10,70	142	94	*
B00005011080	10,80	142	94	51,16
B00005011090	10,90	142	94	*
B00005011100	11,00	142	94	36,69
B00005011110	11,10	142	94	*
B00005011120	11,20	142	94	*
B00005011130	11,30	142	94	*
B00005011140	11,40	142	94	*
B00005011150	11,50	142	94	38,76
B00005011160	11,60	142	94	*
B00005011170	11,70	142	94	*
B00005011180	11,80	142	94	*
B00005011190	11,90	151	101	*
B00005011200	12,00	151	101	42,69
B00005011210	12,10	151	101	*
B00005011220	12,20	151	101	*
B00005011230	12,30	151	101	*
B00005011240	12,40	151	101	*
B00005011250	12,50	151	101	46,07
B00005011260	12,60	151	101	*
B00005011270	12,70	151	101	*
B00005011280	12,80	151	101	*
B00005011290	12,90	151	101	*
B00005011300	13,00	151	101	49,15
B00005011310	13,10	151	101	*
B00005011320	13,20	151	101	*
B00005011350	13,50	160	108	84,22
B00005011400	14,00	160	108	89,37
B00005011450	14,50	169	114	99,82
B00005011500	15,00	169	114	104,43
B00005011550	15,50	178	120	108,67
B00005011600	16,00	178	120	119,43
B00005011650	16,50	184	125	*
B00005011700	17,00	184	125	*
B00005011750	17,50	191	130	*
B00005011800	18,00	191	130	*
B00005011850	18,50	198	135	*
B00005011900	19,00	198	135	*
B00005011950	19,50	205	140	*
B00005012000	20,00	205	140	*

İSTEK HALİNDE H - W TIPLERİNDE VE SOL KESİCİ OLARAK ÜRETİLEBİLİR.



Silindirik Saplı Kısa Matkap Ucu - GÜMÜŞ SERİ



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00005012050	20,50	213	145	*
B00005012100	21,00	213	145	*
B00005012150	21,50	221	150	*
B00005012200	22,00	221	150	*
B00005012250	22,50	229	155	*
B00005012300	23,00	229	155	*
B00005012350	23,50	229	155	*
B00005012400	24,00	236	160	*
B00005012450	24,50	236	160	*
B00005012500	25,00	236	160	*

İSTEK HALİNDE H - W TİPLERİNDE VE SOL KESİCİ OLARAK ÜRETİLEBİLİR.

■ Siparişlerinize Termin Verilecektir.

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.



Silindirik Saplı Kısa Matkap Ucu - ALTIN SERİ



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00005000100	1,00	34	12	7,29
B00005000110	1,10	36	14	13,69
B00005000120	1,20	38	16	13,69
B00005000130	1,30	38	16	13,69
B00005000140	1,40	40	18	13,69
B00005000150	1,50	40	18	5,22
B00005000160	1,60	43	20	10,58
B00005000170	1,70	43	20	10,58
B00005000180	1,80	46	22	10,58
B00005000190	1,90	46	22	10,58
B00005000200	2,00	49	24	5,14
B00005000210	2,10	49	24	6,52
B00005000220	2,20	53	27	6,52
B00005000230	2,30	53	27	6,52
B00005000240	2,40	57	30	6,52
B00005000250	2,50	57	30	5,27
B00005000260	2,60	57	30	7,22
B00005000270	2,70	61	33	7,22
B00005000280	2,80	61	33	7,22
B00005000290	2,90	61	33	7,22
B00005000300	3,00	61	33	5,64
B00005000310	3,10	65	36	7,22
B00005000320	3,20	65	36	7,22
B00005000330	3,30	65	36	6,95
B00005000340	3,40	70	39	8,06
B00005000350	3,50	70	39	6,55
B00005000360	3,60	70	39	8,06
B00005000370	3,70	70	39	9,30
B00005000380	3,80	75	43	9,30
B00005000390	3,90	75	43	9,30
B00005000400	4,00	75	43	7,91
B00005000410	4,10	75	43	9,79
B00005000420	4,20	75	43	8,47
B00005000430	4,30	80	47	9,79
B00005000440	4,40	80	47	9,79
B00005000450	4,50	80	47	8,93
B00005000460	4,60	80	47	9,79
B00005000470	4,70	80	47	11,16
B00005000480	4,80	86	52	11,16

İSTEK HALİNDE H - W TİPLERİNDE VE SOL KESİCİ OLARAK ÜRETİLEBİLİR.



Silindirik Saplı Kısa Matkap Ucu - ALTIN SERİ



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00005000490	4,90	86	52	11,16
B00005000500	5,00	86	52	10,09
B00005000510	5,10	86	52	10,01
B00005000520	5,20	86	52	10,06
B00005000530	5,30	86	52	11,59
B00005000540	5,40	93	57	14,27
B00005000550	5,50	93	57	12,35
B00005000560	5,60	93	57	14,27
B00005000570	5,70	93	57	14,27
B00005000580	5,80	93	57	14,27
B00005000590	5,90	93	57	14,54
B00005000600	6,00	93	57	13,18
B00005000610	6,10	101	63	17,58
B00005000620	6,20	101	63	17,58
B00005000630	6,30	101	63	17,58
B00005000640	6,40	101	63	18,41
B00005000650	6,50	101	63	16,18
B00005000660	6,60	101	63	19,60
B00005000670	6,70	101	63	19,60
B00005000680	6,80	109	69	20,45
B00005000690	6,90	109	69	23,55
B00005000700	7,00	109	69	19,36
B00005000710	7,10	109	69	25,04
B00005000720	7,20	109	69	25,06
B00005000730	7,30	109	69	25,06
B00005000740	7,40	109	69	25,06
B00005000750	7,50	109	69	21,98
B00005000760	7,60	117	75	27,60
B00005000770	7,70	117	75	27,60
B00005000780	7,80	117	75	27,60
B00005000790	7,90	117	75	27,60
B00005000800	8,00	117	75	23,55
B00005000810	8,10	117	75	30,62
B00005000820	8,20	117	75	30,62
B00005000830	8,30	117	75	30,62
B00005000840	8,40	117	75	30,62
B00005000850	8,50	117	75	27,39
B00005000860	8,60	125	81	39,02
B00005000870	8,70	125	81	39,02
B00005000880	8,80	125	81	39,02
B00005000890	8,90	125	81	39,02
B00005000900	9,00	125	81	30,69
B00005000910	9,10	125	81	39,28
B00005000920	9,20	125	81	39,28
B00005000930	9,30	125	81	39,20

İSTEK HALİNDE H - W TİPLERİNDE VE SOL KESİCİ OLARAK ÜRETİLEBİLİR.



Silindirik Saplı Kısa Matkap Ucu - ALTIN SERİ



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00005000940	9,40	125	81	39,20
B00005000950	9,50	125	81	34,88
B00005000960	9,60	133	87	46,00
B00005000970	9,70	133	87	46,00
B00005000980	9,80	133	87	46,00
B00005000990	9,90	133	87	46,00
B00005001000	10,00	133	87	37,49
B00005001010	10,10	133	87	53,24
B00005001020	10,20	133	87	49,10
B00005001030	10,30	133	87	*
B00005001040	10,40	133	87	*
B00005001050	10,50	133	87	43,60
B00005001060	10,60	133	87	*
B00005001070	10,70	142	94	*
B00005001080	10,80	142	94	68,38
B00005001090	10,90	142	94	*
B00005001100	11,00	142	94	50,91
B00005001110	11,10	142	94	*
B00005001120	11,20	142	94	*
B00005001130	11,30	142	94	*
B00005001140	11,40	142	94	*
B00005001150	11,50	142	94	53,62
B00005001160	11,60	142	94	*
B00005001170	11,70	142	94	*
B00005001180	11,80	142	94	*
B00005001190	11,90	151	101	*
B00005001200	12,00	151	101	59,29
B00005001210	12,10	151	101	*
B00005001220	12,20	151	101	*
B00005001230	12,30	151	101	*
B00005001240	12,40	151	101	*
B00005001250	12,50	151	101	64,00
B00005001260	12,60	151	101	*
B00005001270	12,70	151	101	*
B00005001280	12,80	151	101	*
B00005001290	12,90	151	101	*
B00005001300	13,00	151	101	68,18
B00005001310	13,10	151	101	*
B00005001320	13,20	151	101	*
B00005001350	13,50	160	108	116,83
B00005001400	14,00	160	108	123,62
B00005001450	14,50	169	114	138,10
B00005001500	15,00	169	114	144,63
B00005001550	15,50	178	120	150,74
B00005001600	16,00	178	120	165,47

İSTEK HALİNDE H - W TİPLERİNDE VE SOL KESİCİ OLARAK ÜRETİLEBİLİR.



Silindirik Saplı Kısa Matkap Ucu - ALTIN SERİ

HSS-E

DIN
338

TS
ISO
235

ÖZEL



h8



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00005001650	16,50	184	125	172,10
B00005001700	17,00	184	125	180,48
B00005001750	17,50	191	130	193,55
B00005001800	18,00	191	130	196,16
B00005001850	18,50	198	135	213,37
B00005001900	19,00	198	135	231,90
B00005001950	19,50	205	140	253,71
B00005002000	20,00	205	140	258,94
B00005002050	20,50	213	145	*
B00005002100	21,00	213	145	*
B00005002150	21,50	221	150	*
B00005002200	22,00	221	150	*
B00005002250	22,50	229	155	*
B00005002300	23,00	229	155	*
B00005002350	23,50	229	155	*
B00005002400	24,00	236	160	*
B00005002450	24,50	236	160	*
B00005002500	25,00	236	160	*

İSTEK HALİNDE H - W TİPLERİNDE VE SOL KESİCİ OLARAK ÜRETİLEBİLİR.

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.

Silindirik Saplı Kısa Matkap Ucu - TiN KAPLAMALI



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00006000150	1,5	40	18	7,20
B00006000200	2,0	49	24	7,91
B00006000250	2,5	57	30	7,91
B00006000300	3,0	61	33	8,41
B00006000330	3,3	65	36	9,63
B00006000350	3,5	70	39	9,01
B00006000400	4,0	75	43	10,36
B00006000420	4,2	75	43	11,09
B00006000450	4,5	80	47	12,40
B00006000500	5,0	86	52	13,39
B00006000550	5,5	93	57	15,65
B00006000600	6,0	93	57	15,00
B00006000650	6,5	101	63	27,77
B00006000680	6,8	109	69	32,24
B00006000700	7,0	109	69	30,32
B00006000750	7,5	109	69	32,61
B00006000800	8,0	117	75	34,29
B00006000850	8,5	117	75	37,45
B00006000900	9,0	125	81	40,47
B00006000950	9,5	125	81	44,73
B00006001000	10,0	133	87	46,63
B00006001050	10,5	133	87	52,73
B00006001100	11,0	142	94	59,34
B00006001150	11,5	142	94	61,67
B00006001200	12,0	151	101	79,01
B00006001250	12,5	151	101	83,2
B00006001300	13,0	151	101	88,63
B00006001350	13,5	160	108	151,88
B00006001400	14,0	160	108	160,71
B00006001450	14,5	169	114	179,53
B00006001500	15,0	169	114	188,02
B00006001550	15,5	178	120	*
B00006001600	16,0	178	120	*

İSTEK HALİNDE H - W TİPLERİNDE VE SOL KESİCİ OLARAK ÜRETİLEBİLİR.

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.

Devamı sayfa 57 'dedir



Silindirik Saplı Kısa Matkap Ucu - TiN KAPLAMALI



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00006001650	16.50	184	125	*
B00006001700	17.00	184	125	*
B00006001750	17.50	191	130	*
B00006001800	18.00	191	130	*
B00006001850	18.50	198	135	*
B00006001900	19.00	198	135	*
B00006001950	19.50	205	140	*
B00006002000	20.00	205	140	*
B00006002050	20,50	213	145	*
B00006002100	21,00	213	145	*
B00006002150	21,50	221	150	*
B00006002200	22,00	221	150	*
B00006002250	22,50	229	155	*
B00006002300	23,00	229	155	*
B00006002350	23,50	229	155	*
B00006002400	24,00	236	160	*
B00006002450	24,50	236	160	*
B00006002500	25,00	236	160	*

İSTEK HALİNDE H - W TİPLERİNDE VE SOL KESİCİ OLARAK ÜRETİLEBİLİR.

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.



Silindirik Saplı Uzun Matkap Ucu - GÜMÜŞ SERİ



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00008610100	1,00	56	33	24,20
B00008610110	1,10	60	37	24,44
B00008610120	1,20	65	41	23,36
B00008610130	1,30	65	41	21,17
B00008610140	1,40	70	45	19,91
B00008610150	1,50	70	45	16,86
B00008610160	1,60	76	50	17,94
B00008610170	1,70	76	50	17,94
B00008610180	1,80	80	53	17,94
B00008610190	1,90	80	53	17,94
B00008610200	2,00	85	56	11,48
B00008610210	2,10	85	56	14,71
B00008610220	2,20	90	59	14,71
B00008610230	2,30	90	59	14,71
B00008610240	2,40	95	62	14,71
B00008610250	2,50	95	62	12,14
B00008610260	2,60	95	62	15,58
B00008610270	2,70	100	66	15,58
B00008610280	2,80	100	66	15,58
B00008610290	2,90	100	66	15,79
B00008610300	3,00	100	66	12,14
B00008610310	3,10	106	69	15,79
B00008610320	3,20	106	69	13,43
B00008610330	3,30	106	69	14,92
B00008610340	3,40	112	73	16,64
B00008610350	3,50	112	73	14,71
B00008610360	3,60	112	73	16,64
B00008610370	3,70	112	73	17,32
B00008610380	3,80	119	78	17,08
B00008610390	3,90	119	78	18,79
B00008610400	4,00	119	78	16,25
B00008610410	4,10	119	78	19,25
B00008610420	4,20	119	78	16,43
B00008610430	4,30	126	82	20,34
B00008610440	4,40	126	82	20,34
B00008610450	4,50	126	82	18,18
B00008610460	4,60	126	82	20,81

İSTEK HALİNDE H - W TIPLERİNDE VE SOL KESİCİ OLARAK ÜRETİLEBİLİR.

Devamı sayfa 59' dadır



Silindirik Saplı Uzun Matkap Ucu - GÜMÜŞ SERİ



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00008610470	4,70	126	82	21,64
B00008610480	4,80	132	87	21,64
B00008610490	4,90	132	87	21,64
B00008610500	5,00	132	87	20,57
B00008610510	5,10	132	87	22,70
B00008610520	5,20	132	87	23,58
B00008610530	5,30	132	87	22,92
B00008610540	5,40	139	91	22,92
B00008610550	5,50	139	91	23,58
B00008610560	5,60	139	91	23,58
B00008610570	5,70	139	91	23,93
B00008610580	5,80	139	91	24,34
B00008610590	5,90	139	91	24,50
B00008610600	6,00	139	91	25,09
B00008610610	6,10	148	97	26,16
B00008610620	6,20	148	97	28,08
B00008610630	6,30	148	97	28,86
B00008610640	6,40	148	97	32,44
B00008610650	6,50	148	97	27,70
B00008610660	6,60	148	97	33,85
B00008610670	6,70	148	97	35,14
B00008610680	6,80	156	102	39,62
B00008610690	6,90	156	102	39,62
B00008610700	7,00	156	102	31,92
B00008610710	7,10	156	102	42,05
B00008610720	7,20	156	102	42,42
B00008610730	7,30	156	102	42,42
B00008610740	7,40	156	102	43,07
B00008610750	7,50	156	102	38,09
B00008610760	7,60	165	109	44,09
B00008610770	7,70	165	109	44,99
B00008610780	7,80	165	109	44,99
B00008610790	7,90	165	109	44,99
B00008610800	8,00	165	109	38,09
B00008610810	8,10	165	109	47,83
B00008610820	8,20	165	109	45,78
B00008610830	8,30	165	109	51,78
B00008610840	8,40	165	109	54,11
B00008610850	8,50	165	109	44,60
B00008610860	8,60	175	115	55,51
B00008610870	8,70	175	115	60,13
B00008610880	8,80	175	115	64,36
B00008610890	8,90	175	115	66,02
B00008610900	9,00	175	115	46,40
B00008610910	9,10	175	115	67,68

İSTEK HALİNDE H - W TIPLERİNDE VE SOL KESİCİ OLARAK ÜRETİLEBİLİR.



Silindirik Saplı Uzun Matkap Ucu - GÜMÜŞ SERİ



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00008610920	9,20	175	115	67,68
B00008610930	9,30	175	115	67,68
B00008610940	9,40	175	115	67,68
B00008610950	9,50	175	115	55,63
B00008610960	9,60	184	121	76,40
B00008610970	9,70	184	121	93,70
B00008610980	9,80	184	121	76,40
B00008610990	9,90	184	121	76,27
B00008611000	10,00	184	121	55,13
B00008611010	10,10	184	121	80,23
B00008611020	10,20	184	121	78,59
B00008611030	10,30	184	121	84,22
B00008611040	10,40	184	121	87,43
B00008611050	10,50	184	121	78,83
B00008611060	10,60	184	121	88,19
B00008611070	10,70	195	128	91,13
B00008611080	10,80	195	128	100,24
B00008611090	10,90	195	128	107,04
B00008611100	11,00	195	128	81,14
B00008611130	11,30	195	128	138,42
B00008611140	11,40	195	128	144,72
B00008611150	11,50	195	128	90,88
B00008611170	11,70	195	128	167,00
B00008611180	11,80	195	128	128,82
B00008611190	11,90	205	134	128,82
B00008611200	12,00	205	134	101,92
B00008611220	12,20	205	134	140,22
B00008611230	12,30	205	134	140,22
B00008611250	12,50	205	134	101,92
B00008611270	12,70	205	134	182,66
B00008611280	12,80	205	134	182,77
B00008611300	13,00	205	134	108,56
B00008611320	13,20	205	134	219,18
B00008611350	13,50	214	140	122,80
B00008611400	14,00	214	140	138,82
B00008611450	14,50	220	144	161,48
B00008611500	15,00	220	144	170,35
B00008611550	15,50	227	149	215,20
B00008611600	16,00	227	149	202,76
B00008611650	16,50	235	154	290,95
B00008611700	17,00	235	154	242,64
B00008611750	17,50	241	158	315,29
B00008611800	18,00	241	158	271,72
B00008611850	18,50	247	162	366,55
B00008611900	19,00	247	162	325,55
B00008611950	19,50	254	166	405,01
B00008612000	20,00	254	166	356,32

İSTEK HALİNDE H - W TİPLERİNDE VE SOL KESİCİ OLARAK ÜRETİLEBİLİR.

■ Siparişlerinize Termin Verilecektir.



Silindirik Saplı Uzun Matkap Ucu - ALTIN SERİ



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00008600100	1,00	56	33	27,83
B00008600110	1,10	60	37	28,11
B00008600120	1,20	65	41	26,86
B00008600130	1,30	65	41	24,35
B00008600140	1,40	70	45	22,90
B00008600150	1,50	70	45	19,39
B00008600160	1,60	76	50	20,63
B00008600170	1,70	76	50	20,63
B00008600180	1,80	80	53	20,63
B00008600190	1,90	80	53	20,63
B00008600200	2,00	85	56	13,20
B00008600210	2,10	85	56	16,92
B00008600220	2,20	90	59	16,92
B00008600230	2,30	90	59	16,92
B00008600240	2,40	95	62	16,92
B00008600250	2,50	95	62	13,96
B00008600260	2,60	95	62	17,92
B00008600270	2,70	100	66	17,92
B00008600280	2,80	100	66	17,92
B00008600290	2,90	100	66	18,16
B00008600300	3,00	100	66	13,96
B00008600310	3,10	106	69	18,16
B00008600320	3,20	106	69	15,44
B00008600330	3,30	106	69	17,16
B00008600340	3,40	112	73	19,14
B00008600350	3,50	112	73	16,92
B00008600360	3,60	112	73	19,14
B00008600370	3,70	112	73	19,92
B00008600380	3,80	119	78	19,64
B00008600390	3,90	119	78	21,61
B00008600400	4,00	119	78	18,69
B00008600410	4,10	119	78	22,14
B00008600420	4,20	119	78	18,89
B00008600430	4,30	126	82	23,39
B00008600440	4,40	126	82	23,39
B00008600450	4,50	126	82	20,91
B00008600460	4,60	126	82	23,93
B00008600470	4,70	126	82	24,89
B00008600480	4,80	132	87	24,89

İSTEK HALİNDE H - W TİPLERİNDE VE SOL KESİCİ OLARAK ÜRETİLEBİLİR.



Silindirik Saplı Uzun Matkap Ucu - ALTIN SERİ



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00008600490	4,90	132	87	24,89
B00008600500	5,00	132	87	23,66
B00008600510	5,10	132	87	26,11
B00008600520	5,20	132	87	27,12
B00008600530	5,30	132	87	26,36
B00008600540	5,40	139	91	26,36
B00008600550	5,50	139	91	27,12
B00008600560	5,60	139	91	27,12
B00008600570	5,70	139	91	27,52
B00008600580	5,80	139	91	27,99
B00008600590	5,90	139	91	28,18
B00008600600	6,00	139	91	28,85
B00008600610	6,10	148	97	30,08
B00008600620	6,20	148	97	32,29
B00008600630	6,30	148	97	33,19
B00008600640	6,40	148	97	37,31
B00008600650	6,50	148	97	31,86
B00008600660	6,60	148	97	38,93
B00008600670	6,70	148	97	40,41
B00008600680	6,80	156	102	45,56
B00008600690	6,90	156	102	45,56
B00008600700	7,00	156	102	36,71
B00008600710	7,10	156	102	48,36
B00008600720	7,20	156	102	48,78
B00008600730	7,30	156	102	48,78
B00008600740	7,40	156	102	49,53
B00008600750	7,50	156	102	43,80
B00008600760	7,60	165	109	50,70
B00008600770	7,70	165	109	51,74
B00008600780	7,80	165	109	51,74
B00008600790	7,90	165	109	51,74
B00008600800	8,00	165	109	43,80
B00008600810	8,10	165	109	55,00
B00008600820	8,20	165	109	52,65
B00008600830	8,30	165	109	59,55
B00008600840	8,40	165	109	62,23
B00008600850	8,50	165	109	51,29
B00008600860	8,60	175	115	63,84
B00008600870	8,70	175	115	69,15
B00008600880	8,80	175	115	74,01
B00008600890	8,90	175	115	75,92
B00008600900	9,00	175	115	53,36
B00008600910	9,10	175	115	77,83
B00008600920	9,20	175	115	77,83
B00008600930	9,30	175	115	77,83

İSTEK HALİNDE H - W TİPLERİNDE VE SOL KESİCİ OLARAK ÜRETİLEBİLİR.



Silindirik Saplı Uzun Matkap Ucu - ALTIN SERİ



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00008600940	9,40	175	115	77,83
B00008600950	9,50	175	115	63,97
B00008600960	9,60	184	121	87,86
B00008600970	9,70	184	121	107,76
B00008600980	9,80	184	121	87,86
B00008600990	9,90	184	121	87,71
B00008601000	10,00	184	121	63,40
B00008601010	10,10	184	121	92,26
B00008601020	10,20	184	121	90,38
B00008601030	10,30	184	121	96,85
B00008601040	10,40	184	121	100,54
B00008601050	10,50	184	121	90,65
B00008601060	10,60	184	121	101,42
B00008601070	10,70	195	128	104,80
B00008601080	10,80	195	128	115,28
B00008601090	10,90	195	128	123,10
B00008601100	11,00	195	128	93,31
B00008601130	11,30	195	128	159,18
B00008601140	11,40	195	128	166,43
B00008601150	11,50	195	128	104,51
B00008601170	11,70	195	128	192,05
B00008601180	11,80	195	128	148,14
B00008601190	11,90	205	134	148,14
B00008601200	12,00	205	134	117,21
B00008601220	12,20	205	134	161,25
B00008601230	12,30	205	134	161,25
B00008601250	12,50	205	134	117,21
B00008601270	12,70	205	134	210,06
B00008601280	12,80	205	134	210,19
B00008601300	13,00	205	134	124,84
B00008601320	13,20	205	134	252,06
B00008601350	13,50	214	140	141,22
B00008601400	14,00	214	140	159,64
B00008601450	14,50	220	144	185,70
B00008601500	15,00	220	144	195,90
B00008601550	15,50	227	149	247,48
B00008601600	16,00	227	149	233,17
B00008601650	16,50	235	154	334,59
B00008601700	17,00	235	154	279,04
B00008601750	17,50	241	158	362,58
B00008601800	18,00	241	158	312,48
B00008601850	18,50	247	162	421,53
B00008601900	19,00	247	162	374,38
B00008601950	19,50	254	166	465,76
B00008602000	20,00	254	166	409,77

İSTEK HALİNDE H - W TİPLERİNDE VE SOL KESİCİ OLARAK ÜRETİLEBİLİR.

■ Siparişlerinize Termin Verilecektir.



Silindirik Saplı Uzun Matkap Ucu



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00007200100	1,00	56	33	15,87
B00007200110	1,10	60	37	16,05
B00007200120	1,20	65	41	15,35
B00007200130	1,30	65	41	13,91
B00007200140	1,40	70	45	13,06
B00007200150	1,50	70	45	11,08
B00007200160	1,60	76	50	11,79
B00007200170	1,70	76	50	11,79
B00007200180	1,80	80	53	11,79
B00007200190	1,90	80	53	11,79
B00007200200	2,00	85	56	7,53
B00007200210	2,10	85	56	9,66
B00007200220	2,20	90	59	9,66
B00007200230	2,30	90	59	9,66
B00007200240	2,40	95	62	9,66
B00007200250	2,50	95	62	7,97
B00007200260	2,60	95	62	10,22
B00007200270	2,70	100	66	10,22
B00007200280	2,80	100	66	10,22
B00007200290	2,90	100	66	10,37
B00007200300	3,00	100	66	7,97
B00007200310	3,10	106	69	10,37
B00007200320	3,20	106	69	8,81
B00007200330	3,30	106	69	9,80
B00007200340	3,40	112	73	10,93
B00007200350	3,50	112	73	9,66
B00007200360	3,60	112	73	10,93
B00007200370	3,70	112	73	11,37
B00007200380	3,80	119	78	11,22
B00007200390	3,90	119	78	12,34
B00007200400	4,00	119	78	10,67
B00007200410	4,10	119	78	12,63
B00007200420	4,20	119	78	10,78
B00007200430	4,30	126	82	13,36
B00007200440	4,40	126	82	13,36
B00007200450	4,50	126	82	11,93
B00007200460	4,60	126	82	13,66
B00007200470	4,70	126	82	14,19
B00007200480	4,80	132	87	14,19



Silindirik Saplı Uzun Matkap Ucu



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00007200490	4,90	132	87	14,19
B00007200500	5,00	132	87	13,51
B00007200510	5,10	132	87	14,91
B00007200520	5,20	132	87	15,48
B00007200530	5,30	132	87	15,06
B00007200540	5,40	139	91	15,06
B00007200550	5,50	139	91	15,48
B00007200560	5,60	139	91	15,48
B00007200570	5,70	139	91	15,72
B00007200580	5,80	139	91	15,98
B00007200590	5,90	139	91	16,08
B00007200600	6,00	139	91	16,47
B00007200610	6,10	148	97	17,18
B00007200620	6,20	148	97	18,44
B00007200630	6,30	148	97	18,95
B00007200640	6,40	148	97	21,31
B00007200650	6,50	148	97	18,18
B00007200660	6,60	148	97	22,22
B00007200670	6,70	148	97	23,08
B00007200680	6,80	156	102	26,02
B00007200690	6,90	156	102	26,02
B00007200700	7,00	156	102	20,97
B00007200710	7,10	156	102	27,62
B00007200720	7,20	156	102	27,86
B00007200730	7,30	156	102	27,86
B00007200740	7,40	156	102	28,28
B00007200750	7,50	156	102	25,01
B00007200760	7,60	165	109	28,96
B00007200770	7,70	165	109	29,54
B00007200780	7,80	165	109	29,54
B00007200790	7,90	165	109	29,54
B00007200800	8,00	165	109	25,01
B00007200810	8,10	165	109	31,40
B00007200820	8,20	165	109	30,06
B00007200830	8,30	165	109	34,01
B00007200840	8,40	165	109	35,53
B00007200850	8,50	165	109	29,30
B00007200860	8,60	175	115	36,45
B00007200870	8,70	175	115	39,48
B00007200880	8,80	175	115	42,27
B00007200890	8,90	175	115	43,35
B00007200900	9,00	175	115	30,49
B00007200910	9,10	175	115	44,44
B00007200920	9,20	175	115	44,44
B00007200930	9,30	175	115	44,44



Silindirik Saplı Uzun Matkap Ucu



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00007200940	9,40	175	115	44,44
B00007200950	9,50	175	115	36,54
B00007200960	9,60	184	121	50,17
B00007200970	9,70	184	121	61,54
B00007200980	9,80	184	121	50,17
B00007200990	9,90	184	121	50,08
B00007201000	10,00	184	121	36,22
B00007201010	10,10	184	121	52,70
B00007201020	10,20	184	121	51,60
B00007201030	10,30	184	121	55,31
B00007201040	10,40	184	121	57,42
B00007201050	10,50	184	121	51,76
B00007201060	10,60	184	121	57,92
B00007201070	10,70	195	128	59,85
B00007201080	10,80	195	128	65,83
B00007201090	10,90	195	128	70,30
B00007201100	11,00	195	128	53,29
B00007201130	11,30	195	128	90,92
B00007201140	11,40	195	128	95,05
B00007201150	11,50	195	128	59,68
B00007201170	11,70	195	128	109,68
B00007201180	11,80	195	128	84,60
B00007201190	11,90	205	134	84,60
B00007201200	12,00	205	134	66,91
B00007201220	12,20	205	134	92,11
B00007201230	12,30	205	134	92,11
B00007201250	12,50	205	134	66,91
B00007201270	12,70	205	134	119,96
B00007201280	12,80	205	134	120,04
B00007201300	13,00	205	134	71,30
B00007201320	13,20	205	134	143,94
B00007201350	13,50	214	140	80,64
B00007201400	14,00	214	140	91,15
B00007201450	14,50	220	144	106,06
B00007201500	15,00	220	144	111,88
B00007201550	15,50	227	149	141,33
B00007201600	16,00	227	149	133,17
B00007201650	16,50	235	154	191,08
B00007201700	17,00	235	154	159,35
B00007201750	17,50	241	158	207,06
B00007201800	18,00	241	158	178,44
B00007201850	18,50	247	162	240,74
B00007201900	19,00	247	162	213,80
B00007201950	19,50	254	166	265,99
B00007202000	20,00	254	166	234,01

Siparişlerinize Termin Verilecektir.



Silindirik Saplı Uzun Matkap Ucu - HSS-E

HSS-E

DIN
340

TS
ISO
494

N



h8



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00005200100	1,00	56	33	20,17
B00005200110	1,10	60	37	20,37
B00005200120	1,20	65	41	19,47
B00005200130	1,30	65	41	17,64
B00005200140	1,40	70	45	16,59
B00005200150	1,50	70	45	14,05
B00005200160	1,60	76	50	14,95
B00005200170	1,70	76	50	14,95
B00005200180	1,80	80	53	14,95
B00005200190	1,90	80	53	14,95
B00005200200	2,00	85	56	9,57
B00005200210	2,10	85	56	12,26
B00005200220	2,20	90	59	12,26
B00005200230	2,30	90	59	12,26
B00005200240	2,40	95	62	12,26
B00005200250	2,50	95	62	10,12
B00005200260	2,60	95	62	12,98
B00005200270	2,70	100	66	12,98
B00005200280	2,80	100	66	12,98
B00005200290	2,90	100	66	13,16
B00005200300	3,00	100	66	10,12
B00005200310	3,10	106	69	13,16
B00005200320	3,20	106	69	11,19
B00005200330	3,30	106	69	12,43
B00005200340	3,40	112	73	13,87
B00005200350	3,50	112	73	12,26
B00005200360	3,60	112	73	13,87
B00005200370	3,70	112	73	14,43
B00005200380	3,80	119	78	14,23
B00005200390	3,90	119	78	15,66
B00005200400	4,00	119	78	13,54
B00005200410	4,10	119	78	16,04
B00005200420	4,20	119	78	13,69
B00005200430	4,30	126	82	16,95
B00005200440	4,40	126	82	16,95
B00005200450	4,50	126	82	15,15
B00005200460	4,60	126	82	17,34
B00005200470	4,70	126	82	18,03
B00005200480	4,80	132	87	18,03



Silindirik Saplı Uzun Matkap Ucu - HSS-E



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00005200490	4,90	132	87	18,03
B00005200500	5,00	132	87	17,14
B00005200510	5,10	132	87	18,92
B00005200520	5,20	132	87	19,65
B00005200530	5,30	132	87	19,10
B00005200540	5,40	139	91	19,10
B00005200550	5,50	139	91	19,65
B00005200560	5,60	139	91	19,65
B00005200570	5,70	139	91	19,94
B00005200580	5,80	139	91	20,28
B00005200590	5,90	139	91	20,42
B00005200600	6,00	139	91	20,91
B00005200610	6,10	148	97	21,80
B00005200620	6,20	148	97	23,40
B00005200630	6,30	148	97	24,05
B00005200640	6,40	148	97	27,03
B00005200650	6,50	148	97	23,08
B00005200660	6,60	148	97	28,21
B00005200670	6,70	148	97	29,28
B00005200680	6,80	156	102	33,02
B00005200690	6,90	156	102	33,02
B00005200700	7,00	156	102	26,60
B00005200710	7,10	156	102	35,04
B00005200720	7,20	156	102	35,35
B00005200730	7,30	156	102	35,35
B00005200740	7,40	156	102	35,89
B00005200750	7,50	156	102	31,74
B00005200760	7,60	165	109	36,74
B00005200770	7,70	165	109	37,49
B00005200780	7,80	165	109	37,49
B00005200790	7,90	165	109	37,49
B00005200800	8,00	165	109	31,74
B00005200810	8,10	165	109	39,86
B00005200820	8,20	165	109	38,15
B00005200830	8,30	165	109	43,15
B00005200840	8,40	165	109	45,09
B00005200850	8,50	165	109	37,17
B00005200860	8,60	175	115	46,26
B00005200870	8,70	175	115	50,11
B00005200880	8,80	175	115	53,63
B00005200890	8,90	175	115	55,02
B00005200900	9,00	175	115	38,67
B00005200910	9,10	175	115	56,40
B00005200920	9,20	175	115	56,40
B00005200930	9,30	175	115	56,40



Silindirik Saplı Uzun Matkap Ucu - HSS-E



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00005200940	9,40	175	115	56,40
B00005200950	9,50	175	115	46,36
B00005200960	9,60	184	121	63,67
B00005200970	9,70	184	121	78,08
B00005200980	9,80	184	121	63,67
B00005200990	9,90	184	121	63,56
B00005201000	10,00	184	121	45,94
B00005201010	10,10	184	121	66,86
B00005201020	10,20	184	121	65,49
B00005201030	10,30	184	121	70,18
B00005201040	10,40	184	121	72,86
B00005201050	10,50	184	121	65,69
B00005201060	10,60	184	121	73,49
B00005201070	10,70	195	128	75,94
B00005201080	10,80	195	128	83,53
B00005201090	10,90	195	128	89,20
B00005201100	11,00	195	128	67,62
B00005201130	11,30	195	128	115,35
B00005201140	11,40	195	128	120,60
B00005201150	11,50	195	128	75,73
B00005201170	11,70	195	128	139,17
B00005201180	11,80	195	128	107,35
B00005201190	11,90	205	134	107,35
B00005201200	12,00	205	134	84,93
B00005201220	12,20	205	134	116,85
B00005201230	12,30	205	134	116,85
B00005201250	12,50	205	134	84,93
B00005201270	12,70	205	134	152,22
B00005201280	12,80	205	134	152,31
B00005201300	13,00	205	134	90,47
B00005201320	13,20	205	134	182,65
B00005201350	13,50	214	140	102,33
B00005201400	14,00	214	140	115,68
B00005201450	14,50	220	144	134,57
B00005201500	15,00	220	144	141,96
B00005201550	15,50	227	149	179,33
B00005201600	16,00	227	149	168,97
B00005201650	16,50	235	154	242,46
B00005201700	17,00	235	154	202,20
B00005201750	17,50	241	158	262,74
B00005201800	18,00	241	158	226,43
B00005201850	18,50	247	162	305,46
B00005201900	19,00	247	162	271,29
B00005201950	19,50	254	166	337,51
B00005202000	20,00	254	166	296,93



Silindirik Saplı Çok Uzun Matkap Ucu - N TİPİ



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00007500200	2,0	125	85	28,00
B00007500250	2,5	140	95	29,24
B00007500300	3,0	150	100	32,76
B00007500350	3,5	165	115	32,76
B00007500400	4,0	175	120	35,18
B00007530420	4,2	175	120	51,67
B00007500450	4,5	185	125	40,25
B00007500500	5,0	195	135	40,67
B00007500550	5,5	205	140	46,93
B00007500600	6,0	205	140	49,25
B00007500650	6,5	215	150	54,59
B00007500700	7,0	225	155	61,75
B00007500750	7,5	225	155	74,67
B00007500800	8,0	240	165	79,91
B00007500850	8,5	240	165	101,42
B00007500900	9,0	250	175	111,92
B00007500950	9,5	250	175	120,09
B00007501000	10,0	265	185	120,84
B00007501050	10,5	265	185	176,66
B00007501100	11,0	280	195	214,17
B00007501150	11,5	280	195	234,99
B00007501200	12,0	295	205	236,67
B00007501250	12,5	295	205	246,67
B00007501300	13,0	295	205	249,18
B00007501350	13,5	305	215	311,44
B00007501400	14,0	305	215	281,11
B00007501450	14,5	320	220	299,70
B00007501500	15,0	320	220	292,51

Siparişlerinize Termin Verilecektir.

İSTEK HALİNDE KAPLAMALI OLARAK ÜRETİLEBİLİR.



Silindirik Saplı Çok Uzun Matkap Ucu - GT100 TİPİ

HSS-E

DIN
1869
Nr.1

TS
ISO
3292

GT100



h8



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00005550200	2,0	125	85	36,42
B00005550250	2,5	140	95	38,16
B00005550300	3,0	150	100	42,74
B00005550350	3,5	165	115	42,74
B00005550400	4,0	175	120	45,78
B00005550450	4,5	185	125	52,45
B00005550500	5,0	195	135	53,32
B00005550550	5,5	205	140	61,23
B00005550600	6,0	205	140	64,20
B00005550650	6,5	215	150	71,17
B00005550700	7,0	225	155	80,52
B00005550750	7,5	225	155	97,42
B00005550800	8,0	240	165	104,30
B00005550850	8,5	240	165	132,24
B00005550900	9,0	250	175	146,53
B00005550950	9,5	250	175	156,68
B00005551000	10,0	265	185	158,13
B00005551050	10,5	265	185	230,65
B00005551100	11,0	280	195	279,26
B00005551150	11,5	280	195	306,82
B00005551200	12,0	295	205	308,27
B00005551250	12,5	295	205	322,06
B00005551300	13,0	295	205	325,68

İSTEK HALİNDE KAPLAMALI OLARAK ÜRETİLEBİLİR.



Silindirik Saplı Çok Uzun Matkap Ucu - N TİPİ



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00007530300	3,0	190	130	39,08
B00007530350	3,5	210	145	39,08
B00007530400	4,0	220	150	41,63
B00007530420	4,2	220	150	61,63
B00007530450	4,5	235	160	47,90
B00007530500	5,0	245	170	48,48
B00007530550	5,5	260	180	55,74
B00007530600	6,0	260	180	58,65
B00007530650	6,5	275	190	64,94
B00007530700	7,0	290	200	73,10
B00007530750	7,5	290	200	88,72
B00007530800	8,0	305	210	94,91
B00007530850	8,5	305	210	120,50
B00007530900	9,0	320	220	132,99
B00007530950	9,5	320	220	142,72
B00007531000	10,0	340	235	143,63
B00007531050	10,5	340	235	210,62
B00007531100	11,0	365	250	254,40
B00007531150	11,5	365	250	279,16
B00007531200	12,0	375	260	281,65
B00007531250	12,5	375	260	294,03
B00007531300	13,0	375	260	296,52

İSTEK HALİNDE KAPLAMALI OLARAK ÜRETİLEBİLİR.



Silindirik Saplı Çok Uzun Matkap Ucu - GT100 TİPİ

HSS-E

DIN
1869
Nr.2

TS
ISO
3292

GT100



h8



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00005610300	3,0	190	130	50,97
B00005610350	3,5	210	145	50,97
B00005610400	4,0	220	150	54,49
B00005610450	4,5	235	160	62,24
B00005610500	5,0	245	170	63,26
B00005610550	5,5	260	180	72,81
B00005610600	6,0	260	180	76,55
B00005610650	6,5	275	190	84,61
B00005610700	7,0	290	200	95,59
B00005610750	7,5	290	200	115,72
B00005610800	8,0	305	210	124,12
B00005610850	8,5	305	210	157,39
B00005610900	9,0	320	220	173,93
B00005610950	9,5	320	220	186,86
B00005611000	10,0	340	235	187,59
B00005611050	10,5	340	235	274,55
B00005611100	11,0	365	250	332,76
B00005611150	11,5	365	250	365,09
B00005611200	12,0	375	260	367,25
B00005611250	12,5	375	260	383,07
B00005611300	13,0	375	260	386,65

İSTEK HALİNDE KAPLAMALI OLARAK ÜRETİLEBİLİR.



Silindirik Saplı Çok Uzun Matkap Ucu - N TİPİ



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00007560300	3,0	235	160	49,87
B00007560350	3,5	265	180	49,73
B00007560400	4,0	280	190	53,22
B00007560450	4,5	295	200	60,92
B00007560500	5,0	315	210	61,90
B00007560550	5,5	330	225	71,30
B00007560600	6,0	330	225	74,81
B00007560650	6,5	350	235	82,83
B00007560700	7,0	370	250	93,62
B00007560750	7,5	370	250	113,42
B00007560800	8,0	390	265	121,21
B00007560850	8,5	390	265	153,81
B00007560900	9,0	410	280	170,36
B00007560950	9,5	410	280	182,53
B00007561000	10,0	430	295	183,34
B00007561050	10,5	430	295	268,51
B00007561100	11,0	455	310	325,29
B00007561150	11,5	455	310	356,11
B00007561200	12,0	480	330	358,55
B00007561250	12,5	480	330	374,77
B00007561300	13,0	480	330	378,02

İSTEK HALİNDE KAPLAMALI OLARAK ÜRETİLEBİLİR.



Silindirik Saplı Çok Uzun Matkap Ucu - GT100 TİPİ

HSS-E

DIN
1869
Nr.3

TS
ISO
3292

GT100



h8



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00005670300	3,0	235	160	69,19
B00005670350	3,5	265	180	74,05
B00005670400	4,0	280	190	74,05
B00005670450	4,5	295	200	84,76
B00005670500	5,0	315	210	86,11
B00005670550	5,5	330	225	99,21
B00005670600	6,0	330	225	104,48
B00005670650	6,5	350	235	115,26
B00005670700	7,0	370	250	130,25
B00005670750	7,5	370	250	157,11
B00005670800	8,0	390	265	168,61
B00005670850	8,5	390	265	213,99
B00005670900	9,0	410	280	237,01
B00005670950	9,5	410	280	253,93
B00005671000	10,0	430	295	255,07
B00005671050	10,5	430	295	373,58
B00005671100	11,0	455	310	451,43
B00005671150	11,5	455	310	467,41
B00005671200	12,0	480	330	498,85
B00005671250	12,5	480	330	491,10
B00005671300	13,0	480	330	525,93

İSTEK HALİNDE KAPLAMALI OLARAK ÜRETİLEBİLİR.



Mors Konik Saplı Matkap Ucu



Ürün kodu	d1 mm	L1 mm	L2 mm	Mors Konik No	TL/Adet
B00007400800	8,0	156	75	1	60,71
B00007400850	8,5	156	75	1	58,70
B00007400900	9,0	162	81	1	53,51
B00007400950	9,5	162	81	1	72,18
B00007401000	10,0	168	87	1	60,56
B00007401050	10,5	168	87	1	61,55
B00007401100	11,0	175	94	1	63,20
B00007401150	11,5	175	94	1	64,66
B00007401200	12,0	182	101	1	65,97
B00007401250	12,5	182	101	1	67,38
B00007401300	13,0	182	101	1	69,15
B00007401350	13,5	189	108	1	78,67
B00007401400	14,0	189	108	1	88,29
B00007401450	14,5	212	114	2	101,55
B00007401500	15,0	212	114	2	102,90
B00007401550	15,5	218	120	2	111,75
B00007401600	16,0	218	120	2	115,50
B00007401650	16,5	223	125	2	118,92
B00007401700	17,0	223	125	2	122,33
B00007401750	17,5	228	130	2	125,37
B00007401800	18,0	228	130	2	131,66
B00007401850	18,5	233	135	2	140,09
B00007401900	19,0	233	135	2	150,54
B00007401950	19,5	238	140	2	160,09
B00007402000	20,0	238	140	2	160,89
B00004002050	20,5	243	145	2	176,90
B00004002100	21,0	243	145	2	179,34
B00004002150	21,5	248	150	2	198,82
B00004002200	22,0	248	150	2	202,88
B00004002250	22,5	253	155	2	222,35
B00004002300	23,0	253	155	2	224,79
B00004002350	23,5	276	155	3	227,21
B00004002400	24,0	281	160	3	249,12
B00004002450	24,5	281	160	3	265,37
B00004002500	25,0	281	160	3	275,90
B00004002550	25,5	286	165	3	310,80
B00004002600	26,0	286	165	3	324,58



Mors Konik Saplı Matkap Ucu



Ürün kodu	d1 mm	L1 mm	L2 mm	Mors Konik No	TL/Adet
B00004002650	26,5	286	165	3	336,77
B00004002700	27,0	291	170	3	356,24
B00004002750	27,5	291	170	3	368,41
B00004002800	28,0	291	170	3	379,77
B00004002850	28,5	296	175	3	394,37
B00004002900	29,0	296	175	3	408,97
B00004002950	29,5	296	175	3	425,21
B00004003000	30,0	296	175	3	439,82
B00004003050	30,5	301	180	3	453,61
B00004003100	31,0	301	180	3	473,09
B00004003150	31,5	301	180	3	487,70
B00004003200	32,0	334	185	4	506,35
B00004003250	32,5	334	185	4	525,03
B00004003300	33,0	334	185	4	544,50
B00004003350	33,5	334	185	4	563,16
B00004003400	34,0	339	190	4	585,08
B00004003450	34,5	339	190	4	602,92
B00004003500	35,0	339	190	4	625,64
B00004003550	35,5	339	190	4	651,62
B00004003600	36,0	344	195	4	680,01
B00004003650	36,5	344	195	4	713,28
B00004003700	37,0	344	195	4	723,82
B00004003750	37,5	344	195	4	793,61
B00004003800	38,0	349	200	4	814,71
B00004003850	38,5	349	200	4	852,03
B00004003900	39,0	349	200	4	890,18
B00004003950	39,5	349	200	4	932,37
B00004004000	40,0	349	200	4	970,51
B00004004100	41,0	354	205	4	1.036,16
B00004004200	42,0	354	205	4	1.172,35
B00004004300	43,0	359	210	4	1.288,62
B00004004400	44,0	359	210	4	1.361,11
B00004004500	45,0	359	210	4	1.500,48
B00004004600	46,0	364	215	4	1.550,65
B00004004700	47,0	364	215	4	1.642,25
B00004004800	48,0	369	220	4	1.699,59
B00004004900	49,0	369	220	4	1.735,43
B00004005000	50,0	369	220	4	1.784,00
B00004005100	51,0	412	225	5	2.145,74
B00004005200	52,0	412	225	5	2.172,82
B00004005300	53,0	412	225	5	2.216,84
B00004005400	54,0	417	230	5	2.342,97
B00004005500	55,0	417	230	5	2.367,51



Mors Konik Saplı Matkap Ucu



Ürün kodu	d1 mm	L1 mm	L2 mm	Mors Konik No	TL/Adet
B00004005600	56,0	417	230	5	2.401,37
B00004005700	57,0	422	235	5	2.474,16
B00004005800	58,0	422	235	5	2.614,67
B00004005900	59,0	422	235	5	2.792,42
B00004006000	60,0	422	235	5	2.792,42
B00004006100	61,0	427	240	5	*
B00004006200	62,0	427	240	5	*
B00004006300	63,0	427	240	5	*
B00004006400	64,0	432	245	5	*
B00004006500	65,0	432	245	5	*
B00004006600	66,0	432	245	5	*
B00004006700	67,0	432	245	5	*
B00004006800	68,0	437	250	5	*
B00004006900	69,0	437	250	5	*
B00004007000	70,0	437	250	5	*
B00004007100	71,0	442	255	5	*
B00004007200	72,0	442	255	5	*
B00004007300	73,0	442	255	5	*
B00004007400	74,0	442	255	5	*
B00004007500	75,0	442	255	5	*
B00004007600	76,0	447	260	5	*
B00004007700	77,0	514	260	5	*
B00004007800	78,0	514	260	5	*
B00004007900	79,0	514	260	5	*
B00004008000	80,0	514	260	5	*
B00004008100	81,0	519	265	5	*
B00004008200	82,0	519	265	5	*
B00004008300	83,0	519	265	5	*
B00004008400	84,0	519	265	5	*
B00004008500	85,0	519	265	5	*
B00004008600	86,0	524	270	5	*
B00004008700	87,0	524	270	5	*
B00004008800	88,0	524	270	5	*
B00004008900	89,0	524	270	5	*
B00004009000	90,0	524	270	5	*

■ Siparişlerinize Termin Verilecektir.

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.



Mors Konik Saplı Matkap Ucu



Ürün kodu	d1 mm	L1 mm	L2 mm	Mors Konik No	TL/Adet
B00008630800	8,00	156	75	1	72,85
B00008630850	8,50	156	75	1	70,44
B00008630900	9,00	162	81	1	64,21
B00008630950	9,50	162	81	1	86,62
B00008631000	10,00	168	87	1	72,67
B00008631050	10,50	168	87	1	73,86
B00008631100	11,00	175	94	1	75,84
B00008631150	11,50	175	94	1	77,59
B00008631200	12,00	182	101	1	79,16
B00008631250	12,50	182	101	1	80,86
B00008631300	13,00	182	101	1	82,98
B00008631350	13,50	189	108	1	94,40
B00008631400	14,00	189	108	1	105,95
B00008631450	14,50	212	114	2	121,86
B00008631500	15,00	212	114	2	123,48
B00008631550	15,50	218	120	2	134,10
B00008631600	16,00	218	120	2	138,60
B00008631650	16,50	223	125	2	142,70
B00008631700	17,00	223	125	2	146,80
B00008631750	17,50	228	130	2	150,44
B00008631800	18,00	228	130	2	157,99
B00008631850	18,50	233	135	2	168,11
B00008631900	19,00	233	135	2	180,65
B00008631950	19,50	238	140	2	192,11
B00008632000	20,00	238	140	2	193,07
B00008632050	20,50	243	145	2	212,28
B00008632100	21,00	243	145	2	215,21
B00008632150	21,50	248	150	2	238,58
B00008632200	22,00	248	150	2	243,46
B00008632250	22,50	253	155	2	266,82
B00008632300	23,00	253	155	2	269,75
B00008632350	23,50	276	155	3	272,65
B00008632400	24,00	281	160	3	298,94
B00008632450	24,50	281	160	3	318,44
B00008632500	25,00	281	160	3	331,08
B00008632550	25,50	286	165	3	372,96
B00008632600	26,00	286	165	3	389,50

Devamı sayfa 80'dedir



Mors Konik Saplı Matkap Ucu



Ürün kodu	d1 mm	L1 mm	L2 mm	Mors Konik No	TL/Adet
B00008632650	26,50	286	165	3	404,12
B00008632700	27,00	291	170	3	427,49
B00008632750	27,50	291	170	3	442,09
B00008632800	28,00	291	170	3	455,72
B00008632850	28,50	296	175	3	473,24
B00008632900	29,00	296	175	3	490,76
B00008632950	29,50	296	175	3	510,25
B00008633000	30,00	296	175	3	527,78
B00008633050	30,50	301	180	3	544,33
B00008633100	31,00	301	180	3	567,71
B00008633150	31,50	301	180	3	585,24
B00008633200	32,00	334	185	4	607,62
B00008633250	32,50	334	185	4	630,04
B00008633300	33,00	334	185	4	653,40
B00008633350	33,50	334	185	4	675,79
B00008633400	34,00	339	190	4	702,10
B00008633450	34,50	339	190	4	723,50
B00008633500	35,00	339	190	4	750,77
B00008633550	35,50	339	190	4	781,94
B00008633600	36,00	344	195	4	816,01
B00008633650	36,50	344	195	4	855,94
B00008633700	37,00	344	195	4	868,58
B00008633750	37,50	344	195	4	952,33
B00008633800	38,00	349	200	4	977,65
B00008633850	38,50	349	200	4	1.022,44
B00008633900	39,00	349	200	4	1.068,22
B00008633950	39,50	349	200	4	1.118,84
B00008634000	40,00	349	200	4	1.164,61
B00008634100	41.00	354	205	4	1.243,39
B00008634200	42.00	354	205	4	1.406,82
B00008634300	43.00	359	210	4	1.546,34
B00008634400	44.00	359	210	4	1.633,33
B00008634500	45.00	359	210	4	1.800,58
B00008634600	46.00	364	215	4	1.860,78
B00008634700	47.00	364	215	4	1.970,70
B00008634800	48.00	369	220	4	2.039,51
B00008634900	49.00	369	220	4	2.082,52
B00008635000	50.00	369	220	4	2.140,80
B00008635100	51.00	412	225	5	*
B00008635200	52.00	412	225	5	*
B00008635300	53.00	412	225	5	*
B00008635400	54.00	417	230	5	*
B00008635500	55.00	417	230	5	*

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Mors Konik Saplı Matkap Ucu

HSS-E

DIN
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h8



Ürün kodu	d1 mm	L1 mm	L2 mm	Mors Konik No	TL/Adet
B00008635600	56.00	417	230	5	*
B00008635700	57.00	422	235	5	*
B00008635800	58.00	422	235	5	*
B00008635900	59.00	422	235	5	*
B00008636000	60.00	422	235	5	*
B00008636100	61.00	427	240	5	*
B00008636200	62.00	427	240	5	*
B00008636300	63.00	427	240	5	*
B00008636400	64.00	432	245	5	*
B00008636500	65.00	432	245	5	*
B00008636600	66.00	432	245	5	*
B00008636700	67.00	432	245	5	*
B00008636800	68.00	437	250	5	*
B00008636900	69.00	437	250	5	*
B00008637000	70.00	437	250	5	*
B00008637100	71.00	442	255	5	*
B00008637200	72.00	442	255	5	*
B00008637300	73.00	442	255	5	*
B00008637400	74.00	442	255	5	*
B00008637500	75.00	442	255	5	*
B00008637600	76.00	447	260	5	*
B00008637700	77.00	514	260	6	*
B00008637800	78.00	514	260	6	*
B00008637900	79.00	514	260	6	*
B00008638000	80.00	514	260	6	*
B00008638100	81.00	519	265	6	*
B00008638200	82.00	519	265	6	*
B00008638300	83.00	519	265	6	*
B00008638400	84.00	519	265	6	*
B00008638500	85.00	519	265	6	*
B00008638600	86.00	524	270	6	*
B00008638700	87.00	524	270	6	*
B00008638800	88.00	524	270	6	*
B00008638900	89.00	524	270	6	*
B00008639000	90.00	524	270	6	*



Mors Konik Saplı Uzun Matkap Ucu



Ürün kodu	d1 mm	L1 mm	L2 mm	Mors Konik No	TL/Adet
B00007301200	12,0	215	134	1	118,51
B00007301250	12,5	215	134	1	120,80
B00007301300	13,0	215	134	1	125,40
B00007301350	13,5	223	142	1	138,52
B00007301400	14,0	223	142	1	142,74
B00007301450	14,5	245	147	2	172,58
B00007301500	15,0	245	147	2	172,58
B00007301600	16,0	251	153	2	183,31
B00007301700	17,0	257	159	2	190,97
B00007301800	18,0	263	165	2	214,75
B00007301900	19,0	269	171	2	235,46
B00007302000	20,0	275	177	2	256,16
B00004422050	20,5	282	184	2	290,68
B00004422100	21,0	282	184	2	263,07
B00004422150	21,5	289	191	2	309,85
B00004422200	22,0	289	191	2	298,35
B00004422250	22,5	296	198	2	325,18
B00004422300	23,0	296	198	2	309,85
B00004422350	23,5	319	198	3	352,04
B00004422400	24,0	327	206	3	375,04
B00004422450	24,5	327	206	3	394,99
B00004422500	25,0	327	206	3	379,64
B00004422550	25,5	335	214	3	452,49
B00004422600	26,0	335	214	3	440,99
B00004422650	26,5	335	214	3	467,84
B00004422700	27,0	343	222	3	467,84
B00004422750	27,5	343	222	3	549,12
B00004422800	28,0	343	222	3	514,63
B00004422850	28,5	351	230	3	556,80
B00004422900	29,0	351	230	3	589,77
B00004422950	29,5	351	230	3	660,34
B00004423000	30,0	351	230	3	605,12
B00004423100	31,0	360	239	3	706,36
B00004423200	32,0	397	248	4	755,44
B00004423300	33,0	397	248	4	767,72

Devamı sayfa 83'dedir

Siparişlerinize Termin Verilecektir.



Mors Konik Saplı Uzun Matkap Ucu



Ürün kodu	d1 mm	L1 mm	L2 mm	Mors Konik No	TL/Adet
B00004423400	34,0	406	257	4	929,52
B00004423500	35,0	406	257	4	949,47
B00004423600	36,0	416	267	4	1.083,69
B00004423700	37,0	416	267	4	1.197,95
B00004423800	38,0	426	277	4	1.197,95
B00004423900	39,0	426	277	4	1.238,60
B00004424000	40,0	426	277	4	1.276,18
B00004424100	41,0	436	287	4	*
B00004424200	42,0	436	287	4	*
B00004424300	43,0	447	298	4	*
B00004424400	44,0	447	298	4	*
B00004424500	45,0	447	298	4	*
B00004424600	46,0	459	310	4	*
B00004424700	47,0	459	310	4	*
B00004424800	48,0	470	321	4	*
B00004424900	49,0	470	321	4	*
B00004425000	50,0	470	321	4	*

Siparişlerinize Termin Verilecektir.

Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.

Hardox Matkap Ucu



Ürün kodu	d1 mm	L1 mm	L2 mm	Mors Konik	TL/Adet
B00002531300	13,0	177	81	2	135,75
B00002531350	13,5	177	81	2	146,86
B00002531400	14,0	182	86	2	169,08
B00002531450	14,5	182	86	2	187,58
B00002531500	15,0	185	89	2	190,68
B00002531550	15,5	185	89	2	201,78
B00002531600	16,0	185	89	2	209,18
B00002531650	16,5	185	89	2	212,26
B00002531700	17,0	188	92	2	223,99
B00002531750	17,5	188	92	2	227,69
B00002531800	18,0	188	92	2	242,51
B00002531850	18,5	211	95	3	256,69
B00002531900	19,0	211	95	3	275,83
B00002531950	19,5	211	95	3	291,87
B00002532000	20,0	211	95	3	291,87
B00002532050	20,5	211	95	3	342,47
B00002532100	21,0	220	105	3	348,64
B00002532150	21,5	220	105	3	383,19
B00002532200	22,0	220	105	3	396,15
B00002532250	22,5	220	105	3	427,62
B00002532300	23,0	220	105	3	438,10
B00002532350	23,5	220	105	3	440,57
B00002532400	24,0	220	105	3	482,53
B00002532450	24,5	223	108	3	511,54
B00002532500	25,0	223	108	3	535,60
B00002532550	25,5	223	108	3	599,16
B00002532600	26,0	223	108	3	628,16
B00002532650	26,5	223	108	3	649,76
B00002532700	27,0	254	124	4	688,62
B00002532750	27,5	254	124	4	710,23
B00002532800	28,0	254	124	4	733,05
B00002532850	28,5	254	124	4	757,74
B00002532900	29,0	254	124	4	789,21
B00002532950	29,5	254	124	4	779,34
B00002533000	30,0	254	124	4	846,59

Devamı sayfa 85'dedir



Hardox Matkap Ucu



Ürün kodu	d1 mm	L1 mm	L2 mm	Mors Konik	TL/Adet
B00002533100	31,0	254	124	4	924,34
B00002533200	32,0	263	133	4	973,09
B00002533250	32,5	263	133	4	1.163,76
B00002533300	33,0	263	133	4	1.203,87
B00002533350	33,5	263	133	4	1.242,74
B00002533400	34,0	276	146	4	1.290,26
B00002533450	34,5	276	146	4	1.335,91
B00002533500	35,0	281	146	4	1.385,28
B00002533550	35,5	281	146	4	1.437,11
B00002533600	36,0	281	146	4	1.497,58
B00002533700	37,0	287	152	4	1.541,46
B00002533800	38,0	287	152	4	1.735,03
B00002533900	39,0	287	152	4	1.895,75
B00002534000	40,0	287	152	4	2.066,83

Siparişlerinize Termin Verilecektir.



Mors Konik Saplı Çok Uzun Matkap Ucu



Ürün kodu	d1 mm	L1 mm	L2 mm	Mors Konik No	TL/Adet
B00007701000	10.0	285	185	1	131,66
B00007701100	11.0	300	195	1	139,38
B00007701200	12.0	310	205	1	147,72
B00007701300	13.0	310	205	1	185,54
B00007701400	14.0	325	220	1	237,63
B00007701500	15.0	340	220	2	260,47
B00007701600	16.0	355	230	2	269,74
B00007701700	17.0	355	230	2	296,86
B00007701800	18.0	370	245	2	341,11
B00007701900	19.0	370	245	2	373,92
B00007702000	20.0	385	260	2	398,90
B00004512100	21.0	385	260	2	*
B00004512200	22.0	405	270	2	*
B00004512300	23.0	405	270	2	*
B00004512400	24.0	440	290	3	*
B00004512500	25.0	440	290	3	*
B00004512600	26.0	440	290	3	*
B00004512700	27.0	460	305	3	*
B00004512800	28.0	460	305	3	*
B00004512900	29.0	460	305	3	*
B00004513000	30.0	460	305	3	*
B00004513100	31.0	480	320	3	*
B00004513200	32.0	505	320	4	*
B00004513300	33.0	505	320	4	*
B00004513400	34.0	530	340	4	*
B00004513500	35.0	530	340	4	*
B00004513600	36.0	530	340	4	*
B00004513700	37.0	530	340	4	*
B00004513800	38.0	555	340	4	*
B00004513900	39.0	555	360	4	*
B00004514000	40.0	555	360	4	*

■ Siparişlerinize Termin Verilecektir.

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.



Mors Konik Saplı Çok Uzun Matkap Ucu



Ürün kodu	d1 mm	L1 mm	L2 mm	Mors Konik No	TL/Adet
B00007731400	14.0	410	275	1	353,33
B00007731500	15.0	425	275	2	388,30
B00007731600	16.0	445	295	2	402,41
B00007731700	17.0	445	295	2	442,48
B00007731800	18.0	465	310	2	507,92
B00007731900	19.0	465	310	2	574,02
B00007732000	20.0	490	325	2	593,79
B00004602100	21.0	490	325	2	*
B00004602200	22.0	515	345	2	*
B00004602300	23.0	515	345	2	*
B00004602400	24.0	555	365	3	*
B00004602500	25.0	555	365	3	*
B00004602600	26.0	555	365	3	*
B00004602700	27.0	580	385	3	*
B00004602800	28.0	580	385	3	*
B00004602900	29.0	580	385	3	*
B00004603000	30.0	580	385	3	*

■ Siparişlerinize Termin Verilecektir.

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.



Silindirik Saplı Çok Kısa Matkap Ucu



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00007800200	2,00	38	12	2,35
B00007800250	2,50	43	14	2,57
B00007800300	3,00	46	16	2,77
B00007800310	3,10	49	18	3,82
B00007800320	3,20	49	18	3,82
B00007800330	3,30	49	18	3,82
B00007800350	3,50	52	20	3,14
B00007800400	4,00	55	22	3,65
B00007800420	4,20	55	22	4,23
B00007800450	4,50	58	24	4,23
B00007800500	5,00	62	26	4,77
B00007800520	5,20	62	26	5,13
B00007800550	5,50	66	28	5,82
B00007800600	6,00	66	28	6,21
B00007800650	6,50	70	31	7,65
B00007800700	7,00	74	34	8,75
B00007800750	7,50	74	34	10,42
B00007800800	8,00	79	37	10,84
B00007800850	8,50	79	37	13,08
B00007800900	9,00	84	40	15,48
B00007800950	9,50	84	40	16,41
B00007801000	10,00	89	43	17,37
B00007801050	10,50	89	43	19,04
B00007801100	11,00	95	47	25,03
B00007801150	11,50	95	47	27,01
B00007801200	12,00	102	51	28,89
B00007801250	12,50	102	51	30,78
B00007801300	13,00	102	51	33,47
B00004671350	13,50	107	54	*
B00004671400	14,00	107	54	*
B00004671450	14,50	111	56	*
B00004671500	15,00	111	56	*
B00004671550	15,50	115	58	*
B00004671600	16,00	115	58	*

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■ Siparişlerinize Termin Verilecektir.

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.



Silindirik Saplı Çok Kısa Matkap Ucu



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00004671650	16,50	119	60	*
B00004671700	17,00	119	60	*
B00004671750	17,50	123	62	*
B00004671800	18,00	123	62	*
B00004671850	18,50	127	64	*
B00004671900	19,00	127	64	*
B00004671950	19,50	131	66	*
B00004672000	20,00	131	66	*

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.



Çift Taraflı Matkap Ucu (Karoseri Matkap Ucu)



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00008770200	2,0	38	8	3,69
B00008770250	2,5	43	10	3,85
B00008770300	3,0	46	11	4,06
B00008770310	3,1	49	11	5,36
B00008770320	3,2	49	11	5,36
B00008770330	3,3	49	11	4,98
B00008770350	3,5	52	14	4,60
B00008770400	4,0	55	14	5,54
B00008770420	4,2	55	14	6,04
B00008770450	4,5	58	17	6,45
B00008770500	5,0	62	17	6,95
B00008770520	5,2	62	17	8,11
B00008770550	5,5	66	19	9,17
B00008770600	6,0	66	19	9,62

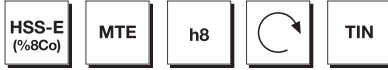


Punta Çürütme Matkap Ucu - Kısa (Havalı Tabancalar İçin)



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00005990342	6,0	44	17	20,51
B00005990344	8,0	40	18,5	25,64
B00005990301	8,0	44	18,5	25,64

Punta Çürütme Matkap Ucu - Kısa- TIN Kaplama
(Havalı Tabancalar İçin)



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B10005990342	6,0	44	17	23,59
B10005990344	8,0	40	18,5	29,49
B10005990301	8,0	44	18,5	29,49

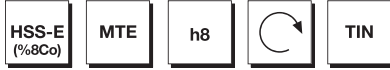


Punta Çürütme Matkap Ucu - Uzun (El Breyzi İçin)



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B00005990317	6,0	66	27	20,51
B00005990341	7,0	74	34	32,09
B00005990300	8,0	79	36	25,64

Punta Çürütme Matkap Ucu - Uzun - TIN Kaplama
(El Breyzi İçin)



Ürün kodu	d1 mm	L1 mm	L2 mm	TL/Adet
B10005990317	6,0	66	27	23,59
B10005990341	7,0	74	34	36,90
B10005990300	8,0	79	36	29,49



Punta Matkabı - Form A



Ürün kodu	d1 mm	d2 (h9) mm	L1 mm	L2 mm	TL/Adet
B00010010100	1,00	3,15	31,5	1,3	10,67
B00010010125	1,25	3,15	31,5	1,6	10,67
B00010010160	1,60	4,00	35,5	2,0	11,28
B00010010200	2,00	5,00	40,0	2,5	14,26
B00010010250	2,50	6,30	45,0	3,1	18,15
B00010010315	3,15	8,00	50,0	3,9	21,02
B00010010400	4,00	10,00	56,0	5,0	27,55
B00010010500	5,00	12,50	63,0	6,3	39,42
B00010010630	6,30	16,00	71,0	8,0	74,99
B00010010800	8,00	20,00	80,0	10,1	129,78
B00010011000	10,00	25,00	100,0	12,8	254,64
B00010011250	12,50	31,50	125,0	16,5	409,87

Punta Matkabı - Form A

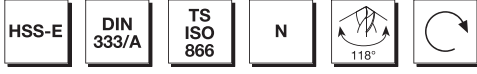


Ürün kodu	d1 mm	d2 (h9) mm	L1 mm	L2 mm	TL/Adet
B10010010100	1,00	3,15	31,5	1,3	14,91
B10010010125	1,25	3,15	31,5	1,6	14,91
B10010010160	1,60	4,00	35,5	2,0	15,52
B10010010200	2,00	5,00	40,0	2,5	18,90
B10010010250	2,50	6,30	45,0	3,1	25,59
B10010010315	3,15	8,00	50,0	3,9	28,46
B10010010400	4,00	10,00	56,0	5,0	36,35
B10010010500	5,00	12,50	63,0	6,3	50,86
B10010010630	6,30	16,00	71,0	8,0	90,43
B10010010800	8,00	20,00	80,0	10,1	151,78
B10010011000	10,00	25,00	100,0	12,8	288,24
B10010011250	12,50	31,50	125,0	16,5	486,19

İSTEK HALİNDE SOL KESİCİ OLARAK ÜRETİLEBİLİR.

Siparişlerinize Termin Verilecektir.

Punta Matkabı - Form A HSS-E



Ürün kodu	d1 mm	d2 (h9) mm	L1 mm	L2 mm	TL/Adet
B00010110100	1,00	3,15	31,5	1,3	13,87
B00010110125	1,25	3,15	31,5	1,6	13,87
B00010110160	1,60	4,0	35,5	2,0	14,66
B00010110200	2,00	5,0	40,0	2,5	17,35
B00010110250	2,50	6,3	45,0	3,1	22,08
B00010110315	3,15	8,0	50,0	3,9	25,59
B00010110400	4,00	10,0	56,0	5,0	33,55
B00010110500	5,00	12,5	63,0	6,3	48,00
B00010110630	6,30	16,0	71,0	8,0	91,31
B00010110800	8,00	20,0	80,0	10,1	168,71
B00010111000	10,00	25,0	100,0	12,8	331,03
B00010111250	12,50	31,50	125,0	16,5	532,83

Punta Matkabı - Form A HSS-E



Ürün kodu	d1 mm	d2 (h9) mm	L1 mm	L2 mm	TL/Adet
B10010110100	1,00	3,15	31,5	1,3	18,11
B10010110125	1,25	3,15	31,5	1,6	18,11
B10010110160	1,60	4,00	35,5	2,0	18,90
B10010110200	2,00	5,00	40,0	2,5	21,99
B10010110250	2,50	6,30	45,0	3,1	29,52
B10010110315	3,15	8,00	50,0	3,9	33,03
B10010110400	4,00	10,00	56,0	5,0	42,35
B10010110500	5,00	12,50	63,0	6,3	59,44
B10010110630	6,30	16,00	71,0	8,0	106,75
B10010110800	8,00	20,00	80,0	10,1	190,71
B10010111000	10,00	25,00	100,0	12,8	364,63
B10010111250	12,50	31,50	125,0	16,5	609,15

İSTEK HALİNDE SOL KESİCİ OLARAK ÜRETİLEBİLİR.

■ Siparişlerinize Termin Verilecektir.



Punta Matkabi - Form B



Ürün kodu	d1 mm	d2 (h9) mm	d3 mm	L1 mm	L2 mm	TL/Adet
B00010000100	1,00	4,0	2,12	35,5	1,3	22,94
B00010000125	1,25	5,0	2,65	40,0	1,6	22,94
B00010000160	1,60	6,3	3,35	45,0	2,0	24,21
B00010000200	2,00	8,0	4,25	50,0	2,5	30,68
B00010000250	2,50	10,0	5,30	56,0	3,1	39,17
B00010000315	3,15	11,2	6,70	60,0	3,9	39,32
B00010000400	4,00	14,0	8,50	67,0	5,0	84,43
B00010000500	5,00	18,0	10,60	75,0	6,3	107,02
B00010000630	6,30	20,0	13,20	80,0	8,0	147,20
B00010000800	8,00	25,0	17,00	100,0	10,1	233,58
B00010001000	10,00	31,5	21,20	125,0	12,8	544,42

İSTEK HALİNDE SOL KESİCİ OLARAK ÜRETİLEBİLİR.

■ Siparişlerinize Termin Verilecektir.

Punta Matkabi - Form R



Ürün kodu	d1 mm	d2 (h9) mm	L1 mm	L2 mm	TL/Adet
B00010020200	2,00	5,0	40,0	2,5	19,36
B00010020250	2,50	6,3	45,0	3,1	24,90
B00010020315	3,15	8,0	50,0	3,9	28,64
B00010020400	4,00	10,0	56,0	5,0	37,55
B00010020500	5,00	12,5	63,0	6,3	53,67
B00010020630	6,30	16,0	71,0	8,0	102,18
B00010020800	8,00	20,0	80,0	10,1	176,65
B00010021000	10,00	25,0	100,0	12,8	416,16

İSTEK HALİNDE SOL KESİCİ OLARAK ÜRETİLEBİLİR.

■ Siparişlerinize Termin Verilecektir.



Punta Matkabı Uzun HSS



Ürün kodu	d1 mm	d2 (h9) mm	L1 mm	L2 mm	TL/Adet
B00010420100	2,00	6,0	100	2,5	37,69
B00010425100	2,50	8,0	100	3,1	37,69
B00010430100	3,15	8,0	100	3,7	41,57
B00010440100	4,00	10,0	100	5,0	44,88
B00010450100	5,00	12,5	100	6,3	54,94
B00010420120	2,00	6,0	120	2,5	40,50
B00010425120	2,50	8,0	120	3,1	40,50
B00010430120	3,15	8,0	120	3,7	44,70
B00010440120	4,00	10,0	120	5,0	48,25
B00010450120	5,00	12,5	120	6,3	59,06

Punta Matkabı Uzun HSS-E



Ürün kodu	d1 mm	d2 (h9) mm	L1 mm	L2 mm	TL/Adet
B00010520100	2,00	6,0	100	2,5	43,34
B00010525100	2,50	8,0	100	3,1	43,34
B00010530100	3,15	8,0	100	3,7	47,80
B00010540100	4,00	10,0	100	5,0	51,61
B00010550100	5,00	12,5	100	6,3	63,18
B00010520120	2,00	6,0	120	2,5	46,58
B00010525120	2,50	8,0	120	3,1	46,58
B00010530120	3,15	8,0	120	3,7	51,40
B00010540120	4,00	10,0	120	5,0	55,49
B00010550120	5,00	12,0	120	6,3	67,92

İSTEK HALİNDE SOL KESME YÖNLÜ OLARAK ÜRETİLEBİLİR.

■ Siparişlerinize Termin Verilecektir.



Punta Matkabi Uzun HSS-E



Ürün kodu	d1 mm	d2 (h9) mm	L1 mm	L2 mm	TL/Adet
B10010520100	2,00	6,0	100	2,5	48,78
B10010525100	2,50	8,0	100	3,1	50,78
B10010530100	3,15	8,0	100	3,7	55,24
B10010540100	4,00	10,0	100	5,0	60,41
B10010550100	5,00	12,5	100	6,3	73,18
B10010520120	2,00	6,0	120	2,5	53,38
B10010525120	2,50	8,0	120	3,1	55,90
B10010530120	3,15	8,0	120	3,7	60,72
B10010540120	4,00	10,0	120	5,0	66,49
B10010550120	5,00	12,5	120	6,3	80,44

Kademeli Matkap Ucu



Ürün kodu	d1 mm	d2 mm	d2 mm	L1 mm	L2 mm	L2 mm	TL/Adet	
B20008660400	M4	3.4	4.3	8	63	16	1.6	*
B20008660500	M5	4.3	5.3	10	67	18	2.15	171,11
B20008660600	M6	5.1	6.4	12	71	21	2.9	188,80
B20008660800	M8	6.9	8.4	14	88	25	3.5	244,30
B20008661000	M10	8.7	10.5	16	94	30	4.7	271,15
B20008661200	M12	10.4	13	20	105	35	6.5	307,70
B20008661600	M16	14.2	17	25	132	40	8.3	417,00
B20008662000	M20	17.7	21	31.5	145	45	10.35	524,00
B20008662400	M24	21.2	25	40	160	52	12	*

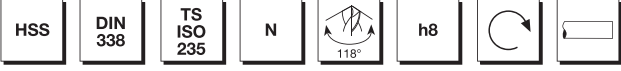
İSTEK HALİNDE HSS-E (%5 co) OLARAK ÜRETİLEBİLİR.

■ Siparişlerinize Termin Verilecektir.

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.



Silindirik Saplı Kısa Matkap Ucu - HADDELE İ SET



Kullanım Yeri: Sıcak haddeleme teknolojisi ile üretilir. Yüksek burulma momenti ve elastikiyeti sayesinde düşük alaşımli çelik, döküm, metal ve metal olmayan malzemeleri özellikle el breyziyle serbest delmede ve konvansiyel tezgahlarda çalışmaya uygundur.



Ø1 - Ø10 Arası
+0,5 Matkap Ucu
19'lu Set



Ø1 - Ø13 Arası
+0,5 Matkap Ucu
25'li Set

Ürün kodu	d1 mm	L1 mm	TL/Adet
B00000210010	Ø1 - Ø10 Arası +0,5 Matkap Ucu 19'lu Set		149,50
B00000210013	Ø1 - Ø13 Arası +0,5 Matkap Ucu 25'li Set		314,13



KILAVUZLAR



MAKINA TAKIM ENDÜSTRİSİ A.Ş.



Kılavuzlar İçin Kullanılması Gereken Matkap Çapları

METRİK ISO VİDALAR DIN 13		İNÇE VİDA UNF - NF		METRİK ISO TRAPEZ VİDA DIN 103			WHITWORTH BORU VİDA DIN11	
Anma çapı (mm)	Matkap çapı (mm)	Anma çapı (inch)	Matkap çapı (mm)	Anma çapı (inch)	Hatve (mm)	Matkap çapı (mm)	Anma çapı (inch)	Matkap çapı (mm)
M 1x0,25	0,75	Nr. 0	1,25	Tr 8	1,5	6,60	G 1/8"	8,80
M 1,1x0,25	0,85	Nr. 1	1,55	Tr 10	1,5	8,60	G1/4"	11,80
M 1,2x0,25	0,95	Nr. 2	1,90	Tr 10	2	8,20	G 3/8"	15,25
M 1,4x0,3	1,10	Nr. 3	2,15	Tr 10	3	7,50	G 1/2"	19,00
M 1,6x0,35	1,25	Nr. 4	2,40	Tr 12	2	10,20	G 5/8"	21,00
M 1,7x0,35	1,30	Nr. 5	2,70	Tr 12	3	9,25	G 3/4"	24,50
M 1,8x0,35	1,45	Nr. 6	2,95	Tr 14	2	12,20	G 7/8"	28,25
M 2x0,4	1,60	Nr. 8	3,50	Tr 14	3	11,25	G 1"	30,75
M 2,2x0,45	1,75	Nr.10	4,10	Tr 14	4	12,25	G 1 1/8"	35,50
M 2,3x0,4	1,90	Nr.12	4,70	Tr 16	4	12,25	G 1 1/4"	39,00
M 2,5x0,45	2,05	1/4"	5,50	Tr 18	4	14,25	G 1 3/8"	42,50
M 2,6x0,45	2,10	5/16"	6,90	Tr 20	4	16,25	G 1 1/2"	45,50
M 3x0,5	2,50	3/8"	8,50	Tr 22	5	17,25	G 1 3/4"	51,00
M 3,5x0,6	2,90	7/16"	9,90	Tr 24	5	19,25	G 2"	57,00
M 4x0,7	3,30	1/2"	11,50	Tr 26	5	21,25	G 2 1/4"	63,00
M 4,5x0,75	3,70	9/16"	12,90	Tr 28	5	23,25	G 2 1/2"	72,50
M 5x0,8	4,20	5/8"	14,50	Tr 30	6	24,25	G 2 3/4"	79,00
M 5,5x0,9	4,60	3/4"	17,50	Tr 32	6	26,25	G 3"	85,50
M 6x1	5,00	7/8"	20,50	Tr 36	6	30,25	G 3 1/4"	91,50
M 7x1	6,00	1"	23,25	Tr 38	7	31,50	G 3 1/2"	98,00
M 8x1,25	6,80	1 1/8"	26,50	Tr 40	7	33,50	G 3 3/4"	104,00
M 9x1,25	7,80	1 1/4"	29,50	Tr 44	7	37,50	G 4"	110,50
M 10x1,5	8,50	1 1/2"	36,00	Tr 48	8	40,50		
M 11x1,5	9,50			Tr 50	8	42,50		
M 12x1,75	10,20			Tr 52	8	44,50		
M 14x2	12,00							
M 16x2	14,00							
M 18x2,5	15,50							
M 20x2,5	17,50							
M 22x2,5	19,50							
M 24x3	21,00							
M 27x3	24,00							
M 30x3,5	26,50							
M 33x3,5	29,50							
M 36x4	32,00							
M 39x4	35,00							
M 42x4,5	37,50							
M 45x4,5	40,50							
M 48x5	43,00							
M 52x5	47,00							
M 56x5,5	50,50							
M 60x5,5	54,50							
M 64x6	58,00							
M 68x6	62,00							
KABA VİDA UNC - NC		METRİK İNÇE ISO VİDALAR DIN 13		PG VİDA DIN 40430			WHITWORTH VİDA DIN 11	
Anma çapı (inch)	Matkap çapı (mm)	Anma çapı (mm)	Matkap çapı (mm)	Anma çapı (inch)	Matkap çapı (mm)	Anma çapı (inch)	Matkap çapı (mm)	
Nr. 1	1,55	M 4x0,35	3,60	Pg 7.0	11,40	1/16"	1,15	
Nr. 2	1,85	M 4x0,5	3,50	Pg 9.0	14,00	1/8"	2,55	
Nr. 3	2,10	M 5x0,5	4,50	Pg 11.0	17,30	3/16"	3,70	
Nr. 4	2,35	M 6x0,5	5,50	Pg 13.5	19,00	1/4"	5,10	
Nr. 5	2,65	M 6x0,75	5,25	Pg 16.0	21,30	5/16"	6,50	
Nr. 6	2,85	M 7x0,75	6,25	Pg 21.0	26,90	3/8"	7,90	
Nr. 8	3,45	M 8x0,5	7,50	Pg 29.0	35,50	1/2"	9,30	
Nr.10	3,90	M 8x0,75	7,25	Pg 36.0	45,50	9/16"	12,10	
Nr.12	4,50	M 8x1	7,00	Pg 42.0	52,50	5/8"	13,50	
1/4"	5,20	M 9x1	8,00	Pg 48.0	57,80	11/16"	15,00	
5/16"	6,60	M 10x0,75	9,25			3/4"	16,25	
3/8"	8,00	M 10X1	9,00			13/16"	18,00	
7/16"	9,40	M 10x1.25	8,80			7/8"	19,25	
1/2"	10,80	M 11x1	10,00			15/16"	21,00	
9/16"	12,20	M 12x0,75	11,25			1"	22,00	
5/8"	13,50	M 12x1	11,00			1 1/8"	24,75	
3/4"	16,50	M 12x1,5	10,50			1 1/4"	28,00	
7/8"	19,50	M 13x1	12,00			1 3/8"	30,00	
1"	22,25	M 14x1	13,00			1 1/2"	33,50	
1 1/8"	25,00	M 14x1.25	12,80			1 5/8"	35,50	
1 1/4"	28,00	M 14x1,5	12,50			1 3/4"	39,00	
1 1/2"	34,00	M 16x1	15,00			1 7/8"	41,50	
		M 16x1,5	14,50			2"	44,50	
		M 18x1	17,00					
		M 18x2	16,00					
		M 20x1	19,00					
		M 20x1,5	18,50					
		M 20x2	18,00					
		M 22x1	21,00					
		M 22x1,5	20,50					
		M 22x2	20,00					
		M 24x1,5	22,50					
		M 24x2	22,00					
		M 25x1,5	23,50					
		M 26x1,5	24,50					
		M 27x1,5	25,50					
		M 27x2	25,00					
		M 28x1,5	26,50					
		M 30x1,5	28,50					
		M 30x2	28,00					
		M 30x3	27,00					
		M 32x1,5	30,50					
		M 32x2	30,00					
		M 33x1,5	31,50					
		M 33x2	31,00					
		M 33x3	30,00					
		M 35x1,5	33,50					
		M 36x1,5	34,50					



Ovalama Kılavuzu Ölçüleri İçin Kullanılması Gereken Matkap Çapları

METRİK ISO VİDALAR DIN 13		METRİK İNCE ISO VİDALAR DIN 13		İNCE VİDA UNF - NF		G (BSP) BORU VİDASI	
Anma çapı (mm)	Matkap çapı (mm)	Anma çapı (mm)	Matkap çapı (mm)	Anma çapı (inch)	Matkap çapı (mm)	Anma çapı (inch)	Matkap çapı (mm)
M 1x0,25	0,90			Nr. 0x80	1,35	1/16"	7,25
M 1,2x0,25	1,10	M 3x0,35	2,85	Nr. 1x72	1,70	1/8"	9,20
M 1,4x0,3	1,25	M 4x0,35	3,85	Nr. 2x64	2,00	1/4"	12,40
M 1,6x0,35	1,45	M 4x0,5	3,80	Nr. 3x56	2,30	3/8"	15,90
M 1,7x0,35	1,55	M 5x0,5	4,80	Nr. 4x48	2,60	1/2"	19,90
M 1,8x0,35	1,65	M 6x0,5	5,80	Nr. 5x44	2,90	5/8"	21,90
M 2x0,4	1,80	M 6x0,75	5,65	Nr. 6x40	3,20	3/4"	25,40
M 2,2x0,45	2,00	M 7x0,75	6,65	Nr. 8x36	3,85	7/8"	29,25
M 2,3x0,4	2,10	M 8x0,5	7,80	Nr.10x32	4,45	1"	32,00
M 2,5x0,45	2,30	M 8x0,75	7,65	Nr.12x28	5,10		
M 2,6x0,45	2,40	M 8x1,0	7,55	1/4"x28	5,90		
M 3x0,5	2,80	M 9x1,0	8,55	5/16"x24	7,45		
M 3,5x0,6	3,25	M 10x0,75	9,65	3/8"x24	9,00		
M 4x0,7	3,70	M 10x1,0	9,55	7/16"x20	10,50		
M 4,5x0,75	4,15	M 10x1,25	9,40	1/2"x20	12,10		
M 5x0,8	4,65	M 11x1,0	10,50	9/16"x18	13,60		
M 5,5x0,9	5,05	M 12x0,75	11,70	5/8"x18	15,20		
M 6x1,0	5,55	M 12x1,0	11,50	3/4"x16	18,30		
M 7x1,0	6,55	M 12x1,25	11,40	7/8"x14	21,30		
M 8x1,25	7,40	M 12x1,5	11,30	1"x12	24,30		
M 9x1,25	8,40	M 13x1,0	12,50				
M 10x1,5	9,30	M 14x1,0	13,50				
M 11x1,5	10,30	M 14x1,25	13,40				
M 12x1,75	11,20	M 14x1,5	13,30				
M 14x2,0	13,10	M 15x1,0	14,50				
M 16x2,0	15,10	M 15x1,5	14,30				
M 18x2,5	16,90	M 16x1,0	15,50				
M 20x2,5	18,90	M 16x1,5	15,30				
M 22x2,5	20,90	M 18x1,0	17,50				
M 24x3,0	22,65	M 18x1,5	17,30				
		M 18x2,0	17,00				
		M 20x1,0	19,50				
		M 20x1,5	19,30				
		M 20x2,0	19,00				
		M 22x1,5	21,30				
		M 22x2,0	21,00				
		M 24x1,50	23,30				
		M 24x2,0	23,00				
		M 25x1,5	24,30				
		M 26x1,5	25,30				
		M 27x2,0	26,00				
		M 28x1,5	27,25				
		M 30x1,5	29,25				
		M 30x2,0	29,00				
		Anma çapı (inch)	Matkap çapı (mm)	Anma çapı (inch)	Matkap çapı (mm)		
		Nr. 1x64	1,67	3/32"x48	2,10		
		Nr. 2x56	1,95	1/8"x40	2,85		
		Nr. 3x48	2,25	5/32"x32	3,55		
		Nr. 4x40	2,55	3/16"x24	4,20		
		Nr. 5x40	2,90	1/4"x20	5,70		
		Nr. 6x32	3,10	5/16"x18	7,20		
		Nr. 8x32	3,80	3/8"x16	8,70		
		Nr.10x24	4,30	7/16"x14	10,20		
		Nr.12x24	4,95	1/2"x12	11,60		
		1/4"x20	5,75	9/16"x12	13,20		
		5/16x18	7,25	5/8"x11	14,70		
		3/8"x16	8,80	11/16"x11	16,25		
		7/16"x14	10,20	3/4"x10	17,70		
		1/2"x13	11,70	7/8"x9	20,75		
		9/16"x12	13,20	1"x8	23,75		
		5/8"x11	14,70				
		3/4"x10	17,80				
		7/8"x9	20,90				
		1"x8	24,00				



Metrik Normal Vidalı 3'lü Takım Kılavuzu



Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	k (h12) mm	TL/Adet
B00100040200	M2	0,4	36	8	2,8	2,1	91,83
B00100040250	M2,5	0,45	40	9	2,8	2,1	91,83
B00100040300	M3	0,5	40	11	3,5	2,7	55,72
B00100040350	M3,5	0,6	45	13	4,0	3,0	83,41
B00100040400	M4	0,7	45	13	4,5	3,4	55,72
B00100040450	M4.5	0,75	50	16	6,0	4,9	92,33
B00100040500	M5	0,8	50	16	6,0	4,9	56,63
B00100040600	M6	1	56	19	6,0	4,9	59,81
B00100040700	M7	1	56	19	6,0	4,9	82,16
B00100040800	M8	1,25	63	22	6,0	4,9	65,98
B00100040900	M9	1,25	63	22	7,0	5,5	114,67
B00100041000	M10	1,5	70	24	7,0	5,5	89,24
B00100041100	M11	1,5	70	24	8,0	6,2	151,30
B00100041200	M12	1,75	75	28	9,0	7,0	119,85
B00100041400	M14	2	80	30	11,0	9,0	141,87
B00100041600	M16	2	80	32	12,0	9,0	171,81
B00100041800	M18	2,5	95	34	14,0	11,0	246,88
B00100042000	M20	2,5	95	34	16,0	12,0	277,73
B00100042200	M22	2,5	100	34	18,0	14,5	369,49
B00100042400	M24	3	110	38	18,0	14,5	437,02
B00100042600	M26	3	110	38	20,0	16,0	830,67
B00100042700	M27	3	110	38	20,0	16,0	722,24
B00100042800	M28	3	110	38	20,0	16,0	1.034,15
B00100043000	M30	3,5	125	45	22,0	18,0	906,33
B00100043300	M33	3,5	125	50	25,0	20,0	1.114,16
B00100043600	M36	4	150	56	28,0	22	1.307,72
B00100043900	M39	4	150	60	32	24	*
B00100044200	M42	4,5	150	60	32	24	1.842,90
B00100044500	M45	4,5	160	65	36	29	2.177,84
B00100044800	M48	5	180	70	36	29	2.422,72
B00100045200	M52	5	180	70	40	32	*
B00100045600	M56	5,5	180	70	40	32	*

■ Siparişlerinize Termin Verilecektir.

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.



Metrik Normal Vidalı 3'lü Takım Kılavuzu

HSS-E

DIN
352

TS
82/1

M



6H



Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	k (h12) mm	TL/Adet
B00109130300	M3	0,5	40	11	3,5	2,7	63,31
B00109130400	M4	0,7	45	13	4,5	3,4	63,31
B00109130500	M5	0,8	50	16	6,0	4,9	64,36
B00109130600	M6	1	56	19	6,0	4,9	67,70
B00109130800	M8	1,25	63	22	6,0	4,9	74,87
B00109131000	M10	1,5	70	24	7,0	5,5	101,07
B00109131200	M12	1,75	75	28	9,0	7,0	138,11
B00109131400	M14	2	80	30	11,0	9,0	163,28
B00109131600	M16	2	80	32	12,0	9,0	196,74
B00109132000	M20	2,5	95	34	16	12	318,57
B00109132400	M24	3	110	38	18	14,5	502,60
B00109132700	M27	3	110	38	20	16	830,60
B00109133000	M30	3,5	125	45	22	18	1.042,50

■ Siparişlerinize Termin Verilecektir.



Metrik Normal Vidalı 3'lü Takım Kılavuzu (1 Nr. Pilotlu)

HSS-E

DIN
352

TS
82/1

M



6H



Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	k (h12) mm	TL/Adet
B00109490300	M3	0,5	40	11	3,5	2,7	73,41
B00109490400	M4	0,7	45	13	4,5	3,4	73,41
B00109490500	M5	0,8	50	16	6,0	4,9	74,45
B00109490600	M6	1	56	19	6,0	4,9	78,55
B00109490700	M7	1	56	19	6,0	4,9	108,23
B00109490800	M8	1,25	63	22	6,0	4,9	86,84
B00109490900	M9	1,25	63	22	7,0	5,5	150,99
B00109491000	M10	1,5	70	24	7,0	5,5	117,48
B00109491100	M11	1,5	70	24	8,0	6,2	201,80
B00109491200	M12	1,75	75	28	9,0	7,0	159,43
B00109491400	M14	2	80	30	11,0	9,0	188,94
B00109491600	M16	2	80	32	12,0	9,0	228,33
B00109491800	M18	2,5	95	34	14,0	11,0	328,01
B00109492000	M20	2,5	95	34	16,0	12,0	369,02
B00100042200	M22	2,5	100	34	18,0	14,5	*
B00100042400	M24	3	110	38	18,0	14,5	*
B00100042600	M26	3	110	38	20,0	16,0	*
B00100042700	M27	3	110	38	20,0	16,0	*
B00100042800	M28	3	110	38	20,0	16,0	*
B00100043000	M30	3,5	125	45	22,0	18,0	*

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.



Whitworth Normal Vidalı 3'lü Takım Kılavuzu



Ürün kodu	d1 BSW	P adım G/Inch	L1 mm	L2 mm	d2 mm	k (h12) mm	TL/Adet
B00100100317	W 1/8"	40	40	11	3,5	2,7	81,60
B00100100397	W 5/32"	32	45	13	4,5	3,4	96,68
B00100100476	W 3/16"	24	50	16	6,0	4,9	86,76
B00100100556	W 7/32"	24	50	16	6,0	4,9	105,14
B00100100635	W 1/4"	20	50	19	6,0	4,9	89,53
B00100100794	W 5/16"	18	56	22	6,0	4,9	97,80
B00100100952	W 3/8"	16	70	24	7,0	5,5	117,46
B00100101111	W 7/16"	14	70	24	8,0	6,2	147,74
B00100101270	W 1/2"	12	75	29	9,0	7,0	178,53
B00100101429	W 9/16"	12	80	30	11,0	9,0	231,13
B00100101587	W 5/8"	11	80	32	12,0	9,0	262,19
B00100101905	W 3/4"	10	95	40	14,0	11,0	363,95
B00100102222	W 7/8"	9	100	40	18,0	14,5	486,41
B00100102540	W 1"	8	110	50	20,0	16,0	593,34
B00100102857	W 1 1/8"	7	125	56	22	18,0	*
B00100103175	W 1 1/4"	7	125	56	25	20	*
B00100103492	W 1 3/8"	6	150	63	28	22	*
B00100103810	W 1 1/2"	6	150	63	32	24	*
B00100104445	W 1 3/4"	5	160	70	36	29	*
B00100105080	W 2"	4 1/2	180	75	40	32	*

■ Siparişlerinize Termin Verilecektir.

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.



USA Normal Vidalı 3'lü Takım Kılavuzu - UNC



Ürün kodu	d1 UNC	P adım G/Inch	L1 mm	L2 mm	d2 mm	k (h12) mm	TL/Adet
B00100140350	Nr. 6	32	45	13	4,0	3,0	87,79
B00100140417	Nr. 8	32	45	13	4,5	3,4	87,79
B00100140483	Nr. 10	24	50	16	6,0	4,9	91,77
B00100140549	Nr. 12	24	50	16	6,0	4,9	97,90
B00100140635	1/4"	20	50	19	6,0	4,9	92,63
B00100140794	5/16"	18	56	22	6,0	4,9	104,19
B00100140952	3/8"	16	70	24	7,0	5,5	126,08
B00100141111	7/16"	14	70	24	8,0	6,2	152,22
B00100141270	1/2"	13	75	29	9,0	7,0	174,22
B00100141429	9/16"	12	80	30	11,0	9,0	248,38
B00100141587	5/8"	11	80	32	12,0	9,0	239,76
B00100141905	3/4"	10	95	40	14,0	11,0	345,83
B00100142222	7/8"	9	100	40	18,0	14,5	496,76
B00100142540	1"	8	110	50	20,0	16,0	629,56
B00100143175	1 1/4"	7	125	56	25,0	20,0	*
B00100143810	1 1/2"	6	150	63	32,0	24,0	*
B00100144445	1 3/4"	5	160	70	36,0	29,0	*
B00100145080	2"	4 1/2	180	75	40,0	32,0	*

■ Siparişlerinize Termin Verilecektir.

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.



Metrik İnce Vidalı 2'li Takım Kılavuzu



Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	k (h12) mm	TL/Adet
B00102030302	M 3	0.35	40	8	3,5	2,7	*
B00102030352	M 3,5	0.35	45	9	4	3,0	*
B00102030402	M 4	0.35	45	10	4,5	3,4	*
B00102030403	M 4	0.5	45	10	4,5	3,4	*
B00102030503	M 5	0.5	50	12	6	4,9	*
B00102030603	M 6	0.5	56	14	6	4,9	*
B00102030604	M 6	0.75	56	14	6	4,9	85,97
B00102030803	M 8	0.5	56	18	6	4,9	*
B00102030804	M 8	0.75	56	18	6	4,9	105,88
B00102030805	M 8	1	63	22	6	4,9	90,75
B00102031000	M 10	1.25	70	24	7	5,5	124,94
B00102031003	M 10	0.5	63	20	7	5,5	*
B00102031004	M 10	0.75	63	20	7	5,5	*
B00102031005	M 10	1	63	20	7	5,5	103,41
B00102031100	M 11	1.25	63	20	7	5,5	*
B00102031105	M 11	1	63	20	8	6,2	*
B00102031200	M 12	1.25	70	22	9	7,0	142,21
B00102031205	M 12	1	70	22	9	7,0	120,66
B00102031206	M 12	1.5	70	22	9	7,0	111,95
B00102031400	M 14	1.25	70	22	11	9,0	159,30
B00102031405	M 14	1	70	22	11	9,0	168,36
B00102031406	M 14	1.5	70	22	11	9,0	142,21
B00102031505	M 15	1	70	22	12	9,0	*
B00102031506	M 15	1.5	70	22	12	9,0	*
B00102031605	M 16	1	70	22	12	9,0	190,58
B00102031606	M 16	1.5	70	22	12	9,0	159,30
B00102031805	M 18	1	80	22	14	11,0	248,68
B00102031806	M 18	1.5	80	22	14	11,0	199,12
B00102031808	M 18	2	80	22	14	11,0	272,78
B00102032005	M 20	1	80	22	16	12,0	280,30
B00102032006	M 20	1.5	80	22	16	12,0	221,35
B00102032008	M 20	2	80	22	16	12,0	302,53
B00102032205	M 22	1	80	22	18	14,5	378,58
B00102032206	M 22	1.5	80	22	18	14,5	322,18
B00102032208	M 22	2	80	22	18	14,5	378,58
B00102032405	M 24	1	90	22	18	14,5	433,29
B00102032406	M 24	1.5	90	22	18	14,5	366,62

■ Siparişlerinize Termin Verilecektir.

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.

Devamı sayfa 108'dedir



Metrik İnce Vidalı 2'li Takım Kılavuzu



Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	k (h12) mm	TL/Adet
B00102032408	M 24	2	90	22	18	14,5	393,97
B00102032506	M 25	1.5	90	22	18	14,5	501,65
B00102032606	M 26	1.5	90	22	18	14,5	516,17
B00102032608	M 26	2	90	22	18	14,5	516,17
B00102032706	M 27	1.5	90	22	20	16,0	530,70
B00102032708	M 27	2	90	22	20	16,0	579,40
B00102032806	M 28	1.5	90	22	20	16,0	575,13
B00102032808	M 28	2	90	22	20	16,0	597,35
B00102033006	M 30	1.5	90	22	22	18,0	590,03
B00102033008	M 30	2	90	22	22	18,0	666,62
B00102033206	M 32	1.5	90	22	22	18,0	*
B00102033208	M 32	2	90	22	22	18,0	*
B00102033308	M 33	2	100	25	25	20,0	902,46
B00102033406	M 34	1.5	100	25	28	22,0	*
B00102033506	M 35	1.5	100	25	28	22,0	*
B00102033606	M 36	1.5	100	25	28	22,0	1.028,66
B00102033608	M 36	2	125	40	28	22,0	*

Siparişlerinize Termin Verilecektir.

Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.



USA İnce Vidalı 2'li Takım Kılavuzu - UNF



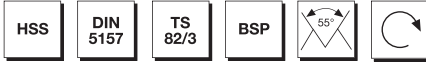
Ürün kodu	d1 UNF	P adım G/Inch	L1 mm	L2 mm	d2 mm	k (h12) mm	TL/Adet
B00102060350	Nr. 6	40	45	12	4	3,0	*
B00102060417	Nr. 8	36	50	12	6	4,9	*
B00102060483	Nr. 10	32	50	12	6	4,9	*
B00102060549	Nr. 12	28	50	14	6	4,9	*
B00102060635	1/4"	28	50	16	6	4,9	69,97
B00102060794	5/16"	24	56	22	6	4,9	79,37
B00102060952	3/8"	24	63	20	7	5,5	90,94
B00102061111	7/16"	20	63	20	8	6,2	117,03
B00102061270	1/2"	20	70	22	9	7,0	122,64
B00102061429	9/16"	18	70	22	11	9,0	173,66
B00102061587	5/8"	18	70	22	12	9,0	182,88
B00102061905	3/4"	16	80	22	14	11,0	248,31
B00102062222	7/8"	14	80	22	18	14,5	343,12
B00102062540	1"	12	90	22	18	14,5	458,89
B00102063175	1 1/4"	12	90	22	22	18	*
B00102063810	1 1/2"	12	110	32	22	24	*

■ Siparişlerinize Termin Verilecektir.

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.



Whitworth Boru Vidalı 2'li Takım Kılavuzu



Ürün kodu	d1 BSP	P adım G/Inch	L1 mm	L2 mm	d2 mm	k (h12) mm	TL/Adet
B00102300973	G 1/8"	28	63	19	7	5,5	103,44
B00102301316	G 1/4"	19	70	21	11	9	136,82
B00102301666	G 3/8"	19	70	21	12	9	156,83
B00102302095	G 1/2"	14	80	22	16	12	210,74
B00102302291	G 5/8"	14	80	22	18	14,5	215,57
B00102302644	G 3/4"	14	90	22	20	16	328,42
B00102303020	G 7/8"	14	90	22	22	18	504,91
B00102303325	G 1"	11	100	25	25	20	563,75
B00102304191	G 1 1/4"	11	125	31	32	24	1.036,34
B00102304780	G 1 1/2"	11	140	31	36	29	1.491,85
B00102305375	G 1 3/4"	11	140	33	40	32	1.865,30
B00102305961	G 2"	11	160	37	40	35	2.070,85

Siparişlerinize Termin Verilecektir.



Metrik Normal Vidalı Son Kılavuz



Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	k (h12) mm	TL/Adet
B00104040200	M 2	0.4	36	8	2,8	2,1	31,01
B00104040250	M 2,5	0.45	40	9	2,8	2,1	31,01
B00104040300	M 3	0.5	40	11	3,5	2,7	18,75
B00104040350	M 3,5	0.6	45	12	4,0	3,0	28,00
B00104040400	M 4	0.7	45	13	4,5	3,4	18,75
B00104040500	M 5	0.8	50	16	6,0	4,9	19,01
B00104040600	M 6	1	56	19	6,0	4,9	20,04
B00104040700	M 7	1	56	19	6,0	4,9	27,60
B00104040800	M 8	1.25	63	22	6,0	4,9	22,16
B00104040900	M 9	1.25	63	22	7,0	5,5	38,39
B00104041000	M 10	1.5	70	24	7,0	5,5	29,95
B00104041200	M 12	1.75	75	29	9,0	7,0	40,10
B00104041400	M 14	2	80	30	11,0	9,0	47,56
B00104041600	M 16	2	80	32	12,0	9,0	57,30
B00104041800	M 18	2.5	95	40	14,0	11,0	82,45
B00104042000	M 20	2.5	95	34	16,0	12,0	92,60
B00104042200	M 22	2.5	100	34	18,0	14,5	123,35
B00104042400	M 24	3	110	38	18,0	14,5	145,74
B00104042600	M26	3	110	38	20,0	16,0	*
B00104042700	M27	3	110	38	20,0	16,0	*
B00104042800	M28	3	110	38	20,0	16,0	*
B00104043000	M 30	3.5	125	45	22,0	18,0	300,25
B00104043300	M 33	3.5	125	50	25,0	20,0	368,41
B00104043600	M 36	4	150	56	28,0	22,0	436,24
B00104043900	M39	4	150	60	32,0	24,0	*
B00104044200	M42	4.5	150	60	32,0	24,0	*
B00104044500	M45	4.5	160	65	36,0	29,0	*
B00104044800	M48	5	180	70	36,0	29,0	*
B00104045200	M52	5	180	70	40,0	32,0	*
B00104045600	M56	5.5	200	70	40,0	35,0	*

■ Siparişlerinize Termin Verilecektir.


■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.

Metrik Normal Vidalı Son Kılavuz



Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	k (h12) mm	TL/Adet
B00109160300	M 3	0,5	40	11	3,5	2,7	22,15
B00109160400	M 4	0,7	45	13	4,5	3,4	22,15
B00109160500	M 5	0,8	50	16	6,0	4,9	22,47
B00109160600	M 6	1	56	19	6,0	4,9	23,74
B00109160800	M 8	1,25	63	22	6,0	4,9	26,21
B00109161000	M 10	1,5	70	24	7,0	5,5	35,61
B00109161200	M 12	1,75	75	28	9,0	7,0	48,28
B00109161400	M 14	2	80	30	11,0	9,0	57,03
B00109161600	M 16	2	80	32	12,0	9,0	68,82
B00109162000	M 20	2,5	95	34	16,0	12,0	111,18
B00109162400	M 24	3	110	38	18,0	14,5	*
B00109162700	M27	3	110	38	20,0	16,0	*
B00109163000	M 30	3.5	125	45	22,0	18,0	*

 Siparişlerinize Termin Verilecektir.

 Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.



Whitworth Normal Vidalı Son Kılavuz



Ürün kodu	d1 BSW	P adım G/Inch	L1 mm	L2 mm	d2 mm	k (h12) mm	TL/Adet
B00104280317	W 1/8"	40	40	11	3.5	2,7	*
B00104280397	W 5/32"	32	45	13	4.5	3,4	*
B00104280476	W 3/16"	24	50	16	6	4,9	*
B00104280635	W 1/4"	20	50	19	6	4,9	33,22
B00104280794	W 5/16"	18	56	22	6	4,9	33,84
B00104280952	W 3/8"	16	70	24	7	5,5	40,61
B00104281111	W 7/16"	14	70	24	8	6,2	51,94
B00104281270	W 1/2"	12	75	29	9	7,0	59,31

■ Siparişlerinize Termin Verilecektir.

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.

USA Normal Vidalı Son Kılavuz - UNC



Ürün kodu	d1 UNC	P adım G/Inch	L1 mm	L2 mm	d2 mm	k (h12) mm	TL/Adet
B00104240350	Nr. 6	32	45	13	4	3,0	*
B00104240417	Nr. 8	32	45	13	4.5	3,4	*
B00104240483	Nr. 10	24	50	16	6	4,9	*
B00104240635	1/4"	20	50	19	6	4,9	31,63
B00104240794	5/16"	18	56	22	6	4,9	35,57
B00104240952	3/8"	16	70	24	7	5,5	42,95
B00104241111	7/16"	14	70	24	8	6,2	51,94
B00104241270	1/2"	13	75	29	9	7,0	59,31

■ Siparişlerinize Termin Verilecektir.

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.



Metrik İnce Vidalı Son Kılavuz



Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	k (h12) mm	TL/Adet
B00104120302	M3	0,35	40	8	3.5	2,7	*
B00104120403	M 4	0,5	45	10	4.5	3,4	*
B00104120503	M 5	0,5	50	12	6	4,9	*
B00104120604	M6	0,75	56	14	6	4,9	44,77
B00104120804	M 8	0,75	56	18	6	4,9	55,03
B00104120805	M 8	1	63	22	6	4,9	47,27
B00104121005	M 10	1	63	20	7	5,5	53,81
B00104121000	M 10	1,25	70	24	7	5,5	64,94
B00104121205	M 12	1	70	22	9	7,0	62,79
B00104121200	M 12	1,25	70	22	9	7,0	73,91
B00104121206	M 12	1,5	70	22	9	7,0	58,22
B00104121405	M 14	1	70	22	11	9,0	87,63
B00104121400	M 14	1,25	70	22	11	9,0	82,80
B00104121406	M 14	1,5	70	22	11	9,0	73,91
B00104121605	M 16	1	70	22	12	9,0	98,85
B00104121606	M 16	1,5	70	22	12	9,0	82,80
B00104121800	M 18	1,25	80	22	14	11,0	*
B00104121806	M 18	1,5	80	22	14	11,0	103,49
B00104122005	M 20	1	80	22	16	12,0	*
B00104122006	M 20	1,5	80	22	16	12,0	114,96
B00104122008	M 20	2	80	22	16	12,0	145,31
B00104122205	M 22	1	80	22	18	14,5	*
B00104122206	M 22	1,5	80	22	18	14,5	167,57
B00104122405	M 24	1	90	22	18	14,5	*
B00104122406	M 24	1,5	90	22	18	14,5	190,60
B00104123005	M 30	1	90	22	22	18,0	303,58
B00104123006	M 30	1,5	90	22	22	18,0	301,85
B00104123008	M 30	2	90	22	22	18,0	340,66

■ Siparişlerinize Termin Verilecektir.

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.



USA İnce Vidalı Son Kılavuz - UNF



Ürün kodu	d1 UNF	P adım G/Inch	L1 mm	L2 mm	d2 mm	k (h12) mm	TL/Adet
B00104140350	Nr. 6	40	45	12	4,0	3,0	*
B00104140417	Nr. 8	36	50	12	6,0	4,9	*
B00104140483	Nr. 10	32	50	12	6,0	4,9	*
B00104140635	1/4"	28	50	16	6,0	4,9	37,18
B00104140794	5/16"	24	56	22	6,0	4,9	42,10
B00104140952	3/8"	24	63	20	7,0	5,5	48,30
B00104141111	7/16"	20	63	20	8,0	6,2	62,11
B00104141270	1/2"	20	70	22	9,0	7,0	64,94
B00104141429	9/16"	18	70	22	11,0	9,0	91,85
B00104141587	5/8"	18	70	22	12,0	9,0	96,68
B00104141905	3/4"	16	80	22	14,0	11,0	131,26
B00104142222	7/8"	14	80	22	18,0	14,5	181,97
B00104142540	1"	12	90	22	18,0	14,5	243,21

■ Siparişlerinize Termin Verilecektir.

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.

Whitworth Boru Vidalı Son Kılavuz



Ürün kodu	d1 BSP	P adım G/Inch	L1 mm	L2 mm	d2 mm	k (h12) mm	TL/Adet
B00109450973	G 1/8"	28	63	19	7	5,5	66,74
B00109451316	G 1/4"	19	70	21	11	9,0	88,17
B00109451666	G 3/8"	19	70	21	12	9,0	101,25
B00109452095	G 1/2"	14	80	22	16	12,0	135,77
B00109452644	G 3/4"	14	90	22	20	16,0	211,62
B00109453325	G 1"	11	100	25	25	20,0	362,66

Metrik Normal Vidalı Düz Kanallı Makina Kılavuzu



Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	k (h12) mm	TL/Adet
B00105720200	M2	0,4	45	8	2,8	2,1	51,98
B00105720250	M 2,5	0,45	50	9	2,8	2,1	51,05
B00105720300	M3	0,5	56	10	3,5	2,7	38,55
B00105720350	M3,5	0,6	56	12	4,0	3,0	43,86
B00105720400	M4	0,7	63	12	4,5	3,4	39,75
B00105720450	M4,5	0,75	70	14	6,0	4,9	66,72
B00105720500	M5	0,8	70	14	6,0	4,9	39,75
B00105720600	M6	1	80	16	6,0	4,9	43,01
B00105720700	M7	1	80	16	7,0	5,5	56,44
B00105720800	M8	1,25	90	18	8,0	6,2	48,50
B00105720900	M9	1,25	90	18	9,0	7,0	68,76
B00105721000	M10	1,5	100	20	10,0	8,0	57,32
B00105721200	M12	1,75	110	24	12,0	9,0	69,30

Siparişlerinize Termin Verilecektir.



Metrik Normal Vidalı Eğik Ağız Bilemeli Makina Kılavuzu

HSS-E

DIN
371/B

TS
82/4

M



6H



Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	k (h12) mm	TL/Adet
B00105710250	M2,5	0,45	50	9	2,8	2,1	55,29
B00105710300	M3	0,5	56	10	3,5	2,7	41,50
B00105710400	M4	0,7	63	12	4,5	3,4	42,93
B00105710500	M5	0,8	70	14	6,0	4,9	42,93
B00105710600	M6	1	80	16	6,0	4,9	46,37
B00105710800	M8	1,25	90	18	8,0	6,2	52,44
B00105711000	M10	1,5	100	20	10,0	8,0	61,85
B00105711200	M12	1,75	110	24	12,0	9,0	74,74

Siparişlerinize Termin Verilecektir.

Metrik Normal Vidalı Helis Kanallı Makina Kılavuzu

HSS-E

DIN
371/C

TS
82/4

M



6H

R35°



Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	k (h12) mm	TL/Adet
B00105790607	M2	0,4	45	8	2,8	2,1	62,27
B00105790608	M2,5	0,45	50	9	2,8	2,1	61,33
B00105790133	M3	0,5	56	6	3,5	2,7	46,17
B00105790134	M4	0,7	63	7	4,5	3,4	47,63
B00105790135	M5	0,8	70	8	6,0	4,9	47,63
B00105790136	M6	1	80	10	6,0	4,9	51,57
B00105790142	M7	1	80	10	7,0	5,5	67,76
B00105790137	M8	1,25	90	12	8,0	6,2	58,25
B00105790138	M10	1,5	100	14	10,0	8,0	68,62
B00105790139	M12	1,75	110	16	12,0	9,0	82,92

Siparişlerinize Termin Verilecektir.



Metrik Normal Vidalı Düz Kanallı Makina Kılavuzu



Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	k (h12) mm	TL/Adet
B00105780300	M3	0,5	56	10	2,2	-	42,93
B00105780350	M3,5	0,6	56	11	2,5	2,1	*
B00105780400	M4	0,7	63	12	2,8	2,1	42,93
B00105780450	M4,5	0,75	70	14	3,5	2,7	*
B00105780500	M5	0,8	70	14	3,5	2,7	43,43
B00105780600	M6	1	80	16	4,5	3,4	43,43
B00105780700	M7	1	80	16	5,5	4,3	*
B00105780800	M8	1,25	90	18	6,0	4,9	52,01
B00105780900	M9	1,25	90	18	7,0	5,5	*
B00105781000	M10	1,5	100	20	7,0	5,5	60,00
B00105781100	M11	1,5	100	20	8,0	6,2	*
B00105781200	M12	1,75	110	24	9,0	7,0	73,96
B00105781400	M14	2	110	26	11,0	9,0	101,66
B00105781600	M16	2	110	28	12,0	9,0	115,12
B00105781800	M18	2,5	125	30	14,0	11,0	167,40
B00105782000	M20	2,5	140	32	16,0	12,0	172,52
B00105782200	M22	2,5	140	32	18,0	14,5	246,58
B00105782400	M24	3	160	34	18,0	14,5	235,63
B00105782700	M27	3	160	38	20,0	16,0	312,21
B00105782800	M28	3	160	38	20,0	16,0	*
B00105783000	M30	3,5	180	45	22,0	18,0	378,69
B00105783300	M33	3,5	180	50	25,0	20,0	510,81
B00105783600	M36	4	200	56	28,0	22,0	627,77
B00105783900	M39	4	200	60	32,0	24,0	*
B00105784200	M42	4,5	200	60	32,0	24,0	*

■ Siparişlerinize Termin Verilecektir.

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.



Metrik Normal Vidalı Eğik Ağız Bilemeli Makina Kılavuzu



Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	k (h12) mm	TL/Adet
B00105770300	M3	0,5	56	10	2,2	-	46,38
B00105770400	M4	0,7	63	12	2,8	2,1	46,38
B00105770500	M5	0,8	70	14	3,5	2,7	46,86
B00105770600	M6	1	80	16	4,5	3,4	46,86
B00105770800	M8	1,25	90	18	6,0	4,9	56,21
B00105771000	M10	1,5	100	20	7,0	5,5	64,72
B00105771200	M12	1,75	110	24	9,0	7,0	79,93
B00105771400	M14	2	110	26	11,0	9,0	109,76
B00105771600	M16	2	110	28	12,0	9,0	124,48
B00105771800	M18	2,5	125	30	14,0	11,0	181,02
B00105772000	M20	2,5	140	32	16,0	12,0	186,79
B00105772200	M22	2,5	140	32	18,0	14,5	266,13
B00105772400	M24	3	160	34	18,0	14,5	255,40
B00105772700	M27	3	160	38	20,0	16,0	337,21
B00105773000	M30	3,5	180	45	22,0	18,0	409,95

Metrik Normal Vidalı Helis Kanallı Makina Kılavuzu



Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	k (h12) mm	TL/Adet
B00105790249	M3	0,5	56	6	2,2	-	51,34
B00105790251	M4	0,7	63	7	2,8	2,1	51,34
B00105790252	M5	0,8	70	8	3,5	2,7	52,09
B00105790253	M6	1	80	10	4,5	3,4	52,09
B00105790255	M8	1,25	90	12	6,0	4,9	62,36
B00105790257	M10	1,5	100	14	7,0	5,5	71,79
B00105790259	M12	1,75	110	16	9,0	7,0	88,63
B00105790260	M14	2	110	18	11,0	9,0	121,86
B00105790261	M16	2	110	20	12,0	9,0	138,26
B00105790262	M18	2,5	125	22	14,0	11,0	201,13
B00105790263	M20	2,5	140	22	16,0	12,0	207,01
B00105790264	M22	2,5	140	24	18,0	14,5	296,22
B00105790265	M24	3	160	28	18,0	14,5	283,61
B00105790407	M27	3	160	30	20,0	16,0	374,48
B00105790267	M30	3,5	180	35	22,0	18,0	454,42
B00105790402	M33	3,5	180	35	25,0	20,0	612,96
B00105790268	M36	4	200	44	28,0	22,0	754,01

Siparişlerinize Termin Verilecektir.



Metrik İnce Vidalı Düz Kanallı Makina Kılavuzu



Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	k (h12) mm	TL/Adet
B00105750403	M4	0,5	63	10	2,8	2,1	*
B00105750503	M5	0,5	70	12	3,5	2,7	*
B00105750603	M6	0,5	80	14	4,5	3,4	*
B00105750604	M6	0,75	80	14	4,5	3,4	72,67
B00105750704	M7	0,75	80	14	5,5	4,3	*
B00105750804	M8	0,75	90	22	6,0	4,9	*
B00105750805	M8	1	90	22	6,0	4,9	77,63
B00105750905	M9	1	90	22	7,0	5,5	*
B00105751000	M10	1,25	90	20	7,0	5,5	88,08
B00105751004	M10	0,75	90	20	7,0	5,5	*
B00105751005	M10	1	90	20	7,0	5,5	79,19
B00105751200	M12	1,25	100	22	9,0	7,0	90,00
B00105751204	M12	0,75	100	22	9,0	7,0	*
B00105751205	M12	1	100	22	9,0	7,0	84,33
B00105751206	M12	1,5	100	22	9,0	7,0	84,33
B00105751400	M14	1,25	100	22	11,0	9,0	108,64
B00105751405	M14	1	100	22	11,0	9,0	108,64
B00105751406	M14	1,5	100	22	11,0	9,0	102,38
B00105751605	M16	1	100	22	12,0	9,0	120,58
B00105751606	M16	1,5	100	22	12,0	9,0	113,87
B00105751805	M18	1	110	25	14,0	11,0	155,60
B00105751806	M18	1,5	110	25	14,0	11,0	136,42
B00105751808	M18	2	125	34	14,0	11,0	153,85
B00105752005	M20	1	125	25	16,0	12,0	180,34
B00105752006	M20	1,5	125	25	16,0	12,0	173,27
B00105752008	M20	2	140	34	16,0	12,0	233,48
B00105752205	M22	1	125	25	18,0	14,5	263,97
B00105752206	M22	1,5	125	25	18,0	14,5	189,05
B00105752208	M22	2	140	34	18,0	14,5	261,35
B00105752405	M24	1	140	28	18,0	14,5	282,26
B00105752406	M24	1,5	140	28	18,0	14,5	203,86
B00105752408	M24	2	140	28	18,0	14,5	241,32
B00105752605	M26	1	140	28	18,0	14,5	271,81
B00105752606	M26	1,5	140	28	18,0	14,5	266,58
B00105752608	M26	2	140	28	18,0	14,5	293,24
B00105752706	M27	1,5	140	28	20,0	16,0	324,08
B00105752708	M27	2	140	28	20,0	16,0	333,67
B00105752806	M28	1,5	140	28	20,0	16,0	330,17
B00105752808	M28	2	140	28	20,0	16,0	346,70
B00105753006	M30	1,5	150	28	22,0	18,0	344,12
B00105753008	M30	2	150	28	22,0	18,0	380,71
B00105753206	M32	1,5	150	28	22,0	18,0	413,81
B00105753208	M32	2	150	28	22,0	18,0	453,89
B00105753306	M33	1,5	160	30	25,0	20,0	475,66
B00105753308	M33	2	160	30	25,0	20,0	537,52
B00105753606	M36	1,5	170	30	28,0	22,0	552,33
B00105753608	M36	2	170	30	28,0	22,0	584,56

Siparişlerinize Termin Verilecektir.

Devamı sayfa 121'dedir

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.



Metrik İnce Vidalı Düz Kanallı Makina Kılavuzu



Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	k (h12) mm	TL/Adet
B00105753609	M36	3	200	36	28	22	*
B00105753806	M38	1,5	170	30	28	22	*
B00105754006	M40	1,5	170	30	32	24	*
B00105754008	M40	2	170	30	32	24	*
B00105754206	M42	1,5	170	30	32	24	*
B00105754208	M42	2	170	30	32	24	*
B00105754506	M45	1,5	180	32	36	29	*
B00105754508	M45	2	180	32	36	29	*



Metrik İnce Vidalı Eğik Ağız Bilemeli Makina Kılavuzu

HSS-E

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MF



6H



Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	k (h12) mm	TL/Adet
B00105740603	M6	0,5	80	14	4,5	3,4	76,33
B00105740604	M6	0,75	80	14	4,5	3,4	78,65
B00105740804	M8	0,75	90	22	6,0	4,9	86,95
B00105740805	M8	1	90	22	6,0	4,9	83,78
B00105741005	M10	1	90	20	7,0	5,5	85,57
B00105741000	M10	1,25	100	20	7,0	5,5	95,17
B00105741205	M12	1	100	22	9,0	7,0	91,06
B00105741200	M12	1,25	100	22	9,0	7,0	97,21
B00105741206	M12	1,5	100	22	9,0	7,0	91,06
B00105741405	M14	1	100	22	11,0	9,0	117,42
B00105741400	M14	1,25	100	22	11,0	9,0	117,42
B00105741406	M14	1,5	100	22	11,0	9,0	110,57
B00105741605	M16	1	100	22	12,0	9,0	130,25
B00105741606	M16	1,5	100	22	12,0	9,0	122,98
B00105741805	M18	1	110	25	14,0	11,0	168,23
B00105741806	M18	1,5	110	25	14,0	11,0	147,46
B00105742005	M20	1	125	25	16,0	12,0	195,12
B00105742006	M20	1,5	125	25	16,0	12,0	187,42
B00105742206	M22	1,5	125	25	18,0	14,5	204,54
B00105742406	M24	1,5	140	28	18,0	14,5	219,92
B00105742706	M27	1,5	140	28	20,0	16,0	318,35
B00105742806	M28	1,5	140	28	20,0	16,0	356,85
B00105743206	M32	1,5	150	28	22,0	18,0	446,71

■ Siparişlerinize Termin Verilecektir.



Metrik İnce Vidalı Helis Kanallı Makina Kılavuzu



Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	k (h12) mm	TL/Adet
B00105790565	M6	0,75	80	8	4,5	3,4	87,30
B00105790682	M8	0,75	80	10	6,0	4,9	101,77
B00105790490	M8	1	90	10	6,0	4,9	92,86
B00105790764	M9	1	90	10	7,0	5,5	*
B00105790336	M10	1	90	12	7,0	5,5	95,06
B00105790390	M10	1,25	100	12	7,0	5,5	105,60
B00105790391	M12	1	100	14	9,0	7,0	101,15
B00105790392	M12	1,25	100	14	9,0	7,0	107,95
B00105790006	M12	1,5	100	14	9,0	7,0	101,15
B00105790393	M14	1	100	16	11,0	9,0	130,59
B00105790394	M14	1,25	100	16	11,0	9,0	130,59
B00105790292	M14	1,5	100	16	11,0	9,0	122,84
B00105790680	M16	1	100	18	12,0	9,0	*
B00105790712	M16	1,25	100	18	12,0	9,0	*
B00105790338	M16	1,5	100	18	12,0	9,0	136,70
B00105790676	M18	1	110	20	14,0	11,0	*
B00105790287	M18	1,5	110	20	14,0	11,0	163,79
B00105790612	M18	2	125	20	14,0	11,0	185,57
B00105790591	M20	1	125	22	16,0	12,0	*
B00105790340	M20	1,5	125	22	16,0	12,0	208,23
B00105790637	M20	2	140	22	16,0	12,0	*
B00105790679	M22	1	125	25	18,0	14,5	*
B00105790186	M22	1,5	125	25	18,0	14,5	226,51
B00105790658	M22	2	140	25	18,0	14,5	*
B00105790551	M24	1,5	140	25	18,0	14,5	244,80
B00105790441	M24	2	140	25	18,0	14,5	289,21
B00105790721	M26	1,5	140	25	18,0	14,5	*
B00105790683	M27	1,5	140	25	20,0	16,0	*
B00105790692	M27	2	140	25	20,0	16,0	*
B00105790552	M28	1,5	140	25	20,0	16,0	*
B00105790791	M28	2	140	25	20,0	16,0	*
B00105790553	M30	1,5	150	25	22,0	18,0	412,95
B00105790759	M30	2	150	25	22,0	18,0	*
B00105790684	M36	1,5	170	30	28,0	22,0	*

■ Siparişlerinize Termin Verilecektir.

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.



USA Normal Vidalı Düz Kanallı Makina Kılavuzu - UNC



Ürün kodu	d1 UNC	P adım G/Inch	L1 mm	L2 mm	d2 mm	k (h12) mm	TL/Adet
B00105950635	1/4"	20	80	19	4,5	3,4	68,06
B00105950794	5/16"	18	90	22	6,0	4,9	77,46
B00105950952	3/8"	16	100	24	7,0	5,5	89,39
B00105951111	7/16"	14	100	24	8,0	6,2	103,71
B00105951270	1/2"	13	110	29	9,0	7,0	112,32
B00105951429	9/16"	12	110	30	11,0	9,0	152,01
B00105951587	5/8"	11	110	32	12,0	9,0	173,26
B00105951905	3/4"	10	125	34	14,0	11,0	257,29
B00105952222	7/8"	9	140	34	18,0	14,5	332,19
B00105952540	1"	8	160	38	20	16	435,08

Siparişlerinize Termin Verilecektir.



USA Normal Vidalı Helis Kanallı Makina Kılavuzu - UNC



Ürün kodu	d1 UNC	P adım G/Inch	L1 mm	L2 mm	d2 mm	k (h12) mm	TL/Adet
B00105990037	1/4"	20	80	12	4,5	3,4	81,76
B00105990009	5/16"	18	90	14	6,0	4,9	93,08
B00105990008	3/8"	16	100	16	7,0	5,5	107,22
B00105990003	7/16"	14	100	16	8,0	6,2	124,51
B00105990006	1/2"	13	110	20	9,0	7,0	134,61
B00105990021	9/16"	12	110	22	11,0	9,0	182,65
B00105990022	5/8"	11	110	22	12,0	9,0	208,12
B00105990031	3/4"	10	125	28	14,0	11,0	309,10
B00105990065	7/8"	9	140	28	18,0	14,5	488,94
B00105990066	1"	8	160	32	20	16	522,12

Siparişlerinize Termin Verilecektir.

USA İnce Vidalı Düz Kanallı Makina Kılavuzu - UNF



Ürün kodu	d1 UNF	P adım G/Inch	L1 mm	L2 mm	d2 mm	k (h12) mm	TL/Adet
B00105980635	1/4"	28	80	19	4,5	3,4	77,81
B00105980794	5/16"	24	90	22	6,0	4,9	88,52
B00105980952	3/8"	24	100	24	7,0	5,5	101,86
B00105981111	7/16"	20	100	24	8,0	6,2	118,63
B00105981270	1/2"	20	110	29	9,0	7,0	128,30
B00105981429	9/16"	18	110	30	11,0	9,0	187,92
B00105981587	5/8"	18	110	32	12,0	9,0	213,38
B00105981905	3/4"	16	125	34	14,0	11,0	316,12
B00105982222	7/8"	14	140	34	18,0	14,5	408,32
B00105982540	1"	12	160	38	20	16	535,64

Siparişlerinize Termin Verilecektir.



USA İnce Vidalı Helis Kanallı Makina Kılavuzu - UNF

HSS-E

DIN
2183/C
Bnz.

UNF



2B

R35°



Ürün kodu	d1 UNF	P adım G/Inch	L1 mm	L2 mm	d2 mm	k (h12) mm	TL/Adet
B00105990014	1/4"	28	80	12	4,5	3,4	93,25
B00105990038	5/16"	24	90	14	6,0	4,9	106,34
B00105990015	3/8"	24	100	16	7,0	5,5	122,33
B00105990023	7/16"	20	100	16	8,0	6,2	142,26
B00105990024	1/2"	20	110	20	9,0	7,0	153,93
B00105990025	9/16"	18	110	22	11,0	9,0	224,80
B00105990026	5/8"	18	110	22	12,0	9,0	256,41
B00105990032	3/4"	16	125	22	14,0	11,0	379,34
B00105990051	7/8"	14	140	28	18,0	14,5	488,94
B00105990078	1"	12	160	32	20	16	642,78

Siparişlerinize Termin Verilecektir.

Whitworth Vidalı Düz Kanallı Makina Kılavuzu

HSS-E

DIN
2183/C
Bnz.

BSW



Ürün kodu	d1 BSW	P adım G/Inch	L1 mm	L2 mm	d2 mm	k (h12) mm	TL/Adet
B00105920317	W 1/8"	40	56	11	2,2		71,83
B00105920397	W 5/32"	32	63	13	2,8	2.1	71,83
B00105920476	W 3/16"	24	70	16	3,5	2.7	79,82
B00105920556	W 7/32"	24	70	16	3,5	2.7	79,82
B00105920635	W 1/4"	20	80	19	4,5	3.4	72,18
B00105920794	W 5/16"	18	90	22	6	4.9	82,12
B00105920952	W 3/8"	16	100	24	7	5.5	94,84
B00105921111	W 7/16"	14	100	24	8	6.2	109,95
B00105921270	W 1/2"	12	110	29	9	7	119,07
B00105921429	W 9/16"	12	110	30	11	9	161,04
B00105921587	W 5/8"	11	110	32	12	9	183,53
B00105921905	W 3/4"	10	125	34	14	11	273,09
B00105922222	W 7/8"	9	140	34	18	14.5	352,12
B00105922540	W 1"	8	160	38	20	16	461,89

Siparişlerinize Termin Verilecektir.



Whitworth Vidalı Helis Kanallı Makina Kılavuzu



Ürün kodu	d1 BSW	P adım G/Inch	L1 mm	L2 mm	d2 mm	k (h12) mm	TL/Adet
B00105990074	W 1/8"	40	56	6	2,2		*
B00105990075	W 5/32"	32	63	7	2,8	2,1	*
B00105990076	W 3/16"	24	70	10	3,5	2,7	*
B00105990077	W 7/32"	24	70	10	3,5	2,7	*
B00105990047	W 1/4"	20	80	12	4,5	3,4	*
B00105990069	W 5/16"	18	90	14	6	4,9	*
B00105990049	W 3/8"	16	100	16	7	5,5	*
B00105990027	W 7/16"	14	100	18	8	6,2	*
B00105990028	W 1/2"	12	110	18	9	7	*

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.



Whitworth Boru Vidalı Düz Kanallı Makina Kılavuzu



Ürün kodu	d1 BSP	P adım G/Inch	L1 mm	L2 mm	d2 mm	k (h12) mm	TL/Adet
B00109580973	G 1/8"	28	90	20	7,0	5,5	77,46
B00109581316	G 1/4"	19	100	22	11,0	9,0	98,62
B00109581666	G 3/8"	19	100	22	12,0	9,0	124,87
B00109582095	G 1/2"	14	125	25	16,0	12,0	184,40
B00109582644	G 3/4"	14	140	28	20,0	16,0	282,76
B00109583325	G 1"	11	160	30	25,0	20,0	433,79

Whitworth Boru Vidalı Eğik Ağız Bilemeli Makina Kılavuzu



Ürün kodu	d1 BSP	P adım G/Inch	L1 mm	L2 mm	d2 mm	k (h12) mm	TL/Adet
B00109570973	G 1/8"	28	90	20	7,0	5,5	85,44
B00109571316	G 1/4"	19	100	22	11,0	9,0	108,54
B00109571666	G 3/8"	19	100	22	12,0	9,0	137,26
B00109572095	G 1/2"	14	125	25	16,0	12,0	202,84
B00109572644	G 3/4"	14	140	28	20,0	16,0	310,86



Whitworth Boru Vidalı Helis Kanallı
Makina Kılavuzu



Ürün kodu	d1 BSP	P adım G/Inch	L1 mm	L2 mm	d2 mm	k (h12) mm	TL/Adet
B00109420074	G 1/8"	28	90	12	7,0	5,5	93,17
B00109420053	G 1/4"	19	100	16	11,0	9,0	118,29
B00109420054	G 3/8"	19	100	18	12,0	9,0	149,80
B00109420061	G 1/2"	14	125	22	16,0	12,0	221,29
B00109420055	G 3/4"	14	140	23	20,0	16,0	339,83
B00109420058	G 1"	11	160	28	25,0	20,0	519,85

■ Siparişlerinize Termin Verilecektir.



1/16 - NPT Konik Boru Kılavuzu



Ürün kodu	d1 NPT	P adım G/Inch	L1 mm	L2 mm	d2 mm	k (h12) mm	TL/Adet
B00104400794	1/16"	27	54	18	6	4,9	*
B00104401029	1/8"	27	54	19	7	5,5	132,56
B00104401372	1/4"	18	62	27	11	9,0	169,91
B00104401714	3/8"	18	65	27	12	9,0	199,22
B00104402134	1/2"	14	80	35	16	12,0	286,33
B00104402667	3/4"	14	83	35	20	16,0	375,16
B00104403340	1"	11 1/2	95	45	25	20,0	*
B00104404826	1" 1/2	11 1/2	108	45	36	29,0	*

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.

Metrik Normal Vidalı Somun Kılavuzu



Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	k (h12) mm	TL/Adet
B00106020300	M3	0,5	70	22	2,2	-	44,97
B00106020400	M4	0,7	90	25	2,8	2,1	44,97
B00106020500	M5	0,8	100	28	3,5	2,7	44,97
B00106020600	M6	1	110	32	4,5	3,4	46,40
B00106020800	M8	1,25	125	40	6,0	4,9	54,30
B00106021000	M10	1,5	140	45	7,0	5,5	68,75
B00106021200	M12	1,75	180	50	9,0	7,0	93,90
B00106021400	M14	2	200	56	11,0	9,0	135,63
B00106021600	M16	2	200	63	12,0	9,0	145,57
B00106021800	M18	2,5	220	63	14,0	11,0	203,12
B00106022000	M20	2,5	250	70	16,0	12,0	220,49
B00106022200	M22	2,5	280	80	18,0	14,5	263,17
B00106022400	M24	3	280	80	18,0	14,5	344,56
B00106022700	M27	3	315	90	20,0	16,0	344,56

■ Siparişlerinize Termin Verilecektir.



Yeni Nesil Somun Kılavuzu Metrik Normal Vidalı



Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	k (h12) mm	TL/Adet
B100106600300	M 3	0.5	50	13	2.2	-	45,90
B100106600400	M 4	0.7	63	18	2.8	2.1	45,90
B100106600500	M 5	0.8	70	21	3.5	2.7	45,90
B100106600600	M 6	1	75	26	4.5	3.4	47,25
B100106600800	M 8	1.25	85	32	6	4.9	55,38
B100106601000	M 10	1.5	100	39	7	5.5	69,97
B100106601200	M 12	1.75	110	46	9	7	95,68
B100106601400	M 14	2	125	52	11	9	138,13
B100106601600	M 16	2	135	52	12	9	148,33
B100106601800	M 18	2.5	145	65	14	11	207,37
B100106602000	M 20	2.5	145	65	16	12	224,50
B100106602200	M 22	2.5	155	65	18	14.5	268,68
B100106602400	M 24	3	175	78	18	14.5	319,29



Yeni Nesil Somun Kılavuzu Metrik İnce Vidalı



Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	k (h12) mm	TL/Adet
B10106610805	M 8	1	85	26	6	4.9	63,25
B10106611005	M 10	1	100	26	8	6.2	79,89
B10106611000	M 10	1.25	100	32.5	8	6.2	88,90
B10106611205	M 12	1	110	26	9	7	123,70
B10106611200	M 12	1.25	110	32.5	9	7	123,70
B10106611206	M 12	1.5	110	39	9	7	114,33
B10106611405	M 14	1	125	26	11	9	151,63
B10106611406	M 14	1.5	125	39	11	9	139,11
B10106611605	M 16	1	135	26	12	9	169,93
B10106611606	M 16	1.5	135	39	12	9	155,90
B10106611806	M 18	1.5	145	39	14	11	190,26
B10106611808	M 18	2	145	52	14	11	207,38
B10106612006	M 20	1.5	145	39	16	12	211,89
B10106612008	M 20	2	145	52	16	12	230,96
B10106612206	M 22	1.5	155	39	18	14.5	258,78
B10106612208	M 22	2	155	52	18	14.5	282,07
B10106612406	M 24	1.5	175	39	18	14.5	284,02
B10106612408	M 24	2	175	52	18	14.5	309,29



Yeni Nesil Somun Kılavuzu UNC



Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	k (h12) mm	TL/Adet
B10106640317	No: 5	40	60	16	2.2	-	*
B10106640350	No: 6	32	65	20	2.5	2.1	*
B10106640417	No: 8	32	65	20	2.8	2.1	*
B10106640438	No: 10	24	75	27	3.5	2.7	*
B10106640549	No: 12	24	75	27	3.5	2.7	*
B10106640635	1/4"	20	80	32	4.5	3.4	*
B10106640794	5/16"	18	85	36	6	4.9	*
B10106640952	3/8"	16	95	40	7	5.5	*
B10106641111	7/16"	14	110	46	9	7	*
B10106641270	1/2"	13	110	50	9	7	*
B10106641429	9/16"	12	125	54	11	9	*
B10106641587	5/8"	11	135	59	12	9	*
B10106641905	3/4"	10	145	65	14	11	*
B10106642222	7/8"	9	145	72	18	14.5	*
B10106642540	1"	8	175	80	20	16	*



Yeni Nesil Somun Kılavuzu UNF

HSS-E

MTE

UNF



TIN



Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	k (h12) mm	TL/Adet
B10106650317	No: 5	44	60	15	2.2	-	*
B10106650350	No: 6	40	65	16	2.5	2.1	*
B10106650417	No: 8	36	65	18	2.8	2.1	*
B10106650438	No: 10	32	75	20	3.5	2.7	*
B10106650549	No: 12	28	75	23	3.5	2.7	*
B10106650635	1/4"	28	75	23	4.5	3.4	*
B10106650794	5/16"	24	85	27	6	4.9	*
B10106650952	3/8"	24	95	27	7	5.5	*
B10106651111	7/16"	20	110	32	9	7	*
B10106651270	1/2"	20	110	32	9	7	*
B10106651429	9/16"	18	125	36	11	9	*
B10106651587	5/8"	18	135	36	12	9	*
B10106651905	3/4"	16	145	40	14	11	*
B10106652222	7/8"	14	145	46	18	14.5	*
B10106652540	1"	12	175	54	20	16	*

Matkap Kılavuz - Kombine Takım



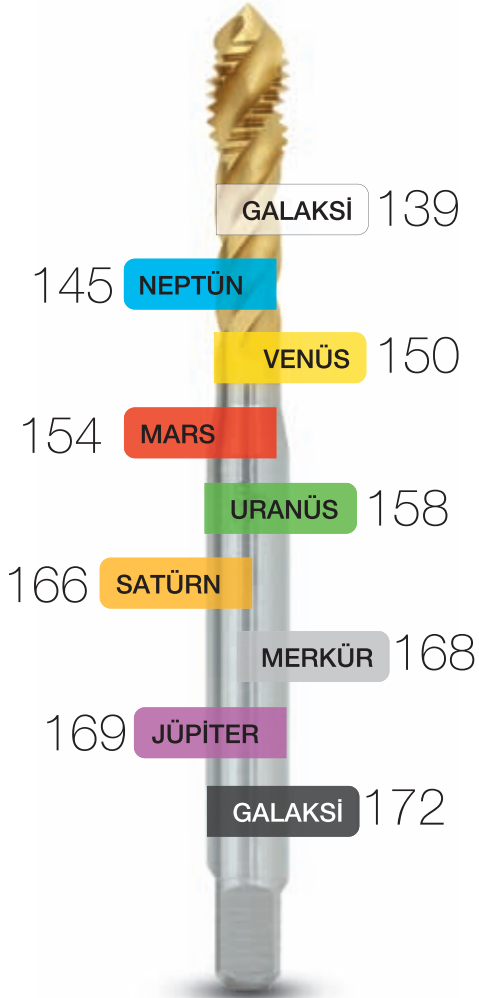
Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	TL/Adet
B00109370400	M 4	0,7	70	10	4,5	81,64
B00109370500	M 5	0,8	78	12	6,0	83,14
B00109370600	M 6	1	85	14	6,0	89,45
B00109370800	M 8	1,25	93	20	6,0	96,19
B00109371000	M 10	1,5	110	25	9,0	113,44

YÜK. PERFORMANSLI
KILAVUZLARI

YÜKSEK PERFORMANSLI KILAVUZLAR



MAKINA TAKIM ENDÜSTRİSİ A.Ş.





GALAKSI ÜNİVERSAL - Eğik Ağız Bilemeli
M



DIN-371

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	TL/Adet	
							TIN	STAR
B**80000300	M 3	0.5	56	10	3.5	2.7	48,19	50,41
B**80000400	M 4	0.7	63	12	4.5	3.4	50,19	52,70
B**80000500	M 5	0.8	70	14	6	4.9	51,22	54,17
B**80000600	M 6	1	80	16	6	4.9	57,51	61,79
B**80000800	M 8	1.25	90	18	8	6.2	65,44	70,53
B**80001000	M10	1.5	100	20	10	8	78,38	84,96
B**80001200	M12	1.75	110	24	12	9	93,60	100,99

DIN-376

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	TL/Adet	
							TIN	STAR
B**800021200	M12	1.75	110	24	9	7	100,62	108,00
B**800021400	M14	2	110	26	11	9	138,63	148,95
B**800021600	M16	2	110	28	12	9	155,13	165,98
B**800021800	M18	2.5	125	30	14	11	219,40	231,95
B**800022000	M20	2.5	140	32	16	12	234,33	251,31

B** TIN B10 STAR B13



GALAKSİ ÜNİVERSAL - 40° Helis Kanallı

M



DIN-371

TL/Adet

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	TIN	STAR
B**800010300	M 3	0.5	56	6	3.5	2.7	52,23	54,45
B**800010400	M 4	0.7	63	7	4.5	3.4	54,27	56,77
B**800010500	M 5	0.8	70	8	6	4.9	55,30	58,25
B**800010600	M 6	1	80	10	6	4.9	62,05	66,33
B**800010800	M 8	1.25	90	12	8	6.2	70,49	75,60
B**800011000	M10	1.5	100	14	10	8	84,27	90,83
B**800011200	M12	1.75	110	16	12	9	100,69	108,08

DIN-376

TL/Adet

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	TIN	STAR
B**800031200	M12	1.75	110	16	9	7	108,24	115,61
B**800031400	M14	2	110	18	11	9	149,25	159,58
B**800031600	M16	2	110	20	12	9	167,28	178,14
B**800031800	M18	2.5	125	22	14	11	237,15	249,70
B**800032000	M20	2.5	140	22	16	12	252,07	269,06

B**

TIN

B10

STAR

B13



MAKİNA TAKIM ENDÜSTRİSİ A.Ş.

GALAKSİ ÜNİVERSAL - Eğik Ağız Bilemeli
MF



DIN-374

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	TL/Adet	
							TIN	STAR
B**820040604	M 6	0.75	80	14	3.4	5.2	104,82	109,10
B**820040804	M 8	0.75	90	22	4.9	7.2	116,51	121,61
B**820040805	M 8	1	90	22	4.9	7	112,64	117,73
B**820041005	M10	1	90	22	5.5	9	117,87	124,44
B**820041000	M10	1.25	90	22	5.5	8.8	129,61	136,18
B**820041205	M12	1	100	22	7	11	126,21	133,60
B**820041200	M12	1.25	100	22	7	10.8	133,74	141,11
B**820041206	M12	1.5	100	22	7	10.5	126,21	133,60
B**820041406	M14	1.5	100	22	9	12.5	156,05	166,40
B**820041606	M16	1.5	100	22	9	14.5	171,96	182,81
B**820041806	M18	1.5	110	25	11	16.5	205,50	218,06
B**820042006	M20	1.5	125	25	12	18.5	263,08	280,06

B**

TIN

B10

STAR

B13

YÜK. PERFORMANSLI
KILAVUZLARI



MAKINA TAKIM ENDÜSTRİSİ A.Ş.

**GALAKSİ ÜNİVERSAL - 40° Helis Kanallı
MF**



DIN-374

TL/Adet

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	TIN	STAR
B**820050604	M 6	0.75	80	8	4.5	3.4	113,53	117,80
B**820050804	M 8	0.75	90	10	6	4.9	132,43	137,53
B**820050805	M 8	1	90	10	6	4.9	121,76	126,86
B**820051005	M10	1	90	12	7	5.5	127,40	133,97
B**820051000	M10	1.25	90	12	7	5.5	140,06	146,64
B**820051205	M12	1	100	14	9	7	136,35	142,10
B**820051200	M12	1.25	100	14	9	7	144,50	151,90
B**820051206	M12	1.5	100	14	9	7	136,35	143,74
B**820051406	M14	1.5	100	16	11	9	168,38	178,72
B**820051606	M16	1.5	100	18	12	9	185,76	196,62
B**820051806	M18	1.5	110	20	14	11	221,94	234,49
B**820052006	M20	1.5	125	22	16	12	284,02	301,00

B**

TIN

B10

STAR

B13



**GALAKSİ ÜNİVERSAL - Whitworth Boru Vidalı
Düz Kanallı**



DIN-371/ DIN-376

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	TL/Adet	
							TIN	STAR
B**800100973	G 1/8"	28	90	20	7	5.5	98,65	103,08
B**800101316	G 1/4"	19	100	22	11	9	126,97	133,39
B**800101666	G 3/8"	19	100	22	12	9	157,15	163,57
B**800102095	G 1/2"	14	125	25	16	12	234,42	245,27
B**800102291	G 5/8"	14	125	25	18	14.5	317,91	328,82
B**800102644	G 3/4"	14	140	28	20	16	358,91	375,03
B**800103020	G 7/8"	14	150	28	22	18	483,17	499,29
B**800103325	G 1"	14	160	30	25	20	545,89	568,16

B**

TIN

B10

STAR

B13



GALAKSİ ÜNİVERSAL - Whitworth Boru Vidalı
Helis Kanallı



DIN-371/ DIN-376

TL/Adet

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	TIN	STAR
B**800110973	G 1/8"	28	90	12	7	5.5	106,78	111,21
B**800111316	G 1/4"	19	100	16	11	9	137,22	143,64
B**800111666	G 3/8"	19	100	18	12	9	170,33	176,75
B**800112095	G 1/2"	14	125	22	16	12	253,80	264,65
B**800112291	G 5/8"	14	125	22	18	14.5	344,69	355,60
B**800112644	G 3/4"	14	140	23	20	16	389,35	405,48
B**800113020	G 7/8"	14	150	23	22	18	524,21	540,33
B**800113325	G 1"	14	160	28	25	20	590,74	613,01

B**

TIN

B10

STAR

B13



NEPTÜN ÇELİK - Eğik Ağız Bilemeli

M



DIN-371

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	TL/Adet	
							TIN	STAR
B**801010300	M 3	0.5	56	10	3.5	2.7	50,38	52,59
B**801010400	M 4	0.7	63	12	4.5	3.4	52,45	54,97
B**801010500	M 5	0.8	70	14	6	4.9	53,49	56,44
B**801010600	M 6	1	80	16	6	4.9	59,96	64,24
B**801010800	M 8	1.25	90	18	8	6.2	68,20	73,30
B**801011000	M10	1.5	100	20	10	8	81,64	88,21
B**801011200	M12	1.75	110	24	12	9	97,53	104,92

DIN-376

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	TL/Adet	
							TIN	STAR
B**801111200	M12	1.75	110	24	9	7	104,91	112,29
B**801111400	M14	2	110	26	11	9	144,50	154,85
B**801111600	M16	2	110	28	12	9	161,81	172,66
B**801111800	M18	2.5	125	30	14	11	229,13	241,67
B**801112000	M20	2.5	140	32	16	12	244,35	261,33

B** TIN B10 STAR B13



NEPTÜN ÇELİK - Eğik Ağız Bilemeli

M



DIN-371

TL/Adet

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	TIN	STAR
B**821010300	M 3	0.5	56	10	3.5	2.7	57,27	59,48
B**821010400	M 4	0.7	63	12	4.5	3.4	59,58	62,08
B**821010500	M 5	0.8	70	14	6	4.9	60,62	63,56
B**821010600	M 6	1	80	16	6	4.9	67,67	71,95
B**821010800	M 8	1.25	90	18	8	6.2	76,91	82,00
B**821011000	M10	1.5	100	20	10	8	91,90	98,47
B**821011200	M12	1.75	110	24	12	9	109,94	117,34

DIN-376

TL/Adet

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	TIN	STAR
B**821111200	M12	1.75	110	24	9	7	118,42	125,81
B**821111400	M14	2	110	26	11	9	163,07	173,39
B**821111600	M16	2	110	28	12	9	182,85	193,70
B**821111800	M18	2.5	125	30	14	11	259,71	272,26
B**821112000	M20	2.5	140	32	16	12	275,92	292,90

B**

TIN

B10

STAR

B13



NEPTÜN ÇELİK - 40° Helis Kanallı

M



DIN-371

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	TL/Adet	
							TIN	STAR
B**801020300	M 3	0.5	56	6	3.5	2.7	54,61	56,84
B**801020400	M 4	0.7	63	7	4.5	3.4	56,72	59,25
B**801020500	M 5	0.8	70	8	6	4.9	57,76	60,72
B**801020600	M 6	1	80	10	6	4.9	64,71	68,99
B**801020800	M 8	1.25	90	12	8	6.2	73,51	78,61
B**801021000	M10	1.5	100	14	10	8	87,83	94,40
B**801021200	M12	1.75	110	16	12	9	104,99	112,37

DIN-376

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	TL/Adet	
							TIN	STAR
B**801121200	M12	1.75	110	16	9	7	112,91	120,30
B**801121400	M14	2	110	18	11	9	155,66	166,01
B**801121600	M16	2	110	20	12	9	174,58	185,43
B**801121800	M18	2.5	125	22	14	11	247,76	260,30
B**801122000	M20	2.5	140	22	16	12	262,97	279,95



NEPTÜN ÇELİK - 40° Helis Kanallı

M



DIN-371

TL/Adet

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	TIN	STAR
B**821020300	M 3	0.5	56	6	3.5	2.7	62,16	64,37
B**821020400	M 4	0.7	63	7	4.5	3.4	64,49	66,99
B**821020500	M 5	0.8	70	8	6	4.9	65,52	68,48
B**821020600	M 6	1	80	10	6	4.9	73,12	77,41
B**821020800	M 8	1.25	90	12	8	6.2	83,01	88,10
B**821021000	M10	1.5	100	14	10	8	99,01	105,59
B**821021200	M12	1.75	110	16	12	9	118,51	125,89

DIN-376

TL/Adet

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	TIN	STAR
B**821121200	M12	1.75	110	16	9	7	127,62	134,99
B**821121400	M14	2	110	18	11	9	175,91	186,23
B**821121600	M16	2	110	20	12	9	197,52	208,37
B**821121800	M18	2.5	125	22	14	11	281,14	293,69
B**821122000	M20	2.5	140	22	16	12	297,35	314,33

B**

TIN

B10

STAR

B13



NEPTÜN ÇELİK - Düz Kanallı

M



DIN-371

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	TL/Adet	
							TIN	STAR
B**801000300	M 3	0.5	56	10	3.5	2.7	52,69	54,90
B**801000400	M 4	0.7	63	12	4.5	3.4	54,83	57,34
B**801000500	M 5	0.8	70	14	6	4.9	55,86	58,82
B**801000600	M 6	1	80	16	6	4.9	62,52	66,81
B**801000800	M 8	1.25	90	18	8	6.2	71,10	76,19
B**801001000	M10	1.5	100	20	10	8	85,07	91,63
B**801001200	M12	1.75	110	24	12	9	101,68	109,05

DIN-376

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	TL/Adet	
							TIN	STAR
B**801101200	M12	1.75	110	24	9	7	109,42	116,79
B**801101400	M14	2	110	26	11	9	150,70	161,04
B**801101600	M16	2	110	28	12	9	168,82	179,67
B**801101800	M18	2.5	125	30	14	11	239,31	251,86
B**801102000	M20	2.5	140	32	16	12	254,87	271,85

B** TIN B10 STAR B13



VENÜS INOX - Eğik Ağız Bilemeli

M



DIN-371

TL/Adet

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	TIN	STAR
B**802000300	M 3	0.5	56	10	3.5	2.7	51,69	53,91
B**802000400	M 4	0.7	63	12	4.5	3.4	53,82	56,34
B**802000500	M 5	0.8	70	14	6	4.9	54,86	57,81
B**802000600	M 6	1	80	16	6	4.9	61,43	65,71
B**802000800	M 8	1.25	90	18	8	6.2	69,85	74,95
B**802001000	M10	1.5	100	20	10	8	83,60	90,17
B**802001200	M12	1.75	110	24	12	9	99,91	107,29

DIN-376

TL/Adet

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	TIN	STAR
B**802101200	M12	1.75	110	24	9	7	107,49	114,86
B**802101400	M14	2	110	26	11	9	148,05	158,37
B**802101600	M16	2	110	28	12	9	165,81	176,67
B**802101800	M18	2.5	125	30	14	11	234,95	247,49
B**802102000	M20	2.5	140	32	16	12	250,36	267,34

B**

TIN

B10

STAR

B13



VENÜS INOX - Eğik Ağız Bilemeli

M



DIN-371

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	TL/Adet	
							TIN	STAR
B**822000300	M 3	0.5	56	10	3.5	2.7	58,79	61,00
B**822000400	M 4	0.7	63	12	4.5	3.4	61,15	63,65
B**822000500	M 5	0.8	70	14	6	4.9	62,18	65,13
B**822000600	M 6	1	80	16	6	4.9	69,36	73,64
B**822000800	M 8	1.25	90	18	8	6.2	78,82	83,91
B**822001000	M10	1.5	100	20	10	8	94,16	100,73
B**822001200	M12	1.75	110	24	12	9	112,66	120,04

DIN-376

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	TL/Adet	
							TIN	STAR
B**822101200	M12	1.75	110	24	9	7	121,38	128,76
B**822101400	M14	2	110	26	11	9	167,13	177,46
B**822101600	M16	2	110	28	12	9	187,45	198,30
B**822101800	M18	2.5	125	30	14	11	266,40	278,95
B**822102000	M20	2.5	140	32	16	12	282,83	299,80

B**

TIN

B10

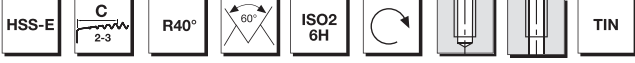
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B13



VENÜS INOX 40° Helis Kanallı

M



DIN-371

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	TL/Adet	
							TIN	STAR
B**802010300	M 3	0.5	56	6	3.5	2.7	56,05	58,26
B**802010400	M 4	0.7	63	7	4.5	3.4	58,20	60,72
B**802010500	M 5	0.8	70	8	6	4.9	59,25	62,19
B**802010600	M 6	1	80	10	6	4.9	66,31	70,59
B**802010800	M 8	1.25	90	12	8	6.2	75,33	80,41
B**802011000	M10	1.5	100	14	10	8	89,94	96,51
B**802011200	M12	1.75	110	16	12	9	107,56	114,94

DIN-376

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	TL/Adet	
							TIN	STAR
B**802111200	M12	1.75	110	16	9	7	115,71	123,08
B**802111400	M14	2	110	18	11	9	159,53	169,85
B**802111600	M16	2	110	20	12	9	178,94	189,79
B**802111800	M18	2.5	125	22	14	11	254,11	266,67
B**802112000	M20	2.5	140	22	16	12	269,52	286,50

B**

TIN

B10

STAR

B13



VENÜS INOX - 40° Helis Kanallı

M



DIN-371

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	TL/Adet	
							TIN	STAR
B**822010300	M 3	0.5	56	6	3.5	2.7	63,80	66,02
B**822010400	M 4	0.7	63	7	4.5	3.4	66,20	68,72
B**822010500	M 5	0.8	70	8	6	4.9	67,24	70,19
B**822010600	M 6	1	80	10	6	4.9	74,96	79,24
B**822010800	M 8	1.25	90	12	8	6.2	85,09	90,19
B**822011000	M10	1.5	100	14	10	8	101,45	108,03
B**822011200	M12	1.75	110	16	12	9	121,47	128,84

DIN-376

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	TL/Adet	
							TIN	STAR
B**822111200	M12	1.75	110	16	9	7	130,84	138,23
B**822111400	M14	2	110	18	11	9	180,33	190,67
B**822111600	M16	2	110	20	12	9	202,55	213,40
B**822111800	M18	2.5	125	22	14	11	288,45	301,00
B**822112000	M20	2.5	140	22	16	12	304,88	321,86

B**

TIN

B10

STAR

B13



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	54,77
B13802500400	M 4	0.7	63	12	4.5	3.4	3.3	57,23
B13802500500	M 5	0.8	70	14	6	4.9	4.2	58,71
B13802500600	M 6	1	80	16	6	4.9	5	66,68
B13802500800	M 8	1.25	90	18	8	6.2	6.8	76,07
B13802501000	M10	1.5	100	20	10	8	8.5	91,47
B13802501200	M12	1.75	110	24	12	9	10.2	108,87

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	24	9	7	10.2	116,58
B13802601400	M14	2	110	26	11	9	12	160,74
B13802601600	M16	2	110	28	12	9	14	179,35
B13802601800	M18	2.5	125	30	14	11	15.5	251,38
B13802602000	M20	2.5	140	32	16	12	17.5	271,35



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	62,00
B13812500400	M 4	0.7	63	12	4.5	3.4	3.3	64,70
B13812500500	M 5	0.8	70	14	6	4.9	4.2	66,18
B13812500600	M 6	1	80	16	6	4.9	5	74,75
B13812500800	M 8	1.25	90	18	8	6.2	6.8	85,17
B13812501000	M10	1.5	100	20	10	8	8.5	102,23
B13812501200	M12	1.75	110	24	12	9	10.2	121,85

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	24	9	7	10.2	130,74
B13812601400	M14	2	110	26	11	9	12	180,19
B13812601600	M16	2	110	28	12	9	14	201,38
B13812601800	M18	2.5	125	30	14	11	15.5	283,42
B13812602000	M20	2.5	140	32	16	12	17.5	304,43



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	10	3.5	2.7	2.5	60,18
B13802510400	M 4	0.7	63	12	4.5	3.4	3.3	62,69
B13802510500	M 5	0.8	70	14	6	4.9	4.2	64,17
B13802510600	M 6	1	80	16	6	4.9	5	72,74
B13802510800	M 8	1.25	90	18	8	6.2	6.8	82,82
B13802511000	M10	1.5	100	20	10	8	8.5	99,36
B13802511200	M12	1.75	110	24	12	9	10.2	118,37

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	24	9	7	10.2	124,97
B13802611400	M14	2	110	26	11	9	12	172,43
B13802611600	M16	2	110	28	12	9	14	192,71
B13802611800	M18	2.5	125	30	14	11	15.5	270,90
B13802612000	M20	2.5	140	32	16	12	17.5	290,88



MARS DÖKÜM - 15°Helis Kanallı

M



DIN-371

PM

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	10	3.5	2.7	2.5	68,20
B13812510400	M 4	0.7	63	12	4.5	3.4	3.3	70,98
B13812510500	M 5	0.8	70	14	6	4.9	4.2	72,45
B13812510600	M 6	1	80	16	6	4.9	5	81,71
B13812510800	M 8	1.25	90	18	8	6.2	6.8	92,96
B13812511000	M10	1.5	100	20	10	8	8.5	111,30
B13812511200	M12	1.75	110	24	12	9	10.2	132,80

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	24	9	7	10.2	140,36
B13812611400	M14	2	110	26	11	9	12	193,63
B13812611600	M16	2	110	28	12	9	14	216,76
B13812611800	M18	2.5	125	30	14	11	15.5	305,88
B13812612000	M20	2.5	140	32	16	12	17.5	326,89



URANÜS METAL DIŞI - Düz Kanallı Bakır Alaşımli
M



DIN-371

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	TL/Adet	
							BM	TIN
B**803000300	M 3	0.5	56	10	3.5	2.7	47,32	51,75
B**803000400	M 4	0.7	63	12	4.5	3.4	48,93	53,87
B**803000500	M 5	0.8	70	14	6	4.9	48,93	54,91
B**803000600	M 6	1	80	16	6	4.9	52,85	61,48
B**803000800	M 8	1.25	90	18	8	6.2	59,74	69,94
B**803001000	M10	1.5	100	20	10	8	70,47	83,68
B**803001200	M12	1.75	110	24	12	9	85,17	100,00

DIN-376

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	TL/Adet	
							BM	TIN
B**803101200	M12	1.75	110	24	9	7	92,75	107,59
B**803101400	M14	2	110	26	11	9	127,36	148,19
B**803101600	M16	2	110	28	12	9	144,43	165,98
B**803101800	M18	2.5	125	30	14	11	210,00	235,17
B**803102000	M20	2.5	140	32	16	12	216,72	250,60

B**

BM

B20

TIN

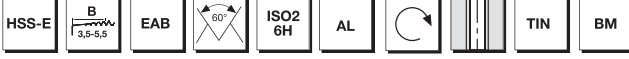
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URANÜS

M

METAL DIŞI - Eğik Ağız Bilemeli
Alüminyum



DIN-371

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	TL/Adet	
							BM	TIN
B**803010300	M 3	0.5	56	10	3.5	2.7	46,38	50,80
B**803010400	M 4	0.7	63	12	4.5	3.4	47,97	52,91
B**803010500	M 5	0.8	70	14	6	4.9	47,97	53,95
B**803010600	M 6	1	80	16	6	4.9	51,81	60,46
B**803010800	M 8	1.25	90	18	8	6.2	58,57	68,77
B**803011000	M10	1.5	100	20	10	8	69,08	82,29
B**803011200	M12	1.75	110	24	12	9	83,49	98,32

DIN-376

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	TL/Adet	
							BM	TIN
B**803111200	M12	1.75	110	24	9	7	90,94	105,77
B**803111400	M14	2	110	26	11	9	124,87	145,69
B**803111600	M16	2	110	28	12	9	141,58	163,14
B**803111800	M18	2.5	125	30	14	11	205,88	231,06
B**803112000	M20	2.5	140	32	16	12	212,47	246,35

B**

BM

B20

TIN

B10



URANÜS

M

METAL DIŞI - 45° Helis Kanallı
Alüminyum



DIN-371

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	TL/Adet	
							BM	TIN
B**803020300	M 3	0.5	56	6	3.5	2.7	50,68	55,09
B**803020400	M 4	0.7	63	7	4.5	3.4	52,27	57,21
B**803020500	M 5	0.8	70	8	6	4.9	52,27	58,25
B**803020600	M 6	1	80	10	6	4.9	56,61	65,25
B**803020800	M 8	1.25	90	12	8	6.2	63,92	74,12
B**803021000	M10	1.5	100	14	10	8	75,33	88,53
B**803021200	M12	1.75	110	16	12	9	91,00	105,86

DIN-376

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	TL/Adet	
							BM	TIN
B**803121200	M12	1.75	110	16	9	7	99,00	113,84
B**803121400	M14	2	110	18	11	9	136,14	156,96
B**803121600	M16	2	110	20	12	9	154,48	176,03
B**803121800	M18	2.5	125	22	14	11	224,70	249,87
B**803122000	M20	2.5	140	22	16	12	231,28	265,17

B**

BM

B20

TIN

B10



URANÜS

**METAL DIŞI - 45° Helis Kanallı
Bakır Alaşımlı**

M



DIN-371

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	TL/Adet	
							BM	TIN
B**803030300	M 3	0.5	56	6	3.5	2.7	50,68	55,09
B**803030400	M 4	0.7	63	7	4.5	3.4	52,27	57,21
B**803030500	M 5	0.8	70	8	6	4.9	52,27	58,25
B**803030600	M 6	1	80	10	6	4.9	56,61	65,25
B**803030800	M 8	1.25	90	12	8	6.2	63,92	74,12
B**803031000	M10	1.5	100	14	10	8	75,33	88,53
B**803031200	M12	1.75	110	16	12	9	91,00	105,86

DIN-376

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	TL/Adet	
							BM	TIN
B**803131200	M12	1.75	110	16	9	7	99,00	113,84
B**803131400	M14	2	110	18	11	9	136,14	156,96
B**803131600	M16	2	110	20	12	9	154,48	176,03
B**803131800	M18	2.5	125	22	14	11	224,70	249,87
B**803132000	M20	2.5	140	22	16	12	231,28	265,17

B** **BM** B20 **TIN** B10



URANÜS METAL DIŞI - Düz Kanallı Makina Kılavuzu
M



~DIN-371 / DIN-376

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	TL/Adet	
							BM	TIN
B**803300284	Nr:4	40	56	10	3.5	2.7	*	*
B**803300350	Nr: 6	32	56	12	4	3	*	*
B**803300417	Nr: 8	32	63	12	4.5	3.4	80,25	85,95
B**803300483	Nr: 10	24	70	14	6	4.9	87,76	95,27
B**803300549	Nr: 12	24	80	16	6	5.5	83,46	91,49
B**803300635	1/4"	20	80	16	7	5.5	76,08	84,94
B**803300794	5/16"	18	90	18	8	6.2	86,58	95,44
B**803300952	3/8"	16	100	20	10	8	99,92	111,41
B**803301111	7/16"	14	100	22	8	6.2	115,92	128,83
B**803301270	1/2"	13	110	25	9	7	125,55	138,46
B**803301429	9/16"	12	110	30	12	9	169,91	188,01
B**803301905	3/4"	10	125	32	14	11	287,58	317,05

B**

BM

B20

TIN

B10



URANÜS METAL DIŞI - Helis Kanallı Makina Kılavuzu
M



~DIN-371 / DIN-376

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	TL/Adet	
							BM	TIN
B**803400284	Nr:4	40	56	6	3.5	2.7	*	*
B**803400350	Nr: 6	32	56	7	4	3	*	*
B**803400417	Nr: 8	32	63	7	4.5	3.4	96,90	102,10
B**803400483	Nr: 10	24	70	8	6	4.9	105,31	112,82
B**803400549	Nr: 12	24	80	12	6	5.5	101,85	109,37
B**803400635	1/4"	20	80	12	7	5.5	91,39	100,25
B**803400794	5/16"	18	90	12	8	6.2	104,05	112,91
B**803400952	3/8"	16	100	16	10	8	119,84	131,34
B**803401111	7/16"	14	100	18	8	6.2	139,17	152,08
B**803401270	1/2"	13	110	20	9	7	150,46	163,37
B**803401429	9/16"	12	110	24	12	9	204,16	222,26
B**803401905	3/4"	10	125	25	14	11	345,50	374,97

B** **BM** B20 **TIN** B10



URANÜS METAL DIŞI - Düz Kanallı Makina Kılavuzu
M



~DIN-371 / DIN-376

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	TL/Adet	
							BM	TIN
B**803350284	Nr:4	48	56	10	2.2	2.7	*	*
B**803350350	Nr: 6	40	56	12	2.5	3	*	*
B**803350417	Nr: 8	36	63	12	2.8	3.4	86,83	92,03
B**803350483	Nr: 10	32	70	14	3.5	4.9	95,67	103,18
B**803350549	Nr: 12	28	80	16	4	5.5	95,67	103,18
B**803350635	1/4"	28	80	16	4.5	5.5	86,97	95,83
B**803350794	5/16"	24	90	18	6	6.2	98,95	107,81
B**803350952	3/8"	24	100	20	7	8	113,86	125,35
B**803351111	7/16"	20	100	22	8	6.2	132,61	145,51
B**803351270	1/2"	20	110	25	9	7	143,40	156,31
B**803351429	9/16"	18	110	30	12	9	210,05	228,16
B**803351905	3/4"	16	125	32	14	11	353,35	382,82

B**

BM

B20

TIN

B10



MAKINA TAKIM ENDÜSTRİSİ A.Ş.

URANÜS METAL DIŞI - Helis Kanallı Makina Kılavuzu
M



~DIN-371 / DIN-376

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	TL/Adet	
							BM	TIN
B**803450284	Nr:4	48	56	6	2.2	2.7	*	*
B**803450350	Nr: 6	40	56	7	2.5	3	*	*
B**803450417	Nr: 8	36	63	7	2.8	3.4	103,91	109,11
B**803450483	Nr: 10	32	70	8	3.5	4.9	114,80	122,31
B**803450549	Nr: 12	28	80	12	4	5.5	114,80	122,31
B**803450635	1/4"	28	80	12	4.5	5.5	104,23	113,09
B**803450794	5/16"	24	90	12	6	6.2	118,87	127,73
B**803450952	3/8"	24	100	16	7	8	136,74	148,22
B**803451111	7/16"	20	100	18	8	6.2	159,01	171,92
B**803451270	1/2"	20	110	20	9	7	172,06	184,97
B**803451429	9/16"	18	110	24	11	9	251,27	269,37
B**803451905	3/4"	16	125	25	14	11	424,02	453,49

B**

BM

B20

TIN

B10

YÜK. PERFORMANSLI
KILAVUZLARI



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	82,90
B13824010400	M 4	0.7	63	12	4.5	3.4	3.3	86,19
B13824010500	M 5	0.8	70	14	6	4.9	4.2	87,81
B13824010600	M 6	1	80	16	6	4.9	5	98,66
B13824010800	M 8	1.25	90	18	8	6.2	6.8	112,17
B13824011000	M10	1.5	100	20	10	8	8.5	134,11
B13824011200	M12	1.75	110	24	12	9	10.2	160,20

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	24	9	7	10.2	172,12
B13824111400	M14	2	110	26	11	9	12	237,35
B13824111600	M16	2	110	28	12	9	14	266,09
B13824111800	M18	2.5	125	30	14	11	15.5	376,69
B13824112000	M20	2.5	140	32	16	12	17.5	400,96



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	75,35
B13824000400	M 4	0.7	63	12	4.5	3.4	3.3	78,35
B13824000500	M 5	0.8	70	14	6	4.9	4.2	79,82
B13824000600	M 6	1	80	16	6	4.9	5	89,69
B13824000800	M 8	1.25	90	18	8	6.2	6.8	101,99
B13824001000	M10	1.5	100	20	10	8	8.5	121,92
B13824001200	M12	1.75	110	24	12	9	10.2	145,65

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	24	9	7	10.2	156,49
B13824101400	M14	2	110	26	11	9	12	215,78
B13824101600	M16	2	110	28	12	9	14	241,89
B13824101800	M18	2.5	125	30	14	11	15.5	342,44
B13824102000	M20	2.5	140	32	16	12	17.5	364,53



MERKÜR - 50/55 HRc Düz Kanallı

M



DIN-371

PM

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	86,00
B13824500800	M 8	1.25	90	12	8	6.2	6.9	97,88
B13824501000	M10	1.5	100	14	10	8	8.6	117,21
B13824501200	M12	1.75	110	16	12	9	10.3	139,98



JUPİTER H SPEED- 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
B13825010300	M 3	0.5	56	10	3.5	2.7	2.5	67,02
B13825010400	M 4	0.7	63	12	4.5	3.4	3.3	69,90
B13825010500	M 5	0.8	70	14	6	4.9	4.2	71,38
B13825010600	M 6	1	80	16	6	4.9	5	80,38
B13825010800	M 8	1.25	90	18	8	6.2	6.8	91,53
B13825011000	M10	1.5	100	20	10	8	8.5	109,73
B13825011200	M12	1.75	110	24	12	9	10.2	130,91

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	140,60
B13825111400	M14	2	110	26	11	9	12	193,73
B13825111600	M16	2	110	28	12	9	14	216,75
B13825111800	M18	2.5	125	30	14	11	15.5	305,76
B13825112000	M20	2.5	140	32	16	12	17.5	327,47



JUPİTER H SPEED - Düz Kanallı

M



DIN-371

PM

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	10	3.5	2.7	2.5	65,22
B13825000400	M 4	0.7	63	12	4.5	3.4	3.3	68,03
B13825000500	M 5	0.8	70	14	6	4.9	4.2	69,52
B13825000600	M 6	1	80	16	6	4.9	5	78,35
B13825000800	M 8	1.25	90	18	8	6.2	6.8	89,25
B13825001000	M10	1.5	100	20	10	8	8.5	107,03
B13825001200	M12	1.75	110	24	12	9	10.2	127,65

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	24	9	7	10.2	137,05
B13825101400	M14	2	110	26	11	9	12	188,84
B13825101600	M16	2	110	28	12	9	14	211,22
B13825101800	M18	2.5	125	30	14	11	15.5	297,72
B13825102000	M20	2.5	140	32	16	12	17.5	319,18



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	10	3.5	2.7	2.5	72,61
B13825020400	M 4	0.7	63	12	4.5	3.4	3.3	75,51
B13825020500	M 5	0.8	70	14	6	4.9	4.2	76,99
B13825020600	M 6	1	80	16	6	4.9	5	86,62
B13825020800	M 8	1.25	90	18	8	6.2	6.8	98,51
B13825021000	M10	1.5	100	20	10	8	8.5	117,83
B13825021200	M12	1.75	110	24	12	9	10.2	140,69

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	24	9	7	10.2	151,11
B13825121400	M14	2	110	26	11	9	12	208,40
B13825121600	M16	2	110	28	12	9	14	233,51
B13825121800	M18	2.5	125	30	14	11	15.5	330,26
B13825122000	M20	2.5	140	32	16	12	17.5	351,97



GALAKSİ OVALAMA - Yağ Kanallı



DIN-371

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B10805500300	M 3	0.5	56	10	3.5	2.7	2.8	116,94
B10805500400	M 4	0.7	63	12	4.5	3.4	3.7	119,01
B10805500500	M 5	0.8	70	14	6	4.9	4.65	126,51
B10805500600	M 6	1	80	16	6	4.9	5.6	129,82
B10805500800	M 8	1.25	90	18	8	6.2	7.45	148,36
B10805501000	M10	1.5	100	20	10	8	9.35	181,41
B10805501200	M12	1.75	110	24	12	9	11.25	229,93

DIN-376

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B10805601200	M12	1.75	110	18	9	7	11.25	272,60
B10805601400	M14	2	110	26	11	9	13	381,69
B10805601600	M16	2	110	27	12	9	15	356,65
B10805601800	M18	2.5	125	32	14	11	16.8	540,69
B10805602000	M20	2.5	140	32	16	12	18.8	623,05

TIN

"10"

TICN

"11"

STAR

"13"



GALAKSİ OVALAMA - Yağ Kanallı



PM

DIN-371

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B13825510300	M 3	0.5	56	10	3.5	2.7	2.8	135,24
B13825510400	M 4	0.7	63	12	4.5	3.4	3.7	137,82
B13825510500	M 5	0.8	70	14	6	4.9	4.65	146,68
B13825510600	M 6	1	80	16	6	4.9	5.6	151,42
B13825510800	M 8	1.25	90	18	8	6.2	7.45	173,19
B13825511000	M10	1.5	100	20	10	8	9.35	212,00
B13825511200	M12	1.75	110	24	12	9	11.25	268,04

DIN-376

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B13825611200	M12	1.75	110	18	9	7	11.25	316,81
B13825611400	M14	2	110	26	11	9	13	443,58
B13825611600	M16	2	110	27	12	9	15	415,37
B13825611800	M18	2.5	125	32	14	11	16.8	626,88
B13825612000	M20	2.5	140	32	16	12	18.8	724,19

YÜK. PERFORMANSLI
KILAVUZLARI

TIN

"10"

TICN

"11"

STAR

"13"



GALAKSİ OVALAMA - Yağ Kanalsız



DIN-371

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B10805510300	M 3	0.5	56	10	3.5	2.7	2.8	111,58
B10805510400	M 4	0.7	63	12	4.5	3.4	3.7	113,58
B10805510500	M 5	0.8	70	14	6	4.9	4.65	120,78
B10805510600	M 6	1	80	16	6	4.9	5.6	124,06
B10805510800	M 8	1.25	90	18	8	6.2	7.45	141,79
B10805511000	M10	1.5	100	20	10	8	9.35	173,39
B10805511200	M12	1.75	110	24	12	9	11.25	219,68

DIN-376

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B10805611200	M12	1.75	110	18	9	7	11.25	260,32
B10805611400	M14	2	110	26	11	9	13	364,50
B10805611600	M16	2	110	27	12	9	15	340,69
B10805611800	M18	2.5	125	32	14	11	16.8	516,15
B10805612000	M20	2.5	140	32	16	12	18.8	594,99





GALAKSİ OVALAMA - Yağ Kanalsız



DIN-371

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B13825500300	M 3	0.5	56	10	3.5	2.7	2.8	141,65
B13825500400	M 4	0.7	63	12	4.5	3.4	3.7	144,33
B13825500500	M 5	0.8	70	14	6	4.9	4.65	153,58
B13825500600	M 6	1	80	16	6	4.9	5.6	158,35
B13825500800	M 8	1.25	90	18	8	6.2	7.45	181,09
B13825501000	M10	1.5	100	20	10	8	9.35	221,62
B13825501200	M12	1.75	110	24	12	9	11.25	280,33

DIN-376

Ürün kodu	d1 mm	P adım	L1 mm	L2 mm	d2 mm	a (h12) mm	Matkap Çapı	TL/Adet
B13825601200	M12	1.75	110	18	9	7	11.25	331,53
B13825601400	M14	2	110	26	11	9	13	464,19
B13825601600	M16	2	110	27	12	9	15	434,51
B13825601800	M18	2.5	125	32	14	11	16.8	656,35
B13825602000	M20	2.5	140	32	16	12	18.8	757,87

TIN

"10"

TICN

"11"

STAR

"13"



PAFTALAR
VİDA TARAĐI



PAFTALAR - VİDA TARAĐI



MAKINA TAKIM ENDÜSTRİSİ A.Ş.



Metrik Normal Vidalı Pafta Lokması



Ürün kodu	d1 mm	P adım	d2 (f9) mm	h1 mm	TL/Adet
B00110020200	M2	0,4	16	5	67,03
B00110020250	M2,5	0,45	16	5	65,40
B00110020300	M3	0,5	20	5	49,90
B00110020350	M3,5	0,6	20	5	58,37
B00110020400	M4	0,7	20	5	49,90
B00110020500	M5	0,8	20	7	45,77
B00110020600	M6	1	20	7	45,77
B00110020700	M7	1	25	9	63,86
B00110020800	M8	1,25	25	9	53,66
B00110020900	M9	1,25	25	9	69,60
B00110021000	M10	1,5	30	11	65,67
B00110021200	M12	1,75	38	14	83,66
B00110021400	M14	2	38	14	96,34
B00110021600	M16	2	45	18	136,02
B00110021800	M18	2,5	45	18	137,23
B00110022000	M20	2,5	45	18	137,23
B00110022200	M22	2,5	55	22	202,28
B00110022400	M24	3	55	22	202,28
B00110022700	M27	3	65	25	313,70
B00110023000	M30	3,5	65	25	330,00
B00110023300	M33	3,5	65	25	*
B00110023600	M36	4	65	25	*
B00110023900	M39	4	75	30	*
B00110024200	M42	4,5	75	30	*
B00110024500	M45	4,5	90	36	*
B00110024800	M48	5	90	36	*
B00110025200	M52	5	90	36	*

■ Siparişlerinize Termin Verilecektir.

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.



Metrik İnce Vidalı Pafta Lokması



Ürün kodu	d1 mm	P adım	d2 (f9) mm	h1 mm	TL/Adet
B00110030604	M 6	0,75	20	7	70,68
B00110030805	M 8	1	25	9	74,66
B00110031005	M 10	1	30	11	95,24
B00110031000	M 10	1,25	30	11	96,59
B00110031205	M 12	1	38	10	114,01
B00110031200	M 12	1,25	38	10	129,55
B00110031206	M 12	1,5	38	10	111,97
B00110031405	M 14	1	38	10	121,73
B00110031400	M 14	1,25	38	10	130,82
B00110031406	M 14	1,5	38	10	125,05
B00110031605	M 16	1	45	14	175,85
B00110031606	M 16	1,5	45	14	181,78
B00110031806	M 18	1,5	45	14	185,18
B00110032006	M 20	1,5	45	14	186,88
B00110032206	M 22	1,5	55	16	248,91
B00110032406	M 24	1,5	55	16	253,14
B00110033006	M 30	1,5	65	18	383,95

■ Siparişlerinize Termin Verilecektir.



Whitworth Normal Vidalı Pafta Lokması



Ürün kodu	d1 BSW	P adım G/Inch	d2 (f9) mm	h1 mm	TL/Adet
B00110040317	W 1/8"	40	20	5	71,54
B00110040397	W 5/32"	32	20	7	70,01
B00110040476	W 3/16"	24	20	7	72,72
B00110040635	W 1/4"	20	20	7	71,54
B00110040794	W 5/16"	18	25	9	75,86
B00110040952	W 3/8"	16	30	11	90,30
B00110041111	W 7/16"	14	30	11	99,22
B00110041270	W 1/2"	12	38	14	113,15
B00110041429	W 9/16"	12	38	14	131,07
B00110041587	W 5/8"	11	45	18	153,00
B00110041905	W 3/4"	10	45	18	183,49
B00110042222	W 7/8"	9	55	22	265,03
B00110042540	W 1"	8	55	22	282,02

Siparişlerinize Termin Verilecektir.



Whitworth Boru Vidalı Pafta Lokması



Ürün kodu	d1 BSP	P adım G/Inch	d2 (f9) mm	h1 mm	TL/Adet
B00110080973	G 1/8"	28	30	11	114,60
B00110081316	G 1/4"	19	38	10	119,49
B00110081666	G 3/8"	19	45	14	168,35
B00110082095	G 1/2"	14	45	14	168,35
B00110082644	G 3/4"	14	55	16	271,72
B00110083325	G 1"	11	65	18	357,43



USA Normal Vidalı Pafta Lokması - UNC



Ürün kodu	d1 UNC	P adım G/Inch	d2 (f9) mm	h1 mm	TL/Adet
B00110060635	1/4"	20	20	7	73,57
B00110060794	5/16"	18	25	9	78,24
B00110060952	3/8"	16	30	11	98,63
B00110061111	7/16"	14	30	11	98,63
B00110061270	1/2"	13	38	14	110,77
B00110061429	9/16"	12	38	14	126,58
B00110061587	5/8"	11	45	18	154,10
B00110061905	3/4"	10	45	18	173,29
B00110062222	7/8"	9	55	22	258,23
B00110062540	1"	8	55	22	274,39

Siparişlerinize Termin Verilecektir.



USA İnce Vidalı Pafta Lokması - UNF



Ürün kodu	d1 UNF	P adım G/Inch	d2 (f9) mm	h1 mm	TL/Adet
B00110070635	1/4"	28	20	7	77,39
B00110070794	5/16"	24	25	9	82,24
B00110070952	3/8"	24	30	11	103,81
B00110071111	7/16"	20	30	11	103,81
B00110071270	1/2"	20	38	10	116,05
B00110071429	9/16"	18	38	10	132,70
B00110071587	5/8"	18	45	14	161,74
B00110071905	3/4"	16	45	14	181,78
B00110072222	7/8"	14	55	16	270,98
B00110072540	1"	12	55	16	287,98



NPT 1/16 Konik Vidalı Pafta Lokması



Ürün kodu	d1 NPT	P adım G/Inch	d2 (f9) mm	h1 mm	TL/Adet
B00110090136	1/8"	27	30	11	190,28
B00110090137	1/4"	18	38	14	214,06
B00110090138	3/8"	18	45	18	276,92
B00110090139	1/2"	14	45	18	427,28
B00110090140	3/4"	14	55	22	427,28
B00110090141	1"	11 1/2	65	25	574,23



Virax Tipi Radyal Vida Tarađı



Ürün kodu	Anma Ölçüsü BSP	P adım G/Inch	A mm	B mm	C mm	TL/Adet
B00121010005	G 1/2" - G 3/4"	14	71.5	25	10	*
B00121010006	G 1" - G 1 1/4"	11	65.6	25	10	*
B00121010007	G 1 1/2" - G 2"	11	58.4	25	10	*





RAYBALAR

RAYBALAR



MAKINA TAKIM ENDÜSTRİSİ A.Ş.



Silindirik Saplı El Raybası



Ürün kodu	d1 mm	L1 mm	L2 mm	k mm	TL/Adet
B00301010200	2,0	50	25	1,60	70,68
B00301010250	2,5	58	29	2,10	71,54
B00301010300	3,0	62	31	2,24	71,62
B00301010350	3,5	71	35	2,70	73,01
B00301010400	4,0	76	38	3,15	69,13
B00301010450	4,5	81	41	3,55	81,80
B00301010500	5,0	87	44	4,00	79,82
B00301010550	5,5	93	47	4,50	84,81
B00301010600	6,0	93	47	4,50	76,54
B00301010650	6,5	100	50	5,00	84,81
B00301010700	7,0	107	54	5,60	84,04
B00301010750	7,5	107	54	5,60	88,44
B00301010800	8,0	115	58	6,30	87,31
B00301010850	8,5	115	58	6,30	96,61
B00301010900	9,0	124	62	7,10	97,74
B00301010950	9,5	124	62	7,10	97,74
B00301011000	10,0	133	66	8,00	97,74
B00301011050	10,5	133	66	8,00	112,90
B00301011100	11,0	142	71	9,00	110,93
B00301011150	11,5	142	71	9,00	119,38
B00301011200	12,0	152	76	10,00	117,12
B00301011250	12,5	152	76	10,00	171,17
B00301011300	13,0	152	76	10,00	180,98
B00301011350	13,5	163	81	11,20	204,26
B00301011400	14,0	163	81	11,20	199,09
B00301011450	14,5	163	81	11,20	213,74
B00301011500	15,0	163	81	11,20	212,02
B00301011550	15,5	175	87	12,50	232,55
B00301011600	16,0	175	87	12,50	221,50
B00301011650	16,5	175	87	12,50	237,01
B00301011700	17,0	175	87	12,50	230,97
B00301011750	17,5	188	93	14,00	248,31
B00301011800	18,0	188	93	14,00	255,98
B00301011850	18,5	188	93	14,00	292,87
B00301011900	19,0	188	93	14,00	278,92
B00301011950	19,5	201	100	16,00	298,46
B00301012000	20,0	201	100	16,00	268,90

Siparişlerinize Termin Verilecektir.

Devamı sayfa 188'dedir

İSTEK HALİNDE FORM A (DÜZ KANALLI), TIN KAPLAMALI VE FARKLI TOLERANSLARDA ÜRETİLEBİLİR.



Silindirik Saplı El Raybası



Ürün kodu	d1 mm	L1 mm	L2 mm	k mm	TL/Adet
B00301012100	21,0	201	100	16,00	*
B00301012200	22,0	215	107	18,00	318,75
B00301012300	23,0	215	107	18,00	*
B00301012400	24,0	231	115	20,00	363,54
B00301012500	25,0	231	115	20,00	*
B00301012600	26,0	231	115	20,00	401,30
B00301012700	27,0	247	124	22,40	*
B00301012800	28,0	247	124	22,40	*
B00301012900	29,0	247	124	22,40	*
B00301013000	30,0	247	124	22,40	*
B00301013200	32,0	265	133	25,00	*
B00301013300	33,0	265	133	25,00	*
B00301013500	35,0	284	142	28,00	*
B00301013600	36,0	284	142	28,00	*
B00301013800	38,0	305	152	31,50	*
B00301014000	40,0	305	152	31,50	*

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.

İSTEK HALİNDE FORM A (DÜZ KANALLI), TİN KAPLAMALI VE FARKLI TOLERANSLARDA ÜRETİLEBİLİR.



Silindirik Saplı Makina Raybası

HSS

DIN
212/D

TS
78/4

H7

L8°



Ürün kodu	d1 mm	d2 (h9) mm	L1 mm	L2 mm	TL/Adet
B00303010200	2	2	49	11	62,29
B00303010250	2.5	2.5	57	14	62,29
B00303010300	3	3	61	15	59,56
B00303010350	3.5	3.5	70	18	61,46
B00303010400	4	4	75	19	65,34
B00303010450	4.5	4.5	80	21	69,96
B00303010500	5	5	86	23	67,48
B00303010550	5.5	5.6	93	26	80,62
B00303010600	6	5.6	93	26	71,70
B00303010650	6.5	6.3	101	28	84,75
B00303010700	7	7.1	109	31	86,08
B00303010750	7.5	7.1	109	31	88,55
B00303010800	8	8	117	33	88,63
B00303010850	8.5	8	117	33	93,26
B00303010900	9	9	125	36	93,26
B00303010950	9.5	9	125	36	105,89
B00303011000	10	10	133	38	103,91
B00303011050	10.5	10	133	38	114,41
B00303011100	11	10	142	41	135,37
B00303011150	11.5	10	142	41	144,13
B00303011200	12	10	151	44	152,97
B00303011250	12.5	10	151	44	164,05
B00303011300	13	10	151	44	177,58
B00303011350	13.5	12.5	160	47	187,49
B00303011400	14	12.5	160	47	185,85
B00303011450	14.5	12.5	162	50	191,63
B00303011500	15	12.5	162	50	191,63
B00303011550	15.5	12.5	170	52	200,72
B00303011600	16	12.5	170	52	198,22
B00303011650	16.5	14	175	54	213,09
B00303011700	17	14	175	54	222,19
B00303011750	17.5	14	182	56	244,49
B00303011800	18	14	182	56	242,01
B00303011850	18.5	16	189	58	258,52
B00303011900	19	16	189	58	273,40
B00303012000	20	16	195	60	271,74
B00303012200	22	18	225	55	*
B00303012400	24	20	240	60	*
B00303012500	25	20	245	60	*
B00303012600	26	20	250	60	*
B00303012800	28	22	270	65	*
B00303013000	30	24	280	70	*

■ Siparişlerinize Termin Verilecektir.

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.



Silindirik Saplı Makina Raybası HSS-E



Ürün kodu	d1 mm	d2 (h9) mm	L1 mm	L2 mm	TL/Adet
B00353010200	2	2	49	11	80,26
B00353010250	2,5	2,5	57	14	80,26
B00353010300	3	3	61	15	76,76
B00353010350	3,5	3,5	70	18	79,19
B00353010400	4	4	75	19	84,21
B00353010450	4,5	4,5	80	21	90,17
B00353010500	5	5	86	23	86,98
B00353010550	5,5	5,6	93	26	103,89
B00353010600	6	5,6	93	26	92,40
B00353010650	6,5	6,3	101	28	109,21
B00353010700	7	7,1	109	31	110,91
B00353010750	7,5	7,1	109	31	114,12
B00353010800	8	8	117	33	114,23
B00353010850	8,5	8	117	33	120,19
B00353010900	9	9	125	36	120,19
B00353010950	9,5	9	125	36	136,47
B00353011000	10	10	133	38	133,91
B00353011050	10,5	10	133	38	147,43
B00353011100	11	10	142	41	174,47
B00353011150	11,5	10	142	41	185,75
B00353011200	12	10	151	44	197,15
B00353011250	12,5	10	151	44	211,40
B00353011300	13	10	151	44	228,85
B00353011350	13,5	12,5	160	47	241,64
B00353011400	14	12,5	160	47	239,50
B00353011450	14,5	12,5	162	50	246,94
B00353011500	15	12,5	162	50	246,94
B00353011550	15,5	12,5	170	52	258,66
B00353011600	16	12,5	170	52	255,46
B00353011650	16,5	14	175	54	274,62
B00353011700	17	14	175	54	286,33
B00353011750	17,5	14	182	56	315,07
B00353011800	18	14	182	56	311,88
B00353011850	18,5	16	189	58	333,16
B00353011900	19	16	189	58	352,33
B00353012000	20	16	195	60	350,20
B00353012200	22	18	225	55	*
B00353012400	24	20	240	60	*
B00353012500	25	20	245	60	*
B00353012600	26	20	250	60	*
B00353012800	28	22	270	65	*
B00353013000	30	24	280	70	*

■ Siparişlerinize Termin Verilecektir.

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.

İSTEK HALİNDE, FORM C (DÜZ KANALLI), FORM E (BÜYÜK HELİS AÇILI)
TIN KAPLAMALI VE FARKLI TOLERANSLARDA ÜRETİLEBİLİR.



Mors Konik Saplı Makina Raybası



Ürün kodu	d1 mm	L1 mm	L2 mm	Mors Konik No	TL/Adet
B00302010800	8	156	33	1	153,66
B00302011000	10	168	38	1	153,66
B00302011100	11	175	41	1	170,85
B00302011200	12	182	44	1	167,48
B00302011300	13	182	44	1	183,45
B00302011400	14	189	47	1	185,99
B00302011500	15	204	50	2	226,38
B00302011600	16	210	52	2	228,90
B00302011700	17	214	54	2	246,57
B00302011800	18	219	56	2	256,68
B00302011900	19	223	58	2	271,83
B00302012000	20	228	60	2	271,83
B00302012100	21	232	62	2	*
B00302012200	22	237	64	2	306,32
B00302012300	23	241	66	2	*
B00302012400	24	268	68	3	356,80
B00302012500	25	268	68	3	371,95
B00302012600	26	273	70	3	*
B00302012700	27	277	71	3	*
B00302012800	28	277	71	3	436,75
B00302012900	29	281	73	3	*
B00302013000	30	281	73	3	451,90
B00302013200	32	317	77	4	590,75
B00302013500	35	321	78	4	*
B00302014000	40	329	81	4	*

■ Siparişlerinize Termin Verilecektir.

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.

İSTEK HALİNDE HSS-E FORM A (DÜZ KANALLI), TIN KAPLAMALI VE FARKLI TOLERANSLARDA ÜRETİLEBİLİR.



1/50 Konik Pim Deliği Raybası

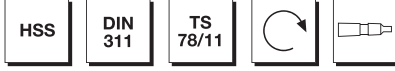


Ürün kodu	d1 mm	d2 mm	d3 mm	L1 mm	L2 mm	L3 mm	k mm	TL/Adet
B00300010200	2,0	1,9	2,86	68	48	5	2,40	*
B00300010250	2,5	2,4	3,36	68	48	5	2,40	*
B00300010300	3,0	2,9	4,06	80	58	5	3,00	86,94
B00300010350	3,5	3,4	4,66	87	63	5	3,40	*
B00300010400	4,0	3,9	5,26	93	68	5	3,80	93,24
B00300010450	4,5	4,4	5,80	97	70	5	4,30	*
B00300010500	5,0	4,9	6,36	100	73	5	4,90	101,23
B00300010550	5,5	5,4	7,18	118	89	5	6,20	*
B00300010600	6,0	5,9	8,00	135	105	5	6,20	119,76
B00300010650	6,5	6,4	8,60	140	110	5	6,20	*
B00300010700	7,0	6,9	9,40	160	125	5	7,00	*
B00300010800	8,0	7,9	10,80	180	145	5	8,00	185,13
B00300011000	10,0	9,9	13,40	215	175	5	10,00	262,56
B00300011200	12,0	11,8	16,00	255	210	10	11,00	*
B00300011600	16,0	15,8	20,40	280	230	10	14,50	*
B00300011800	18,0	17,8	22,80	310	250	10	14,50	*
B00300012000	20,0	19,8	24,80	310	250	10	18,00	*

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.

İSTEK HALİNDE FORM A (DÜZ KANALLI), TIN KAPLAMALI VE FARKLI TOLERANSLARDA ÜRETİLEBİLİR.

Perçin Delik Raybası



Ürün kodu	d mm	L1 mm	L2 mm	L3 mm	Mors Konik No	TL/Adet
B00305001000	10	171	95	30	1	*
B00305001200	12	199	105	39	2	*
B00305001300	13	199	105	39	2	*
B00305001500	15	219	125	45	2	*
B00305001600	16	229	135	48	2	*
B00305001700	17	251	135	51	3	*
B00305001800	18	261	145	58	3	*
B00305002000	20	271	155	62	3	*

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.



HAVŞA FREZELER

HAVŞA FREZELER



MAKINA TAKIM ENDÜSTRİSİ A.Ş.



Konik Sac Delme Matkabı

HSS

MTE



Ürün kodu	Nr	Delme Ölçü Aralığı	d2 mm	L1 mm	TL/Adet
B00319990646	Nr 1	3-14	6	58	77,55
B00319990647	Nr 2	5-20	8	71	117,17
B00319990648	Nr 3	16-30,5	9	76	170,46
B00319990649	Nr 4	24-40	10	89	302,50
B00319990650	Nr 8	5-31	9	103	231,29

Siparişlerinize Termin Verilecektir.

İSTEK HALİNDE KAPLAMALI OLARAK ÜRETİLEBİLİR.

Kademeli Sac Delme Matkabı

HSS

MTE

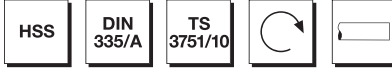


Ürün kodu	Nr	Delme Ölçü Aralığı	L1 mm	d2 mm	Çap Kademe Sayısı	TL/Adet
B00314010512	Nr 0,5	4-12	65	6	5	106,94
B00314010120	Nr 1	4-20	75	8	9	162,05
B00314010230	Nr 2	4-30	100	10	14	238,68
B00314010539	Nr 5	4-39	107	10	13	369,48

İSTEK HALİNDE KAPLAMALI OLARAK ÜRETİLEBİLİR.



Silindirik Saplı Havşa Freze - 90°

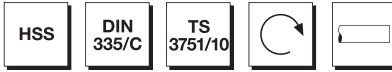


Ürün kodu	d1 mm	d2 mm	d3 mm	L1 mm	L2 mm	TL/Adet
B00313100800	8,0	8	-	48	-	41,46
B00313101250	12,5	8	2,0	48	16	60,27
B00313101600	16,0	10	3,2	56	20	79,08
B00313102000	20,0	10	5,0	60	24	112,79
B00313102500	25,0	10	7,0	71	26	142,77
B00313103150	31,5	18	9,0	90	30	249,70

Siparişlerinize Termin Verilecektir.

İSTEK HALİNDE KAPLAMALI OLARAK ÜRETİLEBİLİR.

3 Ağızlı Silindirik Saplı Havşa Freze - 90°

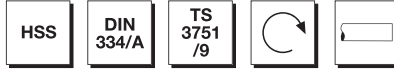


Ürün kodu	d1 mm	d2 mm	d3 mm	L1 mm	L2 mm	TL/Adet
B00313120630	6,3	5,0	1,5	45	5,0	41,54
B00313120830	8,3	6,0	2,0	50	6,0	45,68
B00313121040	10,4	6,0	2,5	50	7,1	56,20
B00313121240	12,4	8,0	2,8	56	8,0	59,84
B00313121650	16,5	10,0	3,2	60	10,0	74,41
B00313122050	20,5	10,0	3,5	63	12,5	100,18
B00313122500	25,0	10,0	3,8	67	15,0	137,97
B00313123150	31,5	18,0	4,2	71	18,0	239,84

İSTEK HALİNDE KAPLAMALI OLARAK ÜRETİLEBİLİR.

3 Ağızlı Silindirik Saplı Havşa Freze - 90°

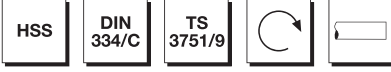

Ürün kodu	d1 mm	d2 mm	d3 mm	L1 mm	L2 mm	TL/Adet
B10313120630	6,3	5,0	1,5	45	5,0	47,77
B10313120830	8,3	6,0	2,0	50	6,0	52,53
B10313121040	10,4	6,0	2,5	50	7,1	64,63
B10313121240	12,4	8,0	2,8	56	8,0	68,82
B10313121650	16,5	10,0	3,2	60	10,0	85,57
B10313122050	20,5	10,0	3,5	63	12,5	117,21
B10313122500	25,0	10,0	3,8	67	15,0	165,56
B10313123150	31,0	12,0	4,2	71	18,0	287,81

Silindirik Saplı Havşa Freze - 60°


Ürün kodu	d1 mm	d2 mm	d3 mm	L1 mm	L2 mm	TL/Adet
B00313000800	8,0	8	-	50	-	48,73
B00313001250	12,5	8	2,0	50	18	70,51
B00313001600	16,0	10	3,2	60	24	92,92
B00313002000	20,0	10	5,0	63	27	132,44
B00313002500	25,0	10	7,0	78	33	167,04



3 Ağızlı Silindirik Saplı Havşa Freze - 60°



Ürün kodu	d1 mm	d2 mm	d3 mm	L1 mm	L2 mm	TL/Adet
B00313020800	8,0	6	2,0	50	8,0	47,61
B00313021250	12,5	8	3,2	56	11,2	68,13
B00313021600	16,0	10	4,0	63	14,0	94,00
B00313022000	20,0	10	5,0	67	17,0	121,59
B00313022500	25,0	10	6,3	71	20,0	160,19

3 Ağızlı Silindirik Saplı Havşa Freze - 60°



Ürün kodu	d1 mm	d2 mm	d3 mm	L1 mm	L2 mm	TL/Adet
B10313020800	8,0	6	2,0	50	8,0	54,75
B10313021250	12,5	8	3,2	56	11,2	78,35
B10313021600	16,0	10	4,0	63	14,0	108,10
B10313022000	20,0	10	5,0	67	17,0	142,30
B10313022500	25,0	10	6,3	71	20,0	192,25



Delikli Havşa Freze (Querlochsenker)



Ürün kodu	Çalışma Aralığı	d1 mm	d2 mm	L mm	TL/Adet
B00369990068	2 - 5	10	6,0	45	68,70
B00369990069	5 - 10	14	8,0	48	82,28
B00369990070	10 - 15	21	10,0	65	148,93
B00369990071	15 - 20	28	12,0	85	294,50
B00369990072	20 - 25	35	12,7	102	393,25

■ Siparişlerinize Termin Verilecektir.

Silindirik Saplı Sabit Pilotlu Havşa Freze



Ürün kodu	d1 mm	d2 mm	d1 mm	d2 mm	d3 mm	L1 mm	L2 mm	TL/Adet
B00311190012	M 3	6	3.2	5	71	14	4	55,29
B00311190013	M 4	8	4.3	5	71	14	4	55,29
B00311190014	M 5	10	5.3	8	80	18	6	58,34
B00311190009	M 6	11	6.4	8	80	18	6	79,27
B00311190010	M 8	15	8.4	12.5	100	22	10	88,95
B00311190011	M 10	18	10.5	12.5	100	22	14	105,72
B00311190015	M 12	20	13	12.5	100	22	14	115,30



Manyetik Matkap Tezgahı Delici Senkeri - Kısa

HSS

MTE

R30°



Delme boyu 25 mm

Ürün kodu	d2 mm	L1 mm	L2 mm	Z Kanal Sayısı	TL/Adet
B00310301200	12	65	36	4	68,96
B00310301300	13	65	36	4	72,72
B00310301400	14	65	36	4	72,72
B00310301500	15	65	36	4	74,81
B00310301600	16	65	36	6	74,81
B00310301700	17	65	36	6	80,38
B00310301800	18	65	36	6	80,38
B00310301900	19	65	36	6	84,11
B00310302000	20	65	36	6	88,11
B00310302100	21	65	38	6	88,11
B00310302200	22	65	38	6	91,58
B00310302300	23	65	38	6	95,78
B00310302400	24	65	38	6	99,51
B00310302500	25	65	38	6	103,31
B00310302600	26	65	38	6	107,19
B00310302700	27	65	38	6	110,85
B00310302800	28	65	38	8	114,79
B00310302900	29	65	38	8	129,99
B00310303000	30	65	38	8	129,99
B00310303100	31	65	40	8	160,86
B00310303200	32	65	40	8	160,86
B00310303300	33	65	40	8	188,02
B00310303400	34	65	40	10	188,02
B00310303500	35	65	40	10	202,95
B00310303600	36	65	40	10	202,95
B00310303700	37	65	40	10	226,71
B00310303800	38	65	40	10	226,71
B00310303900	39	65	40	10	237,57
B00310304000	40	65	40	10	237,57

■ Siparişlerinize Termin Verilecektir.

İSTEK HALİNDE HSS - E , TİN, TİCN KAPLAMALI OLARAK ÜRETİLEBİLİR.



Manyetik Matkap Tezgahı Delici Senkeri - Uzun

HSS

MTE

R30°



Delme boyu 50 mm

Ürün kodu	d2 mm	L1 mm	L2 mm	Z Kanal Sayısı	TL/Adet
B00310401200	12	90	60	4	89,40
B00310401300	13	90	60	4	94,42
B00310401400	14	90	60	4	94,42
B00310401500	15	90	60	4	97,13
B00310401600	16	90	60	6	97,13
B00310401700	17	90	60	6	104,48
B00310401800	18	90	60	6	104,48
B00310401900	19	90	60	6	109,35
B00310402000	20	90	60	6	114,44
B00310402100	21	90	60	6	114,44
B00310402200	22	90	60	6	118,92
B00310402300	23	90	60	6	124,49
B00310402400	24	90	60	6	129,23
B00310402500	25	90	60	6	134,26
B00310402600	26	90	60	6	139,83
B00310402700	27	90	60	6	144,57
B00310402800	28	90	60	8	149,33
B00310402900	29	90	60	8	169,01
B00310403000	30	90	60	8	169,01
B00310403100	31	90	62	8	209,06
B00310403200	32	90	62	8	209,06
B00310403300	33	90	62	8	244,35
B00310403400	34	90	62	10	244,35
B00310403500	35	90	62	10	264,04
B00310403600	36	90	62	10	264,04
B00310403700	37	90	62	10	294,59
B00310403800	38	90	62	10	294,59
B00310403900	39	90	62	10	308,84
B00310404000	40	90	62	10	308,84

Siparişlerinize Termin Verilecektir.

İSTEK HALİNDE HSS - E , TİN, TİCN KAPLAMALI OLARAK ÜRETİLEBİLİR.



FREZELER

FREZELER



MAKINA TAKIM ENDÜSTRİSİ A.Ş.



Silindirik Saplı Parmak Freze - Kısa BN



Ürün kodu	d1 mm	d2 mm	L1 mm	L2 mm	Z kanal sayısı	TL/Adet
B00276180200	2,0	6	51	7	3	40,12
B00276180250	2,5	6	52	8	3	42,69
B00276180300	3,0	6	52	8	3	28,76
B00276180350	3,5	6	54	10	3	32,71
B00276180400	4,0	6	55	11	4	28,76
B00276180450	4,5	6	55	11	4	35,68
B00276180500	5,0	6	57	13	4	28,76
B00276180550	5,5	6	57	13	4	37,45
B00276180600	6,0	6	57	13	4	29,26
B00276180650	6,5	10	66	16	4	42,69
B00276180700	7,0	10	66	16	4	37,76
B00276180750	7,5	10	66	16	4	44,81
B00276180800	8,0	10	69	19	4	37,76
B00276180850	8,5	10	69	19	4	50,88
B00276180900	9,0	10	69	19	4	44,94
B00276180950	9,5	10	69	19	4	53,08
B00276181000	10,0	10	72	22	4	42,00
B00276181050	10,5	12	79	22	4	64,07
B00276181100	11,0	12	79	22	4	55,82
B00276181150	11,5	12	79	22	4	70,24
B00276181200	12,0	12	83	26	4	53,61
B00276181250	12,5	12	83	26	4	75,47
B00276181300	13,0	12	83	26	4	69,13
B00276181400	14,0	12	83	26	4	73,22
B00276181500	15,0	12	83	26	4	84,98
B00276181600	16,0	16	92	32	4	84,98
B00276181700	17,0	16	92	32	4	106,14
B00276181800	18,0	16	92	32	4	100,34
B00276181900	19,0	16	92	32	4	129,85
B00276182000	20,0	20	104	38	4	125,92
B00257182100	21,0	20	104	38	5	165,88
B00257182200	22,0	20	104	38	5	166,69
B00257182300	23,0	20	104	38	5	221,43
B00257182400	24,0	25	121	45	5	221,43
B00257182500	25,0	25	121	45	5	221,43

Siparişlerinize Termin Verilecektir.

Devamı sayfa 204'dedir

Ø20 mm ÜZERİ HSS - E (%5Co) DAN ÜRETİLEBİLİR.



Silindirik Saplı Parmak Freze - Kısa BN

HSS-E
(%8 Co)

DIN
844

TS
303/19

BN

js14



Ürün kodu	d1 mm	d2 mm	L1 mm	L2 mm	Z kanal sayısı	TL/Adet
B00257182600	26,0	25	121	45	5	270,47
B00257182700	27,0	25	121	45	5	283,53
B00257182800	28,0	25	121	45	5	283,53
B00257182900	29,0	25	121	45	5	307,23
B00257183000	30,0	25	121	45	5	300,70
B00257183200	32,0	32	133	53	6	328,46
B00257183300	33,0	32	133	53	6	348,15
B00257183400	34,0	32	133	53	6	360,74
B00257183500	35,0	32	133	53	6	382,79
B00257183600	36,0	32	133	53	6	400,92
B00257183800	38,0	40	155	63	6	364,69
B00257184000	40,0	40	155	63	6	455,25

■ Siparişlerinize Termin Verilecektir.

Ø20 mm ÜZERİ HSS - E (%5Co) DAN ÜRETİLEBİLİR.



Silindirik Saplı Parmak Freze - Uzun BN



Ürün kodu	d1 mm	d2 mm	L1 mm	L2 mm	Z kanal sayısı	TL/Adet
B00276220200	2	6	54	10	3	52,14
B00276220250	2.5	6	56	12	3	53,52
B00276220300	3	6	56	12	3	37,27
B00276220400	4	6	63	19	4	37,27
B00276220500	5	6	68	24	4	37,27
B00276220600	6	6	68	24	4	38,00
B00276220700	7	10	80	30	4	48,95
B00276220800	8	10	88	38	4	48,78
B00276220900	9	10	88	38	4	58,43
B00276221000	10	10	95	45	4	54,67
B00276221100	11	12	102	45	4	72,48
B00276221200	12	12	110	53	4	69,70
B00276221300	13	12	110	53	4	86,87
B00276221400	14	12	110	53	4	92,90
B00276221500	15	12	110	53	4	110,39
B00276221600	16	16	123	63	4	110,39
B00276221700	17	16	123	63	4	137,98
B00276221800	18	16	123	63	4	130,25
B00276221900	19	16	123	63	4	168,69
B00276222000	20	20	141	75	4	164,25
B00257222200	22	20	141	75	5	216,54
B00257222400	24	25	166	90	5	287,62
B00257222500	25	25	166	90	5	287,62
B00257222600	26	25	166	90	5	351,36
B00257222800	28	25	166	90	5	368,52
B00257223000	30	25	166	90	5	390,56
B00257223200	32	32	186	106	6	442,86
B00257223400	34	32	186	106	6	*
B00257223600	36	32	186	106	6	*
B00257223800	38	40	217	125	6	*
b00257224000	40	40	217	125	6	*

■ Siparişlerinize Termin Verilecektir.

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.

Ø20 mm ÜZERİ HSS - E (%5Co) ÜRETİLEBİLİR.



Silindirik Saplı Parmak Freze - Kısa BW



Ürün kodu	d1 mm	d2 mm	L1 mm	L2 mm	Z kanal sayısı	TL/Adet
B00276190200	2,0	6	51	7	3	43,81
B00276190300	3,0	6	52	8	3	31,26
B00276190400	4,0	6	55	11	3	31,26
B00276190500	5,0	6	57	13	3	31,26
B00276190600	6,0	6	57	13	3	31,91
B00276190800	8,0	10	69	19	3	41,14
B00276191000	10,0	10	72	22	3	45,84
B00276191200	12,0	12	83	26	4	58,47
B00276191400	14,0	12	83	26	4	77,91
B00276191600	16,0	16	92	32	4	92,80
B00276191800	18,0	16	92	32	4	109,40
B00276192000	20,0	20	104	38	4	137,18
B00257192200	22,0	20	104	38	4	181,38
B00257192400	24,0	25	121	45	4	241,30
B00257192500	25,0	25	121	45	4	241,30
B00257192600	26,0	25	121	45	4	294,75
B00257192800	28,0	25	121	45	4	309,32
B00257193000	30,0	25	121	45	4	327,95
B00257193200	32,0	32	133	53	4	370,85

■ Siparişlerinize Termin Verilecektir.

Ø20 mm ÜZERİ HSS - E (%5Co) ÜRETİLEBİLİR.
İSTEK HALİNDE KAPLAMALI OLARAK ÜRETİLEBİLİR.



Silindirik Saplı Parmak Freze - Uzun BW

HSS-E
(%8 Co)

DIN
844

TS
303/20

BW

js14



Ürün kodu	d1 mm	d2 mm	L1 mm	L2 mm	Z kanal sayısı	TL/Adet
B00276230300	3	6	56	12	3	42,64
B00276230400	4	6	63	19	4	42,64
B00276230500	5	6	68	24	4	42,64
B00276230600	6	6	68	24	4	43,41
B00276230800	8	10	88	38	4	55,98
B00276231000	10	10	95	45	4	62,42
B00276231200	12	12	110	53	4	79,83
B00276231400	14	12	110	53	4	106,34
B00276231600	16	16	123	63	4	126,38
B00276231800	18	16	123	63	4	149,07
B00276232000	20	20	141	75	4	187,70
B00257232200	22	20	141	75	5	247,17
B00257232400	24	25	166	90	5	328,71
B00257232500	25	25	166	90	5	328,71
B00257232600	26	25	166	90	5	401,75
B00257232800	28	25	166	90	5	421,28
B00257233000	30	25	166	90	5	446,75
B00257233200	32	32	186	106	6	506,22

Siparişlerinize Termin Verilecektir.

Ø20 mm ÜZERİ HSS - E (%5Co) ÜRETİLEBİLİR.
İSTEK HALİNDE KAPLAMALI OLARAK ÜRETİLEBİLİR.



Silindirik Saplı Parmak Freze - Kısa BNR



Ürün kodu	d1 mm	d2 mm	L1 mm	L2 mm	Z kanal sayısı	TL/Adet
B00277330800	8,0	10	69	19	4	70,32
B00277331000	10,0	10	72	22	4	78,75
B00277331200	12,0	12	83	26	4	100,51
B00277331400	14,0	12	83	26	4	133,97
B00277331600	16,0	16	92	32	4	159,20
B00277331800	18,0	16	92	32	4	188,81
B00277332000	20,0	20	104	38	4	235,79
B00273332200	22,0	20	104	38	5	311,64
B00273332400	24,0	25	121	45	5	413,87
B00273332500	25,0	25	121	45	5	413,87
B00273332600	26,0	25	121	45	5	506,22
B00273332800	28,0	25	121	45	5	530,95
B00273333000	30,0	25	121	45	5	563,10
B00273333200	32,0	32	133	53	6	638,12

Siparişlerinize Termin Verilecektir.

Ø20 mm ÜZERİ HSS - E (%5Co) ÜRETİLİR. İSTEK HALİNDE KAPLAMALI OLARAK ÜRETİLEBİLİR.

Silindirik Saplı Parmak Freze - Uzun BNR



Ürün kodu	d1 mm	d2 mm	L1 mm	L2 mm	Z kanal sayısı	TL/Adet
B002773390800	8	10	88	38	4	91,44
B002773391000	10	10	95	45	4	102,23
B002773391200	12	12	110	53	4	130,59
B002773391400	14	12	110	53	4	174,79
B002773391600	16	16	123	63	4	207,76
B002773391800	18	16	123	63	4	244,88
B002773392000	20	20	141	75	4	306,69
B00273392200	22	20	141	75	5	404,81
B00273392400	24	25	166	90	5	538,37
B00273392500	25	25	166	90	5	538,37
B00273392600	26	25	166	90	5	657,91
B00273392800	28	25	166	90	5	690,88
B00273393000	30	25	166	90	5	732,11
B00273393200	32	32	186	106	6	829,38

Siparişlerinize Termin Verilecektir.

Ø20 mm ÜZERİ HSS - E (%5Co) ÜRETİLİR. İSTEK HALİNDE KAPLAMALI OLARAK ÜRETİLEBİLİR.



Silindirik Saplı Parmak Freze - Kısa BNF



Ürün kodu	d1 mm	d2 mm	L1 mm	L2 mm	Z kanal sayısı	TL/Adet
B00279330800	8,0	10	69	19	4	71,09
B00279331000	10,0	10	72	22	4	79,52
B00279331200	12,0	12	83	26	4	101,54
B00279331400	14,0	12	83	26	4	135,31
B00279331600	16,0	16	92	32	4	160,90
B00279331800	18,0	16	92	32	4	190,30
B00279332000	20,0	20	104	38	4	238,06
B00274332200	22,0	20	104	38	5	*
B00274332400	24,0	25	121	45	5	*
B00274332500	25,0	25	121	45	5	*
B00274332600	26,0	25	121	45	5	*
B00274332800	28,0	25	121	45	5	*
B00274333000	30,0	25	121	45	5	*
B00274333200	32,0	32	133	53	6	*

Ø20 mm ÜZERİ HSS - E (%5Co) ÜRETİLİR. İSTEK HALİNDE KAPLAMALI OLARAK ÜRETİLEBİLİR.

Silindirik Saplı Parmak Freze - Uzun BNF



Ürün kodu	d1 mm	d2 mm	L1 mm	L2 mm	Z kanal sayısı	TL/Adet
B00279391000	10	10	95	45	4	98,80
B00279391200	12	12	110	53	4	125,92
B00279391400	14	12	110	53	4	176,52
B00279391600	16	16	123	63	4	209,73
B00279391800	18	16	123	63	4	246,97
B00279392000	20	20	141	75	4	310,13
B00274392200	22	20	141	75	5	*
B00274392400	24	25	166	90	5	*
B00274392500	25	25	166	90	5	*
B00274392600	26	25	166	90	5	*
B00274392800	28	25	166	90	5	*
B00274393000	30	25	166	90	5	*
B00274393200	32	32	186	106	6	*

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.

Ø20 mm ÜZERİ HSS - E (%5Co) ÜRETİLİR. İSTEK HALİNDE KAPLAMALI OLARAK ÜRETİLEBİLİR.



Silindirik Saplı Delik Freze

HSS-E
(%8 Co)

DIN
327/D

TS
303/24

N

e8



Ürün kodu	d1 mm	d2 mm	L1 mm	L2 mm	Z kanal sayısı	TL/Adet
B00278140200	2	6	48	4	2	36,44
B00278140250	2.5	6	49	5	2	36,44
B00278140300	3	6	49	5	2	36,44
B00278140400	4	6	51	7	2	35,04
B00278140500	5	6	52	8	2	35,04
B00278140600	6	6	52	8	2	35,04
B00278140700	7	10	60	10	2	42,06
B00278140800	8	10	61	11	2	42,06
B00278140900	9	10	61	11	2	50,25
B00278141000	10	10	63	13	2	50,25
B00278141100	11	12	70	13	2	65,78
B00278141200	12	12	73	16	2	65,78
B00278141300	13	12	73	16	2	83,50
B00278141400	14	12	73	16	2	80,60
B00278141500	15	12	73	16	2	94,56
B00278141600	16	16	79	19	2	94,56
B00278141700	17	16	79	19	2	114,48
B00278141800	18	16	79	19	2	114,48
B00278141900	19	16	79	19	2	139,07
B00278142000	20	20	88	22	2	134,92

■ Siparişlerinize Termin Verilecektir.

İSTEK HALİNDE KAPLAMALI OLARAK ÜRETİLEBİLİR.

Silindirik Saplı Küresel Kalıpcı Freze - Kısa

HSS-E
(%8 Co)

DIN
1889/B

TS
303/28/1

js14



Ürün kodu	d1 mm	d2 mm	L1 mm	L2 mm	R	TL/Adet
B00272300600	6	6	57	13	3	63,93
B00272300800	8	10	69	19	4	78,47
B00272301000	10	10	72	22	5	89,85
B00272301200	12	12	83	26	6	114,97
B00272301400	14	12	83	26	7	126,57
B00272301600	16	16	92	32	8	156,95
B00272301800	18	16	92	32	9	186,84
B00272302000	20	20	104	38	10	224,19

İSTEK HALİNDE KAPLAMALI OLARAK ÜRETİLEBİLİR.



Silindirik Saplı Küresel Kalıpcı Freze - Uzun

HSS-E
(%8 Co)

DIN
1889/B

TS
303/28/1

js14



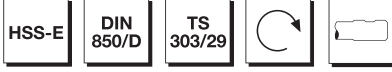
Ürün kodu	d1 mm	d2 mm	L1 mm	L2 mm	R	TL/Adet
B00272500600	6	6	68	24	3	76,50
B00272500800	8	10	88	38	4	94,06
B00272501000	10	10	95	45	5	107,65
B00272501200	12	12	110	53	6	137,79
B00272501400	14	12	110	53	7	151,92
B00272501600	16	16	123	63	8	188,43
B00272501800	18	16	123	63	9	224,19
B00272502000	20	20	141	75	10	268,71

Siparişlerinize Termin Verilecektir.

Ø20 mm ÜZERİ HSS - E (%5Co) ÜRETİLEBİLİR.
İSTEK HALİNDE KAPLAMALI OLARAK ÜRETİLEBİLİR.



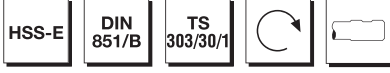
Silindirik Saplı Yarı Freze - Çapraz Dişli



Ürün kodu	d1 mm	b (e8) mm	d2 mm	L mm	TL/Adet
B00261220600	13,5	3	10	56	162,36
B00261220700	13,5	4	10	56	162,36
B00261220800	16,5	3	10	56	178,12
B00261220900	16,5	4	10	56	178,12
B00261221000	16,5	5	10	56	178,12
B00261221100	19,5	4	10	63	192,03
B00261221200	19,5	5	10	63	192,03
B00261221300	19,5	6	10	63	192,03
B00261221400	22,5	5	10	63	220,61
B00261221500	22,5	6	10	63	220,61
B00261221600	22,5	8	10	63	220,61
B00261221700	25,5	6	10	63	256,57
B00261221800	28,5	6	10	63	299,06
B00261221900	28,5	8	10	63	299,06
B00261222000	28,5	10	12	71	299,06
B00261222300	32,5	8	12	71	369,32
B00261222400	32,5	10	12	71	369,32
B00261222600	45,5	10	12	71	*



Silindirik Saplı T Kanal - Çapraz Dişli



Ürün kodu	b					TL/Adet
	d1 mm	(e8) mm	d2 mm	d3 mm	L1 mm	
B00262111100	11,0	4,0	10	4	53,5	*
B00262111250	12,5	6,0	10	5	57,0	*
B00262111600	16,0	8,0	10	7	62,0	*
B00262111800	18,0	8,0	12	8	70,0	*
B00262112100	21,0	9,0	12	10	74,0	*
B00262112500	25,0	11,0	16	12	82,0	*
B00262112800	28,0	12,0	16	13	85,0	*
B00262113200	32,0	14,0	16	15	90,0	*
B00262113600	36,0	16,0	25	17	103,0	*
B00262114000	40,0	18,0	25	19	108,0	*
B00262114500	45,0	20,0	25	21	113,0	*

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.

Silindirik Saplı Konik Freze



Ürün kodu	d1 mm	b mm	L mm	d2 mm	TL/Adet
B00263201600	16 X 45°	4,0	60	12	161,40
B00263202000	20 X 45°	5,0	63	12	203,53
B00263202500	25 X 45°	6,3	67	12	259,17
B00263203200	32 X 45°	8,0	71	16	336,30
B00263231600	16 X 60°	6,3	60	12	161,40
B00263232000	20 X 60°	8,0	63	12	203,53
B00263232500	25 X 60°	10,0	67	12	259,17
B00263233200	32 X 60°	12,5	71	16	336,30

■ Siparişlerinize Termin Verilecektir.

Tek Ağızlı Alüminyum Freze



Ürün kodu	d1 mm	d2 (h8) mm	L1 mm	L2 mm	TL/Adet
B00276500300	3	8	60	12	39,79
B00276500400	4	8	60	12	28,57
B00276510400	4	8	100	23	39,79
B00276500500	5	8	60	14	28,57
B00276510500	5	8	100	23	39,79
B00276500600	6	8	60	14	28,57
B00276510600	6	8	100	25	39,79
B00276500800	8	8	80	14	32,27
B00276510800	8	8	120	25	46,80
B00276511000	10	10	120	25	54,68

 Siparişlerinize Termin Verilecektir.

Tek Ağızlı Boyunlu Alüminyum Freze



Ürün kodu	d1 mm	d2 (h8) mm	L1 mm	L2 mm	TL/Adet
B00257520400	4	8	20x45	80	36,68
B00257520500	5	8	20x45	80	36,68
B00257520600	6	8	20x45	80	36,68



Mors Konik Saplı Parmak Freze - Kısa BN



Ürün kodu	d1 mm	L1 mm	L2 mm	Mors Konik No	TL/Adet
B00258141600	16	117	32	2	*
B00258141800	18	117	32	2	*
B00258142000	20	123	38	2	*
B00258142200	22	123	38	2	*
B00258142500	25	147	45	3	*
B00258142600	26	147	45	3	*
B00258142800	28	147	45	3	*
B00258143000	30	147	45	3	*
B00258143200	32	178	53	4	*
B00258143600	36	178	53	4	*
B00258144000	40	188	63	4	*
B00258144500	45	188	63	4	*
B00258145000	50	233	75	5	*

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.



Mors Konik Saplı Parmak Freze - Uzun BN



Ürün kodu	d1 mm	L1 mm	L2 mm	Mors Konik No	TL/Adet
B00258261600	16	148	63	2	*
B00258261800	18	148	63	2	*
B00258262000	20	160	75	2	*
B00258262200	22	160	75	2	*
B00258262500	25	192	90	3	*
B00258262600	26	192	90	3	*
B00258262800	28	192	90	3	*
B00258263000	30	192	90	3	*
B00258263200	32	231	106	4	*
B00258263600	36	231	106	4	*
B00258264000	40	250	125	4	*

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.

Mors Konik Saplı Parmak Freze - Kısa BNR



Ürün kodu	d1 mm	L1 mm	L2 mm	Mors Konik No	TL/Adet
B00273441600	16	117	32	2	*
B00273441800	18	117	32	2	*
B00273442000	20	123	38	2	*
B00273442200	22	123	38	2	*
B00273442500	25	147	45	3	*
B00273442600	26	147	45	3	*
B00273442800	28	147	45	3	*
B00273443000	30	147	45	3	*
B00273443200	32	178	53	4	*
B00273443600	36	178	53	4	*
B00273444000	40	188	63	4	*

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.



Mors Konik Saplı Parmak Freze - Kısa BNF

HSS-E

DIN
845

TS
303/21

BNF

js14

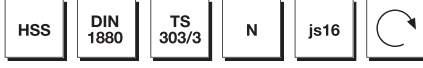


Ürün kodu	d1 mm	L1 mm	L2 mm	Mors Konik No	TL/Adet
B00274441600	16	117	32	2	*
B00274441800	18	117	32	2	*
B00274442000	20	123	38	2	*
B00274442200	22	123	38	2	*
B00274442500	25	147	45	3	*
B00274442600	26	147	45	3	*
B00274442800	28	147	45	3	*
B00274443000	30	147	45	3	*
B00274443200	32	178	53	4	*
B00274443600	36	178	53	4	*
B00274444000	40	188	63	4	*

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.



Vals Alın Freze



Ürün kodu	d1 mm	d2 (H7) mm	b (k16) mm	TL/Adet
B00201000040	40	16	32	*
B00201000050	50	22	36	*
B00201000063	63	27	40	*
B00201000080	80	27	45	*
B00201000100	100	32	50	*

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.

İSTEK HALİNDE HSS-E OLARAK ÜRETİLEBİLİR.

Kanal Freze - Düz Dişli



Ürün kodu	d1 mm	d2 (H7) mm	b (k11) mm	TL/Adet
B00252030800	63	22	8	*
B00252030900	63	22	10	*
B00252031000	63	22	12	*
B00252031100	63	22	14	*
B00252033300	80	27	8	*
B00252033400	80	27	10	*
B00252033500	80	27	12	*
B00252033600	80	27	14	*
B00252033700	80	27	16	*
B00252033800	80	27	18	*
B00252033900	80	27	20	*
B00252036000	100	32	10	*
B00252036100	100	32	12	*
B00252036200	100	32	14	*
B00252036300	100	32	16	*
B00252036400	100	32	18	*
B00252036500	100	32	20	*
B00252036600	100	32	22	*
B00252036700	100	32	25	*

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.

İSTEK HALİNDE HSS-E OLARAK ÜRETİLEBİLİR.



Kanal Freze - Çapraz Dişli

HSS

DIN
885/A

TS
303/5

N

js16



Ürün kodu	d1 mm	d2 (H7) mm	b (k11) mm	TL/Adet
B00252000400	50	16	10	*
B00252000800	63	22	8	*
B00252000900	63	22	10	*
B00252001000	63	22	12	*
B00252001100	63	22	14	*
B00252003300	80	27	8	*
B00252003400	80	27	10	*
B00252003500	80	27	12	*
B00252003600	80	27	14	*
B00252003700	80	27	16	*
B00252003800	80	27	18	*
B00252003900	80	27	20	*
B00252006000	100	32	10	*
B00252006100	100	32	12	*
B00252006200	100	32	14	*
B00252006300	100	32	16	*
B00252006400	100	32	18	*
B00252006500	100	32	20	*
B00252006600	100	32	22	*
B00252006700	100	32	25	*

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.

İSTEK HALİNDE HSS-E OLARAK ÜRETİLEBİLİR..



Konik Alın Freze

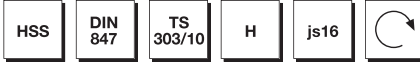


Ürün kodu	d1 mm	d2 (H7) mm	b (js14) mm	α	TL/Adet
B00203020040	40	10	10	45	*
B00203020050	50	13	13	45	*
B00203020063	63	16	18	45	*
B00203020080	80	22	22	45	*
B00203020100	100	27	28	45	*
B00203040040	40	10	13	60	*
B00203040050	50	13	16	60	*
B00203040063	63	16	20	60	*
B00203040080	80	22	25	60	*
B00203040100	100	27	32	60	*
B00203060040	40	10	13	50	*
B00203060050	50	13	16	50	*
B00203060063	63	16	20	50	*
B00203060080	80	22	25	50	*
B00203060100	100	27	32	50	*

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.

İSTEK HALİNDE HSS-E OLARAK ÜRETİLEBİLİR.

Prizma Freze



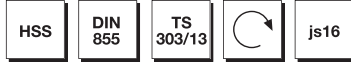
Ürün kodu	d1 mm	d2 (H7) mm	b (js16) mm	α	TL/Adet
B00206100050	50	16	8	45	*
B00206100063	63	22	10	45	*
B00206100080	80	27	12	45	*
B00206100100	100	32	18	45	*
B00206110050	50	16	10	60	*
B00206110063	63	22	14	60	*
B00206110080	80	27	18	60	*
B00206110100	100	32	25	60	*
B00206120050	50	16	14	90	*
B00206120063	63	22	20	90	*
B00206120080	80	27	22	90	*
B00206120100	100	32	32	90	*

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.

İSTEK HALİNDE HSS-E OLARAK ÜRETİLEBİLİR.



İç Bükey Freze



Ürün kodu	d1 mm	d2 (H7) mm	b (js16) mm	r (H11)	TL/Adet
B00216320100	50	16	6,0	1,00	*
B00216320125	50	16	6,0	1,25	*
B00216320160	50	16	8,0	1,60	*
B00216320200	50	16	9,0	2,00	*
B00216320250	63	22	10,0	2,50	*
B00216320300	63	22	12,0	3,00	*
B00216320315	63	22	12,0	3,15	*
B00216320400	63	22	16,0	4,00	*
B00216320500	63	22	20,0	5,00	*
B00216320600	80	27	24,0	6,00	*
B00216320630	80	27	24,0	6,30	*
B00216320800	80	27	32,0	8,00	*

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.

İSTEK HALİNDE HSS-E OLARAK ÜRETİLEBİLİR.

Dış Bükey Freze



Ürün kodu	d1 mm	d2 (H7) mm	b (js16) mm	r (H11)	TL/Adet
B00216400100	50	16	2,0	1,00	*
B00216400125	50	16	2,5	1,25	*
B00216400160	50	16	3,2	1,60	*
B00216400200	50	16	4,0	2,00	*
B00216400250	63	22	5,0	2,50	*
B00216400300	63	22	6,0	3,00	*
B00216400315	63	22	6,3	3,15	*
B00216400400	63	22	8,0	4,00	*
B00216400500	63	22	10,0	5,00	*
B00216400600	80	27	12,0	6,00	*
B00216400630	80	27	12,6	6,30	*
B00216400800	80	27	16,0	8,00	*

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.

İSTEK HALİNDE HSS-E OLARAK ÜRETİLEBİLİR.





TORNA KALEMLERİ



MAKİNA TAKİM ENDÜSTRİSİ A.Ş.



Yuvarlak Kesitli Torna Kalemı

HSS-E
(%10Co)

DIN
4964/A

TS
95/1



Ürün kodu	d1 mm	L mm	TL/Adet
B00420004080	4	80	16,85
B00420004100	4	100	18,28
B00420005080	5	80	18,54
B00420005100	5	100	18,54
B00420006080	6	80	19,37
B00420006100	6	100	19,37
B00420008080	8	80	24,92
B00420008100	8	100	24,92
B00420008125	8	125	27,93
B00420010080	10	80	29,78
B00420010100	10	100	29,78
B00420010125	10	125	36,49
B00420010160	10	160	43,04
B00420012100	12	100	44,95
B00420012125	12	125	57,86
B00420012160	14	160	70,69
B00420014100	14	100	64,14
B00420014125	14	125	76,90
B00420014160	14	160	90,73
B00420016125	16	125	102,63
B00420016160	16	160	*
B00420016200	16	200	*
B00420018200	18	200	*
B00420020160	20	160	*
B00420020200	20	200	*

■ Siparişlerinize Termin Verilecektir.

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.



Kare Kesitli Torna Kalemı

HSS-E
(%10Co)

DIN
4964/B

TS
95/1



Ürün kodu	b mm	b mm	L mm	TL/Adet
B00400404063	4	4	63	11,50
B00400404080	4	4	80	13,04
B00400404100	4	4	100	14,03
B00400505063	5	5	63	14,51
B00400505080	5	5	80	16,18
B00400505100	5	5	100	17,35
B00400606063	6	6	63	13,31
B00400606080	6	6	80	14,32
B00400606100	6	6	100	16,25
B00400606125	6	6	125	18,45
B00400606160	6	6	160	22,17
B00400808063	8	8	63	23,10
B00400808080	8	8	80	23,10
B00400808100	8	8	100	27,16
B00400808125	8	8	125	30,71
B00400808160	8	8	160	36,47
B00400808200	8	8	200	52,21
B00401010100	10	10	100	37,65
B00401010125	10	10	125	42,39
B00401010160	10	10	160	52,55
B00401010200	10	10	200	66,76
B00401212100	12	12	100	46,12
B00401212125	12	12	125	54,32
B00401212160	12	12	160	67,27
B00401212200	12	12	200	82,15
B00401414100	14	14	100	64,81
B00401414125	14	14	125	76,23
B00401414160	14	14	160	78,78
B00401414200	14	14	200	98,15
B00401616125	16	16	125	80,97
B00401616160	16	16	160	100,78
B00401616200	16	16	200	125,47
B00401818160	18	18	160	175,21
B00401818200	18	18	200	215,58
B00402020160	20	20	160	154,00
B00402020200	20	20	200	189,53
B00402525200	25	25	200	353,67

Siparişlerinize Termin Verilecektir.

Trapez Kesitli Torna Kalemı



Ürün kodu	b mm	h mm	L mm	Kenarların Oranı h:b	TL/Adet
B00411025125	2,5	10	125	4.0:1	26,56
B00411025160	2,5	10	160	4.0:1	31,25
B00411230100	3	12	100	4.0:1	28,62
B00411230125	3	12	125	4.0:1	32,19
B00411230160	3	12	160	4.0:1	41,50
B00411640125	4	16	125	4.0:1	46,95
B00411640160	4	16	160	4.0:1	58,31
B00412050160	5	20	160	4.0:1	66,34
B00412050200	5	20	200	4.0:1	79,58
B00412560100	6	25	100	4.0:1	78,80
B00412560160	6	25	160	4.0:1	111,59
B00412560200	6	25	200	4.0:1	133,69

Siparişlerinize Termin Verilecektir.

Trapez Kesitli Torna Kalemı



Ürün kodu	h Inch	b Inch	L Inch	TL/Adet
B00460000203	3/8"	3/32"	4"	21,78
B00460000207	1/2"	1/8"	6"	40,72
B00460000210	5/8"	5/32"	5"	47,81
B00460000211	5/8"	5/32"	6"	59,00
B00460000214	3/4"	3/16"	6"	66,34
B00460000217	7/8"	3/16"	6"	96,98
B00460000218	7/8"	3/16"	8"	119,19
B00460000220	1"	7/32"	6"	111,59
B00460000221	1"	7/32"	8"	140,18



TESTERELER



MAKINA TAKIM ENDÜSTRİSİ A.Ş.

Bi-Metaller İçin El Testere Lamaları



Ürün kodu	L mm	h mm	b mm	z Diş Sayısı	TL/Adet
B00653301136	300	13	0,63	18	3,80
B00653311136	300	13	0,63	24	3,80
B00653321136	300	13	0,63	32	3,80



Metaller İçin El Testere Lamaları

HSS

TS
153/3



Ürün kodu	L mm	h mm	b mm	z Diş Sayısı	TL/Adet
B00652301138	300	13	0,8	18	*
B00652311138	300	13	0,8	24	*
B00652301258	300	25	0,8	18	*
B00652311258	300	25	0,8	24	*

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.



Metaller İçin Makina Testere Lamaları

HSS

TS
153/4



Ürün kodu	L mm	h mm	b mm	z Diş Sayısı	TL/Adet
B00673030151	300	30	1,5	6	24,87
B00673030152	300	30	1,5	8	24,87
B00673530151	350	30	1,5	6	29,74
B00673530152	350	30	1,5	8	29,74
B00673530153	350	30	1,5	10	29,74
B00674035151	400	35	1,5	6	36,41
B00674035152	400	35	1,5	8	36,41
B00674035153	400	35	1,5	10	36,41
B00674040201	400	40	2	6	50,15
B00674040202	400	40	2	8	50,15
B00674535151	450	35	1,5	6	41,45
B00674535152	450	35	1,5	8	41,45
B00674535153	450	35	1,5	10	41,45
B00674540201	450	40	2	6	56,73
B00674540202	450	40	2	8	56,73
B00674540203	450	40	2	10	56,73
B00675040200	500	40	2	4	62,90
B00675040201	500	40	2	6	62,90
B00675040202	500	40	2	8	62,90
B00675040203	500	40	2	10	62,90
B00675050251	500	50	2,5	6	90,35
B00675550251	550	50	2,5	6	105,56
B00675550252	550	50	2,5	8	105,56
B00676050250	600	50	2,5	4	110,29
B00676050251	600	50	2,5	6	110,29
B00676050252	600	50	2,5	8	110,29
B00676550250	650	50	2,5	4	139,50
B00676550251	650	50	2,5	6	139,50
B00676550252	650	50	2,5	8	139,50
B00677050250	700	50	2,5	4	172,91
B00677050251	700	50	2,5	6	172,91
B00677050252	700	50	2,5	8	172,91



Metaller İçin El Testere Lamaları

WS
KROMLU

TS
153/3



Ürün kodu	L mm	h mm	b mm	z Diş Sayısı	TL/Adet
B00650301138	300	13	0,8	18	1,53
B00650301258	300	25	0,8	18	2,30



MAKINA TAKIM ENDÜSTRİSİ A.Ş.



MAKINA TAKIM ENDÜSTRİSİ A.Ş.





MAKINA TAKIM ENDÜSTRİSİ A.Ş.

