



MAKİNA TAKİM



HAZİRAN 2025

*"Köklü Geçmişten, Güçlü Geleceğe"...*

68.Yılı



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Listede bulunmayan her türlü özel ve standart kesici takım ihtiyaçlarınız için  
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**MAKİNA TAKİM ENDÜSTRİSİ A.Ş.**

**HAZİRAN 2025  
FİYAT LİSTESİ**







## Matkap Uçları

| Ürün Tanımı                                                          | Kalite        | Standart       | Sayfa No |
|----------------------------------------------------------------------|---------------|----------------|----------|
| Silindirik Saplı Kısa Matkap Ucu - HADDELI                           | HSS           | DIN 338        | 12       |
| Silindirik Saplı Kısa Matkap Ucu - TAŞLANMIŞ                         | HSS           | DIN 338        | 15       |
| Silindirik Saplı Kısa Matkap Ucu - ALTIN SERİ                        | HSS-E         | DIN 338        | 20       |
| Silindirik Saplı Uzun Matkap Ucu - ALTIN SERİ                        | HSS-E         | DIN 340        | 24       |
| Silindirik Saplı Kısa Matkap Ucu - ALÜMİNYUM GÜMÜŞ SERİ              | HSS-E         | DIN 338        | 27       |
| Silindirik Saplı Kısa SOL Matkap Ucu - TAŞLANMIŞ                     | HSS           | DIN 338        | 31       |
| Silindirik Saplı Kısa Matkap Ucu - TIN KAPLAMALI                     | HSS-E         | DIN 338        | 36       |
| Silindirik Saplı Uzun Matkap Ucu                                     | HSS           | DIN 340        | 38       |
| Mors Konik Saplı Matkap Ucu                                          | HSS           | DIN 345        | 41       |
| Mors Konik Saplı Matkap Ucu - HSS-E                                  | HSS-E         | DIN 345        | 44       |
| Mors Konik Saplı Uzun Matkap Ucu                                     | HSS           | DIN 341        | 47       |
| Silindirik Saplı Çok Uzun Matkap Ucu N Tipi                          | HSS           | DIN 1869-1     | 49       |
| Silindirik Saplı Çok Uzun Matkap Ucu - GT 100 Tipi                   | HSS-E         | DIN 1869-1     | 50       |
| Silindirik Saplı Çok Uzun Matkap Ucu N Tipi                          | HSS           | DIN 1869-2     | 51       |
| Silindirik Saplı Çok Uzun Matkap Ucu - GT 100 Tipi                   | HSS-E         | DIN 1869-2     | 52       |
| Silindirik Saplı Çok Uzun Matkap Ucu N Tipi                          | HSS           | DIN 1869-3     | 53       |
| Silindirik Saplı Çok Uzun Matkap Ucu - GT 100 Tipi                   | HSS-E         | DIN 1869-3     | 54       |
| Mors Konik Saplı Çok Uzun Matkap Ucu                                 | HSS           | DIN 1870 Nr.1  | 55       |
| Mors Konik Saplı Çok Uzun Matkap Ucu                                 | HSS           | DIN 1870-2     | 55       |
| Silindirik Saplı Çok Kısa Matkap Ucu                                 | HSS           | DIN 1897       | 56       |
| Punta Çürütme Matkap Ucu - KISA (Havali Tabancalar İçin )            | HSS -E (%8Co) | MTE Normu      | 58       |
| Punta Çürütme Matkap Ucu-KISA (Havali Tabancalar İçin )TIN KAPLAMALI | HSS -E (%8Co) | MTE Normu      | 58       |
| Punta Çürütme Matkap Ucu - UZUN ( El Breyzi İçin )                   | HSS -E (%8Co) | MTE Normu      | 59       |
| Punta Çürütme Matkap Ucu - UZUN ( El Breyzi İçin )TIN KAPLAMALI      | HSS -E (%8Co) | MTE Normu      | 59       |
| Punta Matkabı - FORM A                                               | HSS           | DIN 333 /A     | 60       |
| Punta Matkabı - FORM A - TIN KAPLAMALI                               | HSS           | DIN 333 /A     | 60       |
| Punta Matkabı - FORM A - HSS-E                                       | HSS-E         | DIN 333 /A     | 61       |
| Punta Matkabı - FORM A - HSS-E - TIN KAPLAMALI                       | HSS-E         | DIN 333 /A     | 61       |
| Punta Matkabı - FORM B                                               | HSS           | DIN 333 /B     | 62       |
| Punta Matkabı - FORM R                                               | HSS           | DIN 333 /R     | 62       |
| Punta Matkabı - UZUN                                                 | HSS           | DIN 333/A Brz. | 63       |
| Punta Matkabı - UZUN - HSS-E                                         | HSS-E         | DIN 333/A Brz. | 63       |
| Çift Taraflı Matkap Ucu                                              | HSS           | MTE Normu      | 64       |
| Silindirik Saplı Kısa Matkap Ucu - HADDELI SET                       | HSS           | DIN 338        | 65       |



## Kılavuzlar

| Ürün Tanımı                                                | Kalite  | Standart   | Sayfa No |
|------------------------------------------------------------|---------|------------|----------|
| Metrik Normal Vidalı 3'lü Takım Kılavuzu                   | HSS     | DIN 352    | 70       |
| Metrik Normal Vidalı 3'lü Takım Kılavuzu                   | HSS - E | DIN 352    | 71       |
| Metrik Normal Vidalı 3'lü Takım Kılavuzu (1 Nr. PİLOTLU)   | HSS - E | DIN 352    | 72       |
| Whitworth Normal Vidalı 3'lü Takım Kılavuzu                | HSS     | MTE Normu  | 73       |
| USA Normal Vidalı 3'lü Takım Kılavuzu - UNC                | HSS     | MTE Normu  | 74       |
| Metrik İnce Vidalı 2'li Takım Kılavuzu                     | HSS     | DIN 2181   | 75       |
| USA İnce Vidalı 3'lü Takım Kılavuzu - UNF                  | HSS     | DIN 2181   | 77       |
| Whitworth Boru Vidalı 2'li Takım Kılavuzu                  | HSS     | DIN 5157   | 78       |
| Metrik Normal Vidalı Kılavuz - Son                         | HSS     | DIN 352    | 79       |
| Metrik Normal Vidalı Kılavuz - Son                         | HSS - E | DIN 352    | 80       |
| USA Normal Vidalı Kılavuz - UNC - Son                      | HSS     | MTE Normu  | 81       |
| Metrik İnce Vidalı Kılavuz - Son                           | HSS     | DIN 2181   | 82       |
| USA İnce Vidalı Kılavuz - UNF - Son                        | HSS     | DIN 2181   | 83       |
| Whitworth Boru Vidalı Kılavuz - Son                        | HSS - E | DIN 5157   | 83       |
| Metrik Normal Vidalı Düz Kanallı Makina Kılavuzu           | HSS - E | DIN 371/C  | 84       |
| Metrik Normal Vidalı Eğik Ağız Bilemeli Makina Kılavuzu    | HSS - E | DIN 371/B  | 85       |
| Metrik Normal Vidalı Helis Kanallı Makina Kılavuzu         | HSS - E | DIN 371/C  | 85       |
| Metrik Normal Vidalı Düz Kanallı Makina Kılavuzu           | HSS - E | DIN 376/C  | 86       |
| Metrik Normal Vidalı Eğik Ağız Bilemeli Makina Kılavuzu    | HSS - E | DIN 376/B  | 87       |
| Metrik Normal Vidalı Helis Kanallı Makina Kılavuzu         | HSS - E | DIN 376/C  | 87       |
| Metrik İnce Vidalı Düz Kanallı Makina Kılavuzu             | HSS - E | DIN 374/C  | 88       |
| Metrik İnce Vidalı Eğik Ağız Bilemeli Makina Kılavuzu      | HSS - E | DIN 374/B  | 90       |
| Metrik İnce Vidalı Helis Kanallı Makina Kılavuzu           | HSS - E | DIN 374/C  | 91       |
| USA Normal Vidalı Düz Kanallı Makina Kılavuzu - UNC        | HSS - E | DIN 2183/C | 92       |
| USA Normal Vidalı Helis Kanallı Makina Kılavuzu - UNC      | HSS - E | DIN 2183/C | 93       |
| USA İnce Vidalı Düz Kanallı Makina Kılavuzu - UNF          | HSS - E | DIN 2183/C | 93       |
| USA İnce Vidalı Helis Kanallı Makina Kılavuzu - UNF        | HSS - E | DIN 2183/C | 94       |
| Whitworth Vidalı Düz Kanallı Makina Kılavuzu               | HSS - E | DIN 2183/C | 94       |
| Whitworth Boru Vidalı Düz Kanallı Makina Kılavuzu          | HSS - E | DIN 5156/C | 95       |
| Whitworth Boru Vidalı Eğik Ağız Bilemeli Makina Kılavuzu   | HSS - E | DIN 5156/B | 95       |
| Whitworth Boru Vidalı Helis Kanallı Makina Kılavuzu        | HSS - E | DIN 5156/C | 96       |
| 1/16 NPT Konik Boru Kılavuzu                               | HSS     | MTE Normu  | 97       |
| Yeni Nesil Somun Kılavuzu Metrik Normal Vidalı - TIN KAPLI | HSS - E | MTE Normu  | 98       |
| Yeni Nesil Somun Kılavuzu Metrik İnce Vidalı - TIN KAPLI   | HSS - E | MTE Normu  | 99       |
| Yeni Nesil Somun Kılavuzu UNC Vidalı - TIN KAPLI           | HSS - E | MTE Normu  | 100      |
| Yeni Nesil Somun Kılavuzu UNF Vidalı - TIN KAPLI           | HSS - E | MTE Normu  | 101      |



## Yüksek Performans Kılavuzları

|         | Ürün Tanımı                                       | Kalite | Standart | Sayfa No |
|---------|---------------------------------------------------|--------|----------|----------|
| GALAKSI | ÜNİVERSAL Eğik Ağız Bilemeli                      | HSS-E  | ISO2 6H  | 105      |
| GALAKSI | ÜNİVERSAL 40° Helis Kanallı                       | HSS-E  | ISO2 6H  | 106      |
| GALAKSI | ÜNİVERSAL Eğik Ağız Bilemeli                      | PM     | ISO2 6H  | 107      |
| GALAKSI | ÜNİVERSAL 40° Helis Kanallı                       | PM     | ISO2 6H  | 108      |
| NEPTÜN  | ÇELİK Eğik Ağız Bilemeli                          | HSS-E  | ISO2 6H  | 109      |
| NEPTÜN  | ÇELİK Eğik Ağız Bilemeli                          | PM     | ISO2 6H  | 110      |
| NEPTÜN  | ÇELİK 45° Helis Kanallı                           | HSS-E  | ISO2 6H  | 111      |
| NEPTÜN  | ÇELİK 45° Helis Kanallı                           | PM     | ISO2 6H  | 112      |
| NEPTÜN  | ÇELİK 40° Düz Kanallı                             | HSS-E  | 6HX      | 113      |
| VENUS   | INOX PASLANMAZ Eğik Ağız Bilemeli                 | HSS-E  | ISO2 6H  | 114      |
| VENUS   | INOX PASLANMAZ Eğik Ağız Bilemeli                 | PM     | ISO2 6H  | 115      |
| VENUS   | INOX PASLANMAZ 45° Helis Kanallı                  | HSS-E  | ISO2 6H  | 116      |
| VENUS   | INOX PASLANMAZ 45° Helis Kanallı                  | PM     | ISO2 6H  | 117      |
| MARS    | DÖKÜM Düz Kanallı                                 | HSS-E  | 6HX      | 118      |
| MARS    | DÖKÜM Düz Kanallı                                 | PM     | 6HX      | 119      |
| MARS    | DÖKÜM 15° Helis Kanallı                           | HSS-E  | 6HX      | 120      |
| MARS    | DÖKÜM 15° Helis Kanallı                           | PM     | 6HX      | 121      |
| URANUS  | METAL DIŞI Düz Kanallı Bakır Alaşım               | HSS-E  | 6HX      | 122      |
| URANUS  | METAL DIŞI Eğik Ağız Bilemeli Alüminyum           | HSS-E  | ISO2 6H  | 123      |
| URANUS  | METAL DIŞI 45° Helis Kanallı Alüminyum            | HSS-E  | ISO2 6H  | 124      |
| URANUS  | METAL DIŞI 45° Helis Kanallı Bakır Alaşım         | HSS-E  | ISO2 6H  | 125      |
| URANUS  | METAL DIŞI Düz Kanallı UNC Alüminyum              | HSS-E  | ISO2 6H  | 126      |
| URANUS  | METAL DIŞI 45° Helis Kanallı UNC Alüminyum        | HSS-E  | ISO2 6H  | 127      |
| URANUS  | METAL DIŞI Düz Kanallı UNF Alüminyum              | HSS-E  | ISO2 6H  | 128      |
| URANUS  | METAL DIŞI 45° Helis Kanallı UNF Alüminyum        | HSS-E  | ISO2 6H  | 129      |
| SATURN  | ISI DİRENÇLİ Ti-Ni - TOOLOX 15° Helis Kanallı     | PM     | 6HX      | 130      |
| SATURN  | ISI DİRENÇLİ Ti-Ni - TOOLOX 15° Sol Helis Kanallı | PM     | 6HX      | 131      |
| MERKÜR  | 50/55 HRC Düz Kanallı                             | PM     | 6HX      | 132      |
| JUPİTER | H SPEED Eğik Düz Kanallı                          | PM     | 6HX      | 133      |
| JUPİTER | H SPEED Eğik Ağız Bilemeli                        | PM     | 6HX      | 134      |
| JUPİTER | H SPEED 15° Helis Kanallı                         | PM     | 6HX      | 135      |
| GALAKSI | ÜNİVERSAL Ovalama Yağ Kanallı                     | HSS-E  | 6HX      | 136      |
| GALAKSI | ÜNİVERSAL Ovalama Yağ Kanalsız                    | PM     | 6HX      | 137      |
| GALAKSI | ÜNİVERSAL Ovalama Yağ Kanalsız                    | HSS-E  | 6HX      | 138      |
| GALAKSI | ÜNİVERSAL Ovalama Yağ Kanallı                     | PM     | 6HX      | 139      |

## Paftalar / Vida Tarağı

|  | Ürün Tanımı                           | Kalite | Standart      | Sayfa No |
|--|---------------------------------------|--------|---------------|----------|
|  | Metrik Normal Vidalı Pafta Lokması    | HSS    | DIN EN 22 568 | 142      |
|  | Metrik İnce Vidalı Pafta Lokması      | HSS    | DIN EN 22 568 | 143      |
|  | Whitworth Normal Vidalı Pafta Lokması | HSS    | DIN EN 22 568 | 144      |
|  | Whitworth Boru Vidalı Pafta Lokması   | HSS    | DIN EN 24 231 | 145      |
|  | USA Normal Vidalı Pafta Lokması - UNC | HSS    | DIN EN 22 568 | 146      |
|  | USA İnce Vidalı Pafta Lokması - UNF   | HSS    | DIN EN 22 568 | 147      |
|  | NPT 1/16 Konik Vidalı Pafta Lokması   | HSS    | MTE Normu     | 148      |

## Raybarlar

|  | Ürün Tanımı                           | Kalite | Standart | Sayfa No |
|--|---------------------------------------|--------|----------|----------|
|  | Silindirik Saplı El Raybası           | HSS    | DIN 206  | 150      |
|  | Silindirik Saplı Makina Raybası       | HSS    | DIN 212  | 152      |
|  | Silindirik Saplı Makina Raybası HSS-E | HSS-E  | DIN 212  | 153      |
|  | Mors Konik saplı Makina Raybası       | HSS    | DIN 208  | 154      |
|  | 1/50 Konik Pim Deliği Raybası         | HSS    | DIN 9    | 155      |



## Frezeler

| Ürün Tanımı                                   | Kalite         | Standart   | Sayfa No |
|-----------------------------------------------|----------------|------------|----------|
| Silindirik Saplı Parmak Freze - KISA BN       | HSS - E (%8Co) | DIN 844    | 158      |
| Silindirik Saplı Parmak Freze - UZUN BN       | HSS - E (%8Co) | DIN 844    | 160      |
| Silindirik Saplı Parmak Freze - KISA BNR      | HSS - E (%8Co) | DIN 844    | 161      |
| Silindirik Saplı Parmak Freze - UZUN BNR      | HSS - E (%8Co) | DIN 844    | 161      |
| Silindirik Saplı Delik Freze                  | HSS - E (%8Co) | DIN 327/D  | 162      |
| Silindirik Saplı Küresel Kalıpcı Freze - KISA | HSS - E (%8Co) | DIN 1889/B | 163      |
| Silindirik Saplı Küresel Kalıpcı Freze - UZUN | HSS - E (%8Co) | DIN 1889/B | 164      |
| Silindirik Saplı Yarı Freze - ÇAPRAZ DIŞLI    | HSS - E        | DIN 850/D  | 165      |
| Tek Ağızlı Alüminyum Freze                    | HSS - E (%8Co) | MTE Normu  | 166      |
| Tek Ağızlı Boyunlu Alüminyum Freze            | HSS - E (%8Co) | MTE Normu  | 166      |

## Havşa Frezeleri

| Ürün Tanımı                                             | Kalite | Standart  | Sayfa No |
|---------------------------------------------------------|--------|-----------|----------|
| Konik Sac Delme Matkabı                                 | HSS    | MTE Normu | 168      |
| Kademeli Sac Delme Matkabı                              | HSS    | MTE Normu | 168      |
| Silindirik Saplı Havşa Freze - 90°                      | HSS    | DIN 335/A | 169      |
| 3 Ağızlı Silindirik Saplı Havşa Freze - 90°             | HSS    | DIN 335/C | 169      |
| 3 Ağızlı Silindirik Saplı Havşa Freze - 90° TIN KAPLI   | HSS    | DIN 335/C | 170      |
| Silindirik Saplı Havşa Freze - 60°                      | HSS    | DIN 334/A | 170      |
| 3 Ağızlı Silindirik Saplı Havşa Freze - 60°             | HSS    | DIN 334/C | 171      |
| 3 Ağızlı Silindirik Saplı Havşa Freze - 60° - TIN KAPLI | HSS    | DIN 334/C | 171      |

## Torna Kalemleri

| Ürün Tanımı                          | Kalite          | Standart   | Sayfa No |
|--------------------------------------|-----------------|------------|----------|
| Yuvarlak Kesitli Torna Kalemı        | HSS - E (%10Co) | DIN 4964/A | 174      |
| Kare Kesitli Torna Kalemı            | HSS - E (%10Co) | DIN 4964/B | 175      |
| Trapez Kesitli Torna Kalemı - Metrik | HSS - E (%10Co) | DIN 4964/E | 176      |
| Trapez Kesitli Torna Kalemı - Inch   | HSS - E (%10Co) | DIN 4964/E | 177      |

## Testereler

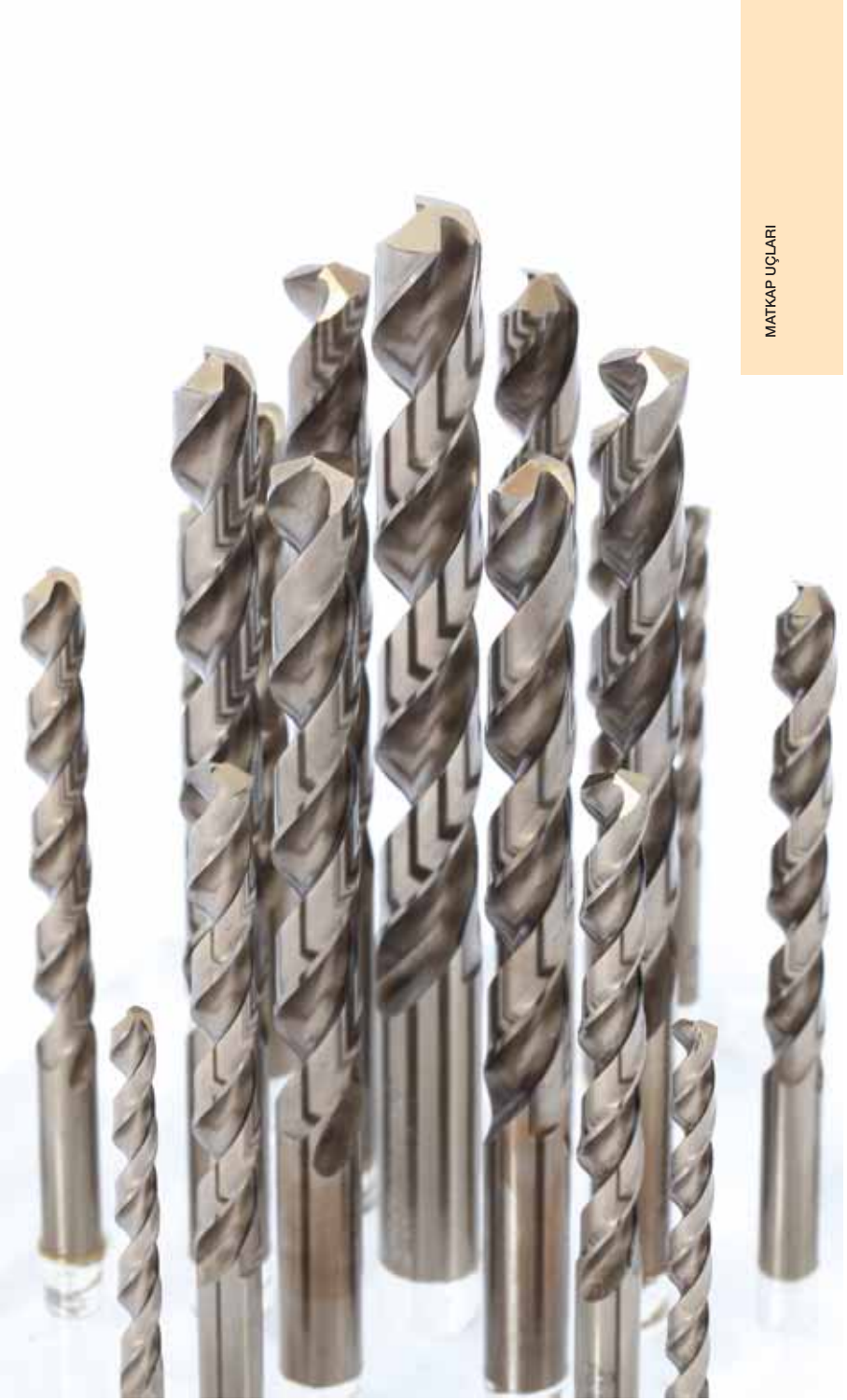
| Ürün Tanımı                           | Kalite      | Sayfa No |
|---------------------------------------|-------------|----------|
| Metaller İçin El Testere Lamaları     | WS - KROMLU | 178      |
| Metaller İçin Makina Testere Lamaları | HSS         | 179      |





|                                   |                                                                                                                             |                                                                                                                             |                                                                                                              |                |                |                |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------|----------------|----------------|
| Malzeme<br>Material               | <div>HSS</div> <div>Yüksek Hız Çeliği<br/>High Speed Steel</div>                                                            | <div>HSS-E</div> <div>Kobaltlı Yüksek Hız Çeliği<br/>High Speed Steel With Co</div>                                         | <div>KSM</div> <div>Komple Sert Metal<br/>Solid Carbide</div>                                                |                |                |                |
| Norm<br>Norm                      | <div>DIN<br/>9</div>                                                                                                        | <div>DIN<br/>8094</div>                                                                                                     |                                                                                                              |                |                |                |
| Tip<br>Type                       | <div>N</div>                                                                                                                | <div>H</div>                                                                                                                | <div>W</div>                                                                                                 |                |                |                |
| Uç Açısı<br>Point Angle           | <div><div>118°</div></div>                 | <div><div>130°</div></div>                 | <div><div>140°</div></div>  |                |                |                |
| Vida Tipi<br>Thread Type          | <div>M</div>                                                                                                                | <div>MF</div>                                                                                                               | <div>UNC</div>                                                                                               | <div>UNF</div> | <div>BSW</div> | <div>BSP</div> |
| Vida Profil Açısı<br>Thread Angle | <div><div>55°</div></div>                | <div><div>60°</div></div>                | <div><div>80°</div></div> |                |                |                |
| Helis Açısı<br>Helix Angle        | <div>R25°</div>                                                                                                             | <div>R35°</div>                                                                                                             | <div>R45°</div>                                                                                              |                |                |                |
| Kesme Yönü<br>Cutting Direction   | <div><div>Sağ<br/>Kesme Yönü</div></div> | <div><div>Sol<br/>Kesme Yönü</div></div> |                                                                                                              |                |                |                |
| Şaft Tipi<br>The Shank            | <div></div>                              | <div></div>                              | <div></div>               |                |                |                |





## MATKAP UÇLARI



MAKİNA TAKİM ENDÜSTRİSİ A.Ş.



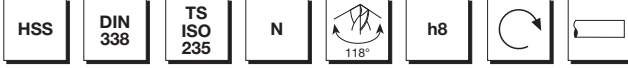
Silindirik Saplı Kısa Matkap Ucu - HADDELİ



| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>mm | TL/Adet |
|--------------|----------|----------|----------|---------|
| B00000000200 | 2,0      | 49       | 24       | 70,55   |
| B00000010210 | 2,1      | 49       | 24       | 80,30   |
| B00000010220 | 2,2      | 53       | 27       | 80,30   |
| B00000010230 | 2,3      | 53       | 27       | 80,30   |
| B00000010240 | 2,4      | 57       | 30       | 80,30   |
| B00000000250 | 2,5      | 57       | 30       | 72,31   |
| B00000010260 | 2,6      | 57       | 30       | 89,03   |
| B00000010270 | 2,7      | 61       | 33       | 89,03   |
| B00000010280 | 2,8      | 61       | 33       | 89,03   |
| B00000010290 | 2,9      | 61       | 33       | 89,03   |
| B00000000300 | 3,0      | 61       | 33       | 76,33   |
| B00000010310 | 3,1      | 65       | 36       | 89,03   |
| B00000010320 | 3,2      | 65       | 36       | 89,03   |
| B00000010330 | 3,3      | 65       | 36       | 85,89   |
| B00000010340 | 3,4      | 70       | 39       | 99,56   |
| B00000000350 | 3,5      | 70       | 39       | 85,52   |
| B00000010360 | 3,6      | 70       | 39       | 99,56   |
| B00000010370 | 3,7      | 70       | 39       | 114,84  |
| B00000010380 | 3,8      | 75       | 43       | 114,84  |
| B00000010390 | 3,9      | 75       | 43       | 114,84  |
| B00000000400 | 4,0      | 75       | 43       | 98,34   |
| B00000010410 | 4,1      | 75       | 43       | 121,07  |
| B00000010420 | 4,2      | 75       | 43       | 104,53  |
| B00000010430 | 4,3      | 80       | 47       | 121,07  |
| B00000010440 | 4,4      | 80       | 47       | 121,07  |
| B00000000450 | 4,5      | 80       | 47       | 111,55  |
| B00000010460 | 4,6      | 80       | 47       | 121,07  |
| B00000010470 | 4,7      | 80       | 47       | 138,50  |
| B00000010480 | 4,8      | 86       | 52       | 138,50  |
| B00000010490 | 4,9      | 86       | 52       | 138,50  |
| B00000000500 | 5,0      | 86       | 52       | 125,13  |
| B00000010510 | 5,1      | 86       | 52       | 124,98  |
| B00000010520 | 5,2      | 86       | 52       | 124,98  |
| B00000010530 | 5,3      | 86       | 52       | 143,71  |
| B00000010540 | 5,4      | 93       | 57       | 176,14  |
| B00000000550 | 5,5      | 93       | 57       | 154,16  |
| B00000010560 | 5,6      | 93       | 57       | 176,14  |
| B00000010570 | 5,7      | 93       | 57       | 176,14  |
| B00000010580 | 5,8      | 93       | 57       | 176,14  |



Silindirik Saplı Kısa Matkap Ucu - HADDELİ



| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>mm | TL/Adet       |
|--------------|----------|----------|----------|---------------|
| B00000010590 | 5,9      | 93       | 57       | <b>179,81</b> |
| B00000000600 | 6,0      | 93       | 57       | <b>164,01</b> |
| B00000010610 | 6,1      | 101      | 63       | <b>216,54</b> |
| B00000010620 | 6,2      | 101      | 63       | <b>216,54</b> |
| B00000010630 | 6,3      | 101      | 63       | <b>216,54</b> |
| B00000010640 | 6,4      | 101      | 63       | <b>226,61</b> |
| B00000000650 | 6,5      | 101      | 63       | <b>201,46</b> |
| B00000010660 | 6,6      | 101      | 63       | <b>240,72</b> |
| B00000010670 | 6,7      | 101      | 63       | <b>240,72</b> |
| B00000010680 | 6,8      | 109      | 69       | <b>250,66</b> |
| B00000010690 | 6,9      | 109      | 69       | <b>287,32</b> |
| B00000000700 | 7,0      | 109      | 69       | <b>238,62</b> |
| B00000010710 | 7,1      | 109      | 69       | <b>307,73</b> |
| B00000010720 | 7,2      | 109      | 69       | <b>307,73</b> |
| B00000010730 | 7,3      | 109      | 69       | <b>307,73</b> |
| B00000010740 | 7,4      | 109      | 69       | <b>307,73</b> |
| B00000000750 | 7,5      | 109      | 69       | <b>271,63</b> |
| B00000010760 | 7,6      | 117      | 75       | <b>337,88</b> |
| B00000010770 | 7,7      | 117      | 75       | <b>337,88</b> |
| B00000010780 | 7,8      | 117      | 75       | <b>337,88</b> |
| B00000010790 | 7,9      | 117      | 75       | <b>337,88</b> |
| B00000000800 | 8,0      | 117      | 75       | <b>294,47</b> |
| B00000010810 | 8,1      | 117      | 75       | <b>375,78</b> |
| B00000010820 | 8,2      | 117      | 75       | <b>375,78</b> |
| B00000010830 | 8,3      | 117      | 75       | <b>375,78</b> |
| B00000010840 | 8,4      | 117      | 75       | <b>375,78</b> |
| B00000000850 | 8,5      | 117      | 75       | <b>340,88</b> |
| B00000010860 | 8,6      | 125      | 81       | <b>482,54</b> |
| B00000010870 | 8,7      | 125      | 81       | <b>482,54</b> |
| B00000010880 | 8,8      | 125      | 81       | <b>482,54</b> |
| B00000010890 | 8,9      | 125      | 81       | <b>482,54</b> |
| B00000000900 | 9,0      | 125      | 81       | <b>379,84</b> |
| B00000010910 | 9,1      | 125      | 81       | <b>487,48</b> |
| B00000010920 | 9,2      | 125      | 81       | <b>487,48</b> |
| B00000010930 | 9,3      | 125      | 81       | <b>504,86</b> |
| B00000010940 | 9,4      | 125      | 81       | <b>504,86</b> |
| B00000000950 | 9,5      | 125      | 81       | <b>435,71</b> |
| B00000010960 | 9,6      | 133      | 87       | <b>536,47</b> |
| B00000010970 | 9,7      | 133      | 87       | <b>536,47</b> |
| B00000010980 | 9,8      | 133      | 87       | <b>572,12</b> |
| B00000010990 | 9,9      | 133      | 87       | <b>572,12</b> |
| B00000001000 | 10,0     | 133      | 87       | <b>469,84</b> |
| B00000011010 | 10,1     | 133      | 87       | <b>661,26</b> |
| B00000011020 | 10,2     | 133      | 87       | <b>610,55</b> |
| B00000011030 | 10,3     | 133      | 87       | <b>791,32</b> |



Silindirik Saplı Kısa Matkap Ucu - HADDELİ



| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>mm | TL/Adet  |
|--------------|----------|----------|----------|----------|
| B00000011040 | 10,4     | 133      | 87       | 791,32   |
| B00000011050 | 10,5     | 133      | 87       | 544,35   |
| B00000011060 | 10,6     | 133      | 87       | 815,71   |
| B00000011070 | 10,7     | 142      | 94       | 972,18   |
| B00000011080 | 10,8     | 142      | 94       | 844,86   |
| B00000011090 | 10,9     | 142      | 94       | 990,01   |
| B00000011100 | 11,0     | 142      | 94       | 638,22   |
| B00000011110 | 11,1     | 142      | 94       | 1.012,61 |
| B00000011120 | 11,2     | 142      | 94       | 1.023,47 |
| B00000011130 | 11,3     | 142      | 94       | 1.023,47 |
| B00000011140 | 11,4     | 142      | 94       | 1.023,47 |
| B00000011150 | 11,5     | 142      | 94       | 672,90   |
| B00000011160 | 11,6     | 142      | 94       | 1.023,47 |
| B00000011170 | 11,7     | 142      | 94       | 1.023,47 |
| B00000011180 | 11,8     | 142      | 94       | 1.023,47 |
| B00000011190 | 11,9     | 151      | 101      | 1.204,34 |
| B0000001200  | 12,0     | 151      | 101      | 738,39   |
| B0000001210  | 12,1     | 151      | 101      | 1.285,43 |
| B0000001220  | 12,2     | 151      | 101      | 1.285,43 |
| B0000001230  | 12,3     | 151      | 101      | 1.285,43 |
| B0000001240  | 12,4     | 151      | 101      | 1.285,43 |
| B0000001250  | 12,5     | 151      | 101      | 798,90   |
| B0000001260  | 12,6     | 151      | 101      | 1.318,38 |
| B0000001270  | 12,7     | 151      | 101      | 1.164,52 |
| B0000001280  | 12,8     | 151      | 101      | 1.285,43 |
| B0000001290  | 12,9     | 151      | 101      | 1.470,37 |
| B0000001300  | 13,0     | 151      | 101      | 852,85   |
| B0000001310  | 13,1     | 151      | 101      | 1.606,74 |
| B0000001320  | 13,2     | 151      | 101      | 1.606,74 |



Silindirik Saplı Kısa Matkap Ucu - TAŞLANMIŞ



| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>mm | TL/Adet |
|--------------|----------|----------|----------|---------|
| B00007000040 | 0,40     | 20       | 5        | 419,75  |
| B00007000050 | 0,50     | 22       | 6        | 278,89  |
| B00007000060 | 0,60     | 24       | 7        | 290,39  |
| B00007000070 | 0,70     | 28       | 9        | 290,39  |
| B00007000080 | 0,80     | 30       | 10       | 290,39  |
| B00007000090 | 0,90     | 32       | 11       | 238,12  |
| B00007000100 | 1,00     | 34       | 12       | 101,97  |
| B00007000110 | 1,10     | 36       | 14       | 191,40  |
| B00007000120 | 1,20     | 38       | 16       | 191,40  |
| B00007000130 | 1,30     | 38       | 16       | 191,40  |
| B00007000140 | 1,40     | 40       | 18       | 191,40  |
| B00007000150 | 1,50     | 40       | 18       | 72,31   |
| B00007000160 | 1,60     | 43       | 20       | 146,85  |
| B00007000170 | 1,70     | 43       | 20       | 146,85  |
| B00007000180 | 1,80     | 46       | 22       | 146,85  |
| B00007000190 | 1,90     | 46       | 22       | 146,85  |
| B00007000200 | 2,00     | 49       | 24       | 78,96   |
| B00007000210 | 2,10     | 49       | 24       | 98,34   |
| B00007000220 | 2,20     | 53       | 27       | 98,34   |
| B00007000230 | 2,30     | 53       | 27       | 98,34   |
| B00007000240 | 2,40     | 57       | 30       | 98,34   |
| B00007000250 | 2,50     | 57       | 30       | 84,74   |
| B00007000260 | 2,60     | 57       | 30       | 109,20  |
| B00007000270 | 2,70     | 61       | 33       | 109,20  |
| B00007000280 | 2,80     | 61       | 33       | 109,20  |
| B00007000290 | 2,90     | 61       | 33       | 109,20  |
| B00007000300 | 3,00     | 61       | 33       | 85,25   |
| B00007000310 | 3,10     | 65       | 36       | 109,20  |
| B00007000320 | 3,20     | 65       | 36       | 109,20  |
| B00007000330 | 3,30     | 65       | 36       | 104,96  |
| B00007000340 | 3,40     | 70       | 39       | 121,61  |
| B00007000350 | 3,50     | 70       | 39       | 100,00  |
| B00007000360 | 3,60     | 70       | 39       | 140,40  |
| B00007000370 | 3,70     | 70       | 39       | 140,40  |
| B00007000380 | 3,80     | 75       | 43       | 140,40  |
| B00007000390 | 3,90     | 75       | 43       | 140,40  |
| B00007000400 | 4,00     | 75       | 43       | 110,19  |
| B00007000410 | 4,10     | 75       | 43       | 147,69  |
| B00007000420 | 4,20     | 75       | 43       | 127,25  |

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

Siparişlerinize Termin Verilecektir.



Silindirik Saplı Kısa Matkap Ucu - TAŞLANMIŞ



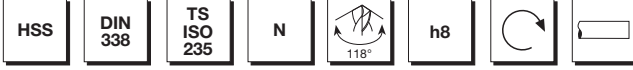
| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>mm | TL/Adet |
|--------------|----------|----------|----------|---------|
| B00007000430 | 4,30     | 80       | 47       | 147,69  |
| B00007000440 | 4,40     | 80       | 47       | 147,69  |
| B00007000450 | 4,50     | 80       | 47       | 130,54  |
| B00007000460 | 4,60     | 80       | 47       | 147,69  |
| B00007000470 | 4,70     | 80       | 47       | 169,11  |
| B00007000480 | 4,80     | 86       | 52       | 169,11  |
| B00007000490 | 4,90     | 86       | 52       | 169,11  |
| B00007000500 | 5,00     | 86       | 52       | 140,40  |
| B00007000510 | 5,10     | 86       | 52       | 159,39  |
| B00007000520 | 5,20     | 86       | 52       | 159,39  |
| B00007000530 | 5,30     | 86       | 52       | 182,80  |
| B00007000540 | 5,40     | 93       | 57       | 223,97  |
| B00007000550 | 5,50     | 93       | 57       | 188,00  |
| B00007000560 | 5,60     | 93       | 57       | 223,97  |
| B00007000570 | 5,70     | 93       | 57       | 223,97  |
| B00007000580 | 5,80     | 93       | 57       | 223,97  |
| B00007000590 | 5,90     | 93       | 57       | 228,68  |
| B00007000600 | 6,00     | 93       | 57       | 191,97  |
| B00007000610 | 6,10     | 101      | 63       | 275,39  |
| B00007000620 | 6,20     | 101      | 63       | 275,39  |
| B00007000630 | 6,30     | 101      | 63       | 275,39  |
| B00007000640 | 6,40     | 101      | 63       | 288,48  |
| B00007000650 | 6,50     | 101      | 63       | 246,38  |
| B00007000660 | 6,60     | 101      | 63       | 306,31  |
| B00007000670 | 6,70     | 101      | 63       | 306,31  |
| B00007000680 | 6,80     | 109      | 69       | 318,80  |
| B00007000690 | 6,90     | 109      | 69       | 365,32  |
| B00007000700 | 7,00     | 109      | 69       | 279,30  |
| B00007000710 | 7,10     | 109      | 69       | 391,54  |
| B00007000720 | 7,20     | 109      | 69       | 391,54  |
| B00007000730 | 7,30     | 109      | 69       | 391,54  |
| B00007000740 | 7,40     | 109      | 69       | 391,54  |
| B00007000750 | 7,50     | 109      | 69       | 332,10  |
| B00007000760 | 7,60     | 117      | 75       | 429,81  |
| B00007000770 | 7,70     | 117      | 75       | 429,81  |
| B00007000780 | 7,80     | 117      | 75       | 429,81  |
| B00007000790 | 7,90     | 117      | 75       | 429,81  |
| B00007000800 | 8,00     | 117      | 75       | 344,53  |
| B00007000810 | 8,10     | 117      | 75       | 477,95  |
| B00007000820 | 8,20     | 117      | 75       | 477,95  |
| B00007000830 | 8,30     | 117      | 75       | 477,95  |
| B00007000840 | 8,40     | 117      | 75       | 477,95  |
| B00007000850 | 8,50     | 117      | 75       | 416,11  |
| B00007000860 | 8,60     | 125      | 81       | 614,21  |
| B00007000870 | 8,70     | 125      | 81       | 614,21  |

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

Siparişlerinize Termin Verilecektir.



Silindirik Saplı Kısa Matkap Ucu - TAŞLANMIŞ



| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>mm | TL/Adet  |
|--------------|----------|----------|----------|----------|
| B00007000880 | 8,80     | 125      | 81       | 614,21   |
| B00007000890 | 8,90     | 125      | 81       | 614,21   |
| B00007000900 | 9,00     | 125      | 81       | 444,55   |
| B00007000910 | 9,10     | 125      | 81       | 620,18   |
| B00007000920 | 9,20     | 125      | 81       | 620,18   |
| B00007000930 | 9,30     | 125      | 81       | 642,45   |
| B00007000940 | 9,40     | 125      | 81       | 642,45   |
| B00007000950 | 9,50     | 125      | 81       | 531,82   |
| B00007000960 | 9,60     | 133      | 87       | 682,54   |
| B00007000970 | 9,70     | 133      | 87       | 682,54   |
| B00007000980 | 9,80     | 133      | 87       | 727,72   |
| B00007000990 | 9,90     | 133      | 87       | 727,72   |
| B00007001000 | 10,00    | 133      | 87       | 549,94   |
| B00007001010 | 10,10    | 133      | 87       | 841,46   |
| B00007001020 | 10,20    | 133      | 87       | 776,96   |
| B00007001030 | 10,30    | 133      | 87       | 1.006,33 |
| B00007001040 | 10,40    | 133      | 87       | 1.006,33 |
| B00007001050 | 10,50    | 133      | 87       | 665,04   |
| B00007001060 | 10,60    | 133      | 87       | 1.037,61 |
| B00007001070 | 10,70    | 142      | 94       | 1.237,16 |
| B00007001080 | 10,80    | 142      | 94       | 1.074,87 |
| B00007001090 | 10,90    | 142      | 94       | 1.259,70 |
| B00007001100 | 11,00    | 142      | 94       | 747,03   |
| B00007001110 | 11,10    | 142      | 94       | 1.288,11 |
| B00007001120 | 11,20    | 142      | 94       | 1.301,82 |
| B00007001130 | 11,30    | 142      | 94       | 1.301,82 |
| B00007001140 | 11,40    | 142      | 94       | 1.301,82 |
| B00007001150 | 11,50    | 142      | 94       | 821,39   |
| B00007001160 | 11,60    | 142      | 94       | 1.301,82 |
| B00007001170 | 11,70    | 142      | 94       | 1.301,82 |
| B00007001180 | 11,80    | 142      | 94       | 1.301,82 |
| B00007001190 | 11,90    | 151      | 101      | 1.531,96 |
| B00007001200 | 12,00    | 151      | 101      | 864,02   |
| B00007001210 | 12,10    | 151      | 101      | 1.635,17 |
| B00007001220 | 12,20    | 151      | 101      | 1.635,17 |
| B00007001230 | 12,30    | 151      | 101      | 1.635,17 |
| B00007001240 | 12,40    | 151      | 101      | 1.635,17 |
| B00007001250 | 12,50    | 151      | 101      | 975,39   |
| B00007001260 | 12,60    | 151      | 101      | 1.676,91 |
| B00007001270 | 12,70    | 151      | 101      | 1.481,48 |
| B00007001280 | 12,80    | 151      | 101      | 1.635,17 |
| B00007001290 | 12,90    | 151      | 101      | 1.870,90 |
| B00007001300 | 13,00    | 151      | 101      | 997,97   |
| B00007001310 | 13,10    | 151      | 101      | 2.043,92 |
| B00007001320 | 13,20    | 151      | 101      | 2.043,92 |

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

Siparişlerinize Termin Verilecektir.

Devamı sayfa 18' dedir



Silindirik Saplı Kısa Matkap Ucu - TAŞLANMIŞ



| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>mm | TL/Adet  |
|--------------|----------|----------|----------|----------|
| B00007001330 | 13,30    | 160      | 108      | 2.043,92 |
| B00007001340 | 13,40    | 160      | 108      | 2.043,92 |
| B00007001350 | 13,50    | 160      | 108      | 1.732,41 |
| B00007001360 | 13,60    | 160      | 108      | 2.043,92 |
| B00007001370 | 13,70    | 160      | 108      | 2.043,92 |
| B00007001380 | 13,80    | 160      | 108      | 2.043,92 |
| B00007001390 | 13,90    | 160      | 108      | 2.043,92 |
| B00007001400 | 14,00    | 160      | 108      | 1.835,89 |
| B00007001410 | 14,10    | 169      | 114      | 2.564,57 |
| B00007001420 | 14,20    | 169      | 114      | 2.564,57 |
| B00007001430 | 14,30    | 169      | 114      | 2.564,57 |
| B00007001440 | 14,40    | 169      | 114      | 2.564,57 |
| B00007001450 | 14,50    | 169      | 114      | 2.049,98 |
| B00007001460 | 14,60    | 169      | 114      | 2.583,66 |
| B00007001470 | 14,70    | 169      | 114      | 2.583,66 |
| B00007001480 | 14,80    | 169      | 114      | 2.583,66 |
| B00007001490 | 14,90    | 169      | 114      | 2.583,66 |
| B00007001500 | 15,00    | 169      | 114      | 2.144,42 |
| B00007001510 | 15,10    | 178      | 120      | 3.813,47 |
| B00007001520 | 15,20    | 178      | 120      | 3.639,55 |
| B00007001530 | 15,30    | 178      | 120      | 3.697,21 |
| B00007001540 | 15,40    | 178      | 120      | 3.697,21 |
| B00007001550 | 15,50    | 178      | 120      | 2.337,52 |
| B00007001560 | 15,60    | 178      | 120      | 3.860,32 |
| B00007001570 | 15,70    | 178      | 120      | 3.860,32 |
| B00007001580 | 15,80    | 178      | 120      | 3.522,94 |
| B00007001590 | 15,90    | 178      | 120      | 4.219,46 |
| B00007001600 | 16,00    | 178      | 120      | 2.525,63 |
| B00007001610 | 16,10    | 184      | 125      | 3.806,86 |
| B00007001620 | 16,20    | 184      | 125      | 4.001,31 |
| B00007001630 | 16,30    | 184      | 125      | 4.585,77 |
| B00007001640 | 16,40    | 184      | 125      | 4.585,77 |
| B00007001650 | 16,50    | 184      | 125      | 2.878,91 |
| B00007001660 | 16,60    | 184      | 125      | 5.541,75 |
| B00007001670 | 16,70    | 184      | 125      | 5.541,75 |
| B00007001680 | 16,80    | 184      | 125      | 5.701,00 |
| B00007001690 | 16,90    | 184      | 125      | 5.701,00 |
| B00007001700 | 17,00    | 184      | 125      | 3.079,00 |
| B00007001710 | 17,10    | 191      | 130      | 5.788,86 |
| B00007001720 | 17,20    | 191      | 130      | 5.788,86 |
| B00007001730 | 17,30    | 191      | 130      | 5.788,86 |
| B00007001740 | 17,40    | 191      | 130      | 5.788,86 |
| B00007001750 | 17,50    | 191      | 130      | 3.356,77 |
| B00007001760 | 17,60    | 191      | 130      | 6.311,97 |
| B00007001770 | 17,70    | 191      | 130      | 6.311,97 |
| B00007001780 | 17,80    | 191      | 130      | 6.311,97 |

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

Siparişlerinize Termin Verilecektir.



Silindirik Saplı Kısa Matkap Ucu - TAŞLANMIŞ



| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>mm | TL/Adet  |
|--------------|----------|----------|----------|----------|
| B00007001790 | 17,90    | 191      | 130      | 6.311,97 |
| B00007001800 | 18,00    | 191      | 130      | 3.558,52 |
| B00007001810 | 18,10    | 198      | 135      | 6.692,32 |
| B00007001820 | 18,20    | 198      | 135      | 6.692,32 |
| B00007001830 | 18,30    | 198      | 135      | 6.692,32 |
| B00007001840 | 18,40    | 198      | 135      | 6.692,32 |
| B00007001850 | 18,50    | 198      | 135      | 3.878,95 |
| B00007001860 | 18,60    | 198      | 135      | 7.294,17 |
| B00007001870 | 18,70    | 198      | 135      | 7.294,17 |
| B00007001880 | 18,80    | 198      | 135      | 7.294,17 |
| B00007001890 | 18,90    | 198      | 135      | 7.294,17 |
| B00007001900 | 19,00    | 198      | 135      | 4.189,68 |
| B00007001910 | 19,10    | 205      | 140      | 7.878,53 |
| B00007001920 | 19,20    | 205      | 140      | 7.878,53 |
| B00007001930 | 19,30    | 205      | 140      | 7.878,53 |
| B00007001940 | 19,40    | 205      | 140      | 7.878,53 |
| B00007001950 | 19,50    | 205      | 140      | 4.824,68 |
| B00007001960 | 19,60    | 205      | 140      | 9.073,41 |
| B00007001970 | 19,70    | 205      | 140      | 9.073,41 |
| B00007001980 | 19,80    | 205      | 140      | 9.073,41 |
| B00007001990 | 19,90    | 205      | 140      | 9.073,41 |
| B00007002000 | 20,00    | 205      | 140      | 4.824,68 |
| B00002102050 | 20,50    | 213      | 145      | 5.428,72 |
| B00002102100 | 21,00    | 213      | 145      | 5.500,79 |
| B00002102150 | 21,50    | 221      | 150      | 6.079,85 |
| B00002102200 | 22,00    | 221      | 150      | 6.200,43 |
| B00002102250 | 22,50    | 229      | 155      | 6.828,00 |
| B00002102300 | 23,00    | 229      | 155      | 6.876,35 |
| B00002102350 | 23,50    | 229      | 155      | 6.996,55 |
| B00002102400 | 24,00    | 236      | 160      | 7.648,24 |
| B00002102450 | 24,50    | 236      | 160      | 8.106,51 |
| B00002102500 | 25,00    | 236      | 160      | 8.468,30 |

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

Siparişlerinize Termin Verilecektir.



Silindirik Saplı Kısa Matkap Ucu - ALTIN SERİ

HSS-E  
(%5 Co)

DIN  
338

TS  
ISO  
235

ÖZEL



h8



| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>mm | TL/Adet |
|--------------|----------|----------|----------|---------|
| B00005000100 | 1,00     | 34       | 12       | 193,78  |
| B00005000110 | 1,10     | 36       | 14       | 363,76  |
| B00005000120 | 1,20     | 38       | 16       | 363,76  |
| B00005000130 | 1,30     | 38       | 16       | 363,76  |
| B00005000140 | 1,40     | 40       | 18       | 363,76  |
| B00005000150 | 1,50     | 40       | 18       | 138,90  |
| B00005000160 | 1,60     | 43       | 20       | 281,06  |
| B00005000170 | 1,70     | 43       | 20       | 281,06  |
| B00005000180 | 1,80     | 46       | 22       | 281,06  |
| B00005000190 | 1,90     | 46       | 22       | 281,06  |
| B00005000200 | 2,00     | 49       | 24       | 136,50  |
| B00005000210 | 2,10     | 49       | 24       | 173,37  |
| B00005000220 | 2,20     | 53       | 27       | 173,37  |
| B00005000230 | 2,30     | 53       | 27       | 173,37  |
| B00005000240 | 2,40     | 57       | 30       | 173,37  |
| B00005000250 | 2,50     | 57       | 30       | 140,19  |
| B00005000260 | 2,60     | 57       | 30       | 191,86  |
| B00005000270 | 2,70     | 61       | 33       | 191,86  |
| B00005000280 | 2,80     | 61       | 33       | 191,86  |
| B00005000290 | 2,90     | 61       | 33       | 191,86  |
| B00005000300 | 3,00     | 61       | 33       | 149,84  |
| B00005000310 | 3,10     | 65       | 36       | 191,86  |
| B00005000320 | 3,20     | 65       | 36       | 191,86  |
| B00005000330 | 3,30     | 65       | 36       | 184,47  |
| B00005000340 | 3,40     | 70       | 39       | 214,23  |
| B00005000350 | 3,50     | 70       | 39       | 174,03  |
| B00005000360 | 3,60     | 70       | 39       | 225,92  |
| B00005000370 | 3,70     | 70       | 39       | 247,12  |
| B00005000380 | 3,80     | 75       | 43       | 247,12  |
| B00005000390 | 3,90     | 75       | 43       | 247,12  |
| B00005000400 | 4,00     | 75       | 43       | 210,26  |
| B00005000410 | 4,10     | 75       | 43       | 260,04  |
| B00005000420 | 4,20     | 75       | 43       | 224,98  |
| B00005000430 | 4,30     | 80       | 47       | 260,04  |
| B00005000440 | 4,40     | 80       | 47       | 260,04  |
| B00005000450 | 4,50     | 80       | 47       | 237,21  |
| B00005000460 | 4,60     | 80       | 47       | 260,04  |
| B00005000470 | 4,70     | 80       | 47       | 296,67  |
| B00005000480 | 4,80     | 86       | 52       | 296,67  |

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

Siparişlerinize Termin Verilecektir.



Silindirik Saplı Kısa Matkap Ucu - ALTIN SERİ



| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>mm | TL/Adet  |
|--------------|----------|----------|----------|----------|
| B00005000490 | 4,90     | 86       | 52       | 296,67   |
| B00005000500 | 5,00     | 86       | 52       | 268,07   |
| B00005000510 | 5,10     | 86       | 52       | 266,08   |
| B00005000520 | 5,20     | 86       | 52       | 267,37   |
| B00005000530 | 5,30     | 86       | 52       | 308,10   |
| B00005000540 | 5,40     | 93       | 57       | 379,23   |
| B00005000550 | 5,50     | 93       | 57       | 328,19   |
| B00005000560 | 5,60     | 93       | 57       | 379,23   |
| B00005000570 | 5,70     | 93       | 57       | 379,23   |
| B00005000580 | 5,80     | 93       | 57       | 379,23   |
| B00005000590 | 5,90     | 93       | 57       | 386,12   |
| B00005000600 | 6,00     | 93       | 57       | 350,02   |
| B00005000610 | 6,10     | 101      | 63       | 467,22   |
| B00005000620 | 6,20     | 101      | 63       | 467,22   |
| B00005000630 | 6,30     | 101      | 63       | 467,22   |
| B00005000640 | 6,40     | 101      | 63       | 489,14   |
| B00005000650 | 6,50     | 101      | 63       | 429,71   |
| B00005000660 | 6,60     | 101      | 63       | 520,67   |
| B00005000670 | 6,70     | 101      | 63       | 520,67   |
| B00005000680 | 6,80     | 109      | 69       | 543,47   |
| B00005000690 | 6,90     | 109      | 69       | 623,24   |
| B00005000700 | 7,00     | 109      | 69       | 514,40   |
| B00005000710 | 7,10     | 109      | 69       | 665,43   |
| B00005000720 | 7,20     | 109      | 69       | 665,81   |
| B00005000730 | 7,30     | 109      | 69       | 665,81   |
| B00005000740 | 7,40     | 109      | 69       | 665,81   |
| B00005000750 | 7,50     | 109      | 69       | 583,09   |
| B00005000760 | 7,60     | 117      | 75       | 733,43   |
| B00005000770 | 7,70     | 117      | 75       | 733,43   |
| B00005000780 | 7,80     | 117      | 75       | 733,43   |
| B00005000790 | 7,90     | 117      | 75       | 733,43   |
| B00005000800 | 8,00     | 117      | 75       | 625,67   |
| B00005000810 | 8,10     | 117      | 75       | 813,50   |
| B00005000820 | 8,20     | 117      | 75       | 813,50   |
| B00005000830 | 8,30     | 117      | 75       | 813,50   |
| B00005000840 | 8,40     | 117      | 75       | 813,50   |
| B00005000850 | 8,50     | 117      | 75       | 727,72   |
| B00005000860 | 8,60     | 125      | 81       | 1.036,67 |
| B00005000870 | 8,70     | 125      | 81       | 1.036,67 |
| B00005000880 | 8,80     | 125      | 81       | 1.036,67 |
| B00005000890 | 8,90     | 125      | 81       | 1.036,67 |
| B00005000900 | 9,00     | 125      | 81       | 815,26   |
| B00005000910 | 9,10     | 125      | 81       | 1.043,77 |
| B00005000920 | 9,20     | 125      | 81       | 1.043,77 |
| B00005000930 | 9,30     | 125      | 81       | 1.041,60 |

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



Silindirik Saplı Kısa Matkap Ucu - ALTIN SERİ



| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>mm | TL/Adet         |
|--------------|----------|----------|----------|-----------------|
| B00005000940 | 9,40     | 125      | 81       | <b>1.041,60</b> |
| B00005000950 | 9,50     | 125      | 81       | <b>926,58</b>   |
| B00005000960 | 9,60     | 133      | 87       | <b>1.222,09</b> |
| B00005000970 | 9,70     | 133      | 87       | <b>1.222,09</b> |
| B00005000980 | 9,80     | 133      | 87       | <b>1.222,09</b> |
| B00005000990 | 9,90     | 133      | 87       | <b>1.222,09</b> |
| B00005001000 | 10,00    | 133      | 87       | <b>995,89</b>   |
| B00005001010 | 10,10    | 133      | 87       | <b>1.414,53</b> |
| B00005001020 | 10,20    | 133      | 87       | <b>1.304,36</b> |
| B00005001030 | 10,30    | 133      | 87       | *               |
| B00005001040 | 10,40    | 133      | 87       | *               |
| B00005001050 | 10,50    | 133      | 87       | <b>1.158,50</b> |
| B00005001060 | 10,60    | 133      | 87       | *               |
| B00005001070 | 10,70    | 142      | 94       | *               |
| B00005001080 | 10,80    | 142      | 94       | <b>1.816,81</b> |
| B00005001090 | 10,90    | 142      | 94       | *               |
| B00005001100 | 11,00    | 142      | 94       | <b>1.352,57</b> |
| 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       | <b>1.424,50</b> |
| 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      | <b>1.575,31</b> |
| 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      | <b>1.700,41</b> |
| 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      | <b>1.811,35</b> |
| B00005001310 | 13,10    | 151      | 101      | *               |
| B00005001320 | 13,20    | 151      | 101      | *               |
| B00005001350 | 13,50    | 160      | 108      | <b>3.103,83</b> |
| B00005001400 | 14,00    | 160      | 108      | <b>3.284,15</b> |
| B00005001450 | 14,50    | 169      | 114      | <b>3.668,90</b> |
| B00005001500 | 15,00    | 169      | 114      | <b>3.842,39</b> |
| B00005001550 | 15,50    | 178      | 120      | <b>4.004,62</b> |
| B00005001600 | 16,00    | 178      | 120      | <b>4.396,04</b> |

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



MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

### Silindirik Saplı Kısa Matkap Ucu - ALTIN SERİ

HSS-E  
(%5 Co)

DIN  
338

TS  
ISO  
235

ÖZEL



h8



| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>mm | TL/Adet         |
|--------------|----------|----------|----------|-----------------|
| B00005001650 | 16,50    | 184      | 125      | <b>4.572,17</b> |
| B00005001700 | 17,00    | 184      | 125      | <b>4.794,73</b> |
| B00005001750 | 17,50    | 191      | 130      | <b>5.142,15</b> |
| B00005001800 | 18,00    | 191      | 130      | <b>5.211,43</b> |
| B00005001850 | 18,50    | 198      | 135      | <b>5.668,61</b> |
| B00005001900 | 19,00    | 198      | 135      | <b>6.160,88</b> |
| B00005001950 | 19,50    | 205      | 140      | <b>6.740,15</b> |
| B00005002000 | 20,00    | 205      | 140      | <b>6.879,11</b> |
| 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      | *               |
|              |          |          |          | *               |

MATKAP UÇLARI

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

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.



MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

Silindirik Saplı Uzun Matkap Ucu - ALTIN SERİ



| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>mm | TL/Adet |
|--------------|----------|----------|----------|---------|
| B00008600100 | 1,00     | 56       | 33       | 739,56  |
| B00008600110 | 1,10     | 60       | 37       | 746,74  |
| B00008600120 | 1,20     | 65       | 41       | 713,66  |
| B00008600130 | 1,30     | 65       | 41       | 647,21  |
| B00008600140 | 1,40     | 70       | 45       | 608,40  |
| B00008600150 | 1,50     | 70       | 45       | 515,19  |
| B00008600160 | 1,60     | 76       | 50       | 548,13  |
| B00008600170 | 1,70     | 76       | 50       | 548,13  |
| B00008600180 | 1,80     | 80       | 53       | 548,13  |
| B00008600190 | 1,90     | 80       | 53       | 548,13  |
| B00008600200 | 2,00     | 85       | 56       | 350,73  |
| B00008600210 | 2,10     | 85       | 56       | 449,63  |
| B00008600220 | 2,20     | 90       | 59       | 449,63  |
| B00008600230 | 2,30     | 90       | 59       | 449,63  |
| B00008600240 | 2,40     | 95       | 62       | 449,63  |
| B00008600250 | 2,50     | 95       | 62       | 370,83  |
| B00008600260 | 2,60     | 95       | 62       | 476,08  |
| B00008600270 | 2,70     | 100      | 66       | 476,08  |
| B00008600280 | 2,80     | 100      | 66       | 476,08  |
| B00008600290 | 2,90     | 100      | 66       | 482,52  |
| B00008600300 | 3,00     | 100      | 66       | 370,83  |
| B00008600310 | 3,10     | 106      | 69       | 482,52  |
| B00008600320 | 3,20     | 106      | 69       | 410,42  |
| B00008600330 | 3,30     | 106      | 69       | 456,00  |
| B00008600340 | 3,40     | 112      | 73       | 508,41  |
| B00008600350 | 3,50     | 112      | 73       | 449,63  |
| B00008600360 | 3,60     | 112      | 73       | 508,41  |
| B00008600370 | 3,70     | 112      | 73       | 529,31  |
| B00008600380 | 3,80     | 119      | 78       | 521,82  |
| B00008600390 | 3,90     | 119      | 78       | 573,93  |
| B00008600400 | 4,00     | 119      | 78       | 496,58  |
| B00008600410 | 4,10     | 119      | 78       | 588,18  |
| B00008600420 | 4,20     | 119      | 78       | 501,80  |
| B00008600430 | 4,30     | 126      | 82       | 621,27  |
| B00008600440 | 4,40     | 126      | 82       | 621,27  |
| B00008600450 | 4,50     | 126      | 82       | 555,57  |
| B00008600460 | 4,60     | 126      | 82       | 635,92  |
| B00008600470 | 4,70     | 126      | 82       | 661,26  |
| B00008600480 | 4,80     | 132      | 87       | 661,26  |

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

Siparişlerinize Termin Verilecektir. 24

Devamı sayfa 25'dedir



Silindirik Saplı Uzun Matkap Ucu - ALTIN SERİ



| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>mm | TL/Adet  |
|--------------|----------|----------|----------|----------|
| B00008600490 | 4,90     | 132      | 87       | 661,26   |
| B00008600500 | 5,00     | 132      | 87       | 628,66   |
| B00008600510 | 5,10     | 132      | 87       | 693,59   |
| B00008600520 | 5,20     | 132      | 87       | 720,77   |
| B00008600530 | 5,30     | 132      | 87       | 700,46   |
| B00008600540 | 5,40     | 139      | 91       | 700,46   |
| B00008600550 | 5,50     | 139      | 91       | 720,77   |
| B00008600560 | 5,60     | 139      | 91       | 720,77   |
| B00008600570 | 5,70     | 139      | 91       | 731,38   |
| B00008600580 | 5,80     | 139      | 91       | 743,59   |
| B00008600590 | 5,90     | 139      | 91       | 748,62   |
| B00008600600 | 6,00     | 139      | 91       | 766,37   |
| B00008600610 | 6,10     | 148      | 97       | 798,99   |
| B00008600620 | 6,20     | 148      | 97       | 857,93   |
| B00008600630 | 6,30     | 148      | 97       | 881,82   |
| B00008600640 | 6,40     | 148      | 97       | 991,04   |
| B00008600650 | 6,50     | 148      | 97       | 846,30   |
| B00008600660 | 6,60     | 148      | 97       | 1.034,20 |
| B00008600670 | 6,70     | 148      | 97       | 1.073,65 |
| B00008600680 | 6,80     | 156      | 102      | 1.210,31 |
| B00008600690 | 6,90     | 156      | 102      | 1.210,31 |
| B00008600700 | 7,00     | 156      | 102      | 975,35   |
| B00008600710 | 7,10     | 156      | 102      | 1.284,96 |
| B00008600720 | 7,20     | 156      | 102      | 1.296,14 |
| B00008600730 | 7,30     | 156      | 102      | 1.296,14 |
| B00008600740 | 7,40     | 156      | 102      | 1.316,07 |
| B00008600750 | 7,50     | 156      | 102      | 1.163,58 |
| B00008600760 | 7,60     | 165      | 109      | 1.346,90 |
| B00008600770 | 7,70     | 165      | 109      | 1.374,71 |
| B00008600780 | 7,80     | 165      | 109      | 1.374,71 |
| B00008600790 | 7,90     | 165      | 109      | 1.374,71 |
| B00008600800 | 8,00     | 165      | 109      | 1.163,58 |
| B00008600810 | 8,10     | 165      | 109      | 1.461,20 |
| B00008600820 | 8,20     | 165      | 109      | 1.398,47 |
| B00008600830 | 8,30     | 165      | 109      | 1.582,05 |
| B00008600840 | 8,40     | 165      | 109      | 1.653,22 |
| B00008600850 | 8,50     | 165      | 109      | 1.362,57 |
| B00008600860 | 8,60     | 175      | 115      | 1.695,97 |
| B00008600870 | 8,70     | 175      | 115      | 1.837,16 |
| B00008600880 | 8,80     | 175      | 115      | 1.966,11 |
| B00008600890 | 8,90     | 175      | 115      | 2.016,95 |
| B00008600900 | 9,00     | 175      | 115      | 1.417,70 |
| B00008600910 | 9,10     | 175      | 115      | 2.067,69 |
| B00008600920 | 9,20     | 175      | 115      | 2.067,69 |
| B00008600930 | 9,30     | 175      | 115      | 2.067,69 |

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

Siparişlerinize Termin Verilecektir.



Silindirik Saplı Uzun Matkap Ucu - ALTIN SERİ



| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>mm | TL/Adet   |
|--------------|----------|----------|----------|-----------|
| B00008600940 | 9,40     | 175      | 115      | 2.067,69  |
| B00008600950 | 9,50     | 175      | 115      | 1.699,61  |
| B00008600960 | 9,60     | 184      | 121      | 2.334,29  |
| B00008600970 | 9,70     | 184      | 121      | 2.863,12  |
| B00008600980 | 9,80     | 184      | 121      | 2.334,29  |
| B00008600990 | 9,90     | 184      | 121      | 2.330,31  |
| B00008601000 | 10,00    | 184      | 121      | 1.684,36  |
| B00008601010 | 10,10    | 184      | 121      | 2.450,93  |
| B00008601020 | 10,20    | 184      | 121      | 2.401,16  |
| B00008601030 | 10,30    | 184      | 121      | 2.572,99  |
| B00008601040 | 10,40    | 184      | 121      | 2.671,15  |
| B00008601050 | 10,50    | 184      | 121      | 2.408,14  |
| B00008601060 | 10,60    | 184      | 121      | 2.694,39  |
| B00008601070 | 10,70    | 195      | 128      | 2.784,06  |
| B00008601080 | 10,80    | 195      | 128      | 3.062,67  |
| B00008601090 | 10,90    | 195      | 128      | 3.270,50  |
| B00008601100 | 11,00    | 195      | 128      | 2.479,07  |
| B00008601130 | 11,30    | 195      | 128      | 4.228,88  |
| B00008601140 | 11,40    | 195      | 128      | 4.421,54  |
| B00008601150 | 11,50    | 195      | 128      | 2.776,66  |
| B00008601170 | 11,70    | 195      | 128      | 5.102,16  |
| B00008601180 | 11,80    | 195      | 128      | 3.935,87  |
| B00008601190 | 11,90    | 205      | 134      | 3.935,87  |
| B00008601200 | 12,00    | 205      | 134      | 3.114,05  |
| B00008601220 | 12,20    | 205      | 134      | 4.283,84  |
| B00008601230 | 12,30    | 205      | 134      | 4.283,84  |
| B00008601250 | 12,50    | 205      | 134      | 3.114,05  |
| B00008601270 | 12,70    | 205      | 134      | 5.580,98  |
| B00008601280 | 12,80    | 205      | 134      | 5.584,21  |
| B00008601300 | 13,00    | 205      | 134      | 3.316,56  |
| B00008601320 | 13,20    | 205      | 134      | 6.696,35  |
| B00008601350 | 13,50    | 214      | 140      | 3.751,97  |
| B00008601400 | 14,00    | 214      | 140      | 4.241,21  |
| B00008601450 | 14,50    | 220      | 144      | 4.933,48  |
| B00008601500 | 15,00    | 220      | 144      | 5.204,76  |
| B00008601550 | 15,50    | 227      | 149      | 6.574,77  |
| B00008601600 | 16,00    | 227      | 149      | 6.194,61  |
| B00008601650 | 16,50    | 235      | 154      | 8.889,08  |
| B00008601700 | 17,00    | 235      | 154      | 7.413,42  |
| B00008601750 | 17,50    | 241      | 158      | 9.632,94  |
| B00008601800 | 18,00    | 241      | 158      | 8.301,71  |
| B00008601850 | 18,50    | 247      | 162      | 11.198,94 |
| B00008601900 | 19,00    | 247      | 162      | 9.946,23  |
| B00008601950 | 19,50    | 254      | 166      | 12.373,97 |
| B00008602000 | 20,00    | 254      | 166      | 10.886,53 |

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



Silindirik Saplı Kısa Matkap Ucu - ALÜMİNYUM GÜMÜŞ SERİ

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ÖZEL



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MATKAP UÇLARI



| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>mm | TL/Adet |
|--------------|----------|----------|----------|---------|
| B00005010200 | 2,00     | 49       | 24       | 99,63   |
| B00005010210 | 2,10     | 49       | 24       | 129,98  |
| B00005010220 | 2,20     | 53       | 27       | 129,98  |
| B00005010230 | 2,30     | 53       | 27       | 129,98  |
| B00005010240 | 2,40     | 57       | 30       | 129,98  |
| B00005010250 | 2,50     | 57       | 30       | 101,97  |
| B00005010260 | 2,60     | 57       | 30       | 142,90  |
| B00005010270 | 2,70     | 61       | 33       | 142,90  |
| B00005010280 | 2,80     | 61       | 33       | 143,21  |
| B00005010290 | 2,90     | 61       | 33       | 143,21  |
| B00005010300 | 3,00     | 61       | 33       | 107,59  |
| B00005010310 | 3,10     | 65       | 36       | 143,21  |
| B00005010320 | 3,20     | 65       | 36       | 143,21  |
| B00005010330 | 3,30     | 65       | 36       | 137,73  |
| B00005010340 | 3,40     | 70       | 39       | 160,82  |
| B00005010350 | 3,50     | 70       | 39       | 125,88  |
| B00005010360 | 3,60     | 70       | 39       | 184,77  |
| B00005010370 | 3,70     | 70       | 39       | 184,77  |
| B00005010380 | 3,80     | 75       | 43       | 184,77  |
| B00005010390 | 3,90     | 75       | 43       | 183,94  |
| B00005010400 | 4,00     | 75       | 43       | 150,86  |
| B00005010410 | 4,10     | 75       | 43       | 195,37  |
| B00005010420 | 4,20     | 75       | 43       | 167,61  |
| B00005010430 | 4,30     | 80       | 47       | 195,37  |
| B00005010440 | 4,40     | 80       | 47       | 195,37  |
| B00005010450 | 4,50     | 80       | 47       | 171,31  |
| B00005010460 | 4,60     | 80       | 47       | 195,37  |
| B00005010470 | 4,70     | 80       | 47       | 223,45  |
| B00005010480 | 4,80     | 86       | 52       | 223,45  |
| B00005010490 | 4,90     | 86       | 52       | 222,01  |
| B00005010500 | 5,00     | 86       | 52       | 191,97  |
| B00005010510 | 5,10     | 86       | 52       | 200,20  |
| B00005010520 | 5,20     | 86       | 52       | 200,20  |
| B00005010530 | 5,30     | 86       | 52       | 253,89  |
| B00005010540 | 5,40     | 93       | 57       | 284,16  |
| B00005010550 | 5,50     | 93       | 57       | 236,11  |
| B00005010560 | 5,60     | 93       | 57       | 310,38  |

İSTEK HALİNDE H - W TİPLERİNDE KAPLAMALI OLARAK ÜRETİLEBİLİR

Siparişlerinize Termin Verilecektir.

Devamı sayfa 28' dedir



Silindirik Saplı Kısa Matkap Ucu - ALÜMİNYUM GÜMÜŞ SERİ



| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>mm | TL/Adet  |
|--------------|----------|----------|----------|----------|
| B00005010570 | 5,70     | 93       | 57       | 310,38   |
| B00005010580 | 5,80     | 93       | 57       | 310,38   |
| B00005010590 | 5,90     | 93       | 57       | 315,14   |
| B00005010600 | 6,00     | 93       | 57       | 252,47   |
| B00005010610 | 6,10     | 101      | 63       | 349,79   |
| B00005010620 | 6,20     | 101      | 63       | 349,79   |
| B00005010630 | 6,30     | 101      | 63       | 349,79   |
| B00005010640 | 6,40     | 101      | 63       | 349,79   |
| B00005010650 | 6,50     | 101      | 63       | 308,37   |
| B00005010660 | 6,60     | 101      | 63       | 386,92   |
| B00005010670 | 6,70     | 101      | 63       | 403,29   |
| B00005010680 | 6,80     | 109      | 69       | 403,39   |
| B00005010690 | 6,90     | 109      | 69       | 446,81   |
| B00005010700 | 7,00     | 109      | 69       | 367,74   |
| B00005010710 | 7,10     | 109      | 69       | 498,83   |
| B00005010720 | 7,20     | 109      | 69       | 498,83   |
| B00005010730 | 7,30     | 109      | 69       | 498,83   |
| B00005010740 | 7,40     | 109      | 69       | 498,83   |
| B00005010750 | 7,50     | 109      | 69       | 417,05   |
| B00005010760 | 7,60     | 117      | 75       | 549,12   |
| B00005010770 | 7,70     | 117      | 75       | 549,12   |
| B00005010780 | 7,80     | 117      | 75       | 549,12   |
| B00005010790 | 7,90     | 117      | 75       | 549,12   |
| B00005010800 | 8,00     | 117      | 75       | 453,90   |
| B00005010810 | 8,10     | 117      | 75       | 609,55   |
| B00005010820 | 8,20     | 117      | 75       | 609,55   |
| B00005010830 | 8,30     | 117      | 75       | 609,55   |
| B00005010840 | 8,40     | 117      | 75       | 609,55   |
| B00005010850 | 8,50     | 117      | 75       | 525,29   |
| B00005010860 | 8,60     | 125      | 81       | 777,08   |
| B00005010870 | 8,70     | 125      | 81       | 777,08   |
| B00005010880 | 8,80     | 125      | 81       | 777,08   |
| B00005010890 | 8,90     | 125      | 81       | 777,08   |
| B00005010900 | 9,00     | 125      | 81       | 586,56   |
| B00005010910 | 9,10     | 125      | 81       | 805,45   |
| B00005010920 | 9,20     | 125      | 81       | 805,45   |
| B00005010930 | 9,30     | 125      | 81       | 805,45   |
| B00005010940 | 9,40     | 125      | 81       | 805,45   |
| B00005010950 | 9,50     | 125      | 81       | 670,42   |
| B00005010960 | 9,60     | 133      | 87       | 915,88   |
| B00005010970 | 9,70     | 133      | 87       | 915,88   |
| B00005010980 | 9,80     | 133      | 87       | 915,88   |
| B00005010990 | 9,90     | 133      | 87       | 915,88   |
| B00005011000 | 10,00    | 133      | 87       | 719,23   |
| B00005011010 | 10,10    | 133      | 87       | 1.060,59 |

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

Siparişlerinize Termin Verilecektir.



MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

Silindirik Saplı Kısa Matkap Ucu - ALÜMİNYUM GÜMÜŞ SERİ

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h8



MATKAP UÇLARI

| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>mm | TL/Adet  |
|--------------|----------|----------|----------|----------|
| B00005011020 | 10,20    | 133      | 87       | 974,72   |
| B00005011030 | 10,30    | 133      | 87       | *        |
| B00005011040 | 10,40    | 133      | 87       | *        |
| B00005011050 | 10,50    | 133      | 87       | 838,04   |
| B00005011060 | 10,60    | 133      | 87       | *        |
| B00005011070 | 10,70    | 142      | 94       | *        |
| B00005011080 | 10,80    | 142      | 94       | 1.359,08 |
| B00005011090 | 10,90    | 142      | 94       | *        |
| B00005011100 | 11,00    | 142      | 94       | 974,72   |
| 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       | 1.029,90 |
| 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      | 1.134,22 |
| 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      | 1.223,93 |
| 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      | 1.305,79 |
| B00005011310 | 13,10    | 151      | 101      | *        |
| B00005011320 | 13,20    | 151      | 101      | *        |
| B00005011350 | 13,50    | 160      | 108      | 2.237,57 |
| B00005011400 | 14,00    | 160      | 108      | 2.374,37 |
| B00005011450 | 14,50    | 169      | 114      | 2.651,99 |
| B00005011500 | 15,00    | 169      | 114      | 2.774,57 |
| B00005011550 | 15,50    | 178      | 120      | 2.887,07 |
| B00005011600 | 16,00    | 178      | 120      | 3.172,91 |
| 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 TİPLERİNDE VE SOL KESİCİ OLARAK ÜRETİLEBİLİR.

Siparişlerinize Termin Verilecektir.



Silindirik Saplı Kısa Matkap Ucu - ALÜMİNYUM GÜMÜŞ SERİ



| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>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 SOL Matkap Ucu - TAŞLANMIŞ



| Ürün kodu    | d1 mm | L1 mm | L2 mm | TL/Adet |
|--------------|-------|-------|-------|---------|
| B00007010100 | 1,00  | 34    | 12    | 266,23  |
| 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    | 190,67  |
| 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    | 188,00  |
| 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    | 192,45  |
| 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    | 204,67  |
| B00007010310 | 3,10  | 65    | 36    | *       |
| B00007010320 | 3,20  | 65    | 36    | 263,52  |
| B00007010330 | 3,30  | 65    | 36    | 253,57  |
| B00007010340 | 3,40  | 70    | 39    | *       |
| B00007010350 | 3,50  | 70    | 39    | 238,68  |
| 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    | 287,32  |
| B00007010410 | 4,10  | 75    | 43    | *       |
| B00007010420 | 4,20  | 75    | 43    | 308,37  |
| B00007010430 | 4,30  | 80    | 47    | *       |
| B00007010440 | 4,40  | 80    | 47    | *       |
| B00007010450 | 4,50  | 80    | 47    | 326,13  |
| 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.

■ Siparişlerinize Termin Verilecektir.



Silindirik Saplı Kısa SOL Matkap Ucu - TAŞLANMIŞ



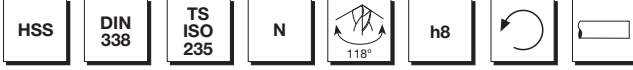
| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>mm | TL/Adet  |
|--------------|----------|----------|----------|----------|
| B00007010490 | 4,90     | 86       | 52       | *        |
| B00007010500 | 5,00     | 86       | 52       | 366,34   |
| B00007010510 | 5,10     | 86       | 52       | *        |
| B00007010520 | 5,20     | 86       | 52       | *        |
| B00007010530 | 5,30     | 86       | 52       | *        |
| B00007010540 | 5,40     | 93       | 57       | *        |
| B00007010550 | 5,50     | 93       | 57       | 449,63   |
| 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       | 480,67   |
| 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       | 589,20   |
| B00007010660 | 6,60     | 101      | 63       | *        |
| B00007010670 | 6,70     | 101      | 63       | *        |
| B00007010680 | 6,80     | 109      | 69       | 746,25   |
| B00007010690 | 6,90     | 109      | 69       | *        |
| B00007010700 | 7,00     | 109      | 69       | 705,43   |
| 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       | 798,90   |
| 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       | 869,43   |
| 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       | 998,52   |
| 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       | 1.115,42 |
| B00007010910 | 9,10     | 125      | 81       | *        |
| B00007010920 | 9,20     | 125      | 81       | *        |
| B00007010930 | 9,30     | 125      | 81       | *        |

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<br>mm | L1<br>mm | L2<br>mm | TL/Adet  |
|--------------|----------|----------|----------|----------|
| B00007010940 | 9,40     | 125      | 81       | *        |
| B00007010950 | 9,50     | 125      | 81       | 1.273,36 |
| 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       | 1.368,77 |
| B00007011010 | 10,10    | 133      | 87       | *        |
| B00007011020 | 10,20    | 133      | 87       | 1.792,51 |
| B00007011030 | 10,30    | 133      | 87       | *        |
| B00007011040 | 10,40    | 133      | 87       | *        |
| B00007011050 | 10,50    | 133      | 87       | 1.593,55 |
| 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       | 1.859,93 |
| 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       | 1.959,55 |
| 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      | 2.163,58 |
| 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      | 2.333,81 |
| 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      | 2.487,82 |
| 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.

■ Siparişlerinize Termin Verilecektir.



Silindirik Saplı Kısa SOL Matkap Ucu - TAŞLANMIŞ



| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>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.



MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

Silindirik Saplı Kısa SOL Matkap Ucu - TAŞLANMIŞ



| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>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.



MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

### Silindirik Saplı Kısa Matkap Ucu - TiN KAPLAMALI



| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>mm | TL/Adet  |
|--------------|----------|----------|----------|----------|
| B00006000150 | 1,5      | 40       | 18       | 191,40   |
| B00006000200 | 2,0      | 49       | 24       | 210,26   |
| B00006000250 | 2,5      | 57       | 30       | 210,26   |
| B00006000300 | 3,0      | 61       | 33       | 223,45   |
| B00006000330 | 3,3      | 65       | 36       | 255,86   |
| B00006000350 | 3,5      | 70       | 39       | 239,44   |
| B00006000400 | 4,0      | 75       | 43       | 275,39   |
| B00006000420 | 4,2      | 75       | 43       | 294,56   |
| B00006000450 | 4,5      | 80       | 47       | 329,50   |
| B00006000500 | 5,0      | 86       | 52       | 355,72   |
| B00006000550 | 5,5      | 93       | 57       | 415,63   |
| B00006000600 | 6,0      | 93       | 57       | 398,29   |
| B00006000650 | 6,5      | 101      | 63       | 737,77   |
| B00006000680 | 6,8      | 109      | 69       | 856,28   |
| B00006000700 | 7,0      | 109      | 69       | 805,51   |
| B00006000750 | 7,5      | 109      | 69       | 866,50   |
| B00006000800 | 8,0      | 117      | 75       | 910,93   |
| B00006000850 | 8,5      | 117      | 75       | 994,99   |
| B00006000900 | 9,0      | 125      | 81       | 1.075,23 |
| B00006000950 | 9,5      | 125      | 81       | 1.188,21 |
| B00006001000 | 10,0     | 133      | 87       | 1.238,78 |
| B00006001050 | 10,5     | 133      | 87       | 1.400,86 |
| B00006001100 | 11,0     | 142      | 94       | 1.576,59 |
| B00006001150 | 11,5     | 142      | 94       | 1.638,44 |
| B00006001200 | 12,0     | 151      | 101      | 2.098,93 |
| B00006001250 | 12,5     | 151      | 101      | 2.210,40 |
| B00006001300 | 13,0     | 151      | 101      | 2.354,72 |
| B00006001350 | 13,5     | 160      | 108      | 4.034,73 |
| B00006001400 | 14,0     | 160      | 108      | 4.269,67 |
| B00006001450 | 14,5     | 169      | 114      | 4.769,75 |
| B00006001500 | 15,0     | 169      | 114      | 4.995,14 |
| 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.

■ Siparişlerinize Termin Verilecektir.

Devamı sayfa 37'dedir



MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

### Silindirik Saplı Kısa Matkap Ucu - TiN KAPLAMALI



MATKAP UÇLARI

| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>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



| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>mm | TL/Adet |
|--------------|----------|----------|----------|---------|
| B00007200100 | 1,00     | 56       | 33       | 421,56  |
| B00007200110 | 1,10     | 60       | 37       | 426,52  |
| B00007200120 | 1,20     | 65       | 41       | 407,90  |
| B00007200130 | 1,30     | 65       | 41       | 369,72  |
| B00007200140 | 1,40     | 70       | 45       | 347,05  |
| B00007200150 | 1,50     | 70       | 45       | 294,47  |
| B00007200160 | 1,60     | 76       | 50       | 313,30  |
| B00007200170 | 1,70     | 76       | 50       | 313,30  |
| B00007200180 | 1,80     | 80       | 53       | 313,30  |
| B00007200190 | 1,90     | 80       | 53       | 313,30  |
| B00007200200 | 2,00     | 85       | 56       | 200,20  |
| B00007200210 | 2,10     | 85       | 56       | 256,60  |
| B00007200220 | 2,20     | 90       | 59       | 256,60  |
| B00007200230 | 2,30     | 90       | 59       | 256,60  |
| B00007200240 | 2,40     | 95       | 62       | 256,60  |
| B00007200250 | 2,50     | 95       | 62       | 211,72  |
| B00007200260 | 2,60     | 95       | 62       | 271,43  |
| B00007200270 | 2,70     | 100      | 66       | 271,43  |
| B00007200280 | 2,80     | 100      | 66       | 271,43  |
| B00007200290 | 2,90     | 100      | 66       | 275,50  |
| B00007200300 | 3,00     | 100      | 66       | 211,72  |
| B00007200310 | 3,10     | 106      | 69       | 275,50  |
| B00007200320 | 3,20     | 106      | 69       | 234,15  |
| B00007200330 | 3,30     | 106      | 69       | 260,15  |
| B00007200340 | 3,40     | 112      | 73       | 290,39  |
| B00007200350 | 3,50     | 112      | 73       | 256,60  |
| B00007200360 | 3,60     | 112      | 73       | 290,39  |
| B00007200370 | 3,70     | 112      | 73       | 302,14  |
| B00007200380 | 3,80     | 119      | 78       | 298,15  |
| B00007200390 | 3,90     | 119      | 78       | 327,71  |
| B00007200400 | 4,00     | 119      | 78       | 283,58  |
| B00007200410 | 4,10     | 119      | 78       | 335,39  |
| B00007200420 | 4,20     | 119      | 78       | 286,39  |
| B00007200430 | 4,30     | 126      | 82       | 355,24  |
| B00007200440 | 4,40     | 126      | 82       | 355,24  |
| B00007200450 | 4,50     | 126      | 82       | 316,98  |
| B00007200460 | 4,60     | 126      | 82       | 363,10  |
| B00007200470 | 4,70     | 126      | 82       | 376,81  |
| B00007200480 | 4,80     | 132      | 87       | 376,81  |



Silindirik Saplı Uzun Matkap Ucu



| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>mm | TL/Adet         |
|--------------|----------|----------|----------|-----------------|
| B00007200490 | 4,90     | 132      | 87       | <b>376,81</b>   |
| B00007200500 | 5,00     | 132      | 87       | <b>358,94</b>   |
| B00007200510 | 5,10     | 132      | 87       | <b>396,20</b>   |
| B00007200520 | 5,20     | 132      | 87       | <b>411,34</b>   |
| B00007200530 | 5,30     | 132      | 87       | <b>400,09</b>   |
| B00007200540 | 5,40     | 139      | 91       | <b>400,09</b>   |
| B00007200550 | 5,50     | 139      | 91       | <b>411,34</b>   |
| B00007200560 | 5,60     | 139      | 91       | <b>411,34</b>   |
| B00007200570 | 5,70     | 139      | 91       | <b>417,42</b>   |
| B00007200580 | 5,80     | 139      | 91       | <b>424,71</b>   |
| B00007200590 | 5,90     | 139      | 91       | <b>427,28</b>   |
| B00007200600 | 6,00     | 139      | 91       | <b>437,40</b>   |
| B00007200610 | 6,10     | 148      | 97       | <b>456,24</b>   |
| B00007200620 | 6,20     | 148      | 97       | <b>490,12</b>   |
| B00007200630 | 6,30     | 148      | 97       | <b>503,30</b>   |
| B00007200640 | 6,40     | 148      | 97       | <b>566,03</b>   |
| B00007200650 | 6,50     | 148      | 97       | <b>482,92</b>   |
| B00007200660 | 6,60     | 148      | 97       | <b>590,42</b>   |
| B00007200670 | 6,70     | 148      | 97       | <b>613,12</b>   |
| B00007200680 | 6,80     | 156      | 102      | <b>691,17</b>   |
| B00007200690 | 6,90     | 156      | 102      | <b>691,17</b>   |
| B00007200700 | 7,00     | 156      | 102      | <b>557,33</b>   |
| B00007200710 | 7,10     | 156      | 102      | <b>733,59</b>   |
| B00007200720 | 7,20     | 156      | 102      | <b>740,10</b>   |
| B00007200730 | 7,30     | 156      | 102      | <b>740,10</b>   |
| B00007200740 | 7,40     | 156      | 102      | <b>751,32</b>   |
| B00007200750 | 7,50     | 156      | 102      | <b>664,48</b>   |
| B00007200760 | 7,60     | 165      | 109      | <b>769,26</b>   |
| B00007200770 | 7,70     | 165      | 109      | <b>784,95</b>   |
| B00007200780 | 7,80     | 165      | 109      | <b>784,95</b>   |
| B00007200790 | 7,90     | 165      | 109      | <b>784,95</b>   |
| B00007200800 | 8,00     | 165      | 109      | <b>664,48</b>   |
| B00007200810 | 8,10     | 165      | 109      | <b>834,15</b>   |
| B00007200820 | 8,20     | 165      | 109      | <b>798,79</b>   |
| B00007200830 | 8,30     | 165      | 109      | <b>903,54</b>   |
| B00007200840 | 8,40     | 165      | 109      | <b>944,10</b>   |
| B00007200850 | 8,50     | 165      | 109      | <b>778,45</b>   |
| B00007200860 | 8,60     | 175      | 115      | <b>968,65</b>   |
| B00007200870 | 8,70     | 175      | 115      | <b>1.048,76</b> |
| B00007200880 | 8,80     | 175      | 115      | <b>1.123,06</b> |
| B00007200890 | 8,90     | 175      | 115      | <b>1.151,84</b> |
| B00007200900 | 9,00     | 175      | 115      | <b>810,05</b>   |
| B00007200910 | 9,10     | 175      | 115      | <b>1.180,55</b> |
| B00007200920 | 9,20     | 175      | 115      | <b>1.180,55</b> |
| B00007200930 | 9,30     | 175      | 115      | <b>1.180,55</b> |



Silindirik Saplı Uzun Matkap Ucu



| Ürün kodu    | d1 mm | L1 mm | L2 mm | TL/Adet  |
|--------------|-------|-------|-------|----------|
| B00007200940 | 9,40  | 175   | 115   | 1.180,55 |
| B00007200950 | 9,50  | 175   | 115   | 970,74   |
| B00007200960 | 9,60  | 184   | 121   | 1.332,75 |
| B00007200970 | 9,70  | 184   | 121   | 1.635,00 |
| B00007200980 | 9,80  | 184   | 121   | 1.332,75 |
| B00007200990 | 9,90  | 184   | 121   | 1.330,44 |
| B00007201000 | 10,00 | 184   | 121   | 962,36   |
| B00007201010 | 10,10 | 184   | 121   | 1.399,93 |
| B00007201020 | 10,20 | 184   | 121   | 1.370,94 |
| B00007201030 | 10,30 | 184   | 121   | 1.469,34 |
| B00007201040 | 10,40 | 184   | 121   | 1.525,20 |
| B00007201050 | 10,50 | 184   | 121   | 1.375,10 |
| B00007201060 | 10,60 | 184   | 121   | 1.538,83 |
| B00007201070 | 10,70 | 195   | 128   | 1.589,92 |
| B00007201080 | 10,80 | 195   | 128   | 1.748,96 |
| B00007201090 | 10,90 | 195   | 128   | 1.867,78 |
| B00007201100 | 11,00 | 195   | 128   | 1.415,79 |
| B00007201130 | 11,30 | 195   | 128   | 2.415,45 |
| B00007201140 | 11,40 | 195   | 128   | 2.525,22 |
| B00007201150 | 11,50 | 195   | 128   | 1.585,74 |
| B00007201170 | 11,70 | 195   | 128   | 2.913,85 |
| B00007201180 | 11,80 | 195   | 128   | 2.247,52 |
| B00007201190 | 11,90 | 205   | 134   | 2.247,52 |
| B00007201200 | 12,00 | 205   | 134   | 1.777,65 |
| B00007201220 | 12,20 | 205   | 134   | 2.446,93 |
| B00007201230 | 12,30 | 205   | 134   | 2.446,93 |
| B00007201250 | 12,50 | 205   | 134   | 1.777,65 |
| B00007201270 | 12,70 | 205   | 134   | 3.186,75 |
| B00007201280 | 12,80 | 205   | 134   | 3.189,24 |
| B00007201300 | 13,00 | 205   | 134   | 1.894,35 |
| B00007201320 | 13,20 | 205   | 134   | 3.824,10 |
| B00007201350 | 13,50 | 214   | 140   | 2.142,47 |
| B00007201400 | 14,00 | 214   | 140   | 2.421,64 |
| B00007201450 | 14,50 | 220   | 144   | 2.817,72 |
| B00007201500 | 15,00 | 220   | 144   | 2.972,31 |
| B00007201550 | 15,50 | 227   | 149   | 3.754,75 |
| B00007201600 | 16,00 | 227   | 149   | 3.537,81 |
| B00007201650 | 16,50 | 235   | 154   | 5.076,67 |
| B00007201700 | 17,00 | 235   | 154   | 4.233,49 |
| B00007201750 | 17,50 | 241   | 158   | 5.500,91 |
| B00007201800 | 18,00 | 241   | 158   | 4.740,63 |
| B00007201850 | 18,50 | 247   | 162   | 6.395,91 |
| B00007201900 | 19,00 | 247   | 162   | 5.680,00 |
| B00007201950 | 19,50 | 254   | 166   | 7.066,65 |
| B00007202000 | 20,00 | 254   | 166   | 6.216,84 |

Siparişlerinize Termin Verilecektir.



MAKINA TAKIM ENDÜSTRİSİ A.Ş.

## Mors Konik Saplı Matkap Ucu



| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>mm | Mors<br>Konik<br>No | TL/Adet  |
|--------------|----------|----------|----------|---------------------|----------|
| B00007400800 | 8,0      | 156      | 75       | 1                   | 1.542,70 |
| B00007400850 | 8,5      | 156      | 75       | 1                   | 1.491,59 |
| B00007400900 | 9,0      | 162      | 81       | 1                   | 1.360,04 |
| B00007400950 | 9,5      | 162      | 81       | 1                   | 1.834,20 |
| B00007401000 | 10,0     | 168      | 87       | 1                   | 1.538,83 |
| B00007401050 | 10,5     | 168      | 87       | 1                   | 1.564,31 |
| B00007401100 | 11,0     | 175      | 94       | 1                   | 1.606,08 |
| B00007401150 | 11,5     | 175      | 94       | 1                   | 1.643,23 |
| B00007401200 | 12,0     | 182      | 101      | 1                   | 1.676,68 |
| B00007401250 | 12,5     | 182      | 101      | 1                   | 1.712,20 |
| B00007401300 | 13,0     | 182      | 101      | 1                   | 1.757,14 |
| B00007401350 | 13,5     | 189      | 108      | 1                   | 1.999,20 |
| B00007401400 | 14,0     | 189      | 108      | 1                   | 2.243,60 |
| B00007401450 | 14,5     | 212      | 114      | 2                   | 2.580,69 |
| B00007401500 | 15,0     | 212      | 114      | 2                   | 2.615,11 |
| B00007401550 | 15,5     | 218      | 120      | 2                   | 2.839,98 |
| B00007401600 | 16,0     | 218      | 120      | 2                   | 2.935,32 |
| B00007401650 | 16,5     | 223      | 125      | 2                   | 3.021,90 |
| B00007401700 | 17,0     | 223      | 125      | 2                   | 3.108,71 |
| B00007401750 | 17,5     | 228      | 130      | 2                   | 3.186,09 |
| B00007401800 | 18,0     | 228      | 130      | 2                   | 3.345,86 |
| B00007401850 | 18,5     | 233      | 135      | 2                   | 3.559,92 |
| B00007401900 | 19,0     | 233      | 135      | 2                   | 3.825,61 |
| B00007401950 | 19,5     | 238      | 140      | 2                   | 4.068,05 |
| B00007402000 | 20,0     | 238      | 140      | 2                   | 4.088,69 |
| B00004002050 | 20,5     | 243      | 145      | 2                   | 4.495,39 |
| B00004002100 | 21,0     | 243      | 145      | 2                   | 4.557,49 |
| B00004002150 | 21,5     | 248      | 150      | 2                   | 5.052,43 |
| B00004002200 | 22,0     | 248      | 150      | 2                   | 5.155,51 |
| B00004002250 | 22,5     | 253      | 155      | 2                   | 5.650,56 |
| B00004002300 | 23,0     | 253      | 155      | 2                   | 5.712,26 |
| B00004002350 | 23,5     | 276      | 155      | 3                   | 5.773,97 |
| B00004002400 | 24,0     | 281      | 160      | 3                   | 6.330,74 |
| B00004002450 | 24,5     | 281      | 160      | 3                   | 6.743,66 |
| B00004002500 | 25,0     | 281      | 160      | 3                   | 7.011,35 |
| B00004002550 | 25,5     | 286      | 165      | 3                   | 7.897,89 |
| B00004002600 | 26,0     | 286      | 165      | 3                   | 8.248,35 |

Siparişlerinize Termin Verilecektir.

Devamı sayfa 42'dedir



Mors Konik Saplı Matkap Ucu



| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>mm | Mors<br>Konik<br>No | TL/Adet   |
|--------------|----------|----------|----------|---------------------|-----------|
| B00004002650 | 26,5     | 286      | 165      | 3                   | 8.558,02  |
| B00004002700 | 27,0     | 291      | 170      | 3                   | 9.052,70  |
| B00004002750 | 27,5     | 291      | 170      | 3                   | 9.361,99  |
| B00004002800 | 28,0     | 291      | 170      | 3                   | 9.650,49  |
| B00004002850 | 28,5     | 296      | 175      | 3                   | 10.021,75 |
| B00004002900 | 29,0     | 296      | 175      | 3                   | 10.392,58 |
| B00004002950 | 29,5     | 296      | 175      | 3                   | 10.805,52 |
| B00004003000 | 30,0     | 296      | 175      | 3                   | 11.176,79 |
| B00004003050 | 30,5     | 301      | 180      | 3                   | 11.527,32 |
| B00004003100 | 31,0     | 301      | 180      | 3                   | 12.022,12 |
| B00004003150 | 31,5     | 301      | 180      | 3                   | 12.393,41 |
| B00004003200 | 32,0     | 334      | 185      | 4                   | 12.867,46 |
| B00004003250 | 32,5     | 334      | 185      | 4                   | 13.341,95 |
| B00004003300 | 33,0     | 334      | 185      | 4                   | 13.836,77 |
| B00004003350 | 33,5     | 334      | 185      | 4                   | 14.310,90 |
| B00004003400 | 34,0     | 339      | 190      | 4                   | 14.868,08 |
| B00004003450 | 34,5     | 339      | 190      | 4                   | 15.321,19 |
| B00004003500 | 35,0     | 339      | 190      | 4                   | 15.898,81 |
| B00004003550 | 35,5     | 339      | 190      | 4                   | 16.558,69 |
| B00004003600 | 36,0     | 344      | 195      | 4                   | 17.280,36 |
| B00004003650 | 36,5     | 344      | 195      | 4                   | 18.125,84 |
| B00004003700 | 37,0     | 344      | 195      | 4                   | 18.393,73 |
| B00004003750 | 37,5     | 344      | 195      | 4                   | 20.167,22 |
| B00004003800 | 38,0     | 349      | 200      | 4                   | 20.703,22 |
| B00004003850 | 38,5     | 349      | 200      | 4                   | 21.651,65 |
| B00004003900 | 39,0     | 349      | 200      | 4                   | 22.621,07 |
| B00004003950 | 39,5     | 349      | 200      | 4                   | 23.693,34 |
| B00004004000 | 40,0     | 349      | 200      | 4                   | 24.662,64 |
| B00004004100 | 41,0     | 354      | 205      | 4                   | 26.330,86 |
| B00004004200 | 42,0     | 354      | 205      | 4                   | 29.791,86 |
| B00004004300 | 43,0     | 359      | 210      | 4                   | 32.746,19 |
| B00004004400 | 44,0     | 359      | 210      | 4                   | 34.588,41 |
| B00004004500 | 45,0     | 359      | 210      | 4                   | 38.129,90 |
| B00004004600 | 46,0     | 364      | 215      | 4                   | 39.404,92 |
| B00004004700 | 47,0     | 364      | 215      | 4                   | 41.732,75 |
| B00004004800 | 48,0     | 369      | 220      | 4                   | 43.189,87 |
| B00004004900 | 49,0     | 369      | 220      | 4                   | 44.100,65 |
| B00004005000 | 50,0     | 369      | 220      | 4                   | 45.334,93 |
| B00004005100 | 51,0     | 412      | 225      | 5                   | 54.527,31 |
| B00004005200 | 52,0     | 412      | 225      | 5                   | 55.215,56 |
| B00004005300 | 53,0     | 412      | 225      | 5                   | 56.334,17 |
| B00004005400 | 54,0     | 417      | 230      | 5                   | 59.539,52 |
| B00004005500 | 55,0     | 417      | 230      | 5                   | 60.162,98 |

Siparişlerinize Termin Verilecektir.

Devamı sayfa 43'dedir



Mors Konik Saplı Matkap Ucu



| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>mm | Mors<br>Konik<br>No | TL/Adet          |
|--------------|----------|----------|----------|---------------------|------------------|
| B00004005600 | 56,0     | 417      | 230      | 5                   | <b>61.023,71</b> |
| B00004005700 | 57,0     | 422      | 235      | 5                   | <b>62.873,20</b> |
| B00004005800 | 58,0     | 422      | 235      | 5                   | <b>66.444,01</b> |
| B00004005900 | 59,0     | 422      | 235      | 5                   | <b>70.960,76</b> |
| B00004006000 | 60,0     | 422      | 235      | 5                   | <b>70.960,76</b> |
| 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<br>mm | L1<br>mm | L2<br>mm | Mors<br>Konik<br>No | TL/Adet  |
|--------------|----------|----------|----------|---------------------|----------|
| B00008630800 | 8,00     | 156      | 75       | 1                   | 1.851,22 |
| B00008630850 | 8,50     | 156      | 75       | 1                   | 1.789,97 |
| B00008630900 | 9,00     | 162      | 81       | 1                   | 1.631,79 |
| B00008630950 | 9,50     | 162      | 81       | 1                   | 2.201,28 |
| B00008631000 | 10,00    | 168      | 87       | 1                   | 1.846,82 |
| B00008631050 | 10,50    | 168      | 87       | 1                   | 1.876,97 |
| B00008631100 | 11,00    | 175      | 94       | 1                   | 1.927,22 |
| B00008631150 | 11,50    | 175      | 94       | 1                   | 1.971,86 |
| B00008631200 | 12,00    | 182      | 101      | 1                   | 2.011,70 |
| B00008631250 | 12,50    | 182      | 101      | 1                   | 2.055,01 |
| B00008631300 | 13,00    | 182      | 101      | 1                   | 2.108,87 |
| B00008631350 | 13,50    | 189      | 108      | 1                   | 2.398,94 |
| B00008631400 | 14,00    | 189      | 108      | 1                   | 2.692,22 |
| B00008631450 | 14,50    | 212      | 114      | 2                   | 3.096,69 |
| B00008631500 | 15,00    | 212      | 114      | 2                   | 3.137,76 |
| B00008631550 | 15,50    | 218      | 120      | 2                   | 3.407,48 |
| B00008631600 | 16,00    | 218      | 120      | 2                   | 3.521,98 |
| B00008631650 | 16,50    | 223      | 125      | 2                   | 3.626,37 |
| B00008631700 | 17,00    | 223      | 125      | 2                   | 3.730,38 |
| B00008631750 | 17,50    | 228      | 130      | 2                   | 3.823,16 |
| B00008631800 | 18,00    | 228      | 130      | 2                   | 4.014,87 |
| B00008631850 | 18,50    | 233      | 135      | 2                   | 4.272,06 |
| B00008631900 | 19,00    | 233      | 135      | 2                   | 4.590,59 |
| B00008631950 | 19,50    | 238      | 140      | 2                   | 4.881,80 |
| B00008632000 | 20,00    | 238      | 140      | 2                   | 4.906,32 |
| B00008632050 | 20,50    | 243      | 145      | 2                   | 5.394,52 |
| B00008632100 | 21,00    | 243      | 145      | 2                   | 5.468,93 |
| B00008632150 | 21,50    | 248      | 150      | 2                   | 6.062,79 |
| B00008632200 | 22,00    | 248      | 150      | 2                   | 6.186,67 |
| B00008632250 | 22,50    | 253      | 155      | 2                   | 6.780,51 |
| B00008632300 | 23,00    | 253      | 155      | 2                   | 6.854,96 |
| B00008632350 | 23,50    | 276      | 155      | 3                   | 6.928,69 |
| B00008632400 | 24,00    | 281      | 160      | 3                   | 7.596,65 |
| B00008632450 | 24,50    | 281      | 160      | 3                   | 8.092,12 |
| B00008632500 | 25,00    | 281      | 160      | 3                   | 8.413,32 |
| B00008632550 | 25,50    | 286      | 165      | 3                   | 9.477,61 |
| B00008632600 | 26,00    | 286      | 165      | 3                   | 9.897,98 |



Mors Konik Saplı Matkap Ucu



| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>mm | Mors<br>Konik<br>No | TL/Adet   |
|--------------|----------|----------|----------|---------------------|-----------|
| B00008632650 | 26,50    | 286      | 165      | 3                   | 10.269,76 |
| B00008632700 | 27,00    | 291      | 170      | 3                   | 10.863,52 |
| B00008632750 | 27,50    | 291      | 170      | 3                   | 11.234,34 |
| B00008632800 | 28,00    | 291      | 170      | 3                   | 11.580,75 |
| B00008632850 | 28,50    | 296      | 175      | 3                   | 12.026,14 |
| B00008632900 | 29,00    | 296      | 175      | 3                   | 12.471,22 |
| B00008632950 | 29,50    | 296      | 175      | 3                   | 12.966,36 |
| B00008633000 | 30,00    | 296      | 175      | 3                   | 13.411,75 |
| B00008633050 | 30,50    | 301      | 180      | 3                   | 13.832,36 |
| B00008633100 | 31,00    | 301      | 180      | 3                   | 14.426,57 |
| B00008633150 | 31,50    | 301      | 180      | 3                   | 14.872,10 |
| B00008633200 | 32,00    | 334      | 185      | 4                   | 15.440,83 |
| B00008633250 | 32,50    | 334      | 185      | 4                   | 16.010,70 |
| B00008633300 | 33,00    | 334      | 185      | 4                   | 16.604,17 |
| B00008633350 | 33,50    | 334      | 185      | 4                   | 17.172,98 |
| B00008633400 | 34,00    | 339      | 190      | 4                   | 17.841,90 |
| B00008633450 | 34,50    | 339      | 190      | 4                   | 18.385,79 |
| B00008633500 | 35,00    | 339      | 190      | 4                   | 19.078,58 |
| B00008633550 | 35,50    | 339      | 190      | 4                   | 19.870,54 |
| B00008633600 | 36,00    | 344      | 195      | 4                   | 20.736,57 |
| B00008633650 | 36,50    | 344      | 195      | 4                   | 21.751,03 |
| B00008633700 | 37,00    | 344      | 195      | 4                   | 22.072,46 |
| B00008633750 | 37,50    | 344      | 195      | 4                   | 24.200,40 |
| B00008633800 | 38,00    | 349      | 200      | 4                   | 24.843,86 |
| B00008633850 | 38,50    | 349      | 200      | 4                   | 25.982,44 |
| B00008633900 | 39,00    | 349      | 200      | 4                   | 27.145,67 |
| B00008633950 | 39,50    | 349      | 200      | 4                   | 28.432,04 |
| B00008634000 | 40,00    | 349      | 200      | 4                   | 29.594,94 |
| B00008634100 | 41,00    | 354      | 205      | 4                   | 31.596,96 |
| B00008634200 | 42,00    | 354      | 205      | 4                   | 35.749,98 |
| B00008634300 | 43,00    | 359      | 210      | 4                   | 39.295,63 |
| B00008634400 | 44,00    | 359      | 210      | 4                   | 41.506,09 |
| B00008634500 | 45,00    | 359      | 210      | 4                   | 45.756,51 |
| B00008634600 | 46,00    | 364      | 215      | 4                   | 47.285,92 |
| B00008634700 | 47,00    | 364      | 215      | 4                   | 50.079,40 |
| B00008634800 | 48,00    | 369      | 220      | 4                   | 51.828,18 |
| B00008634900 | 49,00    | 369      | 220      | 4                   | 52.920,94 |
| B00008635000 | 50,00    | 369      | 220      | 4                   | 54.401,77 |
| 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                   | *         |



Mors Konik Saplı Matkap Ucu



| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>mm | Mors<br>Konik<br>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<br>mm | L1<br>mm | L2<br>mm | Mors<br>Konik<br>No | TL/Adet   |
|--------------|----------|----------|----------|---------------------|-----------|
| B00007301200 | 12,0     | 215      | 134      | 1                   | 3.011,64  |
| B00007301250 | 12,5     | 215      | 134      | 1                   | 3.069,47  |
| B00007301300 | 13,0     | 215      | 134      | 1                   | 3.186,60  |
| B00007301350 | 13,5     | 223      | 142      | 1                   | 3.520,03  |
| B00007301400 | 14,0     | 223      | 142      | 1                   | 3.627,28  |
| B00007301450 | 14,5     | 245      | 147      | 2                   | 4.385,71  |
| B00007301500 | 15,0     | 245      | 147      | 2                   | 4.385,71  |
| B00007301600 | 16,0     | 251      | 153      | 2                   | 4.658,31  |
| B00007301700 | 17,0     | 257      | 159      | 2                   | 4.853,04  |
| B00007301800 | 18,0     | 263      | 165      | 2                   | 5.457,37  |
| B00007301900 | 19,0     | 269      | 171      | 2                   | 5.983,43  |
| B00007302000 | 20,0     | 275      | 177      | 2                   | 6.509,61  |
| B00004422050 | 20,5     | 282      | 184      | 2                   | 7.386,89  |
| B00004422100 | 21,0     | 282      | 184      | 2                   | 6.685,22  |
| B00004422150 | 21,5     | 289      | 191      | 2                   | 7.873,84  |
| B00004422200 | 22,0     | 289      | 191      | 2                   | 7.581,67  |
| B00004422250 | 22,5     | 296      | 198      | 2                   | 8.263,48  |
| B00004422300 | 23,0     | 296      | 198      | 2                   | 7.873,84  |
| B00004422350 | 23,5     | 319      | 198      | 3                   | 8.946,15  |
| B00004422400 | 24,0     | 327      | 206      | 3                   | 9.530,60  |
| B00004422450 | 24,5     | 327      | 206      | 3                   | 10.037,64 |
| B00004422500 | 25,0     | 327      | 206      | 3                   | 9.647,24  |
| B00004422550 | 25,5     | 335      | 214      | 3                   | 11.498,51 |
| B00004422600 | 26,0     | 335      | 214      | 3                   | 11.206,38 |
| B00004422650 | 26,5     | 335      | 214      | 3                   | 11.888,92 |
| B00004422700 | 27,0     | 343      | 222      | 3                   | 11.888,92 |
| B00004422750 | 27,5     | 343      | 222      | 3                   | 13.954,16 |
| B00004422800 | 28,0     | 343      | 222      | 3                   | 13.077,56 |
| B00004422850 | 28,5     | 351      | 230      | 3                   | 14.149,30 |
| B00004422900 | 29,0     | 351      | 230      | 3                   | 14.987,04 |
| B00004422950 | 29,5     | 351      | 230      | 3                   | 16.780,33 |
| B00004423000 | 30,0     | 351      | 230      | 3                   | 15.377,47 |
| B00004423100 | 31,0     | 360      | 239      | 3                   | 17.949,99 |
| B00004423200 | 32,0     | 397      | 248      | 4                   | 19.197,15 |
| B00004423300 | 33,0     | 397      | 248      | 4                   | 19.509,09 |

Devamı sayfa 48'dedir

Siparişlerinize Termin Verilecektir.



Mors Konik Saplı Uzun Matkap Ucu



| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>mm | Mors<br>Konik<br>No | TL/Adet          |
|--------------|----------|----------|----------|---------------------|------------------|
| B00004423400 | 34,0     | 406      | 257      | 4                   | <b>23.621,02</b> |
| B00004423500 | 35,0     | 406      | 257      | 4                   | <b>24.127,85</b> |
| B00004423600 | 36,0     | 416      | 267      | 4                   | <b>27.538,62</b> |
| B00004423700 | 37,0     | 416      | 267      | 4                   | <b>30.442,14</b> |
| B00004423800 | 38,0     | 426      | 277      | 4                   | <b>30.442,14</b> |
| B00004423900 | 39,0     | 426      | 277      | 4                   | <b>31.475,21</b> |
| B00004424000 | 40,0     | 426      | 277      | 4                   | <b>32.430,04</b> |
| 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.



MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

### Silindirik Saplı Çok Uzun Matkap Ucu - N TİPİ

HSS

DIN  
1869  
Nr.1

TS  
ISO  
3292

N



h8



MATKAP UÇLARI

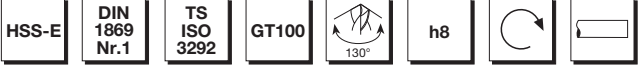
| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>mm | TL/Adet  |
|--------------|----------|----------|----------|----------|
| B00007500200 | 2,0      | 125      | 85       | 763,35   |
| B00007500250 | 2,5      | 140      | 95       | 797,03   |
| B00007500300 | 3,0      | 150      | 100      | 892,96   |
| B00007500350 | 3,5      | 165      | 115      | 892,96   |
| B00007500400 | 4,0      | 175      | 120      | 959,03   |
| B00007500420 | 4,2      | 175      | 120      | 1.408,64 |
| B00007500450 | 4,5      | 185      | 125      | 1.097,25 |
| B00007500500 | 5,0      | 195      | 135      | 1.108,60 |
| B00007500550 | 5,5      | 205      | 140      | 1.279,42 |
| B00007500600 | 6,0      | 205      | 140      | 1.342,49 |
| B00007500650 | 6,5      | 215      | 150      | 1.488,16 |
| B00007500700 | 7,0      | 225      | 155      | 1.683,30 |
| B00007500750 | 7,5      | 225      | 155      | 2.035,69 |
| B00007500800 | 8,0      | 240      | 165      | 2.178,36 |
| B00007500850 | 8,5      | 240      | 165      | 2.764,64 |
| B00007500900 | 9,0      | 250      | 175      | 3.050,72 |
| B00007500950 | 9,5      | 250      | 175      | 3.273,71 |
| B00007501000 | 10,0     | 265      | 185      | 3.294,25 |
| B00007501050 | 10,5     | 265      | 185      | 4.815,77 |
| B00007501100 | 11,0     | 280      | 195      | 5.838,26 |
| B00007501150 | 11,5     | 280      | 195      | 6.405,88 |
| B00007501200 | 12,0     | 295      | 205      | 6.451,78 |
| B00007501250 | 12,5     | 295      | 205      | 6.724,32 |
| B00007501300 | 13,0     | 295      | 205      | 6.792,48 |
| B00007501350 | 13,5     | 305      | 215      | 8.490,11 |
| B00007501400 | 14,0     | 305      | 215      | 7.663,02 |
| B00007501450 | 14,5     | 320      | 220      | 8.169,86 |
| B00007501500 | 15,0     | 320      | 220      | 7.973,99 |

Siparişlerinize Termin Verilecektir.



MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

### Silindirik Saplı Çok Uzun Matkap Ucu - GT100 TİPİ



| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>mm | TL/Adet  |
|--------------|----------|----------|----------|----------|
| B00005550200 | 2,0      | 125      | 85       | 992,65   |
| B00005550250 | 2,5      | 140      | 95       | 1.040,22 |
| B00005550300 | 3,0      | 150      | 100      | 1.165,11 |
| B00005550350 | 3,5      | 165      | 115      | 1.165,11 |
| B00005550400 | 4,0      | 175      | 120      | 1.247,86 |
| B00005550450 | 4,5      | 185      | 125      | 1.429,72 |
| B00005550500 | 5,0      | 195      | 135      | 1.453,69 |
| B00005550550 | 5,5      | 205      | 140      | 1.668,99 |
| B00005550600 | 6,0      | 205      | 140      | 1.750,24 |
| B00005550650 | 6,5      | 215      | 150      | 1.940,35 |
| B00005550700 | 7,0      | 225      | 155      | 2.195,24 |
| B00005550750 | 7,5      | 225      | 155      | 2.655,47 |
| B00005550800 | 8,0      | 240      | 165      | 2.843,21 |
| B00005550850 | 8,5      | 240      | 165      | 3.604,83 |
| B00005550900 | 9,0      | 250      | 175      | 3.994,47 |
| B00005550950 | 9,5      | 250      | 175      | 4.271,24 |
| B00005551000 | 10,0     | 265      | 185      | 4.310,64 |
| B00005551050 | 10,5     | 265      | 185      | 6.287,19 |
| B00005551100 | 11,0     | 280      | 195      | 7.612,49 |
| B00005551150 | 11,5     | 280      | 195      | 8.364,22 |
| B00005551200 | 12,0     | 295      | 205      | 8.403,60 |
| B00005551250 | 12,5     | 295      | 205      | 8.779,60 |
| B00005551300 | 13,0     | 295      | 205      | 8.877,98 |

Siparişlerinize Termin Verilecektir.

İSTEK HALİNDE KAPLAMALI OLARAK ÜRETİLEBİLİR.



MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

### Silindirik Saplı Çok Uzun Matkap Ucu - N TİPİ



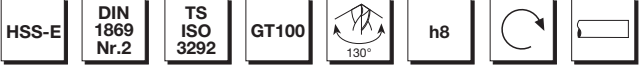
| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>mm | TL/Adet  |
|--------------|----------|----------|----------|----------|
| B00007530300 | 3,0      | 190      | 130      | 1.065,55 |
| B00007530350 | 3,5      | 210      | 145      | 1.065,55 |
| B00007530400 | 4,0      | 220      | 150      | 1.134,88 |
| B00007530420 | 4,2      | 220      | 150      | 1.680,13 |
| B00007530450 | 4,5      | 235      | 160      | 1.305,79 |
| B00007530500 | 5,0      | 245      | 170      | 1.321,48 |
| B00007530550 | 5,5      | 260      | 180      | 1.519,57 |
| B00007530600 | 6,0      | 260      | 180      | 1.598,88 |
| B00007530650 | 6,5      | 275      | 190      | 1.770,26 |
| B00007530700 | 7,0      | 290      | 200      | 1.992,65 |
| B00007530750 | 7,5      | 290      | 200      | 2.418,67 |
| B00007530800 | 8,0      | 305      | 210      | 2.587,35 |
| B00007530850 | 8,5      | 305      | 210      | 3.284,93 |
| B00007530900 | 9,0      | 320      | 220      | 3.625,42 |
| B00007530950 | 9,5      | 320      | 220      | 3.890,65 |
| B00007531000 | 10,0     | 340      | 235      | 3.915,31 |
| B00007531050 | 10,5     | 340      | 235      | 5.741,51 |
| B00007531100 | 11,0     | 365      | 250      | 6.934,86 |
| B00007531150 | 11,5     | 365      | 250      | 7.609,83 |
| B00007531200 | 12,0     | 375      | 260      | 7.677,69 |
| B00007531250 | 12,5     | 375      | 260      | 8.015,12 |
| B00007531300 | 13,0     | 375      | 260      | 8.083,18 |

Siparişlerinize Termin Verilecektir.



MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

### Silindirik Saplı Çok Uzun Matkap Ucu - GT100 TİPİ



| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>mm | TL/Adet   |
|--------------|----------|----------|----------|-----------|
| B00005610300 | 3,0      | 190      | 130      | 1.389,74  |
| B00005610350 | 3,5      | 210      | 145      | 1.389,74  |
| B00005610400 | 4,0      | 220      | 150      | 1.485,34  |
| B00005610450 | 4,5      | 235      | 160      | 1.696,55  |
| B00005610500 | 5,0      | 245      | 170      | 1.724,36  |
| B00005610550 | 5,5      | 260      | 180      | 1.984,94  |
| B00005610600 | 6,0      | 260      | 180      | 2.086,70  |
| B00005610650 | 6,5      | 275      | 190      | 2.306,56  |
| B00005610700 | 7,0      | 290      | 200      | 2.605,79  |
| B00005610750 | 7,5      | 290      | 200      | 3.154,60  |
| B00005610800 | 8,0      | 305      | 210      | 3.383,78  |
| B00005610850 | 8,5      | 305      | 210      | 4.290,46  |
| B00005610900 | 9,0      | 320      | 220      | 4.741,51  |
| B00005610950 | 9,5      | 320      | 220      | 5.093,79  |
| B00005611000 | 10,0     | 340      | 235      | 5.113,87  |
| B00005611050 | 10,5     | 340      | 235      | 7.484,06  |
| B00005611100 | 11,0     | 365      | 250      | 9.071,03  |
| B00005611150 | 11,5     | 365      | 250      | 9.952,28  |
| B00005611200 | 12,0     | 375      | 260      | 10.011,27 |
| B00005611250 | 12,5     | 375      | 260      | 10.442,52 |
| B00005611300 | 13,0     | 375      | 260      | 10.539,91 |

Siparişlerinize Termin Verilecektir.

İSTEK HALİNDE KAPLAMALI OLARAK ÜRETİLEBİLİR.



MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

### Silindirik Saplı Çok Uzun Matkap Ucu - N TİPİ



| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>mm | TL/Adet   |
|--------------|----------|----------|----------|-----------|
| B00007560300 | 3,0      | 235      | 160      | 1.359,10  |
| B00007560350 | 3,5      | 265      | 180      | 1.355,56  |
| B00007560400 | 4,0      | 280      | 190      | 1.451,05  |
| B00007560450 | 4,5      | 295      | 200      | 1.660,53  |
| B00007560500 | 5,0      | 315      | 210      | 1.687,44  |
| B00007560550 | 5,5      | 330      | 225      | 1.943,73  |
| B00007560600 | 6,0      | 330      | 225      | 2.039,46  |
| B00007560650 | 6,5      | 350      | 235      | 2.258,11  |
| B00007560700 | 7,0      | 370      | 250      | 2.551,95  |
| B00007560750 | 7,5      | 370      | 250      | 3.091,70  |
| B00007560800 | 8,0      | 390      | 265      | 3.304,13  |
| B00007560850 | 8,5      | 390      | 265      | 4.193,17  |
| B00007560900 | 9,0      | 410      | 280      | 4.643,98  |
| B00007560950 | 9,5      | 410      | 280      | 4.976,07  |
| B00007561000 | 10,0     | 430      | 295      | 4.997,90  |
| B00007561050 | 10,5     | 430      | 295      | 7.319,72  |
| B00007561100 | 11,0     | 455      | 310      | 8.867,36  |
| B00007561150 | 11,5     | 455      | 310      | 9.707,48  |
| B00007561200 | 12,0     | 480      | 330      | 9.774,10  |
| B00007561250 | 12,5     | 480      | 330      | 10.216,32 |
| B00007561300 | 13,0     | 480      | 330      | 10.304,78 |

■ Siparişlerinize Termin Verilecektir.



MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

### Silindirik Saplı Çok Uzun Matkap Ucu - GT100 TİPİ



| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>mm | TL/Adet   |
|--------------|----------|----------|----------|-----------|
| B00005670300 | 3,0      | 235      | 160      | 1.885,88  |
| B00005670350 | 3,5      | 265      | 180      | 2.018,64  |
| B00005670400 | 4,0      | 280      | 190      | 2.018,64  |
| B00005670450 | 4,5      | 295      | 200      | 2.310,53  |
| B00005670500 | 5,0      | 315      | 210      | 2.347,18  |
| B00005670550 | 5,5      | 330      | 225      | 2.704,50  |
| B00005670600 | 6,0      | 330      | 225      | 2.847,97  |
| B00005670650 | 6,5      | 350      | 235      | 3.141,89  |
| B00005670700 | 7,0      | 370      | 250      | 3.550,42  |
| B00005670750 | 7,5      | 370      | 250      | 4.282,84  |
| B00005670800 | 8,0      | 390      | 265      | 4.596,31  |
| B00005670850 | 8,5      | 390      | 265      | 5.833,44  |
| B00005670900 | 9,0      | 410      | 280      | 6.460,85  |
| B00005670950 | 9,5      | 410      | 280      | 6.922,16  |
| B00005671000 | 10,0     | 430      | 295      | 6.953,27  |
| B00005671050 | 10,5     | 430      | 295      | 10.184,02 |
| B00005671100 | 11,0     | 455      | 310      | 12.306,12 |
| B00005671150 | 11,5     | 455      | 310      | 12.741,55 |
| B00005671200 | 12,0     | 480      | 330      | 13.598,76 |
| B00005671250 | 12,5     | 480      | 330      | 13.387,29 |
| B00005671300 | 13,0     | 480      | 330      | 14.336,79 |

Siparişlerinize Termin Verilecektir.

İSTEK HALİNDE KAPLAMALI OLARAK ÜRETİLEBİLİR.



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             | 3.345,86  |
| B00007701100 | 11.0  | 300   | 195   | 1             | 3.541,96  |
| B00007701200 | 12.0  | 310   | 205   | 1             | 3.753,70  |
| B00007701300 | 13.0  | 310   | 205   | 1             | 4.715,05  |
| B00007701400 | 14.0  | 325   | 220   | 1             | 6.038,50  |
| B00007701500 | 15.0  | 340   | 220   | 2             | 6.618,91  |
| B00007701600 | 16.0  | 355   | 230   | 2             | 6.854,57  |
| B00007701700 | 17.0  | 355   | 230   | 2             | 7.543,88  |
| B00007701800 | 18.0  | 370   | 245   | 2             | 8.668,23  |
| B00007701900 | 19.0  | 370   | 245   | 2             | 9.502,07  |
| B00007702000 | 20.0  | 385   | 260   | 2             | 10.137,20 |
| 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             | *         |

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             | 8.978,79  |
| B00007731500 | 15.0  | 425   | 275   | 2             | 9.867,55  |
| B00007731600 | 16.0  | 445   | 295   | 2             | 10.225,96 |
| B00007731700 | 17.0  | 445   | 295   | 2             | 11.244,43 |
| B00007731800 | 18.0  | 465   | 310   | 2             | 12.907,35 |
| B00007731900 | 19.0  | 465   | 310   | 2             | 14.586,90 |
| B00007732000 | 20.0  | 490   | 325   | 2             | 15.089,43 |
| 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.



MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

### Silindirik Saplı Çok Kısa Matkap Ucu



| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>mm | TL/Adet |
|--------------|----------|----------|----------|---------|
| B00007800200 | 2,00     | 38       | 12       | 62,50   |
| B00007800250 | 2,50     | 43       | 14       | 68,28   |
| B00007800300 | 3,00     | 46       | 16       | 73,59   |
| B00007800310 | 3,10     | 49       | 18       | 101,72  |
| B00007800320 | 3,20     | 49       | 18       | 101,72  |
| B00007800330 | 3,30     | 49       | 18       | 101,72  |
| B00007800350 | 3,50     | 52       | 20       | 83,44   |
| B00007800400 | 4,00     | 55       | 22       | 96,91   |
| B00007800420 | 4,20     | 55       | 22       | 112,69  |
| B00007800450 | 4,50     | 58       | 24       | 112,69  |
| B00007800500 | 5,00     | 62       | 26       | 126,82  |
| B00007800520 | 5,20     | 62       | 26       | 136,32  |
| B00007800550 | 5,50     | 66       | 28       | 154,81  |
| B00007800600 | 6,00     | 66       | 28       | 164,95  |
| B00007800650 | 6,50     | 70       | 31       | 203,19  |
| B00007800700 | 7,00     | 74       | 34       | 232,55  |
| B00007800750 | 7,50     | 74       | 34       | 276,72  |
| B00007800800 | 8,00     | 79       | 37       | 288,04  |
| B00007800850 | 8,50     | 79       | 37       | 347,47  |
| B00007800900 | 9,00     | 84       | 40       | 384,33  |
| B00007800950 | 9,50     | 84       | 40       | 435,86  |
| B00007801000 | 10,00    | 89       | 43       | 461,60  |
| B00007801050 | 10,50    | 89       | 43       | 506,04  |
| B00007801100 | 11,00    | 95       | 47       | 664,85  |
| B00007801150 | 11,50    | 95       | 47       | 670,52  |
| B00007801200 | 12,00    | 102      | 51       | 767,60  |
| B00007801250 | 12,50    | 102      | 51       | 817,79  |
| B00007801300 | 13,00    | 102      | 51       | 889,06  |
| 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       | *       |

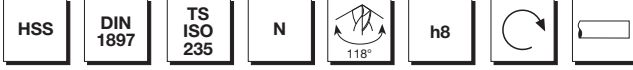
Devamı sayfa 57'dedir

■ Siparişlerinize Termin Verilecektir.

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.



Silindirik Saplı Çok Kısa Matkap Ucu



| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>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       | *       |



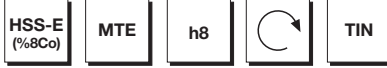
MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

Punta Çürütme Matkap Ucu - Kısa (Havalı Tabancalar İçin)



| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>mm | TL/Adet |
|--------------|----------|----------|----------|---------|
| B00005990342 | 6,0      | 44       | 17       | 545,00  |
| B00005990344 | 8,0      | 40       | 18,5     | 681,16  |
| B00005990301 | 8,0      | 44       | 18,5     | 681,16  |

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



| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>mm | TL/Adet |
|--------------|----------|----------|----------|---------|
| B10005990342 | 6,0      | 44       | 17       | 626,85  |
| B10005990344 | 8,0      | 40       | 18,5     | 783,41  |
| B10005990301 | 8,0      | 44       | 18,5     | 783,41  |

Siparişlerinize Termin Verilecektir.



MAKİNA TAKIM ENDÜSTRİSİ A.Ş.

MATKAP UÇLARI

Punta Çürütme Matkap Ucu - Uzun (El Breyzi İçin)



| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>mm | TL/Adet |
|--------------|----------|----------|----------|---------|
| B00005990317 | 6,0      | 66       | 27       | 545,00  |
| B00005990341 | 7,0      | 74       | 34       | 852,73  |
| B00005990300 | 8,0      | 79       | 36       | 681,16  |

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



| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>mm | TL/Adet |
|--------------|----------|----------|----------|---------|
| B10005990317 | 6,0      | 66       | 27       | 626,85  |
| B10005990341 | 7,0      | 74       | 34       | 980,42  |
| B10005990300 | 8,0      | 79       | 36       | 783,41  |

Siparişlerinize Termin Verilecektir.



### Punta Matkabı - Form A



| Ürün kodu    | d1<br>mm | d2<br>(h9)<br>mm | L1<br>mm | L2<br>mm | TL/Adet          |
|--------------|----------|------------------|----------|----------|------------------|
| B00010010100 | 1,00     | 3,15             | 31,5     | 1,3      | <b>267,74</b>    |
| B00010010125 | 1,25     | 3,15             | 31,5     | 1,6      | <b>267,74</b>    |
| B00010010160 | 1,60     | 4,00             | 35,5     | 2,0      | <b>283,29</b>    |
| B00010010200 | 2,00     | 5,00             | 40,0     | 2,5      | <b>357,79</b>    |
| B00010010250 | 2,50     | 6,30             | 45,0     | 3,1      | <b>455,46</b>    |
| B00010010315 | 3,15     | 8,00             | 50,0     | 3,9      | <b>527,51</b>    |
| B00010010400 | 4,00     | 10,00            | 56,0     | 5,0      | <b>691,21</b>    |
| B00010010500 | 5,00     | 12,50            | 63,0     | 6,3      | <b>989,16</b>    |
| B00010010630 | 6,30     | 16,00            | 71,0     | 8,0      | <b>1.882,14</b>  |
| B00010010800 | 8,00     | 20,00            | 80,0     | 10,1     | <b>3.257,02</b>  |
| B00010011000 | 10,00    | 25,00            | 100,0    | 12,8     | <b>6.390,47</b>  |
| B00010011250 | 12,50    | 31,50            | 125,0    | 16,5     | <b>10.286,39</b> |

### Punta Matkabı - Form A - TIN KAPLAMALI



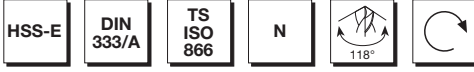
| Ürün kodu    | d1<br>mm | d2<br>(h9)<br>mm | L1<br>mm | L2<br>mm | TL/Adet          |
|--------------|----------|------------------|----------|----------|------------------|
| B10010010100 | 1,00     | 3,15             | 31,5     | 1,3      | <b>374,15</b>    |
| B10010010125 | 1,25     | 3,15             | 31,5     | 1,6      | <b>374,15</b>    |
| B10010010160 | 1,60     | 4,00             | 35,5     | 2,0      | <b>389,66</b>    |
| B10010010200 | 2,00     | 5,00             | 40,0     | 2,5      | <b>474,32</b>    |
| B10010010250 | 2,50     | 6,30             | 45,0     | 3,1      | <b>642,39</b>    |
| B10010010315 | 3,15     | 8,00             | 50,0     | 3,9      | <b>714,21</b>    |
| B10010010400 | 4,00     | 10,00            | 56,0     | 5,0      | <b>912,38</b>    |
| B10010010500 | 5,00     | 12,50            | 63,0     | 6,3      | <b>1.276,15</b>  |
| B10010010630 | 6,30     | 16,00            | 71,0     | 8,0      | <b>2.269,45</b>  |
| B10010010800 | 8,00     | 20,00            | 80,0     | 10,1     | <b>3.809,12</b>  |
| B10010011000 | 10,00    | 25,00            | 100,0    | 12,8     | <b>7.233,92</b>  |
| B10010011250 | 12,50    | 31,50            | 125,0    | 16,5     | <b>12.201,59</b> |

İSTEK HALİNDE SOL KESİCİ  
OLARAK ÜRETİLEBİLİR.

Siparişlerinize Termin  
Verilecektir.



**Punta Matkabı - Form A HSS-E**



| Ürün kodu    | d1<br>mm | d2<br>(h9)<br>mm | L1<br>mm | L2<br>mm | TL/Adet   |
|--------------|----------|------------------|----------|----------|-----------|
| B00010110100 | 1,00     | 3,15             | 31,5     | 1,3      | 347,99    |
| B00010110125 | 1,25     | 3,15             | 31,5     | 1,6      | 347,99    |
| B00010110160 | 1,60     | 4,0              | 35,5     | 2,0      | 367,86    |
| B00010110200 | 2,00     | 5,0              | 40,0     | 2,5      | 435,52    |
| B00010110250 | 2,50     | 6,3              | 45,0     | 3,1      | 554,15    |
| B00010110315 | 3,15     | 8,0              | 50,0     | 3,9      | 642,39    |
| B00010110400 | 4,00     | 10,0             | 56,0     | 5,0      | 841,85    |
| B00010110500 | 5,00     | 12,5             | 63,0     | 6,3      | 1.204,55  |
| B00010110630 | 6,30     | 16,0             | 71,0     | 8,0      | 2.291,43  |
| B00010110800 | 8,00     | 20,0             | 80,0     | 10,1     | 4.234,08  |
| B00010111000 | 10,00    | 25,0             | 100,0    | 12,8     | 8.307,70  |
| B00010111250 | 12,50    | 31,50            | 125,0    | 16,5     | 13.372,27 |

**Punta Matkabı - Form A HSS-E - TIN KAPLAMALI**



| Ürün kodu    | d1<br>mm | d2<br>(h9)<br>mm | L1<br>mm | L2<br>mm | TL/Adet   |
|--------------|----------|------------------|----------|----------|-----------|
| B10010110100 | 1,00     | 3,15             | 31,5     | 1,3      | 454,40    |
| B10010110125 | 1,25     | 3,15             | 31,5     | 1,6      | 454,40    |
| B10010110160 | 1,60     | 4,00             | 35,5     | 2,0      | 474,32    |
| B10010110200 | 2,00     | 5,00             | 40,0     | 2,5      | 551,85    |
| B10010110250 | 2,50     | 6,30             | 45,0     | 3,1      | 740,82    |
| B10010110315 | 3,15     | 8,00             | 50,0     | 3,9      | 828,96    |
| B10010110400 | 4,00     | 10,00            | 56,0     | 5,0      | 1.062,84  |
| B10010110500 | 5,00     | 12,50            | 63,0     | 6,3      | 1.491,80  |
| B10010110630 | 6,30     | 16,00            | 71,0     | 8,0      | 2.678,98  |
| B10010110800 | 8,00     | 20,00            | 80,0     | 10,1     | 4.786,15  |
| B10010111000 | 10,00    | 25,00            | 100,0    | 12,8     | 9.150,96  |
| B10010111250 | 12,50    | 31,50            | 125,0    | 16,5     | 15.287,58 |

**İSTEK HALİNDE SOL KESİCİ OLARAK ÜRETİLEBİLİR.**

Siparişlerinize Termin Verilecektir.



Punta Matkabı - Form B



| Ürün kodu    | d1<br>mm | d2<br>(h9)<br>mm | d3<br>mm | L1<br>mm | L2<br>mm | TL/Adet   |
|--------------|----------|------------------|----------|----------|----------|-----------|
| B00010000100 | 1,00     | 4,0              | 2,12     | 35,5     | 1,3      | 575,76    |
| B00010000125 | 1,25     | 5,0              | 2,65     | 40,0     | 1,6      | 575,76    |
| B00010000160 | 1,60     | 6,3              | 3,35     | 45,0     | 2,0      | 607,44    |
| B00010000200 | 2,00     | 8,0              | 4,25     | 50,0     | 2,5      | 770,08    |
| B00010000250 | 2,50     | 10,0             | 5,30     | 56,0     | 3,1      | 983,01    |
| B00010000315 | 3,15     | 11,2             | 6,70     | 60,0     | 3,9      | 986,70    |
| B00010000400 | 4,00     | 14,0             | 8,50     | 67,0     | 5,0      | 2.118,91  |
| B00010000500 | 5,00     | 18,0             | 10,60    | 75,0     | 6,3      | 2.685,92  |
| B00010000630 | 6,30     | 20,0             | 13,20    | 80,0     | 8,0      | 3.694,22  |
| B00010000800 | 8,00     | 25,0             | 17,00    | 100,0    | 10,1     | 5.862,14  |
| B00010001000 | 10,00    | 31,5             | 21,20    | 125,0    | 12,8     | 13.662,85 |

İSTEK HALİNDE SOL KESİCİ OLARAK ÜRETİLEBİLİR.

■ Siparişlerinize Termin Verilecektir.

Punta Matkabı - Form R



| Ürün kodu    | d1<br>mm | d2<br>(h9)<br>mm | L1<br>mm | L2<br>mm | TL/Adet   |
|--------------|----------|------------------|----------|----------|-----------|
| B00010020200 | 2,00     | 5,0              | 40,0     | 2,5      | 485,96    |
| B00010020250 | 2,50     | 6,3              | 45,0     | 3,1      | 625,03    |
| B00010020315 | 3,15     | 8,0              | 50,0     | 3,9      | 718,70    |
| B00010020400 | 4,00     | 10,0             | 56,0     | 5,0      | 942,35    |
| B00010020500 | 5,00     | 12,5             | 63,0     | 6,3      | 1.347,06  |
| B00010020630 | 6,30     | 16,0             | 71,0     | 8,0      | 2.564,29  |
| B00010020800 | 8,00     | 20,0             | 80,0     | 10,1     | 4.433,11  |
| B00010021000 | 10,00    | 25,0             | 100,0    | 12,8     | 10.444,34 |

İSTEK HALİNDE SOL KESİCİ OLARAK ÜRETİLEBİLİR.

■ Siparişlerinize Termin Verilecektir.



### Punta Matkabı Uzun HSS



| Ürün kodu    | d1<br>mm | d2<br>(h9)<br>mm | L1<br>mm | L2<br>mm | TL/Adet         |
|--------------|----------|------------------|----------|----------|-----------------|
| B00010420100 | 2,00     | 6,0              | 100      | 2,5      | <b>945,96</b>   |
| B00010425100 | 2,50     | 8,0              | 100      | 3,1      | <b>945,96</b>   |
| B00010430100 | 3,15     | 8,0              | 100      | 3,7      | <b>1.043,03</b> |
| B00010440100 | 4,00     | 10,0             | 100      | 5,0      | <b>1.126,32</b> |
| B00010450100 | 5,00     | 12,5             | 100      | 6,3      | <b>1.378,68</b> |
| B00010420120 | 2,00     | 6,0              | 120      | 2,5      | <b>1.016,53</b> |
| B00010425120 | 2,50     | 8,0              | 120      | 3,1      | <b>1.016,53</b> |
| B00010430120 | 3,15     | 8,0              | 120      | 3,7      | <b>1.121,89</b> |
| B00010440120 | 4,00     | 10,0             | 120      | 5,0      | <b>1.210,80</b> |
| B00010450120 | 5,00     | 12,5             | 120      | 6,3      | <b>1.482,23</b> |

Siparişlerinize Termin Verilecektir.

### Punta Matkabı Uzun HSS-E



| Ürün kodu    | d1<br>mm | d2<br>(h9)<br>mm | L1<br>mm | L2<br>mm | TL/Adet         |
|--------------|----------|------------------|----------|----------|-----------------|
| B00010520100 | 2,00     | 6,0              | 100      | 2,5      | <b>1.087,56</b> |
| B00010525100 | 2,50     | 8,0              | 100      | 3,1      | <b>1.087,56</b> |
| B00010530100 | 3,15     | 8,0              | 100      | 3,7      | <b>1.199,51</b> |
| B00010540100 | 4,00     | 10,0             | 100      | 5,0      | <b>1.295,27</b> |
| B00010550100 | 5,00     | 12,5             | 100      | 6,3      | <b>1.585,57</b> |
| B00010520120 | 2,00     | 6,0              | 120      | 2,5      | <b>1.169,17</b> |
| B00010525120 | 2,50     | 8,0              | 120      | 3,1      | <b>1.169,17</b> |
| B00010530120 | 3,15     | 8,0              | 120      | 3,7      | <b>1.289,81</b> |
| B00010540120 | 4,00     | 10,0             | 120      | 5,0      | <b>1.392,66</b> |
| B00010550120 | 5,00     | 12,0             | 120      | 6,3      | <b>1.704,82</b> |

İSTEK HALİNDE SOL KESME YÖNLÜ OLARAK ÜRETİLEBİLİR.

Siparişlerinize Termin Verilecektir.



MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

Çift Taraflı Matkap Ucu (Karoseri Matkap Ucu)



| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>mm | TL/Adet |
|--------------|----------|----------|----------|---------|
| B00008770200 | 2,0      | 38       | 8        | 98,08   |
| B00008770250 | 2,5      | 43       | 10       | 102,21  |
| B00008770300 | 3,0      | 46       | 11       | 107,89  |
| B00008770310 | 3,1      | 49       | 11       | 142,58  |
| B00008770320 | 3,2      | 49       | 11       | 142,58  |
| B00008770330 | 3,3      | 49       | 11       | 132,19  |
| B00008770350 | 3,5      | 52       | 14       | 122,38  |
| B00008770400 | 4,0      | 55       | 14       | 147,21  |
| B00008770420 | 4,2      | 55       | 14       | 160,52  |
| B00008770450 | 4,5      | 58       | 17       | 171,31  |
| B00008770500 | 5,0      | 62       | 17       | 184,47  |
| B00008770520 | 5,2      | 62       | 17       | 215,40  |
| B00008770550 | 5,5      | 66       | 19       | 243,73  |
| B00008770600 | 6,0      | 66       | 19       | 255,65  |

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

Siparişlerinize Termin Verilecektir.



MAKİNA TAKIM ENDÜSTRİSİ A.Ş.

### Silindirik Saplı Kısa Matkap Ucu - HADDELİ SET



**Kullanım Yeri:** Sıcak haddeleme teknolojisi ile üretilir. Yüksek burulma momenti ve elastikiyeti sayesinde düşük alaşımlı 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

| Ürün kodu    | d1<br>mm                                    | L1<br>mm | TL/Adet  |
|--------------|---------------------------------------------|----------|----------|
| B00000210010 | Ø1 - Ø10 Arası<br>+0,5 Matkap Ucu 10'lu Set |          | 3.904,99 |





## KILAVUZLAR



MAKINA TAKIM ENDÜSTRİSİ A.Ş.



**MAKİNA TAKIM ENDÜSTRİSİ A.Ş.**

## Kılavuzlar İçin Kullanılması Gereken Matkap Çapları

| METRİK ISO VİDALAR<br>DIN 13      |                        | İNCE VİDA UNF - NF     |                        | METRİK ISO TRAPEZ VİDA<br>DIN 103 |               |                        | WHITWORTH BORU VİDA<br>DIN11 |                        |
|-----------------------------------|------------------------|------------------------|------------------------|-----------------------------------|---------------|------------------------|------------------------------|------------------------|
| Anma<br>çapı<br>(mm)              | Matkap<br>çapı<br>(mm) | Anma<br>çapı<br>(inch) | Matkap<br>çapı<br>(mm) | Anma<br>çapı<br>(inch)            | Hatve<br>(mm) | Matkap<br>çapı<br>(mm) | Anma<br>çapı<br>(inch)       | Matkap<br>çapı<br>(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                  |                              |                        |
| METRİK İNCE ISO VİDALAR<br>DIN 13 |                        | PG VİDA DIN 40430      |                        |                                   |               |                        |                              |                        |
| Anma<br>çapı<br>(mm)              | Matkap<br>çapı<br>(mm) | Anma<br>çapı<br>(inch) | Matkap<br>çapı<br>(mm) |                                   |               |                        |                              |                        |
| M 4x0.35                          | 3,60                   | Pg 7.0                 | 11,40                  |                                   |               |                        |                              |                        |
| M 4x0.5                           | 3,50                   | Pg 9.0                 | 14,00                  |                                   |               |                        |                              |                        |
| M 5x0.5                           | 4,50                   | Pg 11.0                | 17,30                  |                                   |               |                        |                              |                        |
| M 6x0.5                           | 5,50                   | Pg 13.5                | 19,00                  |                                   |               |                        |                              |                        |
| M 6x0.75                          | 5,25                   | Pg 16.0                | 21,30                  |                                   |               |                        |                              |                        |
| M 7x0.75                          | 6,25                   | Pg 21.0                | 26,90                  |                                   |               |                        |                              |                        |
| M 8x0.5                           | 7,50                   | Pg 29.0                | 35,50                  |                                   |               |                        |                              |                        |
| M 8x0.75                          | 7,25                   | Pg 36.0                | 45,50                  |                                   |               |                        |                              |                        |
| M 8x1                             | 7,00                   | Pg 42.0                | 52,50                  |                                   |               |                        |                              |                        |
| M 9x1                             | 8,00                   | Pg 48.0                | 57,80                  |                                   |               |                        |                              |                        |
| M 10x0.75                         | 9,25                   |                        |                        |                                   |               |                        |                              |                        |
| M 10X1                            | 9,00                   |                        |                        |                                   |               |                        |                              |                        |
| WHITWORTH VİDA<br>DIN 11          |                        |                        |                        |                                   |               |                        |                              |                        |
| Anma<br>çapı<br>(inch)            | Matkap<br>çapı<br>(mm) |                        |                        |                                   |               |                        |                              |                        |
| 1/16"                             | 1,15                   |                        |                        |                                   |               |                        |                              |                        |
| 1/8"                              | 2,55                   |                        |                        |                                   |               |                        |                              |                        |
| 3/16"                             | 3,70                   |                        |                        |                                   |               |                        |                              |                        |
| 1/4"                              | 5,10                   |                        |                        |                                   |               |                        |                              |                        |
| 5/16"                             | 6,50                   |                        |                        |                                   |               |                        |                              |                        |
| 3/8"                              | 7,90                   |                        |                        |                                   |               |                        |                              |                        |
| 7/16"                             | 9,30                   |                        |                        |                                   |               |                        |                              |                        |
| 1/2"                              | 10,50                  |                        |                        |                                   |               |                        |                              |                        |
| 9/16"                             | 12,10                  |                        |                        |                                   |               |                        |                              |                        |
| 5/8"                              | 13,50                  |                        |                        |                                   |               |                        |                              |                        |
| 11/16"                            | 15,00                  |                        |                        |                                   |               |                        |                              |                        |
| 3/4"                              | 16,25                  |                        |                        |                                   |               |                        |                              |                        |
| 13/16"                            | 18,00                  |                        |                        |                                   |               |                        |                              |                        |
| 7/8"                              | 19,25                  |                        |                        |                                   |               |                        |                              |                        |
| 15/16"                            | 21,00                  |                        |                        |                                   |               |                        |                              |                        |
| 1"                                | 22,00                  |                        |                        |                                   |               |                        |                              |                        |
| 1 1/8"                            | 24,75                  |                        |                        |                                   |               |                        |                              |                        |
| 1 1/4"                            | 28,00                  |                        |                        |                                   |               |                        |                              |                        |
| 1 3/8"                            | 30,00                  |                        |                        |                                   |               |                        |                              |                        |
| 1 1/2"                            | 33,50                  |                        |                        |                                   |               |                        |                              |                        |
| 1 5/8"                            | 35,50                  |                        |                        |                                   |               |                        |                              |                        |
| 1 3/4"                            | 39,00                  |                        |                        |                                   |               |                        |                              |                        |
| 1 7/8"                            | 41,50                  |                        |                        |                                   |               |                        |                              |                        |
| 2"                                | 44,50                  |                        |                        |                                   |               |                        |                              |                        |
| KABA VİDA UNC - NC                |                        |                        |                        |                                   |               |                        |                              |                        |
| Anma<br>çapı<br>(inch)            | Matkap<br>çapı<br>(mm) |                        |                        |                                   |               |                        |                              |                        |
| Nr. 1                             | 1,55                   |                        |                        |                                   |               |                        |                              |                        |
| Nr. 2                             | 1,85                   |                        |                        |                                   |               |                        |                              |                        |
| Nr. 3                             | 2,10                   |                        |                        |                                   |               |                        |                              |                        |
| Nr. 4                             | 2,35                   |                        |                        |                                   |               |                        |                              |                        |
| Nr. 5                             | 2,65                   |                        |                        |                                   |               |                        |                              |                        |
| Nr. 6                             | 2,85                   |                        |                        |                                   |               |                        |                              |                        |
| Nr. 8                             | 3,45                   |                        |                        |                                   |               |                        |                              |                        |
| Nr.10                             | 3,90                   |                        |                        |                                   |               |                        |                              |                        |
| Nr.12                             | 4,50                   |                        |                        |                                   |               |                        |                              |                        |
| 1/4"                              | 5,20                   |                        |                        |                                   |               |                        |                              |                        |
| 5/16"                             | 6,60                   |                        |                        |                                   |               |                        |                              |                        |
| 3/8"                              | 8,00                   |                        |                        |                                   |               |                        |                              |                        |
| 7/16"                             | 9,40                   |                        |                        |                                   |               |                        |                              |                        |
| 1/2"                              | 10,80                  |                        |                        |                                   |               |                        |                              |                        |
| 9/16"                             | 12,20                  |                        |                        |                                   |               |                        |                              |                        |
| 5/8"                              | 13,50                  |                        |                        |                                   |               |                        |                              |                        |
| 3/4"                              | 16,50                  |                        |                        |                                   |               |                        |                              |                        |
| 7/8"                              | 19,50                  |                        |                        |                                   |               |                        |                              |                        |
| 1"                                | 22,25                  |                        |                        |                                   |               |                        |                              |                        |
| 1 1/8"                            | 25,00                  |                        |                        |                                   |               |                        |                              |                        |
| 1 1/4"                            | 28,00                  |                        |                        |                                   |               |                        |                              |                        |
| 1 1/2"                            | 34,00                  |                        |                        |                                   |               |                        |                              |                        |



| METRIK ISO VİDALAR<br>DIN 13 | METRIK İNCE ISO VİDALAR<br>DIN 13 | İNCE VİDA UNF - NF | G (BSP) BORU VİDASI |
|------------------------------|-----------------------------------|--------------------|---------------------|
|------------------------------|-----------------------------------|--------------------|---------------------|

## KILAVUZLAR



Metrik Normal Vidalı 3'lü Takım Kılavuzu



| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | k<br>(h12)<br>mm | TL/Adet   |
|--------------|----------|-----------|----------|----------|----------|------------------|-----------|
| B00100040200 | M2       | 0,4       | 36       | 8        | 2,8      | 2,1              | 2.439,73  |
| B00100040250 | M2,5     | 0,45      | 40       | 9        | 2,8      | 2,1              | 2.439,73  |
| B00100040300 | M3       | 0,5       | 40       | 11       | 3,5      | 2,7              | 1.480,13  |
| B00100040350 | M3,5     | 0,6       | 45       | 13       | 4,0      | 3,0              | 2.215,91  |
| B00100040400 | M4       | 0,7       | 45       | 13       | 4,5      | 3,4              | 1.480,13  |
| B00100040450 | M4.5     | 0,75      | 50       | 16       | 6,0      | 4,9              | 2.452,94  |
| B00100040500 | M5       | 0,8       | 50       | 16       | 6,0      | 4,9              | 1.504,55  |
| B00100040600 | M6       | 1         | 56       | 19       | 6,0      | 4,9              | 1.589,14  |
| B00100040700 | M7       | 1         | 56       | 19       | 6,0      | 4,9              | 2.182,90  |
| B00100040800 | M8       | 1,25      | 63       | 22       | 6,0      | 4,9              | 1.752,87  |
| B00100040900 | M9       | 1,25      | 63       | 22       | 7,0      | 5,5              | 3.046,45  |
| B00100041000 | M10      | 1,5       | 70       | 24       | 7,0      | 5,5              | 2.370,98  |
| B00100041100 | M11      | 1,5       | 70       | 24       | 8,0      | 6,2              | 4.019,70  |
| B00100041200 | M12      | 1,75      | 75       | 28       | 9,0      | 7,0              | 3.184,01  |
| B00100041400 | M14      | 2         | 80       | 30       | 11,0     | 9,0              | 3.768,86  |
| B00100041600 | M16      | 2         | 80       | 32       | 12,0     | 9,0              | 4.564,59  |
| B00100041800 | M18      | 2,5       | 95       | 34       | 14,0     | 11,0             | 6.558,82  |
| B00100042000 | M20      | 2,5       | 95       | 34       | 16,0     | 12,0             | 7.378,25  |
| B00100042200 | M22      | 2,5       | 100      | 34       | 18,0     | 14,5             | 9.816,28  |
| B00100042400 | M24      | 3         | 110      | 38       | 18,0     | 14,5             | 11.610,27 |
| B00100042600 | M26      | 3         | 110      | 38       | 20,0     | 16,0             | 19.189,97 |
| B00100042700 | M27      | 3         | 110      | 38       | 20,0     | 16,0             | 16.684,90 |
| B00100042800 | M28      | 3         | 110      | 38       | 20,0     | 16,0             | 23.890,82 |
| B00100043000 | M30      | 3,5       | 125      | 45       | 22,0     | 18,0             | 20.937,70 |
| B00100043300 | M33      | 3,5       | 125      | 50       | 25,0     | 20,0             | 25.739,09 |
| B00100043600 | M36      | 4         | 150      | 56       | 28,0     | 22               | 30.210,45 |
| B00100043900 | M39      | 4         | 150      | 60       | 32       | 24               | *         |
| B00100044200 | M42      | 4,5       | 150      | 60       | 32       | 24               | 42.574,28 |
| B00100044500 | M45      | 4,5       | 160      | 65       | 36       | 29               | 50.311,85 |
| B00100044800 | M48      | 5         | 180      | 70       | 36       | 29               | 55.969,04 |
| 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<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | k<br>(h12)<br>mm | TL/Adet   |
|--------------|----------|-----------|----------|----------|----------|------------------|-----------|
| B00109130300 | M3       | 0,5       | 40       | 11       | 3,5      | 2,7              | 1.681,89  |
| B00109130400 | M4       | 0,7       | 45       | 13       | 4,5      | 3,4              | 1.681,89  |
| B00109130500 | M5       | 0,8       | 50       | 16       | 6,0      | 4,9              | 1.710,05  |
| B00109130600 | M6       | 1         | 56       | 19       | 6,0      | 4,9              | 1.798,65  |
| B00109130800 | M8       | 1,25      | 63       | 22       | 6,0      | 4,9              | 1.988,94  |
| B00109131000 | M10      | 1,5       | 70       | 24       | 7,0      | 5,5              | 2.685,14  |
| B00109131200 | M12      | 1,75      | 75       | 28       | 9,0      | 7,0              | 3.669,12  |
| B00109131400 | M14      | 2         | 80       | 30       | 11,0     | 9,0              | 4.338,07  |
| B00109131600 | M16      | 2         | 80       | 32       | 12,0     | 9,0              | 5.227,01  |
| B00109132000 | M20      | 2,5       | 95       | 34       | 16       | 12               | 8.463,53  |
| B00109132400 | M24      | 3         | 110      | 38       | 18       | 14,5             | 13.352,73 |
| B00109132700 | M27      | 3         | 110      | 38       | 20       | 16               | 22.066,76 |
| B00109133000 | M30      | 3,5       | 125      | 45       | 22       | 18               | 27.696,08 |

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<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | k<br>(h12)<br>mm | TL/Adet  |
|--------------|----------|-----------|----------|----------|----------|------------------|----------|
| B00109490300 | M3       | 0,5       | 40       | 11       | 3,5      | 2,7              | 1.950,31 |
| B00109490400 | M4       | 0,7       | 45       | 13       | 4,5      | 3,4              | 1.950,31 |
| B00109490500 | M5       | 0,8       | 50       | 16       | 6,0      | 4,9              | 1.977,86 |
| B00109490600 | M6       | 1         | 56       | 19       | 6,0      | 4,9              | 2.086,70 |
| B00109490700 | M7       | 1         | 56       | 19       | 6,0      | 4,9              | 2.875,43 |
| B00109490800 | M8       | 1,25      | 63       | 22       | 6,0      | 4,9              | 2.307,01 |
| B00109490900 | M9       | 1,25      | 63       | 22       | 7,0      | 5,5              | 4.011,32 |
| B00109491000 | M10      | 1,5       | 70       | 24       | 7,0      | 5,5              | 3.120,98 |
| B00109491100 | M11      | 1,5       | 70       | 24       | 8,0      | 6,2              | 5.361,02 |
| B00109491200 | M12      | 1,75      | 75       | 28       | 9,0      | 7,0              | 4.235,72 |
| B00109491400 | M14      | 2         | 80       | 30       | 11,0     | 9,0              | 5.019,65 |
| B00109491600 | M16      | 2         | 80       | 32       | 12,0     | 9,0              | 6.065,99 |
| B00109491800 | M18      | 2,5       | 95       | 34       | 14,0     | 11,0             | 8.714,35 |
| B00109492000 | M20      | 2,5       | 95       | 34       | 16,0     | 12,0             | 9.803,63 |
| B00109492200 | M22      | 2,5       | 100      | 34       | 18,0     | 14,5             | *        |
| B00109492400 | M24      | 3         | 110      | 38       | 18,0     | 14,5             | *        |
| B00109492600 | M26      | 3         | 110      | 38       | 20,0     | 16,0             | *        |
| B00109492700 | M27      | 3         | 110      | 38       | 20,0     | 16,0             | *        |
| B00109492800 | M28      | 3         | 110      | 38       | 20,0     | 16,0             | *        |
| B00109493000 | M30      | 3,5       | 125      | 45       | 22,0     | 18,0             | *        |

■ Siparişlerinize Termin Verilecektir.

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.



Whitworth Normal Vidalı 3'lü Takım Kılavuzu



| Ürün kodu    | d1<br>BSW | P<br>adım<br>G/Inch | L1<br>mm | L2<br>mm | d2<br>mm | k<br>(h12)<br>mm | TL/Adet   |
|--------------|-----------|---------------------|----------|----------|----------|------------------|-----------|
| B00100100317 | W 1/8"    | 40                  | 40       | 11       | 3,5      | 2,7              | 2.167,83  |
| B00100100397 | W 5/32"   | 32                  | 45       | 13       | 4,5      | 3,4              | 2.568,63  |
| B00100100476 | W 3/16"   | 24                  | 50       | 16       | 6,0      | 4,9              | 2.304,92  |
| B00100100556 | W 7/32"   | 24                  | 50       | 16       | 6,0      | 4,9              | 2.793,16  |
| B00100100635 | W 1/4"    | 20                  | 50       | 19       | 6,0      | 4,9              | 2.378,66  |
| B00100100794 | W 5/16"   | 18                  | 56       | 22       | 6,0      | 4,9              | 2.598,07  |
| B00100100952 | W 3/8"    | 16                  | 70       | 24       | 7,0      | 5,5              | 3.120,67  |
| B00100101111 | W 7/16"   | 14                  | 70       | 24       | 8,0      | 6,2              | 3.925,07  |
| B00100101270 | W 1/2"    | 12                  | 75       | 29       | 9,0      | 7,0              | 4.742,95  |
| B00100101429 | W 9/16"   | 12                  | 80       | 30       | 11,0     | 9,0              | 6.140,44  |
| B00100101587 | W 5/8"    | 11                  | 80       | 32       | 12,0     | 9,0              | 6.965,63  |
| B00100101905 | W 3/4"    | 10                  | 95       | 40       | 14,0     | 11,0             | 9.668,95  |
| B00100102222 | W 7/8"    | 9                   | 100      | 40       | 18,0     | 14,5             | 12.922,53 |
| B00100102540 | W 1"      | 8                   | 110      | 50       | 20,0     | 16,0             | 15.763,36 |
| 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<br>UNC | P<br>adım<br>G/Inch | L1<br>mm | L2<br>mm | d2<br>mm | k<br>(h12)<br>mm | TL/Adet   |
|--------------|-----------|---------------------|----------|----------|----------|------------------|-----------|
| B00100140350 | Nr. 6     | 32                  | 45       | 13       | 4,0      | 3,0              | 2.332,32  |
| B00100140417 | Nr. 8     | 32                  | 45       | 13       | 4,5      | 3,4              | 2.332,32  |
| B00100140483 | Nr. 10    | 24                  | 50       | 16       | 6,0      | 4,9              | 2.438,19  |
| B00100140549 | Nr. 12    | 24                  | 50       | 16       | 6,0      | 4,9              | 2.600,92  |
| B00100140635 | 1/4"      | 20                  | 50       | 19       | 6,0      | 4,9              | 2.461,02  |
| B00100140794 | 5/16"     | 18                  | 56       | 22       | 6,0      | 4,9              | 2.767,95  |
| B00100140952 | 3/8"      | 16                  | 70       | 24       | 7,0      | 5,5              | 3.349,60  |
| B00100141111 | 7/16"     | 14                  | 70       | 24       | 8,0      | 6,2              | 4.044,06  |
| B00100141270 | 1/2"      | 13                  | 75       | 29       | 9,0      | 7,0              | 4.628,61  |
| B00100141429 | 9/16"     | 12                  | 80       | 30       | 11,0     | 9,0              | 6.598,79  |
| B00100141587 | 5/8"      | 11                  | 80       | 32       | 12,0     | 9,0              | 6.369,85  |
| B00100141905 | 3/4"      | 10                  | 95       | 40       | 14,0     | 11,0             | 9.187,83  |
| B00100142222 | 7/8"      | 9                   | 100      | 40       | 18,0     | 14,5             | 13.197,45 |
| B00100142540 | 1"        | 8                   | 110      | 50       | 20,0     | 16,0             | 16.725,51 |
| 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<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | k<br>(h12)<br>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              | 2.284,12  |
| B00102030803 | M 8      | 0.5       | 56       | 18       | 6        | 4,9              | *         |
| B00102030804 | M 8      | 0.75      | 56       | 18       | 6        | 4,9              | 2.812,96  |
| B00102030805 | M 8      | 1         | 63       | 22       | 6        | 4,9              | 2.411,02  |
| B00102031000 | M 10     | 1.25      | 70       | 24       | 7        | 5,5              | 3.319,22  |
| 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              | 2.747,30  |
| 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              | 3.778,32  |
| B00102031205 | M 12     | 1         | 70       | 22       | 9        | 7,0              | 3.205,69  |
| B00102031206 | M 12     | 1.5       | 70       | 22       | 9        | 7,0              | 2.974,23  |
| B00102031400 | M 14     | 1.25      | 70       | 22       | 11       | 9,0              | 4.232,07  |
| B00102031405 | M 14     | 1         | 70       | 22       | 11       | 9,0              | 4.472,98  |
| B00102031406 | M 14     | 1.5       | 70       | 22       | 11       | 9,0              | 3.778,32  |
| 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              | 5.063,08  |
| B00102031606 | M 16     | 1.5       | 70       | 22       | 12       | 9,0              | 4.232,07  |
| B00102031805 | M 18     | 1         | 80       | 22       | 14       | 11,0             | 6.606,65  |
| B00102031806 | M 18     | 1.5       | 80       | 22       | 14       | 11,0             | 5.290,01  |
| B00102031808 | M 18     | 2         | 80       | 22       | 14       | 11,0             | 7.247,02  |
| B00102032005 | M 20     | 1         | 80       | 22       | 16       | 12,0             | 7.446,82  |
| B00102032006 | M 20     | 1.5       | 80       | 22       | 16       | 12,0             | 5.880,71  |
| B00102032008 | M 20     | 2         | 80       | 22       | 16       | 12,0             | 8.037,39  |
| B00102032205 | M 22     | 1         | 80       | 22       | 18       | 14,5             | 10.058,07 |
| B00102032206 | M 22     | 1.5       | 80       | 22       | 18       | 14,5             | 8.559,29  |
| B00102032208 | M 22     | 2         | 80       | 22       | 18       | 14,5             | 10.058,07 |
| B00102032405 | M 24     | 1         | 90       | 22       | 18       | 14,5             | 11.511,23 |
| B00102032406 | M 24     | 1.5       | 90       | 22       | 18       | 14,5             | 9.739,95  |

■ Siparişlerinize Termin Verilecektir.

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.

Devamı sayfa 76'dedir



Metrik İnce Vidalı 2'li Takım Kılavuzu



| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | k<br>(h12)<br>mm | TL/Adet   |
|--------------|----------|-----------|----------|----------|----------|------------------|-----------|
| B00102032408 | M 24     | 2         | 90       | 22       | 18       | 14,5             | 10.466,81 |
| B00102032506 | M 25     | 1.5       | 90       | 22       | 18       | 14,5             | 13.327,25 |
| B00102032606 | M 26     | 1.5       | 90       | 22       | 18       | 14,5             | 11.924,56 |
| B00102032608 | M 26     | 2         | 90       | 22       | 18       | 14,5             | 11.924,56 |
| B00102032706 | M 27     | 1.5       | 90       | 22       | 20       | 16,0             | 12.259,95 |
| B00102032708 | M 27     | 2         | 90       | 22       | 20       | 16,0             | 13.385,21 |
| B00102032806 | M 28     | 1.5       | 90       | 22       | 20       | 16,0             | 13.286,66 |
| B00102032808 | M 28     | 2         | 90       | 22       | 20       | 16,0             | 13.799,88 |
| B00102033006 | M 30     | 1.5       | 90       | 22       | 22       | 18,0             | 13.630,70 |
| B00102033008 | M 30     | 2         | 90       | 22       | 22       | 18,0             | 15.399,98 |
| 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             | 20.848,37 |
| 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             | 23.763,96 |
| 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



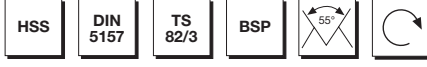
| Ürün kodu    | d1<br>UNF | P<br>adım<br>G/Inch | L1<br>mm | L2<br>mm | d2<br>mm | k<br>(h12)<br>mm | TL/Adet   |
|--------------|-----------|---------------------|----------|----------|----------|------------------|-----------|
| B00102060350 | Nr. 6     | 40                  | 45       | 12       | 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              | 1.859,13  |
| B00102060794 | 5/16"     | 24                  | 56       | 22       | 6        | 4,9              | 2.108,53  |
| B00102060952 | 3/8"      | 24                  | 63       | 20       | 7        | 5,5              | 2.416,03  |
| B00102061111 | 7/16"     | 20                  | 63       | 20       | 8        | 6,2              | 3.109,05  |
| B00102061270 | 1/2"      | 20                  | 70       | 22       | 9        | 7,0              | 3.258,31  |
| B00102061429 | 9/16"     | 18                  | 70       | 22       | 11       | 9,0              | 4.613,78  |
| B00102061587 | 5/8"      | 18                  | 70       | 22       | 12       | 9,0              | 4.858,68  |
| B00102061905 | 3/4"      | 16                  | 80       | 22       | 14       | 11,0             | 6.596,95  |
| B00102062222 | 7/8"      | 14                  | 80       | 22       | 18       | 14,5             | 9.115,79  |
| B00102062540 | 1"        | 12                  | 90       | 22       | 18       | 14,5             | 12.191,42 |
| B00102063175 | 1 1/4"    | 12                  | 90       | 22       | 22       | 18               | *         |
| B00102063810 | 1 1/2"    | 12                  | 110      | 32       | 32       | 24               | *         |

■ Siparişlerinize Termin Verilecektir.

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.



Whitworth Boru Vidalı 2'li Takım Kılavuzu



| Ürün kodu    | d1<br>BSP | P<br>adım<br>G/Inch | L1<br>mm | L2<br>mm | d2<br>mm | k<br>(h12)<br>mm | TL/Adet   |
|--------------|-----------|---------------------|----------|----------|----------|------------------|-----------|
| B00102300973 | G 1/8"    | 28                  | 63       | 19       | 7        | 5,5              | 2.747,89  |
| B00102301316 | G 1/4"    | 19                  | 70       | 21       | 11       | 9                | 3.634,84  |
| B00102301666 | G 3/8"    | 19                  | 70       | 21       | 12       | 9                | 4.166,51  |
| B00102302095 | G 1/2"    | 14                  | 80       | 22       | 16       | 12               | 5.598,81  |
| B00102302291 | G 5/8"    | 14                  | 80       | 22       | 18       | 14.5             | 8.383,66  |
| B00102302644 | G 3/4"    | 14                  | 90       | 22       | 20       | 16               | 8.725,09  |
| B00102303020 | G 7/8"    | 14                  | 90       | 22       | 22       | 18               | 13.413,89 |
| B00102303325 | G 1"      | 11                  | 100      | 25       | 25       | 20               | 14.977,17 |
| B00102304191 | G 1 1/4"  | 11                  | 125      | 31       | 32       | 24               | 27.532,56 |
| B00102304780 | G 1 1/2"  | 11                  | 140      | 31       | 36       | 29               | 39.633,91 |
| B00102305375 | G 1 3/4"  | 11                  | 140      | 33       | 40       | 32               | 49.555,43 |
| B00102305961 | G 2"      | 11                  | 160      | 37       | 40       | 35               | 55.016,40 |

Siparişlerinize Termin Verilecektir.



## Metrik Normal Vidalı Son Kılavuz



| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | k<br>(h12)<br>mm | TL/Adet   |
|--------------|----------|-----------|----------|----------|----------|------------------|-----------|
| B00104040200 | M 2      | 0.4       | 36       | 8        | 2,8      | 2,1              | 823,90    |
| B00104040250 | M 2,5    | 0.45      | 40       | 9        | 2,8      | 2,1              | 823,90    |
| B00104040300 | M 3      | 0.5       | 40       | 11       | 3,5      | 2,7              | 498,29    |
| B00104040350 | M 3,5    | 0.6       | 45       | 12       | 4,0      | 3,0              | 744,04    |
| B00104040400 | M 4      | 0.7       | 45       | 13       | 4,5      | 3,4              | 498,29    |
| B00104040500 | M 5      | 0.8       | 50       | 16       | 6,0      | 4,9              | 505,01    |
| B00104040600 | M 6      | 1         | 56       | 19       | 6,0      | 4,9              | 532,71    |
| B00104040700 | M 7      | 1         | 56       | 19       | 6,0      | 4,9              | 733,43    |
| B00104040800 | M 8      | 1.25      | 63       | 22       | 6,0      | 4,9              | 588,80    |
| B00104040900 | M 9      | 1.25      | 63       | 22       | 7,0      | 5,5              | 1.019,78  |
| B00104041000 | M 10     | 1.5       | 70       | 24       | 7,0      | 5,5              | 795,78    |
| B00104041200 | M 12     | 1.75      | 75       | 29       | 9,0      | 7,0              | 1.065,55  |
| B00104041400 | M 14     | 2         | 80       | 30       | 11,0     | 9,0              | 1.263,30  |
| B00104041600 | M 16     | 2         | 80       | 32       | 12,0     | 9,0              | 1.522,32  |
| B00104041800 | M 18     | 2.5       | 95       | 40       | 14,0     | 11,0             | 2.190,59  |
| B00104042000 | M 20     | 2.5       | 95       | 34       | 16,0     | 12,0             | 2.460,25  |
| B00104042200 | M 22     | 2.5       | 100      | 34       | 18,0     | 14,5             | 3.277,40  |
| B00104042400 | M 24     | 3         | 110      | 38       | 18,0     | 14,5             | 3.871,90  |
| B00104042600 | M 26     | 3         | 110      | 38       | 20,0     | 16,0             | *         |
| B00104042700 | M 27     | 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             | 7.976,73  |
| B00104043300 | M 33     | 3.5       | 125      | 50       | 25,0     | 20,0             | 9.787,55  |
| B00104043600 | M 36     | 4         | 150      | 56       | 28,0     | 22,0             | 11.589,42 |
| 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.



MAKINA TAKIM ENDÜSTRİSİ A.Ş.

### Metrik Normal Vidalı Son Kılavuz

HSS-E

DIN  
352

TS  
82/1

M



6H



| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | k<br>(h12)<br>mm | TL/Adet  |
|--------------|----------|-----------|----------|----------|----------|------------------|----------|
| B00109160300 | M 3      | 0,5       | 40       | 11       | 3,5      | 2,7              | 588,53   |
| B00109160400 | M 4      | 0,7       | 45       | 13       | 4,5      | 3,4              | 588,53   |
| B00109160500 | M 5      | 0,8       | 50       | 16       | 6,0      | 4,9              | 597,02   |
| B00109160600 | M 6      | 1         | 56       | 19       | 6,0      | 4,9              | 630,79   |
| B00109160800 | M 8      | 1,25      | 63       | 22       | 6,0      | 4,9              | 696,43   |
| B00109161000 | M 10     | 1,5       | 70       | 24       | 7,0      | 5,5              | 946,18   |
| B00109161200 | M 12     | 1,75      | 75       | 28       | 9,0      | 7,0              | 1.282,55 |
| B00109161400 | M 14     | 2         | 80       | 30       | 11,0     | 9,0              | 1.515,16 |
| B00109161600 | M 16     | 2         | 80       | 32       | 12,0     | 9,0              | 1.828,46 |
| B00109162000 | M 20     | 2,5       | 95       | 34       | 16,0     | 12,0             | 2.953,52 |
| 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.



USA Normal Vidalı Son Kılavuz - UNC



| Ürün kodu    | d1<br>UNC | P<br>adım<br>G/Inch | L1<br>mm | L2<br>mm | d2<br>mm | k<br>(h12)<br>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              | 840,24   |
| B00104240794 | 5/16"     | 18                  | 56       | 22       | 6        | 4,9              | 944,88   |
| B00104240952 | 3/8"      | 16                  | 70       | 24       | 7        | 5,5              | 1.140,86 |
| B00104241111 | 7/16"     | 14                  | 70       | 24       | 8        | 6,2              | 1.379,63 |
| B00104241270 | 1/2"      | 13                  | 75       | 29       | 9        | 7,0              | 1.575,64 |

■ Siparişlerinize Termin Verilecektir.

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.



MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

### Metrik İnce Vidalı Son Kılavuz



| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | k<br>(h12)<br>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              | 1.189,55 |
| B00104120804 | M 8      | 0,75      | 56       | 18       | 6        | 4,9              | 1.461,87 |
| B00104120805 | M 8      | 1         | 63       | 22       | 6        | 4,9              | 1.255,78 |
| B00104121005 | M 10     | 1         | 63       | 20       | 7        | 5,5              | 1.429,69 |
| B00104121000 | M 10     | 1,25      | 70       | 24       | 7        | 5,5              | 1.725,36 |
| B00104121205 | M 12     | 1         | 70       | 22       | 9        | 7,0              | 1.668,00 |
| B00104121200 | M 12     | 1,25      | 70       | 22       | 9        | 7,0              | 1.963,63 |
| B00104121206 | M 12     | 1,5       | 70       | 22       | 9        | 7,0              | 1.546,78 |
| B00104121405 | M 14     | 1         | 70       | 22       | 11       | 9,0              | 2.328,03 |
| B00104121400 | M 14     | 1,25      | 70       | 22       | 11       | 9,0              | 2.199,55 |
| B00104121406 | M 14     | 1,5       | 70       | 22       | 11       | 9,0              | 1.963,63 |
| B00104121605 | M 16     | 1         | 70       | 22       | 12       | 9,0              | 2.626,30 |
| B00104121606 | M 16     | 1,5       | 70       | 22       | 12       | 9,0              | 2.199,55 |
| B00104121800 | M 18     | 1,25      | 80       | 22       | 14       | 11,0             | *        |
| B00104121806 | M 18     | 1,5       | 80       | 22       | 14       | 11,0             | 2.749,37 |
| B00104122005 | M 20     | 1         | 80       | 22       | 16       | 12,0             | *        |
| B00104122006 | M 20     | 1,5       | 80       | 22       | 16       | 12,0             | 3.054,14 |
| B00104122008 | M 20     | 2         | 80       | 22       | 16       | 12,0             | 3.860,32 |
| B00104122205 | M 22     | 1         | 80       | 22       | 18       | 14,5             | *        |
| B00104122206 | M 22     | 1,5       | 80       | 22       | 18       | 14,5             | 4.451,59 |
| B00104122405 | M 24     | 1         | 90       | 22       | 18       | 14,5             | *        |
| B00104122406 | M 24     | 1,5       | 90       | 22       | 18       | 14,5             | 5.063,72 |
| B00104123005 | M 30     | 1         | 90       | 22       | 22       | 18,0             | 8.065,34 |
| B00104123006 | M 30     | 1,5       | 90       | 22       | 22       | 18,0             | 8.019,17 |
| B00104123008 | M 30     | 2         | 90       | 22       | 22       | 18,0             | 9.050,34 |

■ Siparişlerinize Termin Verilecektir.

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.



### USA İnce Vidalı Son Kılavuz - UNF



| Ürün kodu    | d1<br><b>UNF</b> | P<br>adım<br>G/Inch | L1<br>mm | L2<br>mm | d2<br>mm | k<br>(h12)<br>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              | 987,80   |
| B00104140794 | 5/16"            | 24                  | 56       | 22       | 6,0      | 4,9              | 1.118,54 |
| B00104140952 | 3/8"             | 24                  | 63       | 20       | 7,0      | 5,5              | 1.283,36 |
| B00104141111 | 7/16"            | 20                  | 63       | 20       | 8,0      | 6,2              | 1.650,13 |
| B00104141270 | 1/2"             | 20                  | 70       | 22       | 9,0      | 7,0              | 1.725,36 |
| B00104141429 | 9/16"            | 18                  | 70       | 22       | 11,0     | 9,0              | 2.440,00 |
| B00104141587 | 5/8"             | 18                  | 70       | 22       | 12,0     | 9,0              | 2.568,63 |
| B00104141905 | 3/4"             | 16                  | 80       | 22       | 14,0     | 11,0             | 3.487,26 |
| B00104142222 | 7/8"             | 14                  | 80       | 22       | 18,0     | 14,5             | 4.834,42 |
| B00104142540 | 1"               | 12                  | 90       | 22       | 18,0     | 14,5             | 6.461,41 |

■ Siparişlerinize Termin Verilecektir.

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.

### Whitworth Boru Vidalı Son Kılavuz



| Ürün kodu    | d1<br><b>BSP</b> | P<br>adım<br>G/Inch | L1<br>mm | L2<br>mm | d2<br>mm | k<br>(h12)<br>mm | TL/Adet  |
|--------------|------------------|---------------------|----------|----------|----------|------------------|----------|
| B00109450973 | G 1/8"           | 28                  | 63       | 19       | 7        | 5,5              | 1.773,08 |
| B00109451316 | G 1/4"           | 19                  | 70       | 21       | 11       | 9,0              | 2.342,45 |
| B00109451666 | G 3/8"           | 19                  | 70       | 21       | 12       | 9,0              | 2.689,90 |
| B00109452095 | G 1/2"           | 14                  | 80       | 22       | 16       | 12,0             | 3.606,88 |
| B00109452644 | G 3/4"           | 14                  | 90       | 22       | 20       | 16,0             | 5.622,13 |
| B00109453325 | G 1"             | 11                  | 100      | 25       | 25       | 20,0             | 9.634,90 |



MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

### Metrik Normal Vidalı Düz Kanallı Makina Kılavuzu



| Ürün kodu           | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | k<br>(h12)<br>mm | TL/Adet         |
|---------------------|----------|-----------|----------|----------|----------|------------------|-----------------|
| B00105720200        | M2       | 0,4       | 45       | 8        | 2,8      | 2,1              | <b>1.380,95</b> |
| B00105720250        | M 2,5    | 0,45      | 50       | 9        | 2,8      | 2,1              | <b>1.356,31</b> |
| B00105720300        | M3       | 0,5       | 56       | 10       | 3,5      | 2,7              | <b>1.023,98</b> |
| B00105720350        | M3,5     | 0,6       | 56       | 12       | 4,0      | 3,0              | <b>1.165,11</b> |
| B00105720400        | M4       | 0,7       | 63       | 12       | 4,5      | 3,4              | <b>1.056,08</b> |
| <b>B00105720450</b> | M4,5     | 0,75      | 70       | 14       | 6,0      | 4,9              | <b>1.772,69</b> |
| B00105720500        | M5       | 0,8       | 70       | 14       | 6,0      | 4,9              | <b>1.056,08</b> |
| B00105720600        | M6       | 1         | 80       | 16       | 6,0      | 4,9              | <b>1.142,36</b> |
| B00105720700        | M7       | 1         | 80       | 16       | 7,0      | 5,5              | <b>1.499,50</b> |
| B00105720800        | M8       | 1,25      | 90       | 18       | 8,0      | 6,2              | <b>1.288,53</b> |
| <b>B00105720900</b> | M9       | 1,25      | 90       | 18       | 9,0      | 7,0              | <b>1.826,85</b> |
| B00105721000        | M10      | 1,5       | 100      | 20       | 10,0     | 8,0              | <b>1.522,79</b> |
| B00105721200        | M12      | 1,75      | 110      | 24       | 12,0     | 9,0              | <b>1.841,26</b> |

Siparişlerinize Termin Verilecektir.



### Metrik Normal Vidalı Eğik Ağız Bilemeli Makina Kılavuzu



| Ürün kodu           | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | k<br>(h12)<br>mm | TL/Adet         |
|---------------------|----------|-----------|----------|----------|----------|------------------|-----------------|
| <b>B00105710250</b> | M2,5     | 0,45      | 50       | 9        | 2,8      | 2,1              | <b>1.469,02</b> |
| B00105710300        | M3       | 0,5       | 56       | 10       | 3,5      | 2,7              | <b>1.102,74</b> |
| B00105710400        | M4       | 0,7       | 63       | 12       | 4,5      | 3,4              | <b>1.140,73</b> |
| B00105710500        | M5       | 0,8       | 70       | 14       | 6,0      | 4,9              | <b>1.140,73</b> |
| B00105710600        | M6       | 1         | 80       | 16       | 6,0      | 4,9              | <b>1.232,02</b> |
| B00105710800        | M8       | 1,25      | 90       | 18       | 8,0      | 6,2              | <b>1.393,28</b> |
| B00105711000        | M10      | 1,5       | 100      | 20       | 10,0     | 8,0              | <b>1.643,17</b> |
| B00105711200        | M12      | 1,75      | 110      | 24       | 12,0     | 9,0              | <b>1.985,82</b> |

Siparişlerinize Termin Verilecektir.

### Metrik Normal Vidalı Helis Kanallı Makina Kılavuzu



| Ürün kodu           | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | k<br>(h12)<br>mm | TL/Adet         |
|---------------------|----------|-----------|----------|----------|----------|------------------|-----------------|
| B00105790607        | M2       | 0,4       | 45       | 8        | 2,8      | 2,1              | <b>1.654,49</b> |
| B00105790608        | M2,5     | 0,45      | 50       | 9        | 2,8      | 2,1              | <b>1.629,52</b> |
| B00105790133        | M3       | 0,5       | 56       | 6        | 3,5      | 2,7              | <b>1.226,63</b> |
| B00105790134        | M4       | 0,7       | 63       | 7        | 4,5      | 3,4              | <b>1.265,28</b> |
| B00105790135        | M5       | 0,8       | 70       | 8        | 6,0      | 4,9              | <b>1.265,28</b> |
| B00105790136        | M6       | 1         | 80       | 10       | 6,0      | 4,9              | <b>1.369,82</b> |
| <b>B00105790142</b> | M7       | 1         | 80       | 10       | 7,0      | 5,5              | <b>1.800,41</b> |
| B00105790137        | M8       | 1,25      | 90       | 12       | 8,0      | 6,2              | <b>1.547,37</b> |
| B00105790138        | M10      | 1,5       | 100      | 14       | 10,0     | 8,0              | <b>1.823,07</b> |
| B00105790139        | M12      | 1,75      | 110      | 16       | 12,0     | 9,0              | <b>2.202,93</b> |

Siparişlerinize Termin Verilecektir.



Metrik Normal Vidalı Düz Kanallı Makina Kılavuzu



| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | k<br>(h12)<br>mm | TL/Adet   |
|--------------|----------|-----------|----------|----------|----------|------------------|-----------|
| B00105780300 | M3       | 0,5       | 56       | 10       | 2,2      | -                | 1.140,73  |
| B00105780350 | M3,5     | 0,6       | 56       | 11       | 2,5      | 2,1              | *         |
| B00105780400 | M4       | 0,7       | 63       | 12       | 2,8      | 2,1              | 1.140,73  |
| B00105780450 | M4,5     | 0,75      | 70       | 14       | 3,5      | 2,7              | *         |
| B00105780500 | M5       | 0,8       | 70       | 14       | 3,5      | 2,7              | 1.153,99  |
| B00105780600 | M6       | 1         | 80       | 16       | 4,5      | 3,4              | 1.153,99  |
| B00105780700 | M7       | 1         | 80       | 16       | 5,5      | 4,3              | *         |
| B00105780800 | M8       | 1,25      | 90       | 18       | 6,0      | 4,9              | 1.381,85  |
| B00105780900 | M9       | 1,25      | 90       | 18       | 7,0      | 5,5              | *         |
| B00105781000 | M10      | 1,5       | 100      | 20       | 7,0      | 5,5              | 1.594,11  |
| B00105781100 | M11      | 1,5       | 100      | 20       | 8,0      | 6,2              | *         |
| B00105781200 | M12      | 1,75      | 110      | 24       | 9,0      | 7,0              | 1.964,94  |
| B00105781400 | M14      | 2         | 110      | 26       | 11,0     | 9,0              | 2.700,98  |
| B00105781600 | M16      | 2         | 110      | 28       | 12,0     | 9,0              | 3.058,43  |
| B00105781800 | M18      | 2,5       | 125      | 30       | 14,0     | 11,0             | 4.447,33  |
| B00105782000 | M20      | 2,5       | 140      | 32       | 16,0     | 12,0             | 4.583,38  |
| B00105782200 | M22      | 2,5       | 140      | 32       | 18,0     | 14,5             | 6.551,17  |
| B00105782400 | M24      | 3         | 160      | 34       | 18,0     | 14,5             | 6.259,98  |
| B00105782700 | M27      | 3         | 160      | 38       | 20,0     | 16,0             | 8.294,50  |
| B00105782800 | M28      | 3         | 160      | 38       | 20,0     | 16,0             | *         |
| B00105783000 | M30      | 3,5       | 180      | 45       | 22,0     | 18,0             | 10.060,82 |
| B00105783300 | M33      | 3,5       | 180      | 50       | 25,0     | 20,0             | 13.570,78 |
| B00105783600 | M36      | 4         | 200      | 56       | 28,0     | 22,0             | 16.678,06 |
| 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<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | k<br>(h12)<br>mm | TL/Adet   |
|--------------|----------|-----------|----------|----------|----------|------------------|-----------|
| B00105770300 | M3       | 0,5       | 56       | 10       | 2,2      | -                | 1.232,10  |
| B00105770400 | M4       | 0,7       | 63       | 12       | 2,8      | 2,1              | 1.232,10  |
| B00105770500 | M5       | 0,8       | 70       | 14       | 3,5      | 2,7              | 1.244,86  |
| B00105770600 | M6       | 1         | 80       | 16       | 4,5      | 3,4              | 1.244,86  |
| B00105770800 | M8       | 1,25      | 90       | 18       | 6,0      | 4,9              | 1.493,54  |
| B00105771000 | M10      | 1,5       | 100      | 20       | 7,0      | 5,5              | 1.719,41  |
| B00105771200 | M12      | 1,75      | 110      | 24       | 9,0      | 7,0              | 2.123,55  |
| B00105771400 | M14      | 2         | 110      | 26       | 11,0     | 9,0              | 2.915,92  |
| B00105771600 | M16      | 2         | 110      | 28       | 12,0     | 9,0              | 3.306,96  |
| B00105771800 | M18      | 2,5       | 125      | 30       | 14,0     | 11,0             | 4.808,93  |
| B00105772000 | M20      | 2,5       | 140      | 32       | 16,0     | 12,0             | 4.962,31  |
| B00105772200 | M22      | 2,5       | 140      | 32       | 18,0     | 14,5             | 7.070,43  |
| B00105772400 | M24      | 3         | 160      | 34       | 18,0     | 14,5             | 6.785,05  |
| B00105772700 | M27      | 3         | 160      | 38       | 20,0     | 16,0             | 8.958,77  |
| B00105773000 | M30      | 3,5       | 180      | 45       | 22,0     | 18,0             | 10.891,23 |

Metrik Normal Vidalı Helis Kanallı Makina Kılavuzu



| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | k<br>(h12)<br>mm | TL/Adet   |
|--------------|----------|-----------|----------|----------|----------|------------------|-----------|
| B00105790249 | M3       | 0,5       | 56       | 6        | 2,2      | -                | 1.363,80  |
| B00105790251 | M4       | 0,7       | 63       | 7        | 2,8      | 2,1              | 1.363,80  |
| B00105790252 | M5       | 0,8       | 70       | 8        | 3,5      | 2,7              | 1.383,83  |
| B00105790253 | M6       | 1         | 80       | 10       | 4,5      | 3,4              | 1.383,83  |
| B00105790255 | M8       | 1,25      | 90       | 12       | 6,0      | 4,9              | 1.656,84  |
| B00105790257 | M10      | 1,5       | 100      | 14       | 7,0      | 5,5              | 1.907,23  |
| B00105790259 | M12      | 1,75      | 110      | 16       | 9,0      | 7,0              | 2.354,72  |
| B00105790260 | M14      | 2         | 110      | 18       | 11,0     | 9,0              | 3.237,38  |
| B00105790261 | M16      | 2         | 110      | 20       | 12,0     | 9,0              | 3.673,02  |
| B00105790262 | M18      | 2,5       | 125      | 22       | 14,0     | 11,0             | 5.343,62  |
| B00105790263 | M20      | 2,5       | 140      | 22       | 16,0     | 12,0             | 5.499,54  |
| B00105790264 | M22      | 2,5       | 140      | 24       | 18,0     | 14,5             | 7.869,67  |
| B00105790265 | M24      | 3         | 160      | 28       | 18,0     | 14,5             | 7.534,58  |
| B00105790407 | M27      | 3         | 160      | 30       | 20,0     | 16,0             | 9.948,60  |
| B00105790267 | M30      | 3,5       | 180      | 35       | 22,0     | 18,0             | 12.072,43 |
| B00105790402 | M33      | 3,5       | 180      | 35       | 25,0     | 20,0             | 16.284,52 |
| B00105790268 | M36      | 4         | 200      | 44       | 28,0     | 22,0             | 20.031,53 |

Siparişlerinize Termin Verilecektir.



Metrik İnce Vidalı Düz Kanallı Makina Kılavuzu

HSS-E

DIN  
374/C

TS  
82/6

MF



6H



| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | k<br>(h12)<br>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              | 1.930,83  |
| 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              | 2.062,34  |
| B00105750905 | M9       | 1         | 90       | 22       | 7,0      | 5,5              | *         |
| B00105751000 | M10      | 1,25      | 90       | 20       | 7,0      | 5,5              | 2.340,09  |
| B00105751004 | M10      | 0,75      | 90       | 20       | 7,0      | 5,5              | *         |
| B00105751005 | M10      | 1         | 90       | 20       | 7,0      | 5,5              | 2.103,78  |
| B00105751200 | M12      | 1,25      | 100      | 22       | 9,0      | 7,0              | 2.391,08  |
| B00105751204 | M12      | 0,75      | 100      | 22       | 9,0      | 7,0              | *         |
| B00105751205 | M12      | 1         | 100      | 22       | 9,0      | 7,0              | 2.240,28  |
| B00105751206 | M12      | 1,5       | 100      | 22       | 9,0      | 7,0              | 2.240,28  |
| B00105751400 | M14      | 1,25      | 100      | 22       | 11,0     | 9,0              | 2.886,16  |
| B00105751405 | M14      | 1         | 100      | 22       | 11,0     | 9,0              | 2.886,16  |
| B00105751406 | M14      | 1,5       | 100      | 22       | 11,0     | 9,0              | 2.719,92  |
| B00105751605 | M16      | 1         | 100      | 22       | 12,0     | 9,0              | 3.203,64  |
| B00105751606 | M16      | 1,5       | 100      | 22       | 12,0     | 9,0              | 3.025,23  |
| B00105751805 | M18      | 1         | 110      | 25       | 14,0     | 11,0             | 4.133,82  |
| B00105751806 | M18      | 1,5       | 110      | 25       | 14,0     | 11,0             | 3.624,12  |
| B00105751808 | M18      | 2         | 125      | 34       | 14,0     | 11,0             | 4.087,38  |
| B00105752005 | M20      | 1         | 125      | 25       | 16,0     | 12,0             | 4.791,03  |
| B00105752006 | M20      | 1,5       | 125      | 25       | 16,0     | 12,0             | 4.603,39  |
| B00105752008 | M20      | 2         | 140      | 34       | 16,0     | 12,0             | 6.202,68  |
| B00105752205 | M22      | 1         | 125      | 25       | 18,0     | 14,5             | 7.012,79  |
| B00105752206 | M22      | 1,5       | 125      | 25       | 18,0     | 14,5             | 5.022,40  |
| B00105752208 | M22      | 2         | 140      | 34       | 18,0     | 14,5             | 6.943,32  |
| B00105752405 | M24      | 1         | 140      | 28       | 18,0     | 14,5             | 7.498,67  |
| B00105752406 | M24      | 1,5       | 140      | 28       | 18,0     | 14,5             | 5.415,85  |
| B00105752408 | M24      | 2         | 140      | 28       | 18,0     | 14,5             | 6.411,00  |
| B00105752605 | M26      | 1         | 140      | 28       | 18,0     | 14,5             | 7.221,18  |
| B00105752606 | M26      | 1,5       | 140      | 28       | 18,0     | 14,5             | 7.082,38  |
| B00105752608 | M26      | 2         | 140      | 28       | 18,0     | 14,5             | 7.790,42  |
| B00105752706 | M27      | 1,5       | 140      | 28       | 20,0     | 16,0             | 8.609,80  |
| B00105752708 | M27      | 2         | 140      | 28       | 20,0     | 16,0             | 8.864,72  |
| B00105752806 | M28      | 1,5       | 140      | 28       | 20,0     | 16,0             | 8.771,55  |
| B00105752808 | M28      | 2         | 140      | 28       | 20,0     | 16,0             | 9.210,74  |
| B00105753006 | M30      | 1,5       | 150      | 28       | 22,0     | 18,0             | 9.142,32  |
| B00105753008 | M30      | 2         | 150      | 28       | 22,0     | 18,0             | 10.114,25 |
| B00105753206 | M32      | 1,5       | 150      | 28       | 22,0     | 18,0             | 10.993,61 |
| B00105753208 | M32      | 2         | 150      | 28       | 22,0     | 18,0             | 12.058,78 |
| B00105753306 | M33      | 1,5       | 160      | 30       | 25,0     | 20,0             | 12.637,16 |
| B00105753308 | M33      | 2         | 160      | 30       | 25,0     | 20,0             | 14.280,39 |
| B00105753606 | M36      | 1,5       | 170      | 30       | 28,0     | 22,0             | 14.673,65 |
| B00105753608 | M36      | 2         | 170      | 30       | 28,0     | 22,0             | 15.529,96 |

Siparişlerinize Termin Verilecektir.

Devamı sayfa 89'dedir

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.



Metrik İnce Vidalı Düz Kanallı Makina Kılavuzu



| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | k<br>(h12)<br>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               | *       |



MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

Metrik İnce Vidalı Eğik Ağız Bilemeli Makina Kılavuzu

HSS-E

DIN  
374/B

TS  
82/6

MF



6H



| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | k<br>(h12)<br>mm | TL/Adet   |
|--------------|----------|-----------|----------|----------|----------|------------------|-----------|
| B00105740603 | M6       | 0,5       | 80       | 14       | 4,5      | 3,4              | 2.027,83  |
| B00105740604 | M6       | 0,75      | 80       | 14       | 4,5      | 3,4              | 2.089,40  |
| B00105740804 | M8       | 0,75      | 90       | 22       | 6,0      | 4,9              | 2.310,06  |
| B00105740805 | M8       | 1         | 90       | 22       | 6,0      | 4,9              | 2.225,76  |
| B00105741005 | M10      | 1         | 90       | 20       | 7,0      | 5,5              | 2.273,10  |
| B00105741000 | M10      | 1,25      | 100      | 20       | 7,0      | 5,5              | 2.528,36  |
| B00105741205 | M12      | 1         | 100      | 22       | 9,0      | 7,0              | 2.419,37  |
| B00105741200 | M12      | 1,25      | 100      | 22       | 9,0      | 7,0              | 2.582,69  |
| B00105741206 | M12      | 1,5       | 100      | 22       | 9,0      | 7,0              | 2.419,37  |
| B00105741405 | M14      | 1         | 100      | 22       | 11,0     | 9,0              | 3.119,38  |
| B00105741400 | M14      | 1,25      | 100      | 22       | 11,0     | 9,0              | 3.119,38  |
| B00105741406 | M14      | 1,5       | 100      | 22       | 11,0     | 9,0              | 2.937,41  |
| B00105741605 | M16      | 1         | 100      | 22       | 12,0     | 9,0              | 3.460,40  |
| B00105741606 | M16      | 1,5       | 100      | 22       | 12,0     | 9,0              | 3.267,32  |
| B00105741805 | M18      | 1         | 110      | 25       | 14,0     | 11,0             | 4.469,26  |
| B00105741806 | M18      | 1,5       | 110      | 25       | 14,0     | 11,0             | 3.917,49  |
| B00105742005 | M20      | 1         | 125      | 25       | 16,0     | 12,0             | 5.183,70  |
| B00105742006 | M20      | 1,5       | 125      | 25       | 16,0     | 12,0             | 4.979,12  |
| B00105742206 | M22      | 1,5       | 125      | 25       | 18,0     | 14,5             | 5.433,88  |
| B00105742406 | M24      | 1,5       | 140      | 28       | 18,0     | 14,5             | 5.842,76  |
| B00105742706 | M27      | 1,5       | 140      | 28       | 20,0     | 16,0             | 8.457,86  |
| B00105742806 | M28      | 1,5       | 140      | 28       | 20,0     | 16,0             | 9.480,38  |
| B00105743206 | M32      | 1,5       | 150      | 28       | 22,0     | 18,0             | 11.867,90 |

Siparişlerinize Termin Verilecektir.



Metrik İnce Vidalı Helis Kanallı Makina Kılavuzu



| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | k<br>(h12)<br>mm | TL/Adet   |
|--------------|----------|-----------|----------|----------|----------|------------------|-----------|
| B00105790565 | M6       | 0,75      | 80       | 8        | 4,5      | 3,4              | 2.319,33  |
| B00105790682 | M8       | 0,75      | 80       | 10       | 6,0      | 4,9              | 2.703,73  |
| B00105790490 | M8       | 1         | 90       | 10       | 6,0      | 4,9              | 2.467,03  |
| B00105790764 | M9       | 1         | 90       | 10       | 7,0      | 5,5              | *         |
| B00105790336 | M10      | 1         | 90       | 12       | 7,0      | 5,5              | 2.525,52  |
| B00105790390 | M10      | 1,25      | 100      | 12       | 7,0      | 5,5              | 2.805,31  |
| B00105790391 | M12      | 1         | 100      | 14       | 9,0      | 7,0              | 2.687,45  |
| B00105790392 | M12      | 1,25      | 100      | 14       | 9,0      | 7,0              | 2.867,85  |
| B00105790006 | M12      | 1,5       | 100      | 14       | 9,0      | 7,0              | 2.687,45  |
| B00105790393 | M14      | 1         | 100      | 16       | 11,0     | 9,0              | 3.469,56  |
| B00105790394 | M14      | 1,25      | 100      | 16       | 11,0     | 9,0              | 3.469,56  |
| B00105790292 | M14      | 1,5       | 100      | 16       | 11,0     | 9,0              | 3.263,38  |
| 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              | 3.631,67  |
| B00105790676 | M18      | 1         | 110      | 20       | 14,0     | 11,0             | *         |
| B00105790287 | M18      | 1,5       | 110      | 20       | 14,0     | 11,0             | 4.351,42  |
| B00105790612 | M18      | 2         | 125      | 20       | 14,0     | 11,0             | 4.929,89  |
| B00105790591 | M20      | 1         | 125      | 22       | 16,0     | 12,0             | *         |
| B00105790340 | M20      | 1,5       | 125      | 22       | 16,0     | 12,0             | 5.532,22  |
| 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             | 6.017,84  |
| B00105790658 | M22      | 2         | 140      | 25       | 18,0     | 14,5             | *         |
| B00105790551 | M24      | 1,5       | 140      | 25       | 18,0     | 14,5             | 6.503,62  |
| B00105790441 | M24      | 2         | 140      | 25       | 18,0     | 14,5             | 7.683,39  |
| 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             | 10.970,55 |
| 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.



MAKINA TAKIM ENDÜSTRİSİ A.Ş.

USA Normal Vidalı Düz Kanallı Makina Kılavuzu - UNC



| Ürün kodu    | d1<br>UNC | P<br>adım<br>G/Inch | L1<br>mm | L2<br>mm | d2<br>mm | k<br>(h12)<br>mm | TL/Adet   |
|--------------|-----------|---------------------|----------|----------|----------|------------------|-----------|
| B00105950635 | 1/4"      | 20                  | 80       | 19       | 4,5      | 3,4              | 1.808,35  |
| B00105950794 | 5/16"     | 18                  | 90       | 22       | 6,0      | 4,9              | 2.057,88  |
| B00105950952 | 3/8"      | 16                  | 100      | 24       | 7,0      | 5,5              | 2.374,69  |
| B00105951111 | 7/16"     | 14                  | 100      | 24       | 8,0      | 6,2              | 2.755,50  |
| B00105951270 | 1/2"      | 13                  | 110      | 29       | 9,0      | 7,0              | 2.984,09  |
| B00105951429 | 9/16"     | 12                  | 110      | 30       | 11,0     | 9,0              | 4.038,44  |
| B00105951587 | 5/8"      | 11                  | 110      | 32       | 12,0     | 9,0              | 4.602,89  |
| B00105951905 | 3/4"      | 10                  | 125      | 34       | 14,0     | 11,0             | 6.835,46  |
| B00105952222 | 7/8"      | 9                   | 140      | 34       | 18,0     | 14,5             | 8.825,24  |
| B00105952540 | 1"        | 8                   | 160      | 38       | 20       | 16               | 11.558,82 |

Siparişlerinize Termin Verilecektir.



USA Normal Vidalı Helis Kanallı Makina Kılavuzu - UNC



| Ürün kodu    | d1<br>UNC | P<br>adım<br>G/Inch | L1<br>mm | L2<br>mm | d2<br>mm | k<br>(h12)<br>mm | TL/Adet   |
|--------------|-----------|---------------------|----------|----------|----------|------------------|-----------|
| B00105990037 | 1/4"      | 20                  | 80       | 12       | 4,5      | 3,4              | 2.172,34  |
| B00105990009 | 5/16"     | 18                  | 90       | 14       | 6,0      | 4,9              | 2.472,92  |
| B00105990008 | 3/8"      | 16                  | 100      | 16       | 7,0      | 5,5              | 2.848,41  |
| B00105990003 | 7/16"     | 14                  | 100      | 16       | 8,0      | 6,2              | 3.307,99  |
| B00105990006 | 1/2"      | 13                  | 110      | 20       | 9,0      | 7,0              | 3.576,18  |
| B00105990021 | 9/16"     | 12                  | 110      | 22       | 11,0     | 9,0              | 4.852,25  |
| B00105990022 | 5/8"      | 11                  | 110      | 22       | 12,0     | 9,0              | 5.529,23  |
| B00105990031 | 3/4"      | 10                  | 125      | 28       | 14,0     | 11,0             | 8.211,68  |
| B00105990065 | 7/8"      | 9                   | 140      | 28       | 18,0     | 14,5             | 12.989,84 |
| B00105990066 | 1"        | 8                   | 160      | 32       | 20       | 16               | 13.871,44 |

Siparişlerinize Termin Verilecektir.

USA İnce Vidalı Düz Kanallı Makina Kılavuzu - UNF



| Ürün kodu    | d1<br>UNF | P<br>adım<br>G/Inch | L1<br>mm | L2<br>mm | d2<br>mm | k<br>(h12)<br>mm | TL/Adet   |
|--------------|-----------|---------------------|----------|----------|----------|------------------|-----------|
| B00105980635 | 1/4"      | 28                  | 80       | 19       | 4,5      | 3,4              | 2.067,27  |
| B00105980794 | 5/16"     | 24                  | 90       | 22       | 6,0      | 4,9              | 2.351,58  |
| B00105980952 | 3/8"      | 24                  | 100      | 24       | 7,0      | 5,5              | 2.706,25  |
| B00105981111 | 7/16"     | 20                  | 100      | 24       | 8,0      | 6,2              | 3.151,69  |
| B00105981270 | 1/2"      | 20                  | 110      | 29       | 9,0      | 7,0              | 3.408,65  |
| B00105981429 | 9/16"     | 18                  | 110      | 30       | 11,0     | 9,0              | 4.992,45  |
| B00105981587 | 5/8"      | 18                  | 110      | 32       | 12,0     | 9,0              | 5.668,87  |
| B00105981905 | 3/4"      | 16                  | 125      | 34       | 14,0     | 11,0             | 8.398,48  |
| B00105982222 | 7/8"      | 14                  | 140      | 34       | 18,0     | 14,5             | 10.847,69 |
| B00105982540 | 1"        | 12                  | 160      | 38       | 20       | 16               | 14.230,20 |

Siparişlerinize Termin Verilecektir.



MAKINA TAKIM ENDÜSTRİSİ A.Ş.

### USA İnce Vidalı Helis Kanallı Makina Kılavuzu - UNF



| Ürün kodu    | d1<br>UNF | P<br>adım<br>G/Inch | L1<br>mm | L2<br>mm | d2<br>mm | k<br>(h12)<br>mm | TL/Adet   |
|--------------|-----------|---------------------|----------|----------|----------|------------------|-----------|
| B00105990014 | 1/4"      | 28                  | 80       | 12       | 4,5      | 3,4              | 2.477,62  |
| B00105990038 | 5/16"     | 24                  | 90       | 14       | 6,0      | 4,9              | 2.824,98  |
| B00105990015 | 3/8"      | 24                  | 100      | 16       | 7,0      | 5,5              | 3.249,78  |
| B00105990023 | 7/16"     | 20                  | 100      | 16       | 8,0      | 6,2              | 3.779,31  |
| B00105990024 | 1/2"      | 20                  | 110      | 20       | 9,0      | 7,0              | 4.089,40  |
| B00105990025 | 9/16"     | 18                  | 110      | 22       | 11,0     | 9,0              | 5.972,09  |
| B00105990026 | 5/8"      | 18                  | 110      | 22       | 12,0     | 9,0              | 6.811,80  |
| B00105990032 | 3/4"      | 16                  | 125      | 22       | 14,0     | 11,0             | 10.077,83 |
| B00105990051 | 7/8"      | 14                  | 140      | 28       | 18,0     | 14,5             | 12.989,84 |
| B00105990078 | 1"        | 12                  | 160      | 32       | 20       | 16               | 17.076,63 |

Siparişlerinize Termin Verilecektir.

### Whitworth Vidalı Düz Kanallı Makina Kılavuzu



| Ürün kodu    | d1<br>BSW | P<br>adım<br>G/Inch | L1<br>mm | L2<br>mm | d2<br>mm | k<br>(h12)<br>mm | TL/Adet   |
|--------------|-----------|---------------------|----------|----------|----------|------------------|-----------|
| B00105920317 | W 1/8"    | 40                  | 56       | 11       | 2,2      |                  | 1.908,34  |
| B00105920397 | W 5/32"   | 32                  | 63       | 13       | 2,8      | 2.1              | 1.908,34  |
| B00105920476 | W 3/16"   | 24                  | 70       | 16       | 3,5      | 2.7              | 2.120,64  |
| B00105920556 | W 7/32"   | 24                  | 70       | 16       | 3,5      | 2.7              | 2.120,64  |
| B00105920635 | W 1/4"    | 20                  | 80       | 19       | 4,5      | 3.4              | 1.917,48  |
| B00105920794 | W 5/16"   | 18                  | 90       | 22       | 6        | 4.9              | 2.182,00  |
| B00105920952 | W 3/8"    | 16                  | 100      | 24       | 7        | 5.5              | 2.519,75  |
| B00105921111 | W 7/16"   | 14                  | 100      | 24       | 8        | 6.2              | 2.921,05  |
| B00105921270 | W 1/2"    | 12                  | 110      | 29       | 9        | 7                | 3.163,35  |
| B00105921429 | W 9/16"   | 12                  | 110      | 30       | 11       | 9                | 4.278,51  |
| B00105921587 | W 5/8"    | 11                  | 110      | 32       | 12       | 9                | 4.876,05  |
| B00105921905 | W 3/4"    | 10                  | 125      | 34       | 14       | 11               | 7.255,10  |
| B00105922222 | W 7/8"    | 9                   | 140      | 34       | 18       | 14.5             | 9.355,10  |
| B00105922540 | W 1"      | 8                   | 160      | 38       | 20       | 16               | 12.270,90 |

Siparişlerinize Termin Verilecektir.



### Whitworth Boru Vidalı Düz Kanallı Makina Kılavuzu



| Ürün kodu    | d1<br>BSP | P<br>adım<br>G/Inch | L1<br>mm | L2<br>mm | d2<br>mm | k<br>(h12)<br>mm | TL/Adet          |
|--------------|-----------|---------------------|----------|----------|----------|------------------|------------------|
| B00109580973 | G 1/8"    | 28                  | 90       | 20       | 7,0      | 5,5              | <b>2.057,88</b>  |
| B00109581316 | G 1/4"    | 19                  | 100      | 22       | 11,0     | 9,0              | <b>2.620,04</b>  |
| B00109581666 | G 3/8"    | 19                  | 100      | 22       | 12,0     | 9,0              | <b>3.317,31</b>  |
| B00109582095 | G 1/2"    | 14                  | 125      | 25       | 16,0     | 12,0             | <b>4.898,88</b>  |
| B00109582644 | G 3/4"    | 14                  | 140      | 28       | 20,0     | 16,0             | <b>7.512,20</b>  |
| B00109583325 | G 1"      | 11                  | 160      | 30       | 25,0     | 20,0             | <b>11.524,58</b> |

### Whitworth Boru Vidalı Eğik Ağız Bilemeli Makina Kılavuzu



| Ürün kodu    | d1<br>BSP | P<br>adım<br>G/Inch | L1<br>mm | L2<br>mm | d2<br>mm | k<br>(h12)<br>mm | TL/Adet         |
|--------------|-----------|---------------------|----------|----------|----------|------------------|-----------------|
| B00109570973 | G 1/8"    | 28                  | 90       | 20       | 7,0      | 5,5              | <b>2.269,86</b> |
| B00109571316 | G 1/4"    | 19                  | 100      | 22       | 11,0     | 9,0              | <b>2.883,63</b> |
| B00109571666 | G 3/8"    | 19                  | 100      | 22       | 12,0     | 9,0              | <b>3.646,75</b> |
| B00109572095 | G 1/2"    | 14                  | 125      | 25       | 16,0     | 12,0             | <b>5.389,01</b> |
| B00109572644 | G 3/4"    | 14                  | 140      | 28       | 20,0     | 16,0             | <b>8.258,52</b> |

Siparişlerinize Termin Verilecektir.



MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

### Whitworth Boru Vidalı Helis Kanallı Makina Kılavuzu



| Ürün kodu    | d1<br>BSP | P<br>adım<br>G/Inch | L1<br>mm | L2<br>mm | d2<br>mm | k<br>(h12)<br>mm | TL/Adet          |
|--------------|-----------|---------------------|----------|----------|----------|------------------|------------------|
| B00109420074 | G 1/8"    | 28                  | 90       | 12       | 7,0      | 5,5              | <b>2.475,29</b>  |
| B00109420053 | G 1/4"    | 19                  | 100      | 16       | 11,0     | 9,0              | <b>3.142,61</b>  |
| B00109420054 | G 3/8"    | 19                  | 100      | 18       | 12,0     | 9,0              | <b>3.979,59</b>  |
| B00109420061 | G 1/2"    | 14                  | 125      | 22       | 16,0     | 12,0             | <b>5.879,23</b>  |
| B00109420055 | G 3/4"    | 14                  | 140      | 23       | 20,0     | 16,0             | <b>9.028,34</b>  |
| B00109420058 | G 1"      | 11                  | 160      | 28       | 25,0     | 20,0             | <b>13.810,54</b> |

■ Siparişlerinize Termin Verilecektir.



## 1/16 - NPT Konik Boru Kılavuzu



| Ürün kodu    | d1<br>NPT     | P<br>adım<br>G/Inch | L1<br>mm | L2<br>mm | d2<br>mm | k<br>(h12)<br>mm | TL/Adet  |
|--------------|---------------|---------------------|----------|----------|----------|------------------|----------|
| B00104400794 | 1/16"         | 27                  | 54       | 18       | 6        | 4,9              | *        |
| B00104401029 | 1/8"          | 27                  | 54       | 19       | 7        | 5,5              | 3.521,78 |
| B00104401372 | 1/4"          | 18                  | 62       | 27       | 11       | 9,0              | 4.514,11 |
| B00104401714 | 3/8"          | 18                  | 65       | 27       | 12       | 9,0              | 5.292,66 |
| B00104402134 | 1/2"          | 14                  | 80       | 35       | 16       | 12,0             | 7.606,71 |
| B00104402667 | 3/4"          | 14                  | 83       | 35       | 20       | 16,0             | 9.967,09 |
| 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.

■ Siparişlerinize Termin Verilecektir.



Yeni Nesil Somun Kılavuzu Metrik Normal Vidalı



| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | k<br>(h12)<br>mm | TL/Adet  |
|--------------|----------|-----------|----------|----------|----------|------------------|----------|
| B10106600300 | M 3      | 0.5       | 60       | 13       | 2.2      | -                | 1.219,55 |
| B10106600400 | M 4      | 0.7       | 73       | 18       | 2.8      | 2.1              | 1.219,55 |
| B10106600500 | M 5      | 0.8       | 80       | 21       | 3.5      | 2.7              | 1.219,55 |
| B10106600600 | M 6      | 1         | 85       | 26       | 4.5      | 3.4              | 1.255,33 |
| B10106600800 | M 8      | 1.25      | 95       | 32       | 6        | 4.9              | 1.471,46 |
| B10106601000 | M 10     | 1.5       | 110      | 39       | 8        | 5.5              | 1.859,13 |
| B10106601200 | M 12     | 1.75      | 120      | 46       | 9        | 7                | 2.542,02 |
| B10106601400 | M 14     | 2         | 135      | 52       | 11       | 9                | 3.669,75 |
| B10106601600 | M 16     | 2         | 145      | 52       | 12       | 9                | 3.940,56 |
| B10106601800 | M 18     | 2.5       | 155      | 65       | 14       | 11               | 5.509,32 |
| B10106602000 | M 20     | 2.5       | 155      | 65       | 16       | 12               | 5.964,46 |
| B10106602200 | M 22     | 2.5       | 165      | 65       | 18       | 14.5             | 7.138,03 |
| B10106602400 | M 24     | 3         | 185      | 78       | 18       | 14.5             | 8.482,77 |



MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

### Yeni Nesil Somun Kılavuzu Metrik İnce Vidalı



| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | k<br>(h12)<br>mm | TL/Adet  |
|--------------|----------|-----------|----------|----------|----------|------------------|----------|
| B10106610805 | M 8      | 1         | 95       | 26       | 6        | 4.9              | 1.680,38 |
| B10106611005 | M 10     | 1         | 110      | 26       | 8        | 6.2              | 2.122,51 |
| B10106611000 | M 10     | 1.25      | 110      | 32.5     | 8        | 6.2              | 2.361,93 |
| B10106611205 | M 12     | 1         | 120      | 26       | 9        | 7                | 3.286,27 |
| B10106611200 | M 12     | 1.25      | 120      | 32.5     | 9        | 7                | 3.286,27 |
| B10106611206 | M 12     | 1.5       | 120      | 39       | 9        | 7                | 3.037,46 |
| B10106611405 | M 14     | 1         | 135      | 26       | 11       | 9                | 4.028,43 |
| B10106611406 | M 14     | 1.5       | 135      | 39       | 11       | 9                | 3.695,69 |
| B10106611605 | M 16     | 1         | 145      | 26       | 12       | 9                | 4.514,48 |
| B10106611606 | M 16     | 1.5       | 145      | 39       | 12       | 9                | 4.142,09 |
| B10106611806 | M 18     | 1.5       | 155      | 39       | 14       | 11               | 5.054,63 |
| B10106611808 | M 18     | 2         | 155      | 52       | 14       | 11               | 5.509,42 |
| B10106612006 | M 20     | 1.5       | 155      | 39       | 16       | 12               | 5.629,31 |
| B10106612008 | M 20     | 2         | 155      | 52       | 16       | 12               | 6.135,78 |
| B10106612206 | M 22     | 1.5       | 165      | 39       | 18       | 14.5             | 6.874,93 |
| B10106612208 | M 22     | 2         | 165      | 52       | 18       | 14.5             | 7.493,87 |
| B10106612406 | M 24     | 1.5       | 185      | 39       | 18       | 14.5             | 7.545,40 |
| B10106612408 | M 24     | 2         | 185      | 52       | 18       | 14.5             | 8.217,13 |

Siparişlerinize Termin Verilecektir.



MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

### Yeni Nesil Somun Kılavuzu UNC

HSS-E

MTE

UNC



TIN



| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | k<br>(h12)<br>mm | TL/Adet |
|--------------|----------|-----------|----------|----------|----------|------------------|---------|
| B10106640317 | Nr: 5    | 40        | 70       | 16       | 2.2      | -                | *       |
| B10106640350 | Nr: 6    | 32        | 75       | 20       | 2.5      | 2.1              | *       |
| B10106640417 | Nr: 8    | 32        | 75       | 20       | 2.8      | 2.1              | *       |
| B10106640438 | Nr: 10   | 24        | 85       | 27       | 3.5      | 2.7              | *       |
| B10106640549 | Nr: 12   | 24        | 85       | 27       | 3.5      | 2.7              | *       |
| B10106640635 | 1/4"     | 20        | 90       | 32       | 4.5      | 3.4              | *       |
| B10106640794 | 5/16"    | 18        | 95       | 36       | 6        | 4.9              | *       |
| B10106640952 | 3/8"     | 16        | 105      | 40       | 7        | 5.5              | *       |
| B10106641111 | 7/16"    | 14        | 120      | 46       | 9        | 7                | *       |
| B10106641270 | 1/2"     | 13        | 120      | 50       | 9        | 7                | *       |
| B10106641429 | 9/16"    | 12        | 135      | 54       | 11       | 9                | *       |
| B10106641587 | 5/8"     | 11        | 145      | 59       | 12       | 9                | *       |
| B10106641905 | 3/4"     | 10        | 155      | 65       | 14       | 11               | *       |
| B10106642222 | 7/8"     | 9         | 155      | 72       | 18       | 14.5             | *       |
| B10106642540 | 1"       | 8         | 185      | 80       | 20       | 16               | *       |

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.



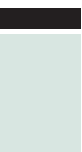
MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

## Yeni Nesil Somun Kılavuzu UNF



| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | k<br>(h12)<br>mm | TL/Adet |
|--------------|----------|-----------|----------|----------|----------|------------------|---------|
| B10106650317 | Nr: 5    | 44        | 70       | 15       | 2.2      | -                | *       |
| B10106650350 | Nr: 6    | 40        | 75       | 16       | 2.5      | 2.1              | *       |
| B10106650417 | Nr: 8    | 36        | 75       | 18       | 2.8      | 2.1              | *       |
| B10106650438 | Nr: 10   | 32        | 85       | 20       | 3.5      | 2.7              | *       |
| B10106650549 | Nr: 12   | 28        | 85       | 23       | 3.5      | 2.7              | *       |
| B10106650635 | 1/4"     | 28        | 85       | 23       | 4.5      | 3.4              | *       |
| B10106650794 | 5/16"    | 24        | 95       | 27       | 6        | 4.9              | *       |
| B10106650952 | 3/8"     | 24        | 105      | 27       | 7        | 5.5              | *       |
| B10106651111 | 7/16"    | 20        | 120      | 32       | 9        | 7                | *       |
| B10106651270 | 1/2"     | 20        | 120      | 32       | 9        | 7                | *       |
| B10106651429 | 9/16"    | 18        | 135      | 36       | 11       | 9                | *       |
| B10106651587 | 5/8"     | 18        | 145      | 36       | 12       | 9                | *       |
| B10106651905 | 3/4"     | 16        | 155      | 40       | 14       | 11               | *       |
| B10106652222 | 7/8"     | 14        | 155      | 46       | 18       | 14.5             | *       |
| B10106652540 | 1"       | 12        | 185      | 54       | 20       | 16               | *       |

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.

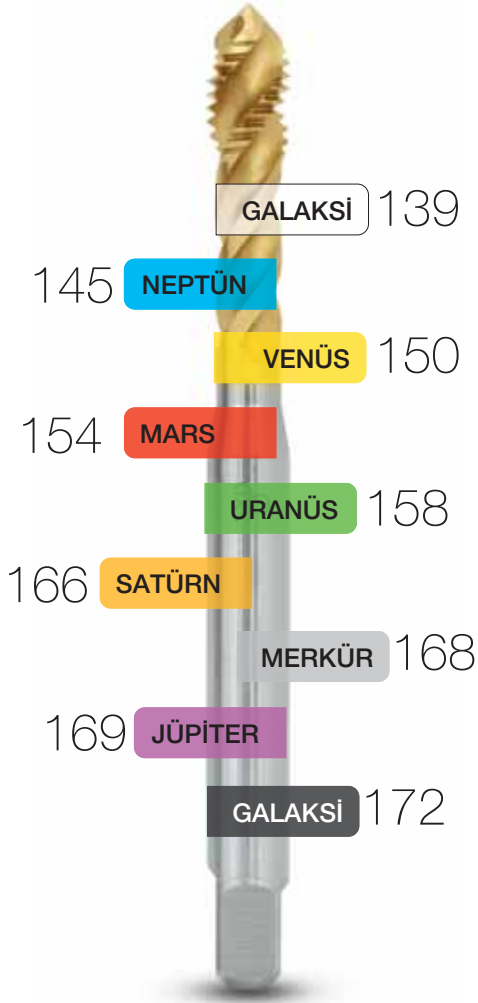


YÜK. PERFORMANSLI  
KILAVUZLARI

YÜKSEK PERFORMANS KILAVUZLARI



MAKİNA TAKİM ENDÜSTRİSİ A.Ş.





MAKİNA TAKIM ENDÜSTRİSİ A.Ş.

**GALAKSİ** ÜNİVERSAL - Eğik Ağız Bilemeli  
M



**DIN-371**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | TL/Adet  |          |
|--------------|----------|-----------|----------|----------|----------|------------------|----------|----------|
|              |          |           |          |          |          |                  | TIN      | STAR     |
| B**800000300 | M 3      | 0.5       | 56       | 10       | 3.5      | 2.7              | 1.280,02 | 1.339,28 |
| B**800000400 | M 4      | 0.7       | 63       | 12       | 4.5      | 3.4              | 1.333,31 | 1.399,93 |
| B**800000500 | M 5      | 0.8       | 70       | 14       | 6        | 4.9              | 1.360,82 | 1.439,01 |
| B**800000600 | M 6      | 1         | 80       | 16       | 6        | 4.9              | 1.527,82 | 1.641,42 |
| B**800000800 | M 8      | 1.25      | 90       | 18       | 8        | 6.2              | 1.738,57 | 1.873,81 |
| B**800001000 | M10      | 1.5       | 100      | 20       | 10       | 8                | 2.082,52 | 2.257,15 |
| B**800001200 | M12      | 1.75      | 110      | 24       | 12       | 9                | 2.486,79 | 2.683,18 |

**DIN-376**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | TL/Adet  |          |
|--------------|----------|-----------|----------|----------|----------|------------------|----------|----------|
|              |          |           |          |          |          |                  | TIN      | STAR     |
| B**800021200 | M12      | 1.75      | 110      | 24       | 9        | 7                | 2.673,12 | 2.869,27 |
| B**800021400 | M14      | 2         | 110      | 26       | 11       | 9                | 3.682,88 | 3.957,21 |
| B**800021600 | M16      | 2         | 110      | 28       | 12       | 9                | 4.121,54 | 4.409,38 |
| B**800021800 | M18      | 2.5       | 125      | 30       | 14       | 11               | 5.828,92 | 6.162,13 |
| B**800022000 | M20      | 2.5       | 140      | 32       | 16       | 12               | 6.225,48 | 6.676,59 |

B\*\*

TIN

B10

STAR

B13

YÜK. PERFORMANSLI  
KILAVUZLARI



MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

**GALAKSİ ÜNİVERSAL - 40° Helis Kanallı**

**M**



**DIN-371**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | TL/Adet  |          |
|--------------|----------|-----------|----------|----------|----------|------------------|----------|----------|
|              |          |           |          |          |          |                  | TIN      | STAR     |
| B**800010300 | M 3      | 0.5       | 56       | 6        | 3.5      | 2.7              | 1.387,51 | 1.446,51 |
| B**800010400 | M 4      | 0.7       | 63       | 7        | 4.5      | 3.4              | 1.442,03 | 1.508,18 |
| B**800010500 | M 5      | 0.8       | 70       | 8        | 6        | 4.9              | 1.469,06 | 1.547,37 |
| B**800010600 | M 6      | 1         | 80       | 10       | 6        | 4.9              | 1.648,65 | 1.762,10 |
| B**800010800 | M 8      | 1.25      | 90       | 12       | 8        | 6.2              | 1.872,62 | 2.008,48 |
| B**800011000 | M10      | 1.5       | 100      | 14       | 10       | 8                | 2.238,91 | 2.413,30 |
| B**800011200 | M12      | 1.75      | 110      | 16       | 12       | 9                | 2.675,23 | 2.871,48 |

**DIN-376**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | TL/Adet  |          |
|--------------|----------|-----------|----------|----------|----------|------------------|----------|----------|
|              |          |           |          |          |          |                  | TIN      | STAR     |
| B**800031200 | M12      | 1.75      | 110      | 16       | 9        | 7                | 2.875,70 | 3.071,57 |
| B**800031400 | M14      | 2         | 110      | 18       | 11       | 9                | 3.965,00 | 4.239,75 |
| B**800031600 | M16      | 2         | 110      | 20       | 12       | 9                | 4.444,15 | 4.732,88 |
| B**800031800 | M18      | 2.5       | 125      | 22       | 14       | 11               | 6.300,37 | 6.633,60 |
| B**800032000 | M20      | 2.5       | 140      | 22       | 16       | 12               | 6.696,99 | 7.148,35 |

**B\*\***

**TIN**

B10

**STAR**

B13



MAKİNA TAKIM ENDÜSTRİSİ A.Ş.

**GALAKSİ** ÜNİVERSAL - Eğik Ağız Bilemeli  
MF



**DIN-374**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | TL/Adet  |          |
|--------------|----------|-----------|----------|----------|----------|------------------|----------|----------|
|              |          |           |          |          |          |                  | TIN      | STAR     |
| B**820040604 | M 6      | 0.75      | 80       | 14       | 3.4      | 5.2              | 2.784,81 | 2.898,44 |
| B**820040804 | M 8      | 0.75      | 90       | 22       | 4.9      | 7.2              | 3.095,40 | 3.230,83 |
| B**820040805 | M 8      | 1         | 90       | 22       | 4.9      | 7                | 2.992,60 | 3.127,67 |
| B**820041005 | M10      | 1         | 90       | 22       | 5.5      | 9                | 3.131,51 | 3.306,13 |
| B**820041000 | M10      | 1.25      | 90       | 22       | 5.5      | 8.8              | 3.443,18 | 3.617,75 |
| B**820041205 | M12      | 1         | 100      | 22       | 7        | 11               | 3.352,97 | 3.549,37 |
| B**820041200 | M12      | 1.25      | 100      | 22       | 7        | 10.8             | 3.553,11 | 3.748,87 |
| B**820041206 | M12      | 1.5       | 100      | 22       | 7        | 10.5             | 3.352,97 | 3.549,37 |
| B**820041406 | M14      | 1.5       | 100      | 22       | 9        | 12.5             | 4.145,75 | 4.420,55 |
| B**820041606 | M16      | 1.5       | 100      | 22       | 9        | 14.5             | 4.568,34 | 4.856,92 |
| B**820041806 | M18      | 1.5       | 110      | 25       | 11       | 16.5             | 5.459,64 | 5.793,26 |
| B**820042006 | M20      | 1.5       | 125      | 25       | 12       | 18.5             | 6.989,11 | 7.440,36 |

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MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

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



**DIN-374**

TL/Adet

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | TIN      | STAR     |
|--------------|----------|-----------|----------|----------|----------|------------------|----------|----------|
| B**820050604 | M 6      | 0.75      | 80       | 8        | 4.5      | 3.4              | 3.016,11 | 3.129,41 |
| B**820050804 | M 8      | 0.75      | 90       | 10       | 6        | 4.9              | 3.518,45 | 3.653,86 |
| B**820050805 | M 8      | 1         | 90       | 10       | 6        | 4.9              | 3.234,79 | 3.370,11 |
| B**820051005 | M10      | 1         | 90       | 12       | 7        | 5.5              | 3.384,34 | 3.559,44 |
| B**820051000 | M10      | 1.25      | 90       | 12       | 7        | 5.5              | 3.721,04 | 3.895,70 |
| B**820051205 | M12      | 1         | 100      | 14       | 9        | 7                | 3.622,46 | 3.775,33 |
| B**820051200 | M12      | 1.25      | 100      | 14       | 9        | 7                | 3.839,02 | 4.035,60 |
| B**820051206 | M12      | 1.5       | 100      | 14       | 9        | 7                | 3.622,46 | 3.818,70 |
| B**820051406 | M14      | 1.5       | 100      | 16       | 11       | 9                | 4.473,33 | 4.748,04 |
| B**820051606 | M16      | 1.5       | 100      | 18       | 12       | 9                | 4.935,07 | 5.223,61 |
| B**820051806 | M18      | 1.5       | 110      | 20       | 14       | 11               | 5.896,20 | 6.229,71 |
| B**820052006 | M20      | 1.5       | 125      | 22       | 16       | 12               | 7.545,40 | 7.996,66 |

B\*\*

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MAKİNA TAKIM ENDÜSTRİSİ A.Ş.

**NEPTÜN ÇELİK - Eğik Ağız Bilemeli**

**M**



**DIN-371**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | TL/Adet  |          |
|--------------|----------|-----------|----------|----------|----------|------------------|----------|----------|
|              |          |           |          |          |          |                  | TIN      | STAR     |
| B**801010300 | M 3      | 0.5       | 56       | 10       | 3.5      | 2.7              | 1.338,48 | 1.397,18 |
| B**801010400 | M 4      | 0.7       | 63       | 12       | 4.5      | 3.4              | 1.393,42 | 1.460,59 |
| B**801010500 | M 5      | 0.8       | 70       | 14       | 6        | 4.9              | 1.421,11 | 1.499,50 |
| B**801010600 | M 6      | 1         | 80       | 16       | 6        | 4.9              | 1.592,90 | 1.706,60 |
| B**801010800 | M 8      | 1.25      | 90       | 18       | 8        | 6.2              | 1.811,83 | 1.947,41 |
| B**801011000 | M10      | 1.5       | 100      | 20       | 10       | 8                | 2.168,96 | 2.343,49 |
| B**801011200 | M12      | 1.75      | 110      | 24       | 12       | 9                | 2.590,92 | 2.787,29 |

**DIN-376**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | TL/Adet  |          |
|--------------|----------|-----------|----------|----------|----------|------------------|----------|----------|
|              |          |           |          |          |          |                  | TIN      | STAR     |
| B**801111200 | M12      | 1.75      | 110      | 24       | 9        | 7                | 2.787,09 | 2.983,17 |
| B**801111400 | M14      | 2         | 110      | 26       | 11       | 9                | 3.839,02 | 4.113,85 |
| B**801111600 | M16      | 2         | 110      | 28       | 12       | 9                | 4.298,99 | 4.587,24 |
| B**801111800 | M18      | 2.5       | 125      | 30       | 14       | 11               | 6.087,36 | 6.420,57 |
| B**801112000 | M20      | 2.5       | 140      | 32       | 16       | 12               | 6.491,80 | 6.942,83 |

**B\*\***

**TIN**

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**STAR**

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MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

**NEPTÜN ÇELİK - Eğik Ağız Bilemeli**

**M**



**PM**

**DIN-371**

TL/Adet

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | TIN      | STAR     |
|--------------|----------|-----------|----------|----------|----------|------------------|----------|----------|
| B**821010300 | M 3      | 0.5       | 56       | 10       | 3.5      | 2.7              | 1.521,63 | 1.580,07 |
| B**821010400 | M 4      | 0.7       | 63       | 12       | 4.5      | 3.4              | 1.582,83 | 1.649,19 |
| B**821010500 | M 5      | 0.8       | 70       | 14       | 6        | 4.9              | 1.610,68 | 1.688,50 |
| B**821010600 | M 6      | 1         | 80       | 16       | 6        | 4.9              | 1.797,94 | 1.911,70 |
| B**821010800 | M 8      | 1.25      | 90       | 18       | 8        | 6.2              | 2.043,38 | 2.178,46 |
| B**821011000 | M10      | 1.5       | 100      | 20       | 10       | 8                | 2.441,68 | 2.615,86 |
| B**821011200 | M12      | 1.75      | 110      | 24       | 12       | 9                | 2.920,68 | 3.117,21 |

**DIN-376**

TL/Adet

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | TIN      | STAR     |
|--------------|----------|-----------|----------|----------|----------|------------------|----------|----------|
| B**821111200 | M12      | 1.75      | 110      | 24       | 9        | 7                | 3.145,92 | 3.342,65 |
| B**821111400 | M14      | 2         | 110      | 26       | 11       | 9                | 4.332,37 | 4.606,41 |
| B**821111600 | M16      | 2         | 110      | 28       | 12       | 9                | 4.857,72 | 5.146,05 |
| B**821111800 | M18      | 2.5       | 125      | 30       | 14       | 11               | 6.899,51 | 7.233,02 |
| B**821112000 | M20      | 2.5       | 140      | 32       | 16       | 12               | 7.330,38 | 7.781,53 |

**B\*\***

**TIN**

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MAKİNA TAKIM ENDÜSTRİSİ A.Ş.

**NEPTÜN**

ÇELİK - 45° Helis Kanallı

**M**



**DIN-371**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | TL/Adet  |          |
|--------------|----------|-----------|----------|----------|----------|------------------|----------|----------|
|              |          |           |          |          |          |                  | TIN      | STAR     |
| B**801020300 | M 3      | 0.5       | 56       | 6        | 3.5      | 2.7              | 1.451,05 | 1.509,91 |
| B**801020400 | M 4      | 0.7       | 63       | 7        | 4.5      | 3.4              | 1.506,88 | 1.574,06 |
| B**801020500 | M 5      | 0.8       | 70       | 8        | 6        | 4.9              | 1.534,48 | 1.613,27 |
| B**801020600 | M 6      | 1         | 80       | 10       | 6        | 4.9              | 1.719,14 | 1.832,90 |
| B**801020800 | M 8      | 1.25      | 90       | 12       | 8        | 6.2              | 1.953,02 | 2.088,20 |
| B**801021000 | M10      | 1.5       | 100      | 14       | 10       | 8                | 2.333,38 | 2.507,81 |
| B**801021200 | M12      | 1.75      | 110      | 16       | 12       | 9                | 2.789,39 | 2.985,50 |

**DIN-376**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | TL/Adet  |          |
|--------------|----------|-----------|----------|----------|----------|------------------|----------|----------|
|              |          |           |          |          |          |                  | TIN      | STAR     |
| B**801121200 | M12      | 1.75      | 110      | 16       | 9        | 7                | 2.999,81 | 3.195,94 |
| B**801121400 | M14      | 2         | 110      | 18       | 11       | 9                | 4.135,63 | 4.410,39 |
| B**801121600 | M16      | 2         | 110      | 20       | 12       | 9                | 4.638,20 | 4.926,40 |
| B**801121800 | M18      | 2.5       | 125      | 22       | 14       | 11               | 6.582,31 | 6.915,53 |
| B**801122000 | M20      | 2.5       | 140      | 22       | 16       | 12               | 6.986,41 | 7.437,49 |

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**NEPTÜN** ÇELİK - 45° Helis Kanallı

**M**



**PM**

**DIN-371**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | TL/Adet  |          |
|--------------|----------|-----------|----------|----------|----------|------------------|----------|----------|
|              |          |           |          |          |          |                  | TIN      | STAR     |
| B**821020300 | M 3      | 0.5       | 56       | 6        | 3.5      | 2.7              | 1.651,62 | 1.710,31 |
| B**821020400 | M 4      | 0.7       | 63       | 7        | 4.5      | 3.4              | 1.713,13 | 1.779,90 |
| B**821020500 | M 5      | 0.8       | 70       | 8        | 6        | 4.9              | 1.740,67 | 1.819,30 |
| B**821020600 | M 6      | 1         | 80       | 10       | 6        | 4.9              | 1.942,47 | 2.056,56 |
| B**821020800 | M 8      | 1.25      | 90       | 12       | 8        | 6.2              | 2.205,27 | 2.340,46 |
| B**821021000 | M10      | 1.5       | 100      | 14       | 10       | 8                | 2.630,36 | 2.805,17 |
| B**821021200 | M12      | 1.75      | 110      | 16       | 12       | 9                | 3.148,58 | 3.344,73 |

**DIN-376**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | TL/Adet  |          |
|--------------|----------|-----------|----------|----------|----------|------------------|----------|----------|
|              |          |           |          |          |          |                  | TIN      | STAR     |
| B**821121200 | M12      | 1.75      | 110      | 16       | 9        | 7                | 3.390,39 | 3.586,26 |
| B**821121400 | M14      | 2         | 110      | 18       | 11       | 9                | 4.673,51 | 4.947,70 |
| B**821121600 | M16      | 2         | 110      | 20       | 12       | 9                | 5.247,54 | 5.535,84 |
| B**821121800 | M18      | 2.5       | 125      | 22       | 14       | 11               | 7.468,96 | 7.802,59 |
| B**821122000 | M20      | 2.5       | 140      | 22       | 16       | 12               | 7.899,75 | 8.350,75 |

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**TIN**

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**NEPTÜN** ÇELİK - Düz Kanallı

M



**DIN-371**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | TL/Adet  |          |
|--------------|----------|-----------|----------|----------|----------|------------------|----------|----------|
|              |          |           |          |          |          |                  | TIN      | STAR     |
| B**801000300 | M 3      | 0.5       | 56       | 10       | 3.5      | 2.7              | 1.399,76 | 1.458,64 |
| B**801000400 | M 4      | 0.7       | 63       | 12       | 4.5      | 3.4              | 1.456,67 | 1.523,26 |
| B**801000500 | M 5      | 0.8       | 70       | 14       | 6        | 4.9              | 1.484,13 | 1.562,75 |
| B**801000600 | M 6      | 1         | 80       | 16       | 6        | 4.9              | 1.661,06 | 1.775,09 |
| B**801000800 | M 8      | 1.25      | 90       | 18       | 8        | 6.2              | 1.888,87 | 2.023,99 |
| B**801001000 | M10      | 1.5       | 100      | 20       | 10       | 8                | 2.260,07 | 2.434,26 |
| B**801001200 | M12      | 1.75      | 110      | 24       | 12       | 9                | 2.701,54 | 2.897,24 |

**DIN-376**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | TL/Adet  |          |
|--------------|----------|-----------|----------|----------|----------|------------------|----------|----------|
|              |          |           |          |          |          |                  | TIN      | STAR     |
| B**801101200 | M12      | 1.75      | 110      | 24       | 9        | 7                | 2.906,92 | 3.102,83 |
| B**801101400 | M14      | 2         | 110      | 26       | 11       | 9                | 4.003,45 | 4.278,51 |
| B**801101600 | M16      | 2         | 110      | 28       | 12       | 9                | 4.485,29 | 4.773,26 |
| B**801101800 | M18      | 2.5       | 125      | 30       | 14       | 11               | 6.357,78 | 6.691,00 |
| B**801102000 | M20      | 2.5       | 140      | 32       | 16       | 12               | 6.771,12 | 7.222,23 |

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**INOX PASLANMAZ- Eğik Ağız Bilemeli**

**M**



## DIN-371

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | TL/Adet  |          |
|--------------|----------|-----------|----------|----------|----------|------------------|----------|----------|
|              |          |           |          |          |          |                  | TIN      | STAR     |
| B**802000300 | M 3      | 0.5       | 56       | 10       | 3.5      | 2.7              | 1.373,39 | 1.432,36 |
| B**802000400 | M 4      | 0.7       | 63       | 12       | 4.5      | 3.4              | 1.429,72 | 1.496,72 |
| B**802000500 | M 5      | 0.8       | 70       | 14       | 6        | 4.9              | 1.457,33 | 1.535,93 |
| B**802000600 | M 6      | 1         | 80       | 16       | 6        | 4.9              | 1.631,89 | 1.745,78 |
| B**802000800 | M 8      | 1.25      | 90       | 18       | 8        | 6.2              | 1.855,90 | 1.991,05 |
| B**802001000 | M10      | 1.5       | 100      | 20       | 10       | 8                | 2.221,09 | 2.395,48 |
| B**802001200 | M12      | 1.75      | 110      | 24       | 12       | 9                | 2.654,53 | 2.850,45 |

## DIN-376

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | TL/Adet  |          |
|--------------|----------|-----------|----------|----------|----------|------------------|----------|----------|
|              |          |           |          |          |          |                  | TIN      | STAR     |
| B**802101200 | M12      | 1.75      | 110      | 24       | 9        | 7                | 2.855,62 | 3.051,50 |
| B**802101400 | M14      | 2         | 110      | 26       | 11       | 9                | 3.933,52 | 4.207,33 |
| B**802101600 | M16      | 2         | 110      | 28       | 12       | 9                | 4.405,25 | 4.693,76 |
| B**802101800 | M18      | 2.5       | 125      | 30       | 14       | 11               | 6.241,93 | 6.575,00 |
| B**802102000 | M20      | 2.5       | 140      | 32       | 16       | 12               | 6.651,32 | 7.102,33 |

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**VENÜS**

INOX PASLANMAZ - Eğik Ağız Bilemeli

**M**



**PM**

**DIN-371**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | TL/Adet  |          |
|--------------|----------|-----------|----------|----------|----------|------------------|----------|----------|
|              |          |           |          |          |          |                  | TIN      | STAR     |
| B**822000300 | M 3      | 0.5       | 56       | 10       | 3.5      | 2.7              | 1.561,88 | 1.620,66 |
| B**822000400 | M 4      | 0.7       | 63       | 12       | 4.5      | 3.4              | 1.624,71 | 1.691,08 |
| B**822000500 | M 5      | 0.8       | 70       | 14       | 6        | 4.9              | 1.651,86 | 1.730,58 |
| B**822000600 | M 6      | 1         | 80       | 16       | 6        | 4.9              | 1.842,77 | 1.956,16 |
| B**822000800 | M 8      | 1.25      | 90       | 18       | 8        | 6.2              | 2.093,96 | 2.229,20 |
| B**822001000 | M10      | 1.5       | 100      | 20       | 10       | 8                | 2.501,52 | 2.675,79 |
| B**822001200 | M12      | 1.75      | 110      | 24       | 12       | 9                | 2.993,09 | 3.189,24 |

**DIN-376**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | TL/Adet  |          |
|--------------|----------|-----------|----------|----------|----------|------------------|----------|----------|
|              |          |           |          |          |          |                  | TIN      | STAR     |
| B**822101200 | M12      | 1.75      | 110      | 24       | 9        | 7                | 3.224,68 | 3.420,93 |
| B**822101400 | M14      | 2         | 110      | 26       | 11       | 9                | 4.440,30 | 4.714,50 |
| B**822101600 | M16      | 2         | 110      | 28       | 12       | 9                | 4.980,09 | 5.268,19 |
| B**822101800 | M18      | 2.5       | 125      | 30       | 14       | 11               | 7.077,38 | 7.410,66 |
| B**822102000 | M20      | 2.5       | 140      | 32       | 16       | 12               | 7.513,99 | 7.964,81 |

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**VENÜS**

**INOX PASLANMAZ 45° Helis Kanallı**

**M**



**DIN-371**

TL/Adet

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | TIN      | STAR     |
|--------------|----------|-----------|----------|----------|----------|------------------|----------|----------|
| B**802010300 | M 3      | 0.5       | 56       | 6        | 3.5      | 2.7              | 1.489,32 | 1.547,71 |
| B**802010400 | M 4      | 0.7       | 63       | 7        | 4.5      | 3.4              | 1.546,51 | 1.613,27 |
| B**802010500 | M 5      | 0.8       | 70       | 8        | 6        | 4.9              | 1.574,06 | 1.652,17 |
| B**802010600 | M 6      | 1         | 80       | 10       | 6        | 4.9              | 1.761,88 | 1.875,66 |
| B**802010800 | M 8      | 1.25      | 90       | 12       | 8        | 6.2              | 2.001,17 | 2.136,10 |
| B**802011000 | M10      | 1.5       | 100      | 14       | 10       | 8                | 2.389,28 | 2.564,07 |
| B**802011200 | M12      | 1.75      | 110      | 16       | 12       | 9                | 2.857,58 | 3.053,56 |

**DIN-376**

TL/Adet

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | TIN      | STAR     |
|--------------|----------|-----------|----------|----------|----------|------------------|----------|----------|
| B**802111200 | M12      | 1.75      | 110      | 16       | 9        | 7                | 3.073,94 | 3.269,80 |
| B**802111400 | M14      | 2         | 110      | 18       | 11       | 9                | 4.238,30 | 4.512,36 |
| B**802111600 | M16      | 2         | 110      | 20       | 12       | 9                | 4.753,82 | 5.042,12 |
| B**802111800 | M18      | 2.5       | 125      | 22       | 14       | 11               | 6.750,84 | 7.084,57 |
| B**802112000 | M20      | 2.5       | 140      | 22       | 16       | 12               | 7.160,32 | 7.611,59 |

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**TIN**

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MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

**VENÜS**

INOX PASLANMAZ - 45° Helis Kanallı

**M**



**PM**

**DIN-371**

TL/Adet

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | TIN      | STAR     |
|--------------|----------|-----------|----------|----------|----------|------------------|----------|----------|
| B**822010300 | M 3      | 0.5       | 56       | 6        | 3.5      | 2.7              | 1.694,99 | 1.753,85 |
| B**822010400 | M 4      | 0.7       | 63       | 7        | 4.5      | 3.4              | 1.758,86 | 1.825,77 |
| B**822010500 | M 5      | 0.8       | 70       | 8        | 6        | 4.9              | 1.786,34 | 1.864,68 |
| B**822010600 | M 6      | 1         | 80       | 10       | 6        | 4.9              | 1.991,50 | 2.105,20 |
| B**822010800 | M 8      | 1.25      | 90       | 12       | 8        | 6.2              | 2.260,65 | 2.395,91 |
| B**822011000 | M10      | 1.5       | 100      | 14       | 10       | 8                | 2.695,60 | 2.869,81 |
| B**822011200 | M12      | 1.75      | 110      | 16       | 12       | 9                | 3.227,26 | 3.422,80 |

**DIN-376**

TL/Adet

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | TIN      | STAR     |
|--------------|----------|-----------|----------|----------|----------|------------------|----------|----------|
| B**822111200 | M12      | 1.75      | 110      | 16       | 9        | 7                | 3.476,12 | 3.672,30 |
| B**822111400 | M14      | 2         | 110      | 18       | 11       | 9                | 4.790,82 | 5.065,63 |
| B**822111600 | M16      | 2         | 110      | 20       | 12       | 9                | 5.381,01 | 5.669,43 |
| B**822111800 | M18      | 2.5       | 125      | 22       | 14       | 11               | 7.663,21 | 7.996,66 |
| B**822112000 | M20      | 2.5       | 140      | 22       | 16       | 12               | 8.099,80 | 8.550,96 |

**B\*\***

**TIN**

B10

**STAR**

B13

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MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

**MARS** DÖKÜM - Düz Kanallı

**M**



**DIN-371**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | Matkap<br>Çapı | TL/Adet         |
|--------------|----------|-----------|----------|----------|----------|------------------|----------------|-----------------|
| B13802500300 | M 3      | 0.5       | 56       | 10       | 3.5      | 2.7              | 2.5            | <b>1.455,20</b> |
| B13802500400 | M 4      | 0.7       | 63       | 12       | 4.5      | 3.4              | 3.3            | <b>1.520,57</b> |
| B13802500500 | M 5      | 0.8       | 70       | 14       | 6        | 4.9              | 4.2            | <b>1.559,69</b> |
| B13802500600 | M 6      | 1         | 80       | 16       | 6        | 4.9              | 5              | <b>1.771,54</b> |
| B13802500800 | M 8      | 1.25      | 90       | 18       | 8        | 6.2              | 6.8            | <b>2.020,89</b> |
| B13802501000 | M10      | 1.5       | 100      | 20       | 10       | 8                | 8.5            | <b>2.430,03</b> |
| B13802501200 | M12      | 1.75      | 110      | 24       | 12       | 9                | 10.2           | <b>2.892,12</b> |

**DIN-376**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | Matkap<br>Çapı | TL/Adet         |
|--------------|----------|-----------|----------|----------|----------|------------------|----------------|-----------------|
| B13802601200 | M12      | 1.75      | 110      | 24       | 9        | 7                | 10.2           | <b>3.097,29</b> |
| B13802601400 | M14      | 2         | 110      | 26       | 11       | 9                | 12             | <b>4.270,38</b> |
| B13802601600 | M16      | 2         | 110      | 28       | 12       | 9                | 14             | <b>4.764,93</b> |
| B13802601800 | M18      | 2.5       | 125      | 30       | 14       | 11               | 15.5           | <b>6.678,44</b> |
| B13802602000 | M20      | 2.5       | 140      | 32       | 16       | 12               | 17.5           | <b>7.208,94</b> |



MAKİNA TAKIM ENDÜSTRİSİ A.Ş.

**MARS** DÖKÜM - Düz Kanallı

**M**



**DIN-371**

**PM**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | Matkap<br>Çapı | TL/Adet         |
|--------------|----------|-----------|----------|----------|----------|------------------|----------------|-----------------|
| B13812500300 | M 3      | 0.5       | 56       | 10       | 3.5      | 2.7              | 2.5            | <b>1.647,18</b> |
| B13812500400 | M 4      | 0.7       | 63       | 12       | 4.5      | 3.4              | 3.3            | <b>1.718,89</b> |
| B13812500500 | M 5      | 0.8       | 70       | 14       | 6        | 4.9              | 4.2            | <b>1.758,30</b> |
| B13812500600 | M 6      | 1         | 80       | 16       | 6        | 4.9              | 5              | <b>1.985,97</b> |
| B13812500800 | M 8      | 1.25      | 90       | 18       | 8        | 6.2              | 6.8            | <b>2.262,65</b> |
| B13812501000 | M10      | 1.5       | 100      | 20       | 10       | 8                | 8.5            | <b>2.716,00</b> |
| B13812501200 | M12      | 1.75      | 110      | 24       | 12       | 9                | 10.2           | <b>3.237,00</b> |

**DIN-376**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | Matkap<br>Çapı | TL/Adet         |
|--------------|----------|-----------|----------|----------|----------|------------------|----------------|-----------------|
| B13812601200 | M12      | 1.75      | 110      | 24       | 9        | 7                | 10.2           | <b>3.473,64</b> |
| B13812601400 | M14      | 2         | 110      | 26       | 11       | 9                | 12             | <b>4.786,86</b> |
| B13812601600 | M16      | 2         | 110      | 28       | 12       | 9                | 14             | <b>5.349,92</b> |
| B13812601800 | M18      | 2.5       | 125      | 30       | 14       | 11               | 15.5           | <b>7.529,56</b> |
| B13812602000 | M20      | 2.5       | 140      | 32       | 16       | 12               | 17.5           | <b>8.087,80</b> |

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**MARS DÖKÜM - 15°Helis Kanallı**

**M**



**DIN-371**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | Matkap<br>Çapı | TL/Adet         |
|--------------|----------|-----------|----------|----------|----------|------------------|----------------|-----------------|
| B13802510300 | M 3      | 0.5       | 56       | 10       | 3.5      | 2.7              | 2.5            | <b>1.598,88</b> |
| B13802510400 | M 4      | 0.7       | 63       | 12       | 4.5      | 3.4              | 3.3            | <b>1.665,50</b> |
| B13802510500 | M 5      | 0.8       | 70       | 14       | 6        | 4.9              | 4.2            | <b>1.704,91</b> |
| B13802510600 | M 6      | 1         | 80       | 16       | 6        | 4.9              | 5              | <b>1.932,51</b> |
| B13802510800 | M 8      | 1.25      | 90       | 18       | 8        | 6.2              | 6.8            | <b>2.200,30</b> |
| B13802511000 | M10      | 1.5       | 100      | 20       | 10       | 8                | 8.5            | <b>2.639,68</b> |
| B13802511200 | M12      | 1.75      | 110      | 24       | 12       | 9                | 10.2           | <b>3.144,64</b> |

**DIN-376**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | Matkap<br>Çapı | TL/Adet         |
|--------------|----------|-----------|----------|----------|----------|------------------|----------------|-----------------|
| B13802611200 | M12      | 1.75      | 110      | 24       | 9        | 7                | 10.2           | <b>3.320,04</b> |
| B13802611400 | M14      | 2         | 110      | 26       | 11       | 9                | 12             | <b>4.581,10</b> |
| B13802611600 | M16      | 2         | 110      | 28       | 12       | 9                | 14             | <b>5.119,51</b> |
| B13802611800 | M18      | 2.5       | 125      | 30       | 14       | 11               | 15.5           | <b>7.197,18</b> |
| B13802612000 | M20      | 2.5       | 140      | 32       | 16       | 12               | 17.5           | <b>7.727,66</b> |



MAKİNA TAKIM ENDÜSTRİSİ A.Ş.

**MARS** DÖKÜM - 15°Helis Kanallı

**M**



**DIN-371**

**PM**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | Matkap<br>Çapı | TL/Adet         |
|--------------|----------|-----------|----------|----------|----------|------------------|----------------|-----------------|
| B13812510300 | M 3      | 0.5       | 56       | 10       | 3.5      | 2.7              | 2.5            | <b>1.811,83</b> |
| B13812510400 | M 4      | 0.7       | 63       | 12       | 4.5      | 3.4              | 3.3            | <b>1.885,71</b> |
| B13812510500 | M 5      | 0.8       | 70       | 14       | 6        | 4.9              | 4.2            | <b>1.924,70</b> |
| B13812510600 | M 6      | 1         | 80       | 16       | 6        | 4.9              | 5              | <b>2.170,78</b> |
| B13812510800 | M 8      | 1.25      | 90       | 18       | 8        | 6.2              | 6.8            | <b>2.469,68</b> |
| B13812511000 | M10      | 1.5       | 100      | 20       | 10       | 8                | 8.5            | <b>2.957,14</b> |
| B13812511200 | M12      | 1.75      | 110      | 24       | 12       | 9                | 10.2           | <b>3.528,06</b> |

**DIN-376**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | Matkap<br>Çapı | TL/Adet         |
|--------------|----------|-----------|----------|----------|----------|------------------|----------------|-----------------|
| B13812611200 | M12      | 1.75      | 110      | 24       | 9        | 7                | 10.2           | <b>3.729,05</b> |
| B13812611400 | M14      | 2         | 110      | 26       | 11       | 9                | 12             | <b>5.144,12</b> |
| B13812611600 | M16      | 2         | 110      | 28       | 12       | 9                | 14             | <b>5.758,56</b> |
| B13812611800 | M18      | 2.5       | 125      | 30       | 14       | 11               | 15.5           | <b>8.126,24</b> |
| B13812612000 | M20      | 2.5       | 140      | 32       | 16       | 12               | 17.5           | <b>8.684,70</b> |

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MAKİNA TAKIM ENDÜSTRİSİ A.Ş.

**URANÜS** METAL DIŞI - Düz Kanallı Bakır Alaşımli  
M



**DIN-371**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | TL/Adet  |          |
|--------------|----------|-----------|----------|----------|----------|------------------|----------|----------|
|              |          |           |          |          |          |                  | BM       | TIN      |
| B**803000300 | M 3      | 0.5       | 56       | 10       | 3.5      | 2.7              | 1.257,00 | 1.374,94 |
| B**803000400 | M 4      | 0.7       | 63       | 12       | 4.5      | 3.4              | 1.299,89 | 1.431,10 |
| B**803000500 | M 5      | 0.8       | 70       | 14       | 6        | 4.9              | 1.299,89 | 1.458,80 |
| B**803000600 | M 6      | 1         | 80       | 16       | 6        | 4.9              | 1.403,98 | 1.633,07 |
| B**803000800 | M 8      | 1.25      | 90       | 18       | 8        | 6.2              | 1.587,27 | 1.857,91 |
| B**803001000 | M10      | 1.5       | 100      | 20       | 10       | 8                | 1.872,22 | 2.223,07 |
| B**803001200 | M12      | 1.75      | 110      | 24       | 12       | 9                | 2.262,65 | 2.656,67 |

**DIN-376**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | TL/Adet  |          |
|--------------|----------|-----------|----------|----------|----------|------------------|----------|----------|
|              |          |           |          |          |          |                  | BM       | TIN      |
| B**803101200 | M12      | 1.75      | 110      | 24       | 9        | 7                | 2.464,07 | 2.858,42 |
| B**803101400 | M14      | 2         | 110      | 26       | 11       | 9                | 3.383,78 | 3.937,03 |
| B**803101600 | M16      | 2         | 110      | 28       | 12       | 9                | 3.837,03 | 4.409,38 |
| B**803101800 | M18      | 2.5       | 125      | 30       | 14       | 11               | 5.579,11 | 6.247,69 |
| B**803102000 | M20      | 2.5       | 140      | 32       | 16       | 12               | 5.757,35 | 6.657,76 |

B\*\*

BM

B20

TIN

B10



MAKİNA TAKIM ENDÜSTRİSİ A.Ş.

**URANÜS**

**M**

**METAL DIŞI - Eğik Ağız Bilemeli**  
**Alüminyum**



## DIN-371

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | TL/Adet  |          |
|--------------|----------|-----------|----------|----------|----------|------------------|----------|----------|
|              |          |           |          |          |          |                  | BM       | TIN      |
| B**803010300 | M 3      | 0.5       | 56       | 10       | 3.5      | 2.7              | 1.232,10 | 1.349,47 |
| B**803010400 | M 4      | 0.7       | 63       | 12       | 4.5      | 3.4              | 1.274,55 | 1.405,65 |
| B**803010500 | M 5      | 0.8       | 70       | 14       | 6        | 4.9              | 1.274,55 | 1.433,30 |
| B**803010600 | M 6      | 1         | 80       | 16       | 6        | 4.9              | 1.376,61 | 1.606,39 |
| B**803010800 | M 8      | 1.25      | 90       | 18       | 8        | 6.2              | 1.556,18 | 1.827,10 |
| B**803011000 | M10      | 1.5       | 100      | 20       | 10       | 8                | 1.835,36 | 2.186,16 |
| B**803011200 | M12      | 1.75      | 110      | 24       | 12       | 9                | 2.217,99 | 2.612,17 |

## DIN-376

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | TL/Adet  |          |
|--------------|----------|-----------|----------|----------|----------|------------------|----------|----------|
|              |          |           |          |          |          |                  | BM       | TIN      |
| B**803111200 | M12      | 1.75      | 110      | 24       | 9        | 7                | 2.416,03 | 2.809,91 |
| B**803111400 | M14      | 2         | 110      | 26       | 11       | 9                | 3.317,31 | 3.870,55 |
| B**803111600 | M16      | 2         | 110      | 28       | 12       | 9                | 3.761,47 | 4.334,05 |
| B**803111800 | M18      | 2.5       | 125      | 30       | 14       | 11               | 5.469,56 | 6.138,79 |
| B**803112000 | M20      | 2.5       | 140      | 32       | 16       | 12               | 5.644,62 | 6.544,94 |

**B\*\***

**BM**

B20

**TIN**

B10

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MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

**URANÜS**

**M**

**METAL DIŞI - 45° Helis Kanallı**  
**Alüminyum**



**DIN-371**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | TL/Adet  |          |
|--------------|----------|-----------|----------|----------|----------|------------------|----------|----------|
|              |          |           |          |          |          |                  | BM       | TIN      |
| B**803020300 | M 3      | 0.5       | 56       | 6        | 3.5      | 2.7              | 1.346,48 | 1.463,74 |
| B**803020400 | M 4      | 0.7       | 63       | 7        | 4.5      | 3.4              | 1.388,78 | 1.520,04 |
| B**803020500 | M 5      | 0.8       | 70       | 8        | 6        | 4.9              | 1.388,78 | 1.547,37 |
| B**803020600 | M 6      | 1         | 80       | 10       | 6        | 4.9              | 1.504,05 | 1.733,53 |
| B**803020800 | M 8      | 1.25      | 90       | 12       | 8        | 6.2              | 1.697,93 | 1.969,24 |
| B**803021000 | M10      | 1.5       | 100      | 14       | 10       | 8                | 2.001,17 | 2.352,13 |
| B**803021200 | M12      | 1.75      | 110      | 16       | 12       | 9                | 2.417,56 | 2.812,27 |

**DIN-376**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | TL/Adet  |          |
|--------------|----------|-----------|----------|----------|----------|------------------|----------|----------|
|              |          |           |          |          |          |                  | BM       | TIN      |
| B**803121200 | M12      | 1.75      | 110      | 16       | 9        | 7                | 2.630,20 | 3.024,47 |
| B**803121400 | M14      | 2         | 110      | 18       | 11       | 9                | 3.616,97 | 4.169,66 |
| B**803121600 | M16      | 2         | 110      | 20       | 12       | 9                | 4.104,01 | 4.676,38 |
| B**803121800 | M18      | 2.5       | 125      | 22       | 14       | 11               | 5.969,76 | 6.638,19 |
| B**803122000 | M20      | 2.5       | 140      | 22       | 16       | 12               | 6.144,48 | 7.044,92 |

**B\*\***

**BM**

B20

**TIN**

B10



MAKİNA TAKIM ENDÜSTRİSİ A.Ş.

**URANÜS**

**M**

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



**DIN-371**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | TL/Adet  |          |
|--------------|----------|-----------|----------|----------|----------|------------------|----------|----------|
|              |          |           |          |          |          |                  | BM       | TIN      |
| B**803030300 | M 3      | 0.5       | 56       | 6        | 3.5      | 2.7              | 1.346,48 | 1.463,74 |
| B**803030400 | M 4      | 0.7       | 63       | 7        | 4.5      | 3.4              | 1.388,78 | 1.520,04 |
| B**803030500 | M 5      | 0.8       | 70       | 8        | 6        | 4.9              | 1.388,78 | 1.547,37 |
| B**803030600 | M 6      | 1         | 80       | 10       | 6        | 4.9              | 1.504,05 | 1.733,53 |
| B**803030800 | M 8      | 1.25      | 90       | 12       | 8        | 6.2              | 1.697,93 | 1.969,24 |
| B**803031000 | M10      | 1.5       | 100      | 14       | 10       | 8                | 2.001,17 | 2.352,13 |
| B**803031200 | M12      | 1.75      | 110      | 16       | 12       | 9                | 2.417,56 | 2.812,27 |

**DIN-376**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | TL/Adet  |          |
|--------------|----------|-----------|----------|----------|----------|------------------|----------|----------|
|              |          |           |          |          |          |                  | BM       | TIN      |
| B**803131200 | M12      | 1.75      | 110      | 16       | 9        | 7                | 2.630,20 | 3.024,47 |
| B**803131400 | M14      | 2         | 110      | 18       | 11       | 9                | 3.616,97 | 4.169,66 |
| B**803131600 | M16      | 2         | 110      | 20       | 12       | 9                | 4.104,01 | 4.676,38 |
| B**803131800 | M18      | 2.5       | 125      | 22       | 14       | 11               | 5.969,76 | 6.638,19 |
| B**803132000 | M20      | 2.5       | 140      | 22       | 16       | 12               | 6.144,48 | 7.044,92 |

**B\*\***

**BM**

B20

**TIN**

B10

YÜK. PERFORMANSLI  
KILAVUZLARI



MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

**URANÜS** METAL DIŞI - Düz Kanallı Makina Kılavuzu  
M



**~DIN-371 / DIN-376**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>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              | 2.131,88 | 2.283,21 |
| B**803300483 | Nr: 10   | 24        | 70       | 14       | 6        | 4.9              | 2.331,73 | 2.531,00 |
| B**803300549 | Nr: 12   | 24        | 80       | 16       | 6        | 5.5              | 2.217,40 | 2.430,51 |
| B**803300635 | 1/4"     | 20        | 80       | 16       | 7        | 5.5              | 2.021,39 | 2.256,68 |
| B**803300794 | 5/16"    | 18        | 90       | 18       | 8        | 6.2              | 2.300,49 | 2.535,59 |
| B**803300952 | 3/8"     | 16        | 100      | 20       | 10       | 8                | 2.654,80 | 2.959,71 |
| B**803301111 | 7/16"    | 14        | 100      | 22       | 8        | 6.2              | 3.079,79 | 3.422,64 |
| B**803301270 | 1/2"     | 13        | 110      | 25       | 9        | 7                | 3.335,41 | 3.678,43 |
| B**803301429 | 9/16"    | 12        | 110      | 30       | 12       | 9                | 4.514,11 | 4.994,93 |
| B**803301905 | 3/4"     | 10        | 125      | 32       | 14       | 11               | 7.640,30 | 8.423,02 |

B\*\*

BM

B20

TIN

B10



MAKİNA TAKIM ENDÜSTRİSİ A.Ş.

**URANÜS** METAL DIŞI - Helis Kanallı Makina Kılavuzu  
**M**



**~DIN-371 / DIN-376**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>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              | 2.574,55 | 2.712,49 |
| B**803400483 | Nr: 10   | 24        | 70       | 8        | 6        | 4.9              | 2.797,73 | 2.997,33 |
| B**803400549 | Nr: 12   | 24        | 80       | 12       | 6        | 5.5              | 2.705,72 | 2.905,75 |
| B**803400635 | 1/4"     | 20        | 80       | 12       | 7        | 5.5              | 2.427,86 | 2.663,25 |
| B**803400794 | 5/16"    | 18        | 90       | 12       | 8        | 6.2              | 2.764,42 | 2.999,81 |
| B**803400952 | 3/8"     | 16        | 100      | 16       | 10       | 8                | 3.183,63 | 3.489,19 |
| B**803401111 | 7/16"    | 14        | 100      | 18       | 8        | 6.2              | 3.697,26 | 4.040,26 |
| B**803401270 | 1/2"     | 13        | 110      | 20       | 9        | 7                | 3.997,31 | 4.340,30 |
| B**803401429 | 9/16"    | 12        | 110      | 24       | 12       | 9                | 5.424,18 | 5.904,63 |
| B**803401905 | 3/4"     | 10        | 125      | 25       | 14       | 11               | 9.179,12 | 9.961,97 |

B\*\*

BM

B20

TIN

B10

YÜK. PERFORMANSLI  
KILAVUZLARI



MAKİNA TAKIM ENDÜSTRİSİ A.Ş.

**URANÜS** METAL DIŞI - Düz Kanallı Makina Kılavuzu  
M



**~DIN-371 / DIN-376**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>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              | 2.306,99 | 2.444,95  |
| B**803350483 | Nr: 10   | 32        | 70       | 14       | 3.5      | 4.9              | 2.541,81 | 2.741,16  |
| B**803350549 | Nr: 12   | 28        | 80       | 16       | 4        | 5.5              | 2.541,81 | 2.741,16  |
| B**803350635 | 1/4"     | 28        | 80       | 16       | 4.5      | 5.5              | 2.310,53 | 2.545,91  |
| B**803350794 | 5/16"    | 24        | 90       | 18       | 6        | 6.2              | 2.628,69 | 2.864,32  |
| B**803350952 | 3/8"     | 24        | 100      | 20       | 7        | 8                | 3.024,79 | 3.330,46  |
| B**803351111 | 7/16"    | 20        | 100      | 22       | 8        | 6.2              | 3.523,10 | 3.865,73  |
| B**803351270 | 1/2"     | 20        | 110      | 25       | 9        | 7                | 3.809,67 | 4.152,72  |
| B**803351429 | 9/16"    | 18        | 110      | 30       | 12       | 9                | 5.580,33 | 6.061,48  |
| B**803351905 | 3/4"     | 16        | 125      | 32       | 14       | 11               | 9.387,57 | 10.170,51 |

B\*\*

BM

B20

TIN

B10



MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

**URANÜS**

**METAL DIŞI - Helis Kanallı Makina Kılavuzu**

**M**



**~DIN-371 / DIN-376**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>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              | 2.760,45  | 2.898,56  |
| B**803450483 | Nr: 10   | 32        | 70       | 8        | 3.5      | 4.9              | 3.050,06  | 3.249,24  |
| B**803450549 | Nr: 12   | 28        | 80       | 12       | 4        | 5.5              | 3.050,06  | 3.249,24  |
| B**803450635 | 1/4"     | 28        | 80       | 12       | 4.5      | 5.5              | 2.769,23  | 3.004,48  |
| B**803450794 | 5/16"    | 24        | 90       | 12       | 6        | 6.2              | 3.157,88  | 3.393,46  |
| B**803450952 | 3/8"     | 24        | 100      | 16       | 7        | 8                | 3.633,06  | 3.937,75  |
| B**803451111 | 7/16"    | 20        | 100      | 18       | 8        | 6.2              | 4.224,34  | 4.567,36  |
| B**803451270 | 1/2"     | 20        | 110      | 20       | 9        | 7                | 4.571,14  | 4.914,19  |
| B**803451429 | 9/16"    | 18        | 110      | 24       | 11       | 9                | 6.675,59  | 7.156,52  |
| B**803451905 | 3/4"     | 16        | 125      | 25       | 14       | 11               | 11.264,95 | 12.047,97 |

**B\*\***

**BM**

B20

**TIN**

B10

YÜK. PERFORMANSLI  
KILAVUZLARI



MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

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



**DIN-371**



| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | Matkap<br>Çapı | TL/Adet  |
|--------------|----------|-----------|----------|----------|----------|------------------|----------------|----------|
| B13824010300 | M 3      | 0.5       | 56       | 10       | 3.5      | 2.7              | 2.5            | 2.202,50 |
| B13824010400 | M 4      | 0.7       | 63       | 12       | 4.5      | 3.4              | 3.3            | 2.289,74 |
| B13824010500 | M 5      | 0.8       | 70       | 14       | 6        | 4.9              | 4.2            | 2.332,99 |
| B13824010600 | M 6      | 1         | 80       | 16       | 6        | 4.9              | 5              | 2.621,06 |
| B13824010800 | M 8      | 1.25      | 90       | 18       | 8        | 6.2              | 6.8            | 2.979,79 |
| B13824011000 | M10      | 1.5       | 100      | 20       | 10       | 8                | 8.5            | 3.562,81 |
| B13824011200 | M12      | 1.75      | 110      | 24       | 12       | 9                | 10.2           | 4.256,13 |

**DIN-376**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | Matkap<br>Çapı | TL/Adet   |
|--------------|----------|-----------|----------|----------|----------|------------------|----------------|-----------|
| B13824111200 | M12      | 1.75      | 110      | 24       | 9        | 7                | 10.2           | 4.572,84  |
| B13824111400 | M14      | 2         | 110      | 26       | 11       | 9                | 12             | 6.305,88  |
| B13824111600 | M16      | 2         | 110      | 28       | 12       | 9                | 14             | 7.069,19  |
| B13824111800 | M18      | 2.5       | 125      | 30       | 14       | 11               | 15.5           | 10.007,63 |
| B13824112000 | M20      | 2.5       | 140      | 32       | 16       | 12               | 17.5           | 10.652,22 |



MAKİNA TAKIM ENDÜSTRİSİ A.Ş.

**SATÜRN**

ISI DİRENÇLİ Ti-Ni - TOOLUX

**M**

15° Helis Kanallı



**DIN-371**

**PM**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | Matkap<br>Çapı | TL/Adet         |
|--------------|----------|-----------|----------|----------|----------|------------------|----------------|-----------------|
| B13824000300 | M 3      | 0.5       | 56       | 10       | 3.5      | 2.7              | 2.5            | <b>2.001,83</b> |
| B13824000400 | M 4      | 0.7       | 63       | 12       | 4.5      | 3.4              | 3.3            | <b>2.081,55</b> |
| B13824000500 | M 5      | 0.8       | 70       | 14       | 6        | 4.9              | 4.2            | <b>2.120,64</b> |
| B13824000600 | M 6      | 1         | 80       | 16       | 6        | 4.9              | 5              | <b>2.382,72</b> |
| B13824000800 | M 8      | 1.25      | 90       | 18       | 8        | 6.2              | 6.8            | <b>2.709,64</b> |
| B13824001000 | M10      | 1.5       | 100      | 20       | 10       | 8                | 8.5            | <b>3.239,20</b> |
| B13824001200 | M12      | 1.75      | 110      | 24       | 12       | 9                | 10.2           | <b>3.869,44</b> |

**DIN-376**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | Matkap<br>Çapı | TL/Adet         |
|--------------|----------|-----------|----------|----------|----------|------------------|----------------|-----------------|
| B13824101200 | M12      | 1.75      | 110      | 24       | 9        | 7                | 10.2           | <b>4.157,34</b> |
| B13824101400 | M14      | 2         | 110      | 26       | 11       | 9                | 12             | <b>5.732,53</b> |
| B13824101600 | M16      | 2         | 110      | 28       | 12       | 9                | 14             | <b>6.426,31</b> |
| B13824101800 | M18      | 2.5       | 125      | 30       | 14       | 11               | 15.5           | <b>9.097,46</b> |
| B13824102000 | M20      | 2.5       | 140      | 32       | 16       | 12               | 17.5           | <b>9.684,58</b> |

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MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

**MERKÜR** - 50/55 HRc Düz Kanallı

**M**



**DIN-371**

**PM**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | Matkap<br>Çapı | TL/Adet  |
|--------------|----------|-----------|----------|----------|----------|------------------|----------------|----------|
| B13824500600 | M 6      | 1         | 80       | 10       | 6        | 4.9              | 5.1            | 2.284,80 |
| B13824500800 | M 8      | 1.25      | 90       | 12       | 8        | 6.2              | 6.9            | 2.600,15 |
| B13824501000 | M10      | 1.5       | 100      | 14       | 10       | 8                | 8.6            | 3.114,05 |
| B13824501200 | M12      | 1.75      | 110      | 16       | 12       | 9                | 10.3           | 3.719,09 |



MAKİNA TAKIM ENDÜSTRİSİ A.Ş.

**JUPİTER** H SPEED- Eğik Ağız Bilemeli

**M**



**DIN-371**

**PM**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | Matkap<br>Çapı | TL/Adet         |
|--------------|----------|-----------|----------|----------|----------|------------------|----------------|-----------------|
| B13825010300 | M 3      | 0.5       | 56       | 10       | 3.5      | 2.7              | 2.5            | <b>1.780,37</b> |
| B13825010400 | M 4      | 0.7       | 63       | 12       | 4.5      | 3.4              | 3.3            | <b>1.857,18</b> |
| B13825010500 | M 5      | 0.8       | 70       | 14       | 6        | 4.9              | 4.2            | <b>1.896,29</b> |
| B13825010600 | M 6      | 1         | 80       | 16       | 6        | 4.9              | 5              | <b>2.135,41</b> |
| B13825010800 | M 8      | 1.25      | 90       | 18       | 8        | 6.2              | 6.8            | <b>2.431,58</b> |
| B13825011000 | M10      | 1.5       | 100      | 20       | 10       | 8                | 8.5            | <b>2.915,13</b> |
| B13825011200 | M12      | 1.75      | 110      | 24       | 12       | 9                | 10.2           | <b>3.477,87</b> |

**DIN-376**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | Matkap<br>Çapı | TL/Adet         |
|--------------|----------|-----------|----------|----------|----------|------------------|----------------|-----------------|
| B13825111200 | M12      | 1.75      | 110      | 24       | 9        | 7                | 10.2           | <b>3.735,26</b> |
| B13825111400 | M14      | 2         | 110      | 26       | 11       | 9                | 12             | <b>5.146,71</b> |
| B13825111600 | M16      | 2         | 110      | 28       | 12       | 9                | 14             | <b>5.758,38</b> |
| B13825111800 | M18      | 2.5       | 125      | 30       | 14       | 11               | 15.5           | <b>8.123,32</b> |
| B13825112000 | M20      | 2.5       | 140      | 32       | 16       | 12               | 17.5           | <b>8.699,89</b> |

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KILAVUZLARI



MAKİNA TAKIM ENDÜSTRİSİ A.Ş.

**JUPİTER** H SPEED - Düz Kanallı

**M**



**DIN-371**

**PM**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | Matkap<br>Çapı | TL/Adet         |
|--------------|----------|-----------|----------|----------|----------|------------------|----------------|-----------------|
| B13825000300 | M 3      | 0.5       | 56       | 10       | 3.5      | 2.7              | 2.5            | <b>1.732,66</b> |
| B13825000400 | M 4      | 0.7       | 63       | 12       | 4.5      | 3.4              | 3.3            | <b>1.807,23</b> |
| B13825000500 | M 5      | 0.8       | 70       | 14       | 6        | 4.9              | 4.2            | <b>1.846,86</b> |
| B13825000600 | M 6      | 1         | 80       | 16       | 6        | 4.9              | 5              | <b>2.081,55</b> |
| B13825000800 | M 8      | 1.25      | 90       | 18       | 8        | 6.2              | 6.8            | <b>2.371,18</b> |
| B13825001000 | M10      | 1.5       | 100      | 20       | 10       | 8                | 8.5            | <b>2.843,36</b> |
| B13825001200 | M12      | 1.75      | 110      | 24       | 12       | 9                | 10.2           | <b>3.391,25</b> |

**DIN-376**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | Matkap<br>Çapı | TL/Adet         |
|--------------|----------|-----------|----------|----------|----------|------------------|----------------|-----------------|
| B13825101200 | M12      | 1.75      | 110      | 24       | 9        | 7                | 10.2           | <b>3.641,29</b> |
| B13825101400 | M14      | 2         | 110      | 26       | 11       | 9                | 12             | <b>5.016,95</b> |
| B13825101600 | M16      | 2         | 110      | 28       | 12       | 9                | 14             | <b>5.611,43</b> |
| B13825101800 | M18      | 2.5       | 125      | 30       | 14       | 11               | 15.5           | <b>7.909,39</b> |
| B13825102000 | M20      | 2.5       | 140      | 32       | 16       | 12               | 17.5           | <b>8.479,68</b> |



MAKİNA TAKIM ENDÜSTRİSİ A.Ş.

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

**M**



**DIN-371**

**PM**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | Matkap<br>Çapı | TL/Adet         |
|--------------|----------|-----------|----------|----------|----------|------------------|----------------|-----------------|
| B13825020300 | M 3      | 0.5       | 56       | 10       | 3.5      | 2.7              | 2.5            | <b>1.928,99</b> |
| B13825020400 | M 4      | 0.7       | 63       | 12       | 4.5      | 3.4              | 3.3            | <b>2.006,26</b> |
| B13825020500 | M 5      | 0.8       | 70       | 14       | 6        | 4.9              | 4.2            | <b>2.045,64</b> |
| B13825020600 | M 6      | 1         | 80       | 16       | 6        | 4.9              | 5              | <b>2.301,02</b> |
| B13825020800 | M 8      | 1.25      | 90       | 18       | 8        | 6.2              | 6.8            | <b>2.617,17</b> |
| B13825021000 | M10      | 1.5       | 100      | 20       | 10       | 8                | 8.5            | <b>3.130,52</b> |
| B13825021200 | M12      | 1.75      | 110      | 24       | 12       | 9                | 10.2           | <b>3.737,69</b> |

**DIN-376**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | Matkap<br>Çapı | TL/Adet         |
|--------------|----------|-----------|----------|----------|----------|------------------|----------------|-----------------|
| B13825121200 | M12      | 1.75      | 110      | 24       | 9        | 7                | 10.2           | <b>4.014,23</b> |
| B13825121400 | M14      | 2         | 110      | 26       | 11       | 9                | 12             | <b>5.536,43</b> |
| B13825121600 | M16      | 2         | 110      | 28       | 12       | 9                | 14             | <b>6.203,76</b> |
| B13825121800 | M18      | 2.5       | 125      | 30       | 14       | 11               | 15.5           | <b>8.773,97</b> |
| B13825122000 | M20      | 2.5       | 140      | 32       | 16       | 12               | 17.5           | <b>9.350,90</b> |

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MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

## GALAKSİ OVALAMA - Yağ Kanallı



## DIN-371

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | Matkap<br>Çapı | TL/Adet  |
|--------------|----------|-----------|----------|----------|----------|------------------|----------------|----------|
| B10805500300 | M 3      | 0.5       | 56       | 10       | 3.5      | 2.7              | 2.8            | 3.106,57 |
| B10805500400 | M 4      | 0.7       | 63       | 12       | 4.5      | 3.4              | 3.7            | 3.161,76 |
| B10805500500 | M 5      | 0.8       | 70       | 14       | 6        | 4.9              | 4.65           | 3.361,09 |
| B10805500600 | M 6      | 1         | 80       | 16       | 6        | 4.9              | 5.6            | 3.449,16 |
| B10805500800 | M 8      | 1.25      | 90       | 18       | 8        | 6.2              | 7.45           | 3.941,67 |
| B10805501000 | M10      | 1.5       | 100      | 20       | 10       | 8                | 9.35           | 4.819,59 |
| B10805501200 | M12      | 1.75      | 110      | 24       | 12       | 9                | 11.25          | 6.108,46 |

## DIN-376

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | Matkap<br>Çapı | TL/Adet   |
|--------------|----------|-----------|----------|----------|----------|------------------|----------------|-----------|
| B10805601200 | M12      | 1.75      | 110      | 18       | 9        | 7                | 11.25          | 7.242,50  |
| B10805601400 | M14      | 2         | 110      | 26       | 11       | 9                | 13             | 10.140,46 |
| B10805601600 | M16      | 2         | 110      | 27       | 12       | 9                | 15             | 9.475,00  |
| B10805601800 | M18      | 2.5       | 125      | 32       | 14       | 11               | 16.8           | 14.364,59 |
| B10805602000 | M20      | 2.5       | 140      | 32       | 16       | 12               | 18.8           | 16.552,77 |

TIN

"10"

TICN

"11"

STAR

"13"



MAKİNA TAKIM ENDÜSTRİSİ A.Ş.

**GALAKSİ OVALAMA - Yağ Kanalsız**



**PM**

**DIN-371**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | Matkap<br>Çapı | TL/Adet         |
|--------------|----------|-----------|----------|----------|----------|------------------|----------------|-----------------|
| B13825510300 | M 3      | 0.5       | 56       | 10       | 3.5      | 2.7              | 2.8            | <b>3.592,79</b> |
| B13825510400 | M 4      | 0.7       | 63       | 12       | 4.5      | 3.4              | 3.7            | <b>3.661,69</b> |
| B13825510500 | M 5      | 0.8       | 70       | 14       | 6        | 4.9              | 4.65           | <b>3.896,78</b> |
| B13825510600 | M 6      | 1         | 80       | 16       | 6        | 4.9              | 5.6            | <b>4.022,82</b> |
| B13825510800 | M 8      | 1.25      | 90       | 18       | 8        | 6.2              | 7.45           | <b>4.601,19</b> |
| B13825511000 | M10      | 1.5       | 100      | 20       | 10       | 8                | 9.35           | <b>5.631,99</b> |
| B13825511200 | M12      | 1.75      | 110      | 24       | 12       | 9                | 11.25          | <b>7.121,11</b> |

**DIN-376**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | Matkap<br>Çapı | TL/Adet          |
|--------------|----------|-----------|----------|----------|----------|------------------|----------------|------------------|
| B13825611200 | M12      | 1.75      | 110      | 18       | 9        | 7                | 11.25          | <b>8.416,89</b>  |
| B13825611400 | M14      | 2         | 110      | 26       | 11       | 9                | 13             | <b>11.784,90</b> |
| B13825611600 | M16      | 2         | 110      | 27       | 12       | 9                | 15             | <b>11.035,23</b> |
| B13825611800 | M18      | 2.5       | 125      | 32       | 14       | 11               | 16.8           | <b>16.654,26</b> |
| B13825612000 | M20      | 2.5       | 140      | 32       | 16       | 12               | 18.8           | <b>19.239,37</b> |

YÜK. PERFORMANSLI  
KILAVUZLARI

**TIN**

**"10"**

**TICN**

**"11"**

**STAR**

**"13"**



MAKİNA TAKIM ENDÜSTRİSİ A.Ş.

**GALAKSİ OVALAMA - Yağ Kanalsız**



**DIN-371**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | Matkap<br>Çapı | TL/Adet         |
|--------------|----------|-----------|----------|----------|----------|------------------|----------------|-----------------|
| B10805510300 | M 3      | 0.5       | 56       | 10       | 3.5      | 2.7              | 2.8            | <b>2.964,37</b> |
| B10805510400 | M 4      | 0.7       | 63       | 12       | 4.5      | 3.4              | 3.7            | <b>3.017,55</b> |
| B10805510500 | M 5      | 0.8       | 70       | 14       | 6        | 4.9              | 4.65           | <b>3.208,57</b> |
| B10805510600 | M 6      | 1         | 80       | 16       | 6        | 4.9              | 5.6            | <b>3.295,95</b> |
| B10805510800 | M 8      | 1.25      | 90       | 18       | 8        | 6.2              | 7.45           | <b>3.766,83</b> |
| B10805511000 | M10      | 1.5       | 100      | 20       | 10       | 8                | 9.35           | <b>4.606,41</b> |
| B10805511200 | M12      | 1.75      | 110      | 24       | 12       | 9                | 11.25          | <b>5.836,35</b> |

**DIN-376**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | Matkap<br>Çapı | TL/Adet          |
|--------------|----------|-----------|----------|----------|----------|------------------|----------------|------------------|
| B10805611200 | M12      | 1.75      | 110      | 18       | 9        | 7                | 11.25          | <b>6.915,80</b>  |
| B10805611400 | M14      | 2         | 110      | 26       | 11       | 9                | 13             | <b>9.683,72</b>  |
| B10805611600 | M16      | 2         | 110      | 27       | 12       | 9                | 15             | <b>9.051,18</b>  |
| B10805611800 | M18      | 2.5       | 125      | 32       | 14       | 11               | 16.8           | <b>13.712,63</b> |
| B10805612000 | M20      | 2.5       | 140      | 32       | 16       | 12               | 18.8           | <b>15.807,17</b> |

TIN

"10"

TICN

"11"

STAR

"13"



MAKİNA TAKIM ENDÜSTRİSİ A.Ş.

**GALAKSI** OVALAMA - Yağ Kanallı



**PM**

**DIN-371**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | Matkap<br>Çapı | TL/Adet         |
|--------------|----------|-----------|----------|----------|----------|------------------|----------------|-----------------|
| B13825500300 | M 3      | 0.5       | 56       | 10       | 3.5      | 2.7              | 2.8            | <b>3.763,16</b> |
| B13825500400 | M 4      | 0.7       | 63       | 12       | 4.5      | 3.4              | 3.7            | <b>3.834,29</b> |
| B13825500500 | M 5      | 0.8       | 70       | 14       | 6        | 4.9              | 4.65           | <b>4.080,23</b> |
| B13825500600 | M 6      | 1         | 80       | 16       | 6        | 4.9              | 5.6            | <b>4.207,00</b> |
| B13825500800 | M 8      | 1.25      | 90       | 18       | 8        | 6.2              | 7.45           | <b>4.811,02</b> |
| B13825501000 | M10      | 1.5       | 100      | 20       | 10       | 8                | 9.35           | <b>5.887,65</b> |
| B13825501200 | M12      | 1.75      | 110      | 24       | 12       | 9                | 11.25          | <b>7.447,56</b> |

**DIN-376**

| Ürün kodu    | d1<br>mm | P<br>adım | L1<br>mm | L2<br>mm | d2<br>mm | a<br>(h12)<br>mm | Matkap<br>Çapı | TL/Adet          |
|--------------|----------|-----------|----------|----------|----------|------------------|----------------|------------------|
| B13825601200 | M12      | 1.75      | 110      | 18       | 9        | 7                | 11.25          | <b>8.807,47</b>  |
| B13825601400 | M14      | 2         | 110      | 26       | 11       | 9                | 13             | <b>12.331,99</b> |
| B13825601600 | M16      | 2         | 110      | 27       | 12       | 9                | 15             | <b>11.543,78</b> |
| B13825601800 | M18      | 2.5       | 125      | 32       | 14       | 11               | 16.8           | <b>17.437,27</b> |
| B13825602000 | M20      | 2.5       | 140      | 32       | 16       | 12               | 18.8           | <b>20.134,28</b> |

YÜK. PERFORMANSLI  
KILAVUZLARI

**TIN**

"10"

**TICN**

"11"

**STAR**

"13"





## PAFTALAR - VİDA TARAĞI



MAKİNA TAKİM ENDÜSTRİSİ A.Ş.



Metrik Normal Vidalı Pafta Lokması



| Ürün kodu    | d1<br>mm | P<br>adım | d2<br>(f9)<br>mm | h1<br>mm | TL/Adet  |
|--------------|----------|-----------|------------------|----------|----------|
| B00110020200 | M2       | 0,4       | 16               | 5        | 1.780,86 |
| B00110020250 | M2,5     | 0,45      | 16               | 5        | 1.737,53 |
| B00110020300 | M3       | 0,5       | 20               | 5        | 1.325,80 |
| B00110020350 | M3,5     | 0,6       | 20               | 5        | 1.550,76 |
| B00110020400 | M4       | 0,7       | 20               | 5        | 1.325,80 |
| B00110020500 | M5       | 0,8       | 20               | 7        | 1.215,96 |
| B00110020600 | M6       | 1         | 20               | 7        | 1.215,96 |
| B00110020700 | M7       | 1         | 25               | 9        | 1.696,45 |
| B00110020800 | M8       | 1,25      | 25               | 9        | 1.425,79 |
| B00110020900 | M9       | 1,25      | 25               | 9        | 1.849,33 |
| B00110021000 | M10      | 1,5       | 30               | 11       | 1.744,65 |
| B00110021200 | M12      | 1,75      | 38               | 14       | 2.222,70 |
| B00110021400 | M14      | 2         | 38               | 14       | 2.559,39 |
| B00110021600 | M16      | 2         | 45               | 18       | 3.613,65 |
| B00110021800 | M18      | 2,5       | 45               | 18       | 3.645,76 |
| B00110022000 | M20      | 2,5       | 45               | 18       | 3.645,76 |
| B00110022200 | M22      | 2,5       | 55               | 22       | 5.374,11 |
| B00110022400 | M24      | 3         | 55               | 22       | 5.374,11 |
| B00110022700 | M27      | 3         | 65               | 25       | 8.334,10 |
| B00110023000 | M30      | 3,5       | 65               | 25       | 8.767,35 |
| 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.



MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

### Metrik İnce Vidalı Pafta Lokması



| Ürün kodu    | d1<br>mm | P<br>adım | d2<br>(f9)<br>mm | h1<br>mm | TL/Adet   |
|--------------|----------|-----------|------------------|----------|-----------|
| B00110030604 | M 6      | 0,75      | 20               | 7        | 1.877,83  |
| B00110030805 | M 8      | 1         | 25               | 9        | 1.983,62  |
| B00110031005 | M 10     | 1         | 30               | 11       | 2.530,00  |
| B00110031000 | M 10     | 1,25      | 30               | 11       | 2.566,28  |
| B00110031205 | M 12     | 1         | 38               | 10       | 3.028,77  |
| B00110031200 | M 12     | 1,25      | 38               | 10       | 3.441,72  |
| B00110031206 | M 12     | 1,5       | 38               | 10       | 2.974,97  |
| B00110031405 | M 14     | 1         | 38               | 10       | 3.233,86  |
| B00110031400 | M 14     | 1,25      | 38               | 10       | 3.475,51  |
| B00110031406 | M 14     | 1,5       | 38               | 10       | 3.322,44  |
| B00110031605 | M 16     | 1         | 45               | 14       | 4.671,95  |
| B00110031606 | M 16     | 1,5       | 45               | 14       | 4.829,23  |
| B00110031806 | M 18     | 1,5       | 45               | 14       | 4.919,83  |
| B00110032006 | M 20     | 1,5       | 45               | 14       | 4.964,85  |
| B00110032206 | M 22     | 1,5       | 55               | 16       | 6.612,82  |
| B00110032406 | M 24     | 1,5       | 55               | 16       | 6.725,25  |
| B00110033006 | M 30     | 1,5       | 65               | 18       | 10.200,38 |

PAFTALAR  
VIDA TARAĞI

Siparişlerinize Termin Verilecektir.



MAKINA TAKIM ENDÜSTRİSİ A.Ş.

### Whitworth Normal Vidalı Pafta Lokması



| Ürün kodu    | d1<br>BSW | P<br>adım<br>G/Inch | d2<br>(f9)<br>mm | h1<br>mm | TL/Adet  |
|--------------|-----------|---------------------|------------------|----------|----------|
| B00110040317 | W 1/8"    | 40                  | 20               | 5        | 1.900,76 |
| B00110040397 | W 5/32"   | 32                  | 20               | 7        | 1.860,02 |
| B00110040476 | W 3/16"   | 24                  | 20               | 7        | 1.932,00 |
| B00110040635 | W 1/4"    | 20                  | 20               | 7        | 1.900,76 |
| B00110040794 | W 5/16"   | 18                  | 25               | 9        | 2.015,50 |
| B00110040952 | W 3/8"    | 16                  | 30               | 11       | 2.399,06 |
| B00110041111 | W 7/16"   | 14                  | 30               | 11       | 2.636,14 |
| B00110041270 | W 1/2"    | 12                  | 38               | 14       | 3.006,17 |
| B00110041429 | W 9/16"   | 12                  | 38               | 14       | 3.482,36 |
| B00110041587 | W 5/8"    | 11                  | 45               | 18       | 4.064,52 |
| B00110041905 | W 3/4"    | 10                  | 45               | 18       | 4.874,73 |
| B00110042222 | W 7/8"    | 9                   | 55               | 22       | 7.040,86 |
| B00110042540 | W 1"      | 8                   | 55               | 22       | 7.492,39 |

Siparişlerinize Termin Verilecektir.



MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

### Whitworth Boru Vidalı Pafta Lokması



| Ürün kodu    | d1<br>BSP | P<br>adım<br>G/Inch | d2<br>(f9)<br>mm | h1<br>mm | TL/Adet         |
|--------------|-----------|---------------------|------------------|----------|-----------------|
| B00110080973 | G 1/8"    | 28                  | 30               | 11       | <b>3.044,66</b> |
| B00110081316 | G 1/4"    | 19                  | 38               | 10       | <b>3.174,36</b> |
| B00110081666 | G 3/8"    | 19                  | 45               | 14       | <b>4.472,76</b> |
| B00110082095 | G 1/2"    | 14                  | 45               | 14       | <b>4.472,76</b> |
| B00110082644 | G 3/4"    | 14                  | 55               | 16       | <b>7.218,77</b> |
| B00110083325 | G 1"      | 11                  | 65               | 18       | <b>9.496,01</b> |

PAFTALAR  
VIDA TARAĞI



USA Normal Vidalı Pafta Lokması - UNC



| Ürün kodu    | d1<br>UNC | P<br>adım<br>G/Inch | d2<br>(f9)<br>mm | h1<br>mm | TL/Adet  |
|--------------|-----------|---------------------|------------------|----------|----------|
| B00110060635 | 1/4"      | 20                  | 20               | 7        | 1.954,51 |
| B00110060794 | 5/16"     | 18                  | 25               | 9        | 2.078,54 |
| B00110060952 | 3/8"      | 16                  | 30               | 11       | 2.620,41 |
| B00110061111 | 7/16"     | 14                  | 30               | 11       | 2.620,41 |
| B00110061270 | 1/2"      | 13                  | 38               | 14       | 2.942,81 |
| B00110061429 | 9/16"     | 12                  | 38               | 14       | 3.363,11 |
| B00110061587 | 5/8"      | 11                  | 45               | 18       | 4.094,05 |
| B00110061905 | 3/4"      | 10                  | 45               | 18       | 4.603,82 |
| B00110062222 | 7/8"      | 9                   | 55               | 22       | 6.860,53 |
| B00110062540 | 1"        | 8                   | 55               | 22       | 7.289,77 |

Siparişlerinize Termin Verilecektir.



USA İnce Vidalı Pafta Lokması - UNF



| Ürün kodu    | d1<br>UNF | P<br>adım<br>G/Inch | d2<br>(f9)<br>mm | h1<br>mm | TL/Adet  |
|--------------|-----------|---------------------|------------------|----------|----------|
| B00110070635 | 1/4"      | 28                  | 20               | 7        | 2.056,17 |
| B00110070794 | 5/16"     | 24                  | 25               | 9        | 2.184,88 |
| B00110070952 | 3/8"      | 24                  | 30               | 11       | 2.758,20 |
| B00110071111 | 7/16"     | 20                  | 30               | 11       | 2.758,20 |
| B00110071270 | 1/2"      | 20                  | 38               | 10       | 3.083,04 |
| B00110071429 | 9/16"     | 18                  | 38               | 10       | 3.525,44 |
| B00110071587 | 5/8"      | 18                  | 45               | 14       | 4.297,19 |
| B00110071905 | 3/4"      | 16                  | 45               | 14       | 4.829,23 |
| B00110072222 | 7/8"      | 14                  | 55               | 16       | 7.199,24 |
| B00110072540 | 1"        | 12                  | 55               | 16       | 7.650,78 |



MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

### NPT 1/16 Konik Vidalı Pafta Lokması



| Ürün kodu    | d1<br>NPT | P<br>adım<br>G/Inch | d2<br>(f9)<br>mm | h1<br>mm | TL/Adet   |
|--------------|-----------|---------------------|------------------|----------|-----------|
| B00110090136 | 1/8"      | 27                  | 30               | 11       | 5.055,31  |
| B00110090137 | 1/4"      | 18                  | 38               | 14       | 5.687,05  |
| B00110090138 | 3/8"      | 18                  | 45               | 18       | 7.356,84  |
| B00110090139 | 1/2"      | 14                  | 45               | 18       | 11.351,55 |
| B00110090140 | 3/4"      | 14                  | 55               | 22       | 11.351,55 |
| B00110090141 | 1"        | 11 1/2              | 65               | 25       | 15.255,51 |



RAYBALAR

RAYBALAR



MAKINA TAKIM ENDÜSTRİSİ A.Ş.



Silindirik Saplı El Raybası



| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>mm | k<br>mm | TL/Adet  |
|--------------|----------|----------|----------|---------|----------|
| B00301010200 | 2,0      | 50       | 25       | 1,60    | 1.653,55 |
| B00301010250 | 2,5      | 58       | 29       | 2,10    | 1.673,66 |
| B00301010300 | 3,0      | 62       | 31       | 2,24    | 1.675,36 |
| B00301010350 | 3,5      | 71       | 35       | 2,70    | 1.708,02 |
| B00301010400 | 4,0      | 76       | 38       | 3,15    | 1.617,47 |
| B00301010450 | 4,5      | 81       | 41       | 3,55    | 1.913,61 |
| B00301010500 | 5,0      | 87       | 44       | 4,00    | 1.867,40 |
| B00301010550 | 5,5      | 93       | 47       | 4,50    | 1.984,10 |
| B00301010600 | 6,0      | 93       | 47       | 4,50    | 1.790,71 |
| B00301010650 | 6,5      | 100      | 50       | 5,00    | 1.984,10 |
| B00301010700 | 7,0      | 107      | 54       | 5,60    | 1.966,30 |
| B00301010750 | 7,5      | 107      | 54       | 5,60    | 2.069,02 |
| B00301010800 | 8,0      | 115      | 58       | 6,30    | 2.042,62 |
| B00301010850 | 8,5      | 115      | 58       | 6,30    | 2.260,29 |
| B00301010900 | 9,0      | 124      | 62       | 7,10    | 2.286,93 |
| B00301010950 | 9,5      | 124      | 62       | 7,10    | 2.286,93 |
| B00301011000 | 10,0     | 133      | 66       | 8,00    | 2.286,93 |
| B00301011050 | 10,5     | 133      | 66       | 8,00    | 2.641,44 |
| B00301011100 | 11,0     | 142      | 71       | 9,00    | 2.595,21 |
| B00301011150 | 11,5     | 142      | 71       | 9,00    | 2.792,95 |
| B00301011200 | 12,0     | 152      | 76       | 10,00   | 2.740,22 |
| B00301011250 | 12,5     | 152      | 76       | 10,00   | 4.004,28 |
| B00301011300 | 13,0     | 152      | 76       | 10,00   | 4.234,08 |
| B00301011350 | 13,5     | 163      | 81       | 11,20   | 4.778,49 |
| B00301011400 | 14,0     | 163      | 81       | 11,20   | 4.657,73 |
| B00301011450 | 14,5     | 163      | 81       | 11,20   | 5.000,53 |
| B00301011500 | 15,0     | 163      | 81       | 11,20   | 4.960,25 |
| B00301011550 | 15,5     | 175      | 87       | 12,50   | 5.440,48 |
| B00301011600 | 16,0     | 175      | 87       | 12,50   | 5.182,09 |
| B00301011650 | 16,5     | 175      | 87       | 12,50   | 5.544,84 |
| B00301011700 | 17,0     | 175      | 87       | 12,50   | 5.403,73 |
| B00301011750 | 17,5     | 188      | 93       | 14,00   | 5.809,19 |
| B00301011800 | 18,0     | 188      | 93       | 14,00   | 5.988,90 |
| B00301011850 | 18,5     | 188      | 93       | 14,00   | 6.851,64 |
| B00301011900 | 19,0     | 188      | 93       | 14,00   | 6.525,43 |
| B00301011950 | 19,5     | 201      | 100      | 16,00   | 6.982,64 |
| B00301012000 | 20,0     | 201      | 100      | 16,00   | 6.291,15 |

Siparişlerinize Termin Verilecektir.

Devamı sayfa 151'dedir

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



MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

### Silindirik Saplı El Raybası



| Ürün kodu    | d1<br>mm | L1<br>mm | L2<br>mm | k<br>mm | TL/Adet  |
|--------------|----------|----------|----------|---------|----------|
| B00301012100 | 21,0     | 201      | 100      | 16,00   | *        |
| B00301012200 | 22,0     | 215      | 107      | 18,00   | 7.457,15 |
| B00301012300 | 23,0     | 215      | 107      | 18,00   | *        |
| B00301012400 | 24,0     | 231      | 115      | 20,00   | 8.505,00 |
| B00301012500 | 25,0     | 231      | 115      | 20,00   | *        |
| B00301012600 | 26,0     | 231      | 115      | 20,00   | 9.388,52 |
| 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   | *        |

RAYBALAR

■ Siparişlerinize Termin, Min. Adet ve Fiyat Verilecektir.

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



Silindirik Saplı Makina Raybası



| Ürün kodu    | d1<br>mm | d2<br>(h9)<br>mm | L1<br>mm | L2<br>mm | TL/Adet  |
|--------------|----------|------------------|----------|----------|----------|
| B00303010200 | 2        | 2                | 49       | 11       | 1.457,22 |
| B00303010250 | 2.5      | 2.5              | 57       | 14       | 1.457,22 |
| B00303010300 | 3        | 3                | 61       | 15       | 1.393,29 |
| B00303010350 | 3.5      | 3.5              | 70       | 18       | 1.437,98 |
| B00303010400 | 4        | 4                | 75       | 19       | 1.528,50 |
| B00303010450 | 4.5      | 4.5              | 80       | 21       | 1.636,60 |
| B00303010500 | 5        | 5                | 86       | 23       | 1.578,70 |
| B00303010550 | 5.5      | 5.6              | 93       | 26       | 1.885,92 |
| B00303010600 | 6        | 5.6              | 93       | 26       | 1.677,38 |
| B00303010650 | 6.5      | 6.3              | 101      | 28       | 1.982,79 |
| B00303010700 | 7        | 7.1              | 109      | 31       | 2.013,87 |
| B00303010750 | 7.5      | 7.1              | 109      | 31       | 2.071,68 |
| B00303010800 | 8        | 8                | 117      | 33       | 2.073,72 |
| B00303010850 | 8.5      | 8                | 117      | 33       | 2.181,90 |
| B00303010900 | 9        | 9                | 125      | 36       | 2.181,90 |
| B00303010950 | 9.5      | 9                | 125      | 36       | 2.477,37 |
| B00303011000 | 10       | 10               | 133      | 38       | 2.431,03 |
| B00303011050 | 10.5     | 10               | 133      | 38       | 2.676,61 |
| B00303011100 | 11       | 10               | 142      | 41       | 3.167,15 |
| B00303011150 | 11.5     | 10               | 142      | 41       | 3.372,00 |
| B00303011200 | 12       | 10               | 151      | 44       | 3.578,76 |
| B00303011250 | 12.5     | 10               | 151      | 44       | 3.838,04 |
| B00303011300 | 13       | 10               | 151      | 44       | 4.154,73 |
| B00303011350 | 13.5     | 12.5             | 160      | 47       | 4.386,39 |
| B00303011400 | 14       | 12.5             | 160      | 47       | 4.347,92 |
| B00303011450 | 14.5     | 12.5             | 162      | 50       | 4.483,08 |
| B00303011500 | 15       | 12.5             | 162      | 50       | 4.483,08 |
| B00303011550 | 15.5     | 12.5             | 170      | 52       | 4.695,83 |
| B00303011600 | 16       | 12.5             | 170      | 52       | 4.637,51 |
| B00303011650 | 16.5     | 14               | 175      | 54       | 4.985,25 |
| B00303011700 | 17       | 14               | 175      | 54       | 5.198,08 |
| B00303011750 | 17.5     | 14               | 182      | 56       | 5.719,99 |
| B00303011800 | 18       | 14               | 182      | 56       | 5.661,83 |
| B00303011850 | 18.5     | 16               | 189      | 58       | 6.048,15 |
| B00303011900 | 19       | 16               | 189      | 58       | 6.395,92 |
| B00303012000 | 20       | 16               | 195      | 60       | 6.357,62 |
| 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.



**MAKİNA TAKİM ENDÜSTRİSİ A.Ş.**

**Silindirik Saplı Makina Raybası HSS-E**



| Ürün kodu    | d1<br>mm | d2<br>(h9)<br>mm | L1<br>mm | L2<br>mm | TL/Adet  |
|--------------|----------|------------------|----------|----------|----------|
| B00353010200 | 2        | 2                | 49       | 11       | 1.877,57 |
| B00353010250 | 2,5      | 2,5              | 57       | 14       | 1.877,57 |
| B00353010300 | 3        | 3                | 61       | 15       | 1.795,62 |
| B00353010350 | 3,5      | 3,5              | 70       | 18       | 1.816,23 |
| B00353010400 | 4        | 4                | 75       | 19       | 1.970,19 |
| B00353010450 | 4,5      | 4,5              | 80       | 21       | 2.068,05 |
| B00353010500 | 5        | 5                | 86       | 23       | 2.034,98 |
| B00353010550 | 5,5      | 5,6              | 93       | 26       | 2.382,82 |
| B00353010600 | 6        | 5,6              | 93       | 26       | 2.161,73 |
| B00353010650 | 6,5      | 6,3              | 101      | 28       | 2.504,91 |
| B00353010700 | 7        | 7,1              | 109      | 31       | 2.544,15 |
| B00353010750 | 7,5      | 7,1              | 109      | 31       | 2.617,35 |
| B00353010800 | 8        | 8                | 117      | 33       | 2.672,47 |
| B00353010850 | 8,5      | 8                | 117      | 33       | 2.756,66 |
| B00353010900 | 9        | 9                | 125      | 36       | 2.756,66 |
| B00353010950 | 9,5      | 9                | 125      | 36       | 3.130,15 |
| B00353011000 | 10       | 10               | 133      | 38       | 3.132,94 |
| B00353011050 | 10,5     | 10               | 133      | 38       | 3.381,49 |
| B00353011100 | 11       | 10               | 142      | 41       | 4.001,75 |
| B00353011150 | 11,5     | 10               | 142      | 41       | 4.260,40 |
| B00353011200 | 12       | 10               | 151      | 44       | 4.612,47 |
| B00353011250 | 12,5     | 10               | 151      | 44       | 4.848,62 |
| B00353011300 | 13       | 10               | 151      | 44       | 5.248,97 |
| B00353011350 | 13,5     | 12,5             | 160      | 47       | 5.542,30 |
| B00353011400 | 14       | 12,5             | 160      | 47       | 5.603,33 |
| B00353011450 | 14,5     | 12,5             | 162      | 50       | 5.663,85 |
| B00353011500 | 15       | 12,5             | 162      | 50       | 5.663,85 |
| B00353011550 | 15,5     | 12,5             | 170      | 52       | 5.932,93 |
| B00353011600 | 16       | 12,5             | 170      | 52       | 5.976,57 |
| B00353011650 | 16,5     | 14               | 175      | 54       | 6.298,79 |
| B00353011700 | 17       | 14               | 175      | 54       | 6.567,33 |
| B00353011750 | 17,5     | 14               | 182      | 56       | 7.226,58 |
| B00353011800 | 18       | 14               | 182      | 56       | 7.296,37 |
| B00353011850 | 18,5     | 16               | 189      | 58       | 7.641,63 |
| B00353011900 | 19       | 16               | 189      | 58       | 8.080,91 |
| B00353012000 | 20       | 16               | 195      | 60       | 8.193,08 |
| 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.**

RAYBALAR



MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

### Mors Konik Saplı Makina Raybası



| Ürün kodu    | d1 mm | L1 mm | L2 mm | Mors Konik No | TL/Adet   |
|--------------|-------|-------|-------|---------------|-----------|
| B00302010800 | 8     | 156   | 33    | 1             | 3.594,98  |
| B00302011000 | 10    | 168   | 38    | 1             | 3.594,98  |
| B00302011100 | 11    | 175   | 41    | 1             | 3.997,23  |
| B00302011200 | 12    | 182   | 44    | 1             | 3.918,32  |
| B00302011300 | 13    | 182   | 44    | 1             | 4.291,78  |
| B00302011400 | 14    | 189   | 47    | 1             | 4.351,31  |
| B00302011500 | 15    | 204   | 50    | 2             | 5.296,10  |
| B00302011600 | 16    | 210   | 52    | 2             | 5.355,20  |
| B00302011700 | 17    | 214   | 54    | 2             | 5.768,39  |
| B00302011800 | 18    | 219   | 56    | 2             | 6.005,17  |
| B00302011900 | 19    | 223   | 58    | 2             | 6.359,54  |
| B00302012000 | 20    | 228   | 60    | 2             | 6.359,54  |
| B00302012100 | 21    | 232   | 62    | 2             | *         |
| B00302012200 | 22    | 237   | 64    | 2             | 7.166,14  |
| B00302012300 | 23    | 241   | 66    | 2             | *         |
| B00302012400 | 24    | 268   | 68    | 3             | 8.347,41  |
| B00302012500 | 25    | 268   | 68    | 3             | 8.701,75  |
| B00302012600 | 26    | 273   | 70    | 3             | *         |
| B00302012700 | 27    | 277   | 71    | 3             | *         |
| B00302012800 | 28    | 277   | 71    | 3             | 10.217,80 |
| B00302012900 | 29    | 281   | 73    | 3             | *         |
| B00302013000 | 30    | 281   | 73    | 3             | 10.572,46 |
| B00302013200 | 32    | 317   | 77    | 4             | 13.820,87 |
| 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), TİN KAPLAMALI VE FARKLI TOLERANSLARDA ÜRETİLEBİLİR.**



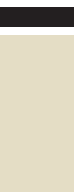
1/50 Konik Pim Deliği Raybası



| Ürün kodu    | d1<br>mm | d2<br>mm | d3<br>mm | L1<br>mm | L2<br>mm | L3<br>mm | k<br>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    | 2.033,86 |
| B00300010350 | 3,5      | 3,4      | 4,66     | 87       | 63       | 5        | 3,40    | *        |
| B00300010400 | 4,0      | 3,9      | 5,26     | 93       | 68       | 5        | 3,80    | 2.181,42 |
| B00300010450 | 4,5      | 4,4      | 5,80     | 97       | 70       | 5        | 4,30    | *        |
| B00300010500 | 5,0      | 4,9      | 6,36     | 100      | 73       | 5        | 4,90    | 2.368,31 |
| B00300010550 | 5,5      | 5,4      | 7,18     | 118      | 89       | 5        | 6,20    | *        |
| B00300010600 | 6,0      | 5,9      | 8,00     | 135      | 105      | 5        | 6,20    | 2.801,80 |
| 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    | 4.331,23 |
| B00300011000 | 10,0     | 9,9      | 13,40    | 215      | 175      | 5        | 10,00   | 6.142,49 |
| 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.





FREZELER

## FREZELER



MAKINA TAKIM ENDÜSTRİSİ A.Ş.



Silindirik Saplı Parmak Freze - Kısa BN

HSS-E  
(%8 Co)

DIN  
844

TS  
303/20

BN

js14



| Ürün kodu    | d1<br>mm | d2<br>mm | L1<br>mm | L2<br>mm | Z<br>kanal<br>sayısı | TL/Adet  |
|--------------|----------|----------|----------|----------|----------------------|----------|
| B00276180200 | 2,0      | 6        | 51       | 7        | 3                    | 1.112,39 |
| B00276180250 | 2,5      | 6        | 52       | 8        | 3                    | 1.183,53 |
| B00276180300 | 3,0      | 6        | 52       | 8        | 3                    | 797,37   |
| B00276180350 | 3,5      | 6        | 54       | 10       | 3                    | 906,60   |
| B00276180400 | 4,0      | 6        | 55       | 11       | 4                    | 797,37   |
| B00276180450 | 4,5      | 6        | 55       | 11       | 4                    | 989,07   |
| B00276180500 | 5,0      | 6        | 57       | 13       | 4                    | 797,37   |
| B00276180550 | 5,5      | 6        | 57       | 13       | 4                    | 1.038,11 |
| B00276180600 | 6,0      | 6        | 57       | 13       | 4                    | 810,95   |
| B00276180650 | 6,5      | 10       | 66       | 16       | 4                    | 1.183,53 |
| B00276180700 | 7,0      | 10       | 66       | 16       | 4                    | 1.046,74 |
| B00276180750 | 7,5      | 10       | 66       | 16       | 4                    | 1.242,47 |
| B00276180800 | 8,0      | 10       | 69       | 19       | 4                    | 1.046,74 |
| B00276180850 | 8,5      | 10       | 69       | 19       | 4                    | 1.410,47 |
| B00276180900 | 9,0      | 10       | 69       | 19       | 4                    | 1.245,86 |
| B00276180950 | 9,5      | 10       | 69       | 19       | 4                    | 1.471,60 |
| B00276181000 | 10,0     | 10       | 72       | 22       | 4                    | 1.164,36 |
| B00276181050 | 10,5     | 12       | 79       | 22       | 4                    | 1.776,19 |
| B00276181100 | 11,0     | 12       | 79       | 22       | 4                    | 1.547,71 |
| B00276181150 | 11,5     | 12       | 79       | 22       | 4                    | 1.947,31 |
| B00276181200 | 12,0     | 12       | 83       | 26       | 4                    | 1.486,36 |
| B00276181250 | 12,5     | 12       | 83       | 26       | 4                    | 2.092,16 |
| B00276181300 | 13,0     | 12       | 83       | 26       | 4                    | 1.916,42 |
| B00276181400 | 14,0     | 12       | 83       | 26       | 4                    | 2.029,90 |
| B00276181500 | 15,0     | 12       | 83       | 26       | 4                    | 2.356,04 |
| B00276181600 | 16,0     | 16       | 92       | 32       | 4                    | 2.356,04 |
| B00276181700 | 17,0     | 16       | 92       | 32       | 4                    | 2.942,57 |
| B00276181800 | 18,0     | 16       | 92       | 32       | 4                    | 2.781,53 |
| B00276181900 | 19,0     | 16       | 92       | 32       | 4                    | 3.599,73 |
| B00276182000 | 20,0     | 20       | 104      | 38       | 4                    | 3.490,89 |
| B00257182100 | 21,0     | 20       | 104      | 38       | 5                    | 4.598,38 |
| B00257182200 | 22,0     | 20       | 104      | 38       | 5                    | 4.620,93 |
| B00257182300 | 23,0     | 20       | 104      | 38       | 5                    | 6.138,59 |
| B00257182400 | 24,0     | 25       | 121      | 45       | 5                    | 6.138,59 |
| B00257182500 | 25,0     | 25       | 121      | 45       | 5                    | 6.138,59 |

Siparişlerinize Termin Verilecektir.

Devamı sayfa 159'dadır

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



Silindirik Saplı Parmak Freze - Kısa BN



| Ürün kodu    | d1<br>mm | d2<br>mm | L1<br>mm | L2<br>mm | Z<br>kanal<br>sayısı | TL/Adet   |
|--------------|----------|----------|----------|----------|----------------------|-----------|
| B00257182600 | 26,0     | 25       | 121      | 45       | 5                    | 7.497,90  |
| B00257182700 | 27,0     | 25       | 121      | 45       | 5                    | 7.860,21  |
| B00257182800 | 28,0     | 25       | 121      | 45       | 5                    | 7.860,21  |
| B00257182900 | 29,0     | 25       | 121      | 45       | 5                    | 8.516,89  |
| B00257183000 | 30,0     | 25       | 121      | 45       | 5                    | 8.336,00  |
| B00257183200 | 32,0     | 32       | 133      | 53       | 6                    | 9.105,61  |
| B00257183300 | 33,0     | 32       | 133      | 53       | 6                    | 9.651,51  |
| B00257183400 | 34,0     | 32       | 133      | 53       | 6                    | 10.000,76 |
| B00257183500 | 35,0     | 32       | 133      | 53       | 6                    | 10.611,62 |
| B00257183600 | 36,0     | 32       | 133      | 53       | 6                    | 11.114,38 |
| B00257183800 | 38,0     | 40       | 155      | 63       | 6                    | 11.861,61 |
| B00257184000 | 40,0     | 40       | 155      | 63       | 6                    | 12.620,57 |

Siparişlerinize Termin Verilecektir.

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



MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

### Silindirik Saplı Parmak Freze - Uzun BN



| Ürün kodu    | d1<br>mm | d2<br>mm | L1<br>mm | L2<br>mm | Z<br>kanal<br>sayısı | TL/Adet   |
|--------------|----------|----------|----------|----------|----------------------|-----------|
| B00276220200 | 2        | 6        | 54       | 10       | 3                    | 1.445,45  |
| B00276220250 | 2.5      | 6        | 56       | 12       | 3                    | 1.483,71  |
| B00276220300 | 3        | 6        | 56       | 12       | 3                    | 1.033,29  |
| B00276220400 | 4        | 6        | 63       | 19       | 4                    | 1.033,29  |
| B00276220500 | 5        | 6        | 68       | 24       | 4                    | 1.033,29  |
| B00276220600 | 6        | 6        | 68       | 24       | 4                    | 1.053,41  |
| B00276220700 | 7        | 10       | 80       | 30       | 4                    | 1.357,12  |
| B00276220800 | 8        | 10       | 88       | 38       | 4                    | 1.352,05  |
| B00276220900 | 9        | 10       | 88       | 38       | 4                    | 1.620,08  |
| B00276221000 | 10       | 10       | 95       | 45       | 4                    | 1.515,68  |
| B00276221100 | 11       | 12       | 102      | 45       | 4                    | 2.009,11  |
| B00276221200 | 12       | 12       | 110      | 53       | 4                    | 1.932,22  |
| B00276221300 | 13       | 12       | 110      | 53       | 4                    | 2.408,14  |
| B00276221400 | 14       | 12       | 110      | 53       | 4                    | 2.575,56  |
| B00276221500 | 15       | 12       | 110      | 53       | 4                    | 3.060,19  |
| B00276221600 | 16       | 16       | 123      | 63       | 4                    | 3.060,19  |
| B00276221700 | 17       | 16       | 123      | 63       | 4                    | 3.825,14  |
| B00276221800 | 18       | 16       | 123      | 63       | 4                    | 3.610,69  |
| B00276221900 | 19       | 16       | 123      | 63       | 4                    | 4.676,35  |
| B00276222000 | 20       | 20       | 141      | 75       | 4                    | 4.553,48  |
| B00257222200 | 22       | 20       | 141      | 75       | 5                    | 6.002,81  |
| B00257222400 | 24       | 25       | 166      | 90       | 5                    | 7.973,40  |
| B00257222500 | 25       | 25       | 166      | 90       | 5                    | 7.973,40  |
| B00257222600 | 26       | 25       | 166      | 90       | 5                    | 9.740,68  |
| B00257222800 | 28       | 25       | 166      | 90       | 5                    | 10.216,32 |
| B00257223000 | 30       | 25       | 166      | 90       | 5                    | 10.827,09 |
| B00257223200 | 32       | 32       | 186      | 106      | 6                    | 12.277,01 |
| 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 BNR



| Ürün kodu    | d1<br>mm | d2<br>mm | L1<br>mm | L2<br>mm | Z<br>kanal<br>sayısı | TL/Adet   |
|--------------|----------|----------|----------|----------|----------------------|-----------|
| B00277330800 | 8,0      | 10       | 69       | 19       | 4                    | 1.949,30  |
| B00277331000 | 10,0     | 10       | 72       | 22       | 4                    | 2.183,33  |
| B00277331200 | 12,0     | 12       | 83       | 26       | 4                    | 2.786,61  |
| B00277331400 | 14,0     | 12       | 83       | 26       | 4                    | 3.713,94  |
| B00277331600 | 16,0     | 16       | 92       | 32       | 4                    | 4.413,44  |
| B00277331800 | 18,0     | 16       | 92       | 32       | 4                    | 5.234,18  |
| B00277332000 | 20,0     | 20       | 104      | 38       | 4                    | 6.536,60  |
| B00273332200 | 22,0     | 20       | 104      | 38       | 5                    | 8.639,29  |
| B00273332400 | 24,0     | 25       | 121      | 45       | 5                    | 11.473,14 |
| B00273332500 | 25,0     | 25       | 121      | 45       | 5                    | 11.473,14 |
| B00273332600 | 26,0     | 25       | 121      | 45       | 5                    | 14.033,71 |
| B00273332800 | 28,0     | 25       | 121      | 45       | 5                    | 14.718,74 |
| B00273333000 | 30,0     | 25       | 121      | 45       | 5                    | 15.610,19 |
| B00273333200 | 32,0     | 32       | 133      | 53       | 6                    | 17.690,39 |

Siparişlerinize Termin Verilecektir.

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

### Silindirik Saplı Parmak Freze - Uzun BNR



| Ürün kodu    | d1<br>mm | d2<br>mm | L1<br>mm | L2<br>mm | Z<br>kanal<br>sayısı | TL/Adet   |
|--------------|----------|----------|----------|----------|----------------------|-----------|
| B00277390800 | 8        | 10       | 88       | 38       | 4                    | 2.535,04  |
| B00277391000 | 10       | 10       | 95       | 45       | 4                    | 2.833,85  |
| B00277391200 | 12       | 12       | 110      | 53       | 4                    | 3.620,21  |
| B00277391400 | 14       | 12       | 110      | 53       | 4                    | 4.845,53  |
| B00277391600 | 16       | 16       | 123      | 63       | 4                    | 5.759,51  |
| B00277391800 | 18       | 16       | 123      | 63       | 4                    | 6.788,54  |
| B00277392000 | 20       | 20       | 141      | 75       | 4                    | 8.502,04  |
| B00273392200 | 22       | 20       | 141      | 75       | 5                    | 11.222,23 |
| B00273392400 | 24       | 25       | 166      | 90       | 5                    | 14.924,70 |
| B00273392500 | 25       | 25       | 166      | 90       | 5                    | 14.924,70 |
| B00273392600 | 26       | 25       | 166      | 90       | 5                    | 18.238,72 |
| B00273392800 | 28       | 25       | 166      | 90       | 5                    | 19.152,44 |
| B00273393000 | 30       | 25       | 166      | 90       | 5                    | 20.295,67 |
| B00273393200 | 32       | 32       | 186      | 106      | 6                    | 22.992,21 |

Siparişlerinize Termin Verilecektir.

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



### Silindirik Saplı Delik Freze



| Ürün kodu    | d1<br>mm | d2<br>mm | L1<br>mm | L2<br>mm | Z<br>kanal<br>sayısı | TL/Adet  |
|--------------|----------|----------|----------|----------|----------------------|----------|
| B00278140200 | 2        | 6        | 48       | 4        | 2                    | 1.010,30 |
| B00278140250 | 2.5      | 6        | 49       | 5        | 2                    | 1.010,30 |
| B00278140300 | 3        | 6        | 49       | 5        | 2                    | 1.010,30 |
| B00278140400 | 4        | 6        | 51       | 7        | 2                    | 971,65   |
| B00278140500 | 5        | 6        | 52       | 8        | 2                    | 971,65   |
| B00278140600 | 6        | 6        | 52       | 8        | 2                    | 971,65   |
| B00278140700 | 7        | 10       | 60       | 10       | 2                    | 1.166,15 |
| B00278140800 | 8        | 10       | 61       | 11       | 2                    | 1.166,15 |
| B00278140900 | 9        | 10       | 61       | 11       | 2                    | 1.393,15 |
| B00278141000 | 10       | 10       | 63       | 13       | 2                    | 1.393,15 |
| B00278141100 | 11       | 12       | 70       | 13       | 2                    | 1.823,59 |
| B00278141200 | 12       | 12       | 73       | 16       | 2                    | 1.823,59 |
| B00278141300 | 13       | 12       | 73       | 16       | 2                    | 2.314,86 |
| B00278141400 | 14       | 12       | 73       | 16       | 2                    | 2.234,72 |
| B00278141500 | 15       | 12       | 73       | 16       | 2                    | 2.621,35 |
| B00278141600 | 16       | 16       | 79       | 19       | 2                    | 2.621,35 |
| B00278141700 | 17       | 16       | 79       | 19       | 2                    | 3.173,46 |
| B00278141800 | 18       | 16       | 79       | 19       | 2                    | 3.173,46 |
| B00278141900 | 19       | 16       | 79       | 19       | 2                    | 3.855,30 |
| B00278142000 | 20       | 20       | 88       | 22       | 2                    | 3.740,16 |

■ Siparişlerinize Termin Verilecektir.

İSTEK HALİNDE KAPLAMALI OLARAK ÜRETİLEBİLİR.



MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

### Silindirik Saplı Küresel Kalıpcı Freze - Kısa

HSS-E  
(%8 Co)

DIN  
1889/B

TS  
303/28/1

js14



| Ürün kodu    | d1<br>mm | d2<br>mm | L1<br>mm | L2<br>mm | R  | TL/Adet  |
|--------------|----------|----------|----------|----------|----|----------|
| B00272300600 | 6        | 6        | 57       | 13       | 3  | 1.772,20 |
| B00272300800 | 8        | 10       | 69       | 19       | 4  | 2.175,23 |
| B00272301000 | 10       | 10       | 72       | 22       | 5  | 2.490,88 |
| B00272301200 | 12       | 12       | 83       | 26       | 6  | 3.187,24 |
| B00272301400 | 14       | 12       | 83       | 26       | 7  | 3.508,72 |
| B00272301600 | 16       | 16       | 92       | 32       | 8  | 4.350,75 |
| B00272301800 | 18       | 16       | 92       | 32       | 9  | 5.179,78 |
| B00272302000 | 20       | 20       | 104      | 38       | 10 | 6.215,04 |

İSTEK HALİNDE KAPLAMALI OLARAK ÜRETİLEBİLİR.



MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

### Silindirik Saplı Küresel Kalıpcı Freze - Uzun

HSS-E  
(%8 Co)

DIN  
1889/B

TS  
303/28/1

js14



| Ürün kodu    | d1<br>mm | d2<br>mm | L1<br>mm | L2<br>mm | R  | TL/Adet  |
|--------------|----------|----------|----------|----------|----|----------|
| B00272500600 | 6        | 6        | 68       | 24       | 3  | 2.120,94 |
| B00272500800 | 8        | 10       | 88       | 38       | 4  | 2.607,50 |
| B00272501000 | 10       | 10       | 95       | 45       | 5  | 2.984,24 |
| B00272501200 | 12       | 12       | 110      | 53       | 6  | 3.819,87 |
| B00272501400 | 14       | 12       | 110      | 53       | 7  | 4.211,52 |
| B00272501600 | 16       | 16       | 123      | 63       | 8  | 5.223,99 |
| B00272501800 | 18       | 16       | 123      | 63       | 9  | 6.215,04 |
| B00272502000 | 20       | 20       | 141      | 75       | 10 | 7.449,37 |

Siparişlerinize Termin Verilecektir.

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



Silindirik Saplı Yarık Freze - Çapraz Dişli



| Ürün kodu    | d1<br>mm | b<br>(e8)<br>mm | d2<br>mm | L<br>mm | TL/Adet   |
|--------------|----------|-----------------|----------|---------|-----------|
| B00261220600 | 13,5     | 3               | 10       | 56      | 4.500,90  |
| B00261220700 | 13,5     | 4               | 10       | 56      | 4.500,90  |
| B00261220800 | 16,5     | 3               | 10       | 56      | 4.938,02  |
| B00261220900 | 16,5     | 4               | 10       | 56      | 4.938,02  |
| B00261221000 | 16,5     | 5               | 10       | 56      | 4.938,02  |
| B00261221100 | 19,5     | 4               | 10       | 63      | 5.323,54  |
| B00261221200 | 19,5     | 5               | 10       | 63      | 5.323,54  |
| B00261221300 | 19,5     | 6               | 10       | 63      | 5.323,54  |
| B00261221400 | 22,5     | 5               | 10       | 63      | 6.115,80  |
| B00261221500 | 22,5     | 6               | 10       | 63      | 6.115,80  |
| B00261221600 | 22,5     | 8               | 10       | 63      | 6.115,80  |
| B00261221700 | 25,5     | 6               | 10       | 63      | 7.112,55  |
| B00261221800 | 28,5     | 6               | 10       | 63      | 8.290,62  |
| B00261221900 | 28,5     | 8               | 10       | 63      | 8.290,62  |
| B00261222000 | 28,5     | 10              | 12       | 71      | 8.290,62  |
| B00261222300 | 32,5     | 8               | 12       | 71      | 10.238,25 |
| B00261222400 | 32,5     | 10              | 12       | 71      | 10.238,25 |
| B00261222600 | 45,5     | 10              | 12       | 71      | *         |



### Tek Ağızlı Alüminyum Freze



| Ürün kodu    | d1<br>mm | d2<br>(h8)<br>mm | L1<br>mm | L2<br>mm | TL/Adet  |
|--------------|----------|------------------|----------|----------|----------|
| B00276500300 | 3        | 8                | 60       | 12       | 1.102,81 |
| B00276500400 | 4        | 8                | 60       | 12       | 792,05   |
| B00276510400 | 4        | 8                | 100      | 23       | 1.102,81 |
| B00276500500 | 5        | 8                | 60       | 14       | 792,05   |
| B00276510500 | 5        | 8                | 100      | 23       | 1.102,81 |
| B00276500600 | 6        | 8                | 60       | 14       | 792,05   |
| B00276510600 | 6        | 8                | 100      | 25       | 1.102,81 |
| B00276500800 | 8        | 8                | 80       | 14       | 894,42   |
| B00276510800 | 8        | 8                | 120      | 25       | 1.297,35 |
| B00276511000 | 10       | 10               | 120      | 25       | 1.515,85 |

Siparişlerinize Termin Verilecektir.

### Tek Ağızlı Boyunlu Alüminyum Freze



| Ürün kodu    | d1<br>mm | d2<br>(h8)<br>mm | L1<br>mm | L2<br>mm | TL/Adet  |
|--------------|----------|------------------|----------|----------|----------|
| B00257520400 | 4        | 8                | 20x45    | 80       | 1.016,78 |
| B00257520500 | 5        | 8                | 20x45    | 80       | 1.016,78 |
| B00257520600 | 6        | 8                | 20x45    | 80       | 1.016,78 |



HAVŞA FREZELER

HAVŞA FREZELERİ



MAKİNA TAKİM 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    | 2.149,92 |
| B00319990647 | Nr 2 | 5-20               | 8     | 71    | 3.248,12 |
| B00319990648 | Nr 3 | 16-30,5            | 9     | 76    | 4.725,38 |
| B00319990649 | Nr 4 | 24-40              | 10    | 89    | 8.386,15 |
| B00319990650 | Nr 8 | 5-31               | 9     | 103   | 6.411,71 |

Siparişlerinize Termin Verilecektir.

İSTEK HALİNDE KAPLAMALI OLARAK ÜRETİLEBİLİR.

### Kademeli Sac Delme Matkabı

HSS

MTE

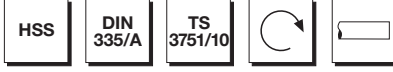


| Ürün kodu    | Nr     | Delme Ölçü Aralığı | L1 mm | d2 mm | Çap Kademe Sayısı | TL/Adet   |
|--------------|--------|--------------------|-------|-------|-------------------|-----------|
| B00314010512 | Nr 0,5 | 4-12               | 65    | 6     | 5                 | 2.964,58  |
| B00314010120 | Nr 1   | 4-20               | 75    | 8     | 9                 | 4.492,39  |
| B00314010230 | Nr 2   | 4-30               | 100   | 10    | 14                | 6.616,71  |
| B00314010539 | Nr 5   | 4-39               | 107   | 10    | 13                | 10.242,69 |

İSTEK HALİNDE KAPLAMALI OLARAK ÜRETİLEBİLİR.



### Silindirik Saplı Havşa Freze - 90°

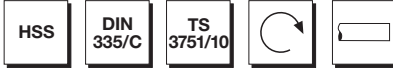


| Ürün kodu    | d1<br>mm | d2<br>mm | d3<br>mm | L1<br>mm | L2<br>mm | TL/Adet         |
|--------------|----------|----------|----------|----------|----------|-----------------|
| B00313100800 | 8,0      | 8        | -        | 48       | -        | <b>1.058,07</b> |
| B00313101250 | 12,5     | 8        | 2,0      | 48       | 16       | <b>1.538,35</b> |
| B00313101600 | 16,0     | 10       | 3,2      | 56       | 20       | <b>2.018,12</b> |
| B00313102000 | 20,0     | 10       | 5,0      | 60       | 24       | <b>2.878,54</b> |
| B00313102500 | 25,0     | 10       | 7,0      | 71       | 26       | <b>3.643,74</b> |
| B00313103150 | 31,5     | 18       | 9,0      | 90       | 30       | <b>6.372,80</b> |

Siparişlerinize Termin Verilecektir.

**İSTEK HALİNDE KAPLAMALI OLARAK ÜRETİLEBİLİR.**

### 3 Ağızlı Silindirik Saplı Havşa Freze - 90°



| Ürün kodu    | d1<br>mm | d2<br>mm | d3<br>mm | L1<br>mm | L2<br>mm | TL/Adet         |
|--------------|----------|----------|----------|----------|----------|-----------------|
| B00313120630 | 6,3      | 5,0      | 1,5      | 45       | 5,0      | <b>1.060,13</b> |
| B00313120830 | 8,3      | 6,0      | 2,0      | 50       | 6,0      | <b>1.165,78</b> |
| B00313121040 | 10,4     | 6,0      | 2,5      | 50       | 7,1      | <b>1.434,29</b> |
| B00313121240 | 12,4     | 8,0      | 2,8      | 56       | 8,0      | <b>1.527,18</b> |
| B00313121650 | 16,5     | 10,0     | 3,2      | 60       | 10,0     | <b>1.899,14</b> |
| B00313122050 | 20,5     | 10,0     | 3,5      | 63       | 12,5     | <b>2.556,91</b> |
| B00313122500 | 25,0     | 10,0     | 3,8      | 67       | 15,0     | <b>3.521,24</b> |
| B00313123150 | 31,5     | 18,0     | 4,2      | 71       | 18,0     | <b>6.121,07</b> |

**İSTEK HALİNDE KAPLAMALI OLARAK ÜRETİLEBİLİR.**

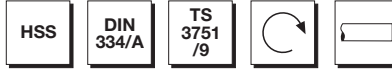


### 3 Ağızlı Silindirik Saplı Havşa Freze - 90°



| Ürün kodu    | d1<br>mm | d2<br>mm | d3<br>mm | L1<br>mm | L2<br>mm | TL/Adet  |
|--------------|----------|----------|----------|----------|----------|----------|
| B10313120630 | 6,3      | 5,0      | 1,5      | 45       | 5.0      | 1.219,34 |
| B10313120830 | 8,3      | 6,0      | 2,0      | 50       | 6.0      | 1.340,56 |
| B10313121040 | 10,4     | 6,0      | 2,5      | 50       | 7.1      | 1.649,62 |
| B10313121240 | 12,4     | 8,0      | 2,8      | 56       | 8.0      | 1.756,53 |
| B10313121650 | 16,5     | 10,0     | 3,2      | 60       | 10.0     | 2.183,72 |
| B10313122050 | 20,5     | 10,0     | 3,5      | 63       | 12.5     | 2.991,39 |
| B10313122500 | 25,0     | 10,0     | 3,8      | 67       | 15.0     | 4.225,50 |
| B10313123150 | 31.5     | 12,0     | 4,2      | 71       | 18.0     | 7.345,63 |

### Silindirik Saplı Havşa Freze - 60°

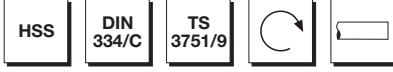


| Ürün kodu    | d1<br>mm | d2<br>mm | d3<br>mm | L1<br>mm | L2<br>mm | TL/Adet  |
|--------------|----------|----------|----------|----------|----------|----------|
| B00313000800 | 8,0      | 8        | -        | 50       | -        | 1.243,43 |
| B00313001250 | 12,5     | 8        | 2,0      | 50       | 18       | 1.799,69 |
| B00313001600 | 16,0     | 10       | 3,2      | 60       | 24       | 2.371,65 |
| B00313002000 | 20,0     | 10       | 5,0      | 63       | 27       | 3.380,32 |
| B00313002500 | 25,0     | 10       | 7,0      | 78       | 33       | 4.263,27 |



MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

### 3 Ağızlı Silindirik Saplı Havşa Freze - 60°



| Ürün kodu    | d1<br>mm | d2<br>mm | d3<br>mm | L1<br>mm | L2<br>mm | TL/Adet  |
|--------------|----------|----------|----------|----------|----------|----------|
| B00313020800 | 8,0      | 6        | 2,0      | 50       | 8,0      | 1.214,92 |
| B00313021250 | 12,5     | 8        | 3,2      | 56       | 11,2     | 1.738,96 |
| B00313021600 | 16,0     | 10       | 4,0      | 63       | 14,0     | 2.398,97 |
| B00313022000 | 20,0     | 10       | 5,0      | 67       | 17,0     | 3.103,23 |
| B00313022500 | 25,0     | 10       | 6,3      | 71       | 20,0     | 4.088,23 |

### 3 Ağızlı Silindirik Saplı Havşa Freze - 60°



| Ürün kodu    | d1<br>mm | d2<br>mm | d3<br>mm | L1<br>mm | L2<br>mm | TL/Adet  |
|--------------|----------|----------|----------|----------|----------|----------|
| B10313020800 | 8,0      | 6        | 2,0      | 50       | 8,0      | 1.397,37 |
| B10313021250 | 12,5     | 8        | 3,2      | 56       | 11,2     | 1.999,93 |
| B10313021600 | 16,0     | 10       | 4,0      | 63       | 14,0     | 2.758,94 |
| B10313022000 | 20,0     | 10       | 5,0      | 67       | 17,0     | 3.631,74 |
| B10313022500 | 25,0     | 10       | 6,3      | 71       | 20,0     | 4.906,55 |

HAVŞA FREZELER





## TORNA KALEMLERİ



MAKİNA TAKİM ENDÜSTRİSİ A.Ş.



Yuvarlak Kesitli Torna Kalemı

HSS-E  
(%10Co)

DIN  
4964/A

TS  
95/1



| Ürün kodu    | d1<br>mm | L<br>mm | TL/Adet  |
|--------------|----------|---------|----------|
| B00420004080 | 4        | 80      | 592,99   |
| B00420004100 | 4        | 100     | 643,20   |
| B00420005080 | 5        | 80      | 652,24   |
| B00420005100 | 5        | 100     | 652,24   |
| B00420006080 | 6        | 80      | 681,64   |
| B00420006100 | 6        | 100     | 681,64   |
| B00420008080 | 8        | 80      | 876,80   |
| B00420008100 | 8        | 100     | 876,80   |
| B00420008125 | 8        | 125     | 982,64   |
| B00420010080 | 10       | 80      | 1.047,91 |
| B00420010100 | 10       | 100     | 1.047,91 |
| B00420010125 | 10       | 125     | 1.283,98 |
| B00420010160 | 10       | 160     | 1.514,74 |
| B00420012100 | 12       | 100     | 1.581,50 |
| B00420012125 | 12       | 125     | 2.035,75 |
| B00420012160 | 12       | 160     | 2.487,34 |
| B00420014100 | 14       | 100     | 2.256,82 |
| B00420014125 | 14       | 125     | 2.705,78 |
| B00420014160 | 14       | 160     | 3.191,99 |
| B00420016125 | 16       | 125     | 3.610,69 |
| 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<br>mm | b<br>mm | L<br>mm | TL/Adet   |
|--------------|---------|---------|---------|-----------|
| B00400404063 | 4       | 4       | 63      | 404,73    |
| B00400404080 | 4       | 4       | 80      | 458,94    |
| B00400404100 | 4       | 4       | 100     | 493,37    |
| B00400505063 | 5       | 5       | 63      | 510,67    |
| B00400505080 | 5       | 5       | 80      | 569,21    |
| B00400505100 | 5       | 5       | 100     | 610,66    |
| B00400606063 | 6       | 6       | 63      | 468,51    |
| B00400606080 | 6       | 6       | 80      | 503,98    |
| B00400606100 | 6       | 6       | 100     | 571,53    |
| B00400606125 | 6       | 6       | 125     | 649,17    |
| B00400606160 | 6       | 6       | 160     | 779,97    |
| B00400808063 | 8       | 8       | 63      | 812,82    |
| B00400808080 | 8       | 8       | 80      | 812,82    |
| B00400808100 | 8       | 8       | 100     | 955,59    |
| B00400808125 | 8       | 8       | 125     | 1.080,46  |
| B00400808160 | 8       | 8       | 160     | 1.282,88  |
| B00400808200 | 8       | 8       | 200     | 1.837,01  |
| B00401010100 | 10      | 10      | 100     | 1.324,77  |
| B00401010125 | 10      | 10      | 125     | 1.491,59  |
| B00401010160 | 10      | 10      | 160     | 1.849,01  |
| B00401010200 | 10      | 10      | 200     | 2.348,95  |
| B00401212100 | 12      | 12      | 100     | 1.622,65  |
| B00401212125 | 12      | 12      | 125     | 1.911,38  |
| B00401212160 | 12      | 12      | 160     | 2.366,99  |
| B00401212200 | 12      | 12      | 200     | 2.890,50  |
| B00401414100 | 14      | 14      | 100     | 2.280,31  |
| B00401414125 | 14      | 14      | 125     | 2.682,31  |
| B00401414160 | 14      | 14      | 160     | 2.771,60  |
| B00401414200 | 14      | 14      | 200     | 3.453,41  |
| B00401616125 | 16      | 16      | 125     | 2.848,87  |
| B00401616160 | 16      | 16      | 160     | 3.546,13  |
| B00401616200 | 16      | 16      | 200     | 4.414,73  |
| B00401818160 | 18      | 18      | 160     | 6.164,85  |
| B00401818200 | 18      | 18      | 200     | 7.585,12  |
| B00402020160 | 20      | 20      | 160     | 5.418,19  |
| B00402020200 | 20      | 20      | 200     | 6.668,49  |
| B00402525200 | 25      | 25      | 200     | 12.443,77 |

Siparişlerinize Termin Verilecektir.



### Trapez Kesitli Torna Klemi

HSS-E  
(%10Co)

DIN  
4964/E

TS  
95/1



| Ürün kodu    | b<br>mm | h<br>mm | L<br>mm | Kenarların<br>Oranı<br>h:b | TL/Adet  |
|--------------|---------|---------|---------|----------------------------|----------|
| B00411025125 | 2,5     | 10      | 125     | 4.0:1                      | 934,20   |
| B00411025160 | 2,5     | 10      | 160     | 4.0:1                      | 1.099,68 |
| B00411230100 | 3       | 12      | 100     | 4.0:1                      | 1.007,05 |
| B00411230125 | 3       | 12      | 125     | 4.0:1                      | 1.132,33 |
| B00411230160 | 3       | 12      | 160     | 4.0:1                      | 1.460,32 |
| B00411640125 | 4       | 16      | 125     | 4.0:1                      | 1.651,76 |
| B00411640160 | 4       | 16      | 160     | 4.0:1                      | 2.051,68 |
| B00412050160 | 5       | 20      | 160     | 4.0:1                      | 2.333,81 |
| B00412050200 | 5       | 20      | 200     | 4.0:1                      | 2.800,36 |
| B00412560100 | 6       | 25      | 100     | 4.0:1                      | 2.772,65 |
| B00412560160 | 6       | 25      | 160     | 4.0:1                      | 3.926,39 |
| B00412560200 | 6       | 25      | 200     | 4.0:1                      | 4.703,72 |

Siparişlerinize Termin Verilecektir.

### Trapez Kesitli Torna Klemi

HSS-E  
(%10Co)

DIN  
4964/E

TS  
95/1



| Ürün kodu    | h<br>Inch | b<br>Inch | L<br>Inch | TL/Adet  |
|--------------|-----------|-----------|-----------|----------|
| B00460000203 | 3/8"      | 3/32"     | 4"        | 766,17   |
| B00460000207 | 1/2"      | 1/8"      | 6"        | 1.432,56 |
| B00460000210 | 5/8"      | 5/32"     | 5"        | 1.682,47 |
| B00460000211 | 5/8"      | 5/32"     | 6"        | 2.075,79 |
| B00460000214 | 3/4"      | 3/16"     | 6"        | 2.333,81 |
| B00460000217 | 7/8"      | 3/16"     | 6"        | 3.412,41 |
| B00460000218 | 7/8"      | 3/16"     | 8"        | 4.193,60 |
| B00460000220 | 1"        | 7/32"     | 6"        | 3.926,39 |
| B00460000221 | 1"        | 7/32"     | 8"        | 4.932,05 |



## TESTERELER



MAKINA TAKIM ENDÜSTRİSİ A.Ş.



MAKİNA TAKİM ENDÜSTRİSİ A.Ş.

### Metaller İçin El Testere Lamaları

WS  
KROMLU

TS  
153/3



| Ürün kodu    | L<br>mm | h<br>mm | b<br>mm | z<br>Diş Sayısı | TL/Adet      |
|--------------|---------|---------|---------|-----------------|--------------|
| B00650301138 | 300     | 13      | 0,8     | 18              | <b>48,37</b> |
| B00650301258 | 300     | 25      | 0,8     | 18              | <b>61,59</b> |

(\* Ürünlerimiz 60 Adetli Paketlerde Satılmaktadır.)



Metaller İçin Makina Testere Lamaları

HSS

TS  
153/4



| Ürün kodu    | L<br>mm | h<br>mm | b<br>mm | z<br>Diş Sayısı | TL/Adet  |
|--------------|---------|---------|---------|-----------------|----------|
| B00673030151 | 300     | 30      | 1,5     | 6               | 689,00   |
| B00673030152 | 300     | 30      | 1,5     | 8               | 689,00   |
| B00673530151 | 350     | 30      | 1,5     | 6               | 824,03   |
| B00673530152 | 350     | 30      | 1,5     | 8               | 824,03   |
| B00673530153 | 350     | 30      | 1,5     | 10              | 824,03   |
| B00674035151 | 400     | 35      | 1,5     | 6               | 1.008,58 |
| B00674035152 | 400     | 35      | 1,5     | 8               | 1.008,58 |
| B00674035153 | 400     | 35      | 1,5     | 10              | 1.008,58 |
| B00674040201 | 400     | 40      | 2       | 6               | 1.389,59 |
| B00674040202 | 400     | 40      | 2       | 8               | 1.389,59 |
| B00674535151 | 450     | 35      | 1,5     | 6               | 1.148,40 |
| B00674535152 | 450     | 35      | 1,5     | 8               | 1.148,40 |
| B00674535153 | 450     | 35      | 1,5     | 10              | 1.148,40 |
| B00674540201 | 450     | 40      | 2       | 6               | 1.571,60 |
| B00674540202 | 450     | 40      | 2       | 8               | 1.571,60 |
| B00674540203 | 450     | 40      | 2       | 10              | 1.571,60 |
| B00675040200 | 500     | 40      | 2       | 4               | 1.742,68 |
| B00675040201 | 500     | 40      | 2       | 6               | 1.742,68 |
| B00675040202 | 500     | 40      | 2       | 8               | 1.742,68 |
| B00675040203 | 500     | 40      | 2       | 10              | 1.742,68 |
| B00675050251 | 500     | 50      | 2,5     | 6               | 2.503,36 |
| B00675550251 | 550     | 50      | 2,5     | 6               | 2.924,46 |
| B00675550252 | 550     | 50      | 2,5     | 8               | 2.924,46 |
| B00676050250 | 600     | 50      | 2,5     | 4               | 3.055,46 |
| B00676050251 | 600     | 50      | 2,5     | 6               | 3.055,46 |
| B00676050252 | 600     | 50      | 2,5     | 8               | 3.055,46 |
| B00676550250 | 650     | 50      | 2,5     | 4               | 3.864,86 |
| B00676550251 | 650     | 50      | 2,5     | 6               | 3.864,86 |
| B00676550252 | 650     | 50      | 2,5     | 8               | 3.864,86 |
| B00677050250 | 700     | 50      | 2,5     | 4               | 4.790,51 |
| B00677050251 | 700     | 50      | 2,5     | 6               | 4.790,51 |
| B00677050252 | 700     | 50      | 2,5     | 8               | 4.790,51 |



**MAKİNA TAKİM ENDÜSTRİSİ A.Ş.**



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[www.makinatakim.com.tr](http://www.makinatakim.com.tr)

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