

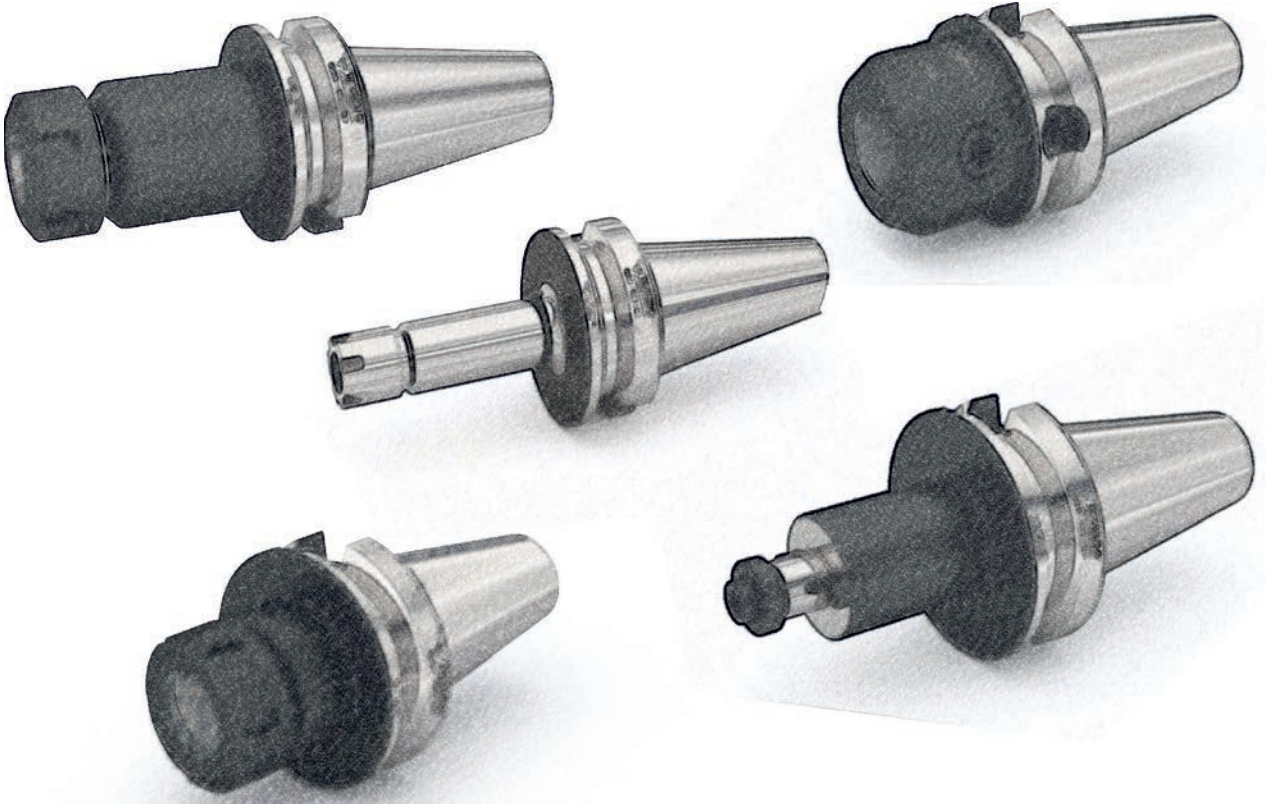


# Ürün Kataloğu

Product Catalogue

**TEKOMA®**  
HASSAS TUTUCU TAKIMLARI

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



Hassas Takım Tutucu  
İşlerinizdeki **Hassas Nokتانız**



# HAKKIMIZDA



Firmamız 2004 yılında Nail TELLİ, Namık TELLİ ve Halil TELLİ kardeşler tarafından Konya Selçuklu Sanayi Sitesinde 50 m<sup>2</sup> alanda faaliyete başlamıştır. Günümüz teknolojilerini her daim yakından takip edip gerekli AR-GE çalışmalarını yaparak daha iyi ve daha kaliteli hizmet verebilmek için büyümeye devam etmiştir.

2007-2018 yılları arasında makine parkurunu ve teknik deneyimini artırarak KONYA Büsan Özel Organize Sanayi Bölgesinde 1000 m<sup>2</sup> alanda Hassas Tutucu Takım Sistemlerinin üretimine başlamıştır.

2020 yılı itibari ile 2500 m<sup>2</sup> alanda Yüksek performanslı CNC makine parkurunda 40 kişilik uzman kadrosuyla 600 çeşidin üzerinde ürün gamıyla öncelikle Konya ve Türkiye Sanayisine Hassas Tutucu Takım Sistemleri pazarında yerini almış olup Dünya sanayisinde sektörün en iyisi olma yolunda ilerlemekteyiz .

Her geçen gün hızlı teslimat, yüksek hassasiyet ve teknik hizmet esaslı çalışmalarımızı siz kıymetli müşterilerimizin memnuniyeti için büyük bir heyecan ile sürdürmekteyiz...

TEKOMA Hassas Tutucu Takımları

## About Us

Our company started its activities in 2004 by the brothers Nail TELLİ, Namık TELLİ and Halil TELLİ in Konya Selçuklu Industrial Site on an area of 50 m<sup>2</sup>. It has continued to grow in order to provide better and higher quality service by closely following today's technologies and doing the necessary R&D studies.

Between 2007-2018, it increased its machine park and technical experience and started the production of Precision Holder Tool Systems in a 1000 m<sup>2</sup> area in KONYA Büsan Private Organized Industrial Zone.

As of 2020, it has taken its place in the Precision Holder Tool Systems market primarily for Konya and Turkey Industry with its expert staff of 40 people and a product range of over 600 types in a high-performance CNC machine park in a 2500 m<sup>2</sup> area, and we are on the way to become the best in the sector in the world industry.

With each passing day, we continue our works based on fast delivery, high precision and technical service with great excitement for the satisfaction of our valued customers...

TEKOMA Precision Holder Sets



**KALİTE YÖNETİM SİSTEMİ  
ISO 9001:2015**



**OTOMOTİV KALİTE YÖNETİM  
SİSTEMİ  
IATF 16949:2016**



**Bilgi Güvenliği Yönetim  
Sistemi  
ISO/IEC27001:2013**



**Çevre Yönetim Sistemi  
ISO 14001:2015**



**İş Sağlığı ve Güvenliği Yönetim  
Sistemi  
ISO 45001:2018**



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Yumuşak Ayak Grubu ve Hidrolik Ayna T-Somun  
Soft Jaws Group and Hydraulic Chuck T Nut

**1-8 syf.**



Hassas CNC Döner Punta Grubu  
Precision CNC Rotary Center Group

**9-13 syf.**



Redüksiyon ve CNC Mandren Tutucu  
Reduction and CNC Chuck Holder

**14-18 syf.**



Pens ve Silindirik Şaftlı Pens Başlıkları  
Collet and Cylindrical Shank Collet Heads

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BT40 Holder Product Group

**24-41 syf.**



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BBT40 Tutucu Ürün Grubu

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Çektirme Civata ve Kapak Anahtarı Ürün Grubu

Pull Studs and Cover Keys Product Group



**71-72 syf.**

Pens Kapak ve Yedek Parça Grubu

Clamping Nuts and Spare Part Group



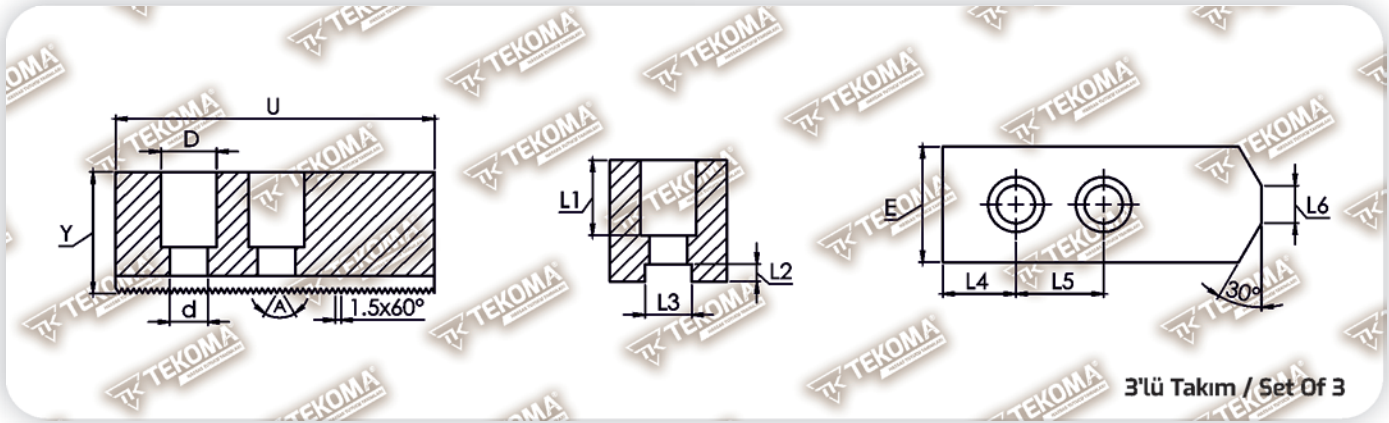
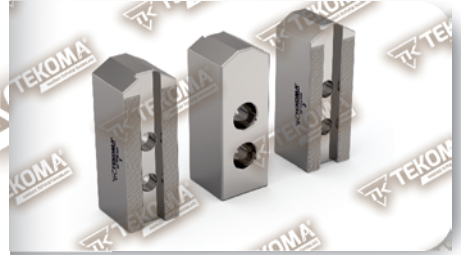
**73-74 syf.**

Takım Sehpaları ve Montaj Aparatı

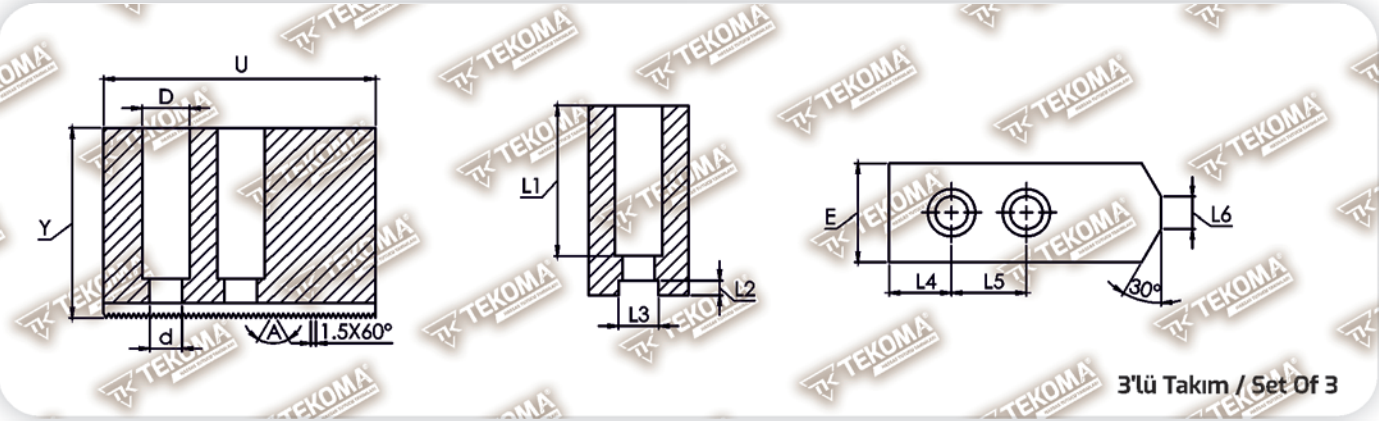
Tool Stands and Assembly Apparatus





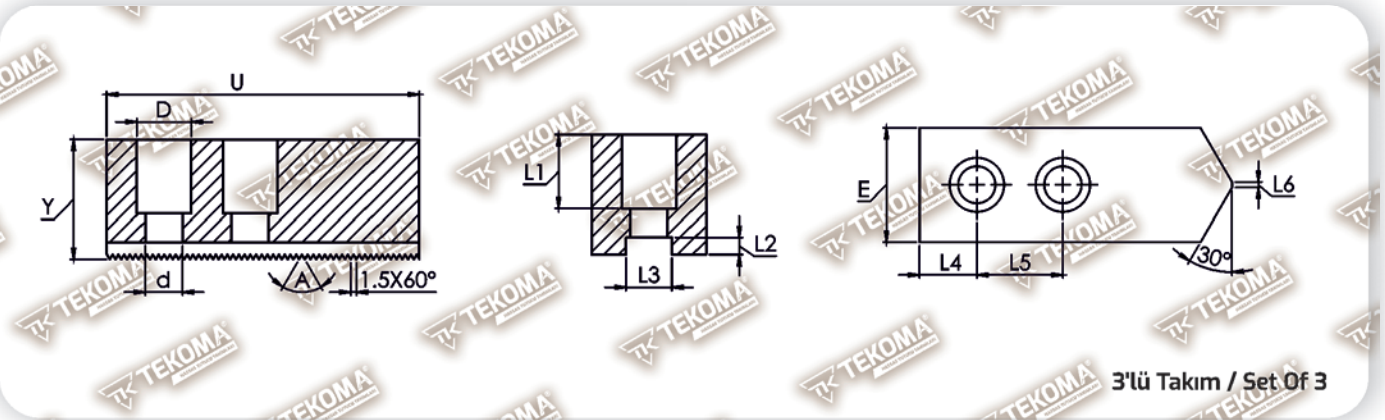


| Sipariş Kodu<br>Order Code | Ayna Çapı<br>Chuck Dia | Diş Formu<br>Serration | Ölçüler (Dimensions) |     |    |    |     |    |      |    |    |    |    | Ağırlık<br>Weight |
|----------------------------|------------------------|------------------------|----------------------|-----|----|----|-----|----|------|----|----|----|----|-------------------|
|                            |                        |                        | Y                    | U   | E  | L1 | L2  | L3 | L4   | L5 | L6 | D  | d  |                   |
| 6" TYS-060                 | 6"                     | 1,5 x 60°              | 32                   | 71  | 30 | 19 | 5,5 | 12 | 15   | 20 | 10 | 17 | 11 | 1,3               |
| 8" TYS-080                 | 8"                     | 1,5 x 60°              | 37                   | 94  | 35 | 21 | 5,5 | 14 | 24,5 | 25 | 12 | 19 | 13 | 2,4               |
| 10" TYS-100                | 10"                    | 1,5 x 60°              | 42                   | 109 | 40 | 26 | 6   | 16 | 29,5 | 30 | 14 | 19 | 13 | 3,6               |
| 12" TYS-120                | 12"                    | 1,5 x 60°              | 52                   | 129 | 50 | 33 | 6   | 21 | 29,5 | 30 | 19 | 25 | 17 | 6,6               |
| 15" TYS-150                | 15"                    | 1,5 x 60°              | 61                   | 163 | 62 | 34 | 9   | 22 | 35,5 | 43 | 23 | 32 | 21 | 12                |
| 21" TYS-210                | 21"                    | 3,0 x 60°              | 70                   | 179 | 65 | 43 | 9   | 25 | 39,5 | 60 | 46 | 32 | 21 | 16,3              |

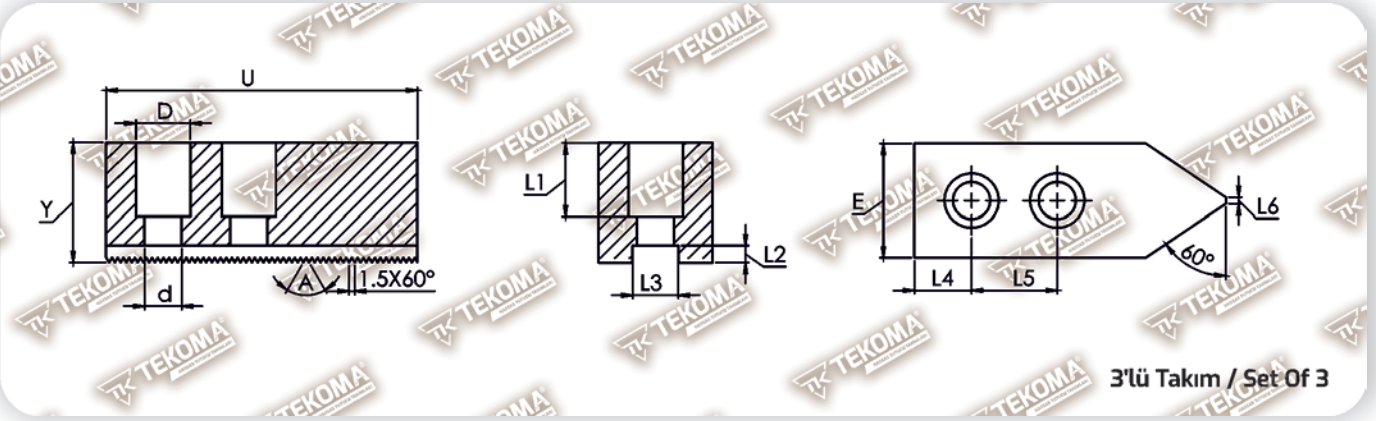
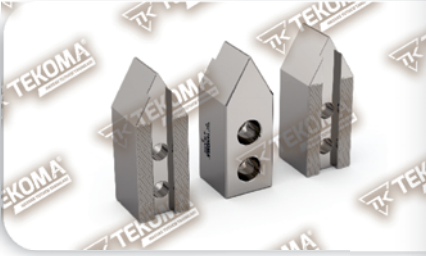
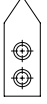


| Sipariş Kodu<br>Order Code | Ayna Çapı<br>Chuck Dia<br>" | Diş Formu<br>Serration<br>A | Ölçüler (Dimensions) |     |    |    |     |    |      |    |    |    |    | Ağırlık<br>Weight |
|----------------------------|-----------------------------|-----------------------------|----------------------|-----|----|----|-----|----|------|----|----|----|----|-------------------|
|                            |                             |                             | Y                    | U   | E  | L1 | L2  | L3 | L4   | L5 | L6 | D  | d  |                   |
| 6" TYY-060                 | 6"                          | 1.5 x 60°                   | 57                   | 71  | 30 | 44 | 5,5 | 12 | 15   | 20 | 10 | 17 | 11 | 2,3               |
| 8" TYY-080                 | 8"                          | 1.5 x 60°                   | 67                   | 94  | 35 | 51 | 5,5 | 14 | 24,5 | 25 | 12 | 19 | 13 | 4,3               |
| 10" TYY-100                | 10"                         | 1.5 x 60°                   | 77                   | 109 | 40 | 61 | 6   | 16 | 29,5 | 30 | 14 | 19 | 13 | 6,6               |
| 12" TYY-120                | 12"                         | 1.5 x 60°                   | 77                   | 129 | 48 | 58 | 6   | 21 | 29,5 | 30 | 19 | 25 | 17 | 9,5               |
| 15" TYY-150                | 15"                         | 1.5 x 60°                   | 97                   | 163 | 57 | 70 | 9   | 22 | 35,5 | 43 | 23 | 32 | 21 | 19,7              |



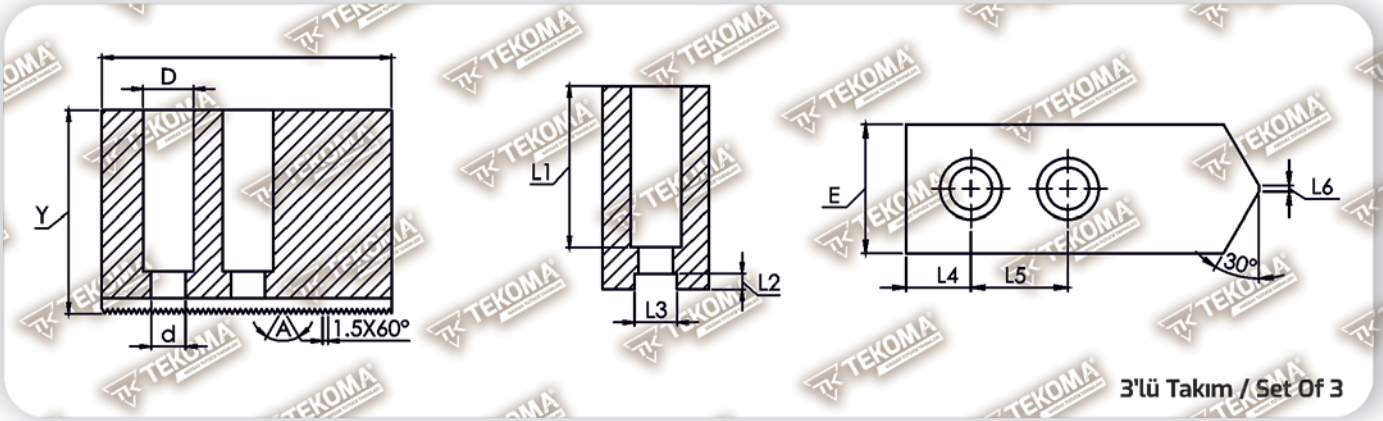


| Sipariş Kodu<br>Order Code | Ayna Çapı<br>Chuck Dia<br>" | Dış Formu<br>Serration<br>A | Ölçüler (Dimensions) |     |    |    |     |    |      |    |     |    |    | Ağırlık<br>Weight |
|----------------------------|-----------------------------|-----------------------------|----------------------|-----|----|----|-----|----|------|----|-----|----|----|-------------------|
|                            |                             |                             | Y                    | U   | E  | L1 | L2  | L3 | L4   | L5 | L6  | D  | d  |                   |
| 6" TSYS-0630               | 6"                          | 1,5 x 60°                   | 32                   | 74  | 30 | 19 | 5,5 | 12 | 12   | 20 | 1,3 | 17 | 11 | 1,3               |
| 8" TSYS-0830               | 8"                          | 1,5 x 60°                   | 37                   | 94  | 35 | 21 | 5,5 | 14 | 14,5 | 25 | 1,3 | 19 | 13 | 2,3               |
| 10" TSYS-1030              | 10"                         | 1,5 x 60°                   | 42                   | 109 | 40 | 26 | 6   | 16 | 19,5 | 30 | 1,3 | 19 | 13 | 3,6               |
| 12" TSYS-1230              | 12"                         | 1,5 x 60°                   | 52                   | 129 | 50 | 33 | 6   | 21 | 19,5 | 30 | 1,5 | 25 | 17 | 6,3               |

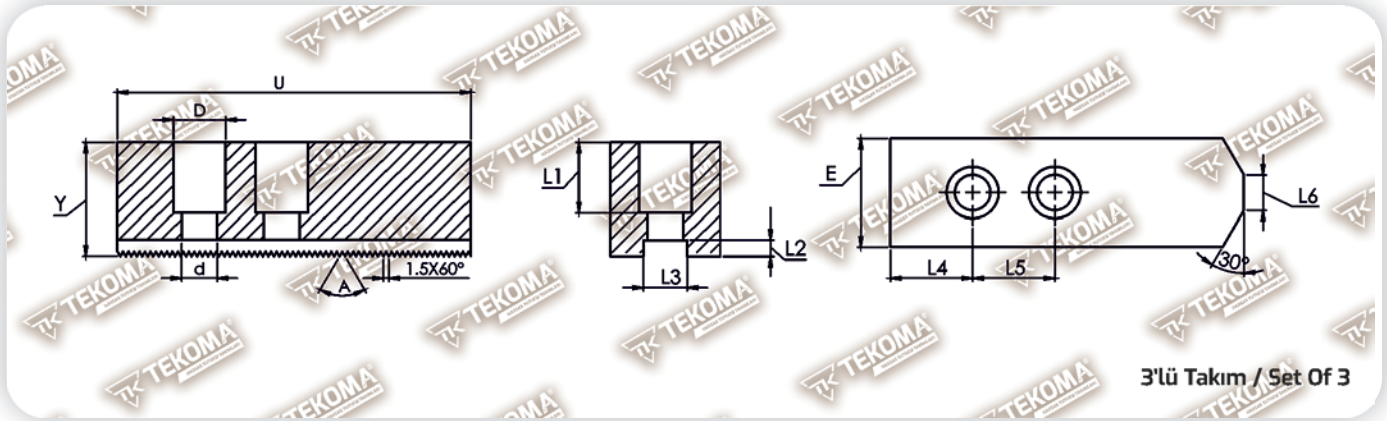


| Sipariş Kodu<br>Order Code | Ayna Çapı<br>Chuck Dia<br>" | Dış Formu<br>Serration<br>A | Ölçüler (Dimensions) |     |    |    |     |    |      |    |     |    |    | Ağırlık<br>Weight |
|----------------------------|-----------------------------|-----------------------------|----------------------|-----|----|----|-----|----|------|----|-----|----|----|-------------------|
|                            |                             |                             | Y                    | U   | E  | L1 | L2  | L3 | L4   | L5 | L6  | D  | d  |                   |
| 6" TSYS-0660               | 6"                          | 1.5 x 60°                   | 32                   | 74  | 30 | 19 | 5,5 | 12 | 12   | 20 | 1,3 | 17 | 11 | 1                 |
| 8" TSYS-0860               | 8"                          | 1.5 x 60°                   | 37                   | 94  | 35 | 21 | 5,5 | 14 | 14,5 | 25 | 1,3 | 19 | 13 | 2                 |
| 10" TSYS-1060              | 10"                         | 1.5 x 60°                   | 42                   | 109 | 40 | 26 | 6   | 16 | 19,5 | 30 | 1,3 | 19 | 13 | 3,1               |



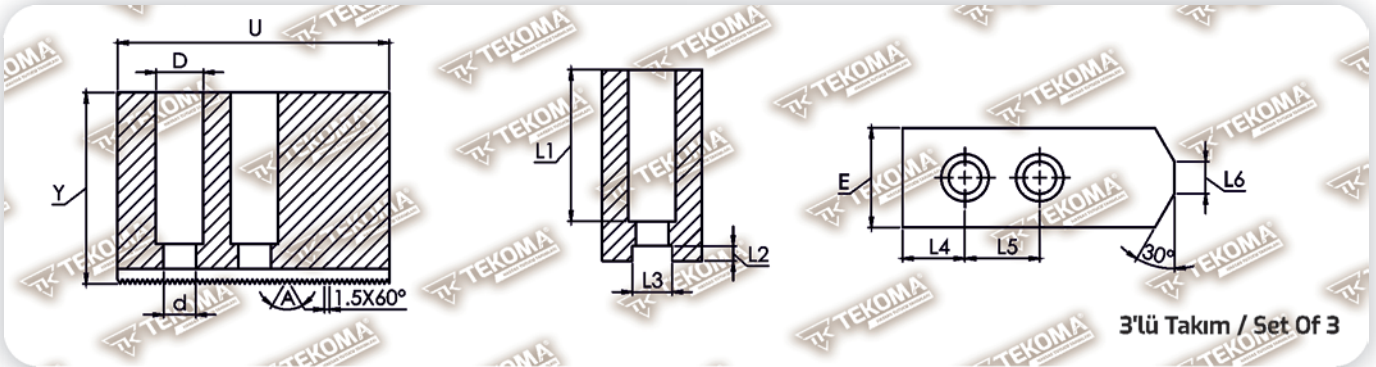


| Sipariş Kodu<br>Order Code | Ayna Çapı<br>Chuck Dia<br>" | Dış Formu<br>Serration<br>A | Ölçüler (Dimensions) |     |    |    |     |    |      |    |     |    |    | Ağırlık<br>Weight |
|----------------------------|-----------------------------|-----------------------------|----------------------|-----|----|----|-----|----|------|----|-----|----|----|-------------------|
|                            |                             |                             | Y                    | U   | E  | L1 | L2  | L3 | L4   | L5 | L6  | D  | d  |                   |
| 6" TYYS-0630               | 6"                          | 1.5 x 60°                   | 57                   | 74  | 30 | 44 | 5,5 | 12 | 12   | 20 | 1   | 17 | 11 | 2,2               |
| 8" TYYS-0830               | 8"                          | 1.5 x 60°                   | 67                   | 94  | 35 | 51 | 5,5 | 14 | 14,5 | 25 | 1,2 | 19 | 13 | 4,2               |
| 10" TYYS-1030              | 10"                         | 1.5 x 60°                   | 77                   | 109 | 40 | 61 | 6   | 16 | 19,5 | 30 | 1,5 | 19 | 13 | 6,5               |
| 12" TYYS-1230              | 12"                         | 1.5 x 60°                   | 77                   | 129 | 48 | 58 | 6   | 21 | 19,5 | 30 | 3   | 25 | 17 | 9,2               |

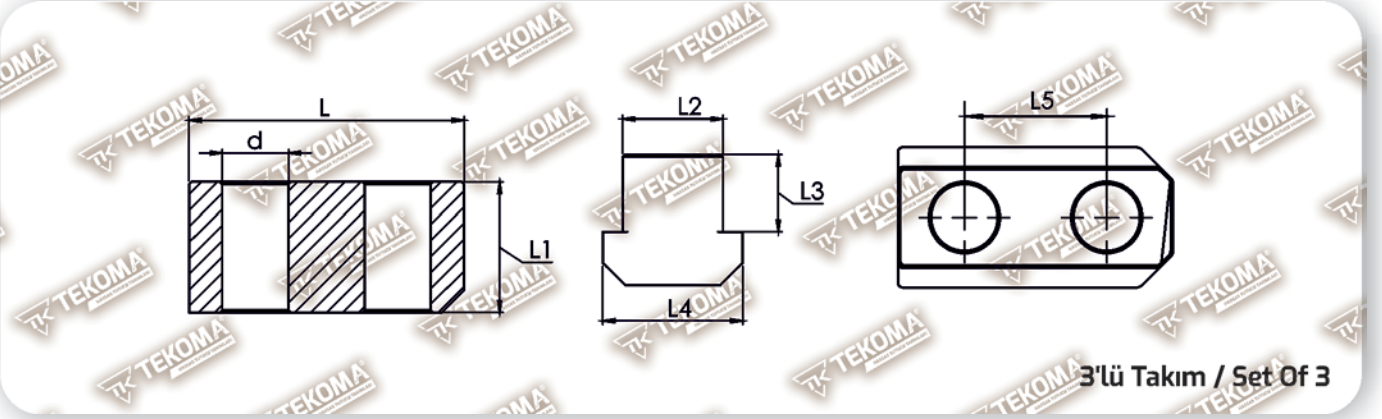
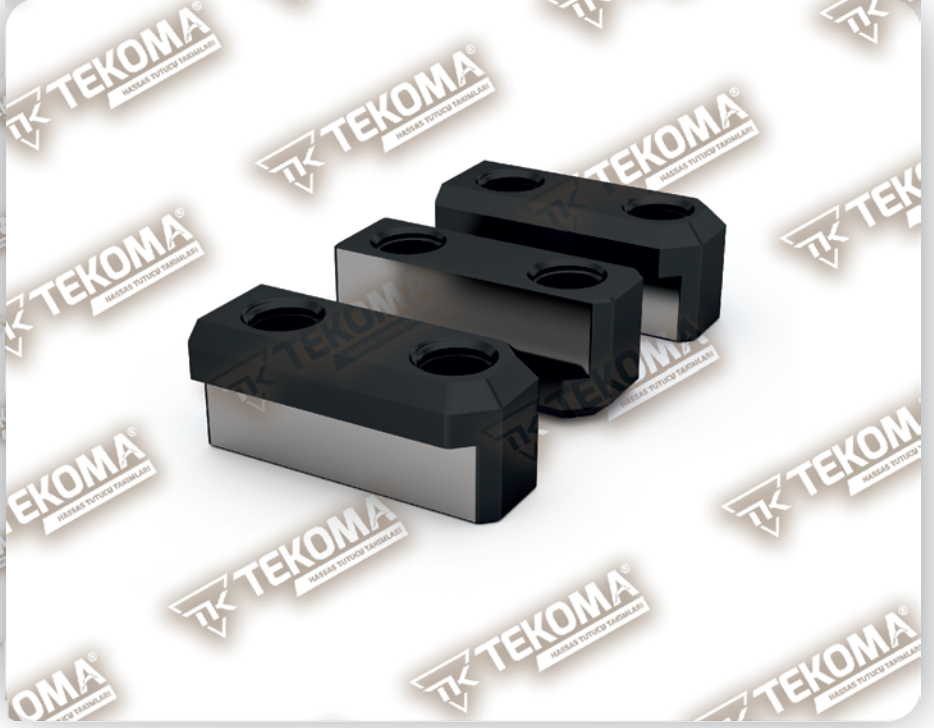
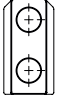


| Sipariş Kodu<br>Order Code | Ayna Çapı<br>Chuck Dia<br>" | Dış Formu<br>Serration<br>A | Ölçüler (Dimensions) |     |    |    |     |    |      |    |    |    |    | Ağırlık<br>Weight |
|----------------------------|-----------------------------|-----------------------------|----------------------|-----|----|----|-----|----|------|----|----|----|----|-------------------|
|                            |                             |                             | Y                    | U   | E  | L1 | L2  | L3 | L4   | L5 | L6 | D  | d  |                   |
| 6" TUY5-0689               | 6"                          | 1.5 x 60°                   | 32                   | 89  | 30 | 19 | 5,5 | 12 | 15   | 20 | 10 | 17 | 11 | 1,7               |
| 8" TUY5-08114              | 8"                          | 1.5 x 60°                   | 37                   | 114 | 35 | 21 | 5,5 | 14 | 24,5 | 25 | 12 | 19 | 13 | 2,9               |
| 10" TUY5-10129             | 10"                         | 1.5 x 60°                   | 42                   | 129 | 40 | 26 | 6   | 16 | 29,5 | 30 | 14 | 19 | 13 | 4,8               |
| 12" TUY5-12149             | 12"                         | 1.5 x 60°                   | 52                   | 149 | 50 | 33 | 6   | 21 | 29,5 | 30 | 19 | 25 | 17 | 7,8               |



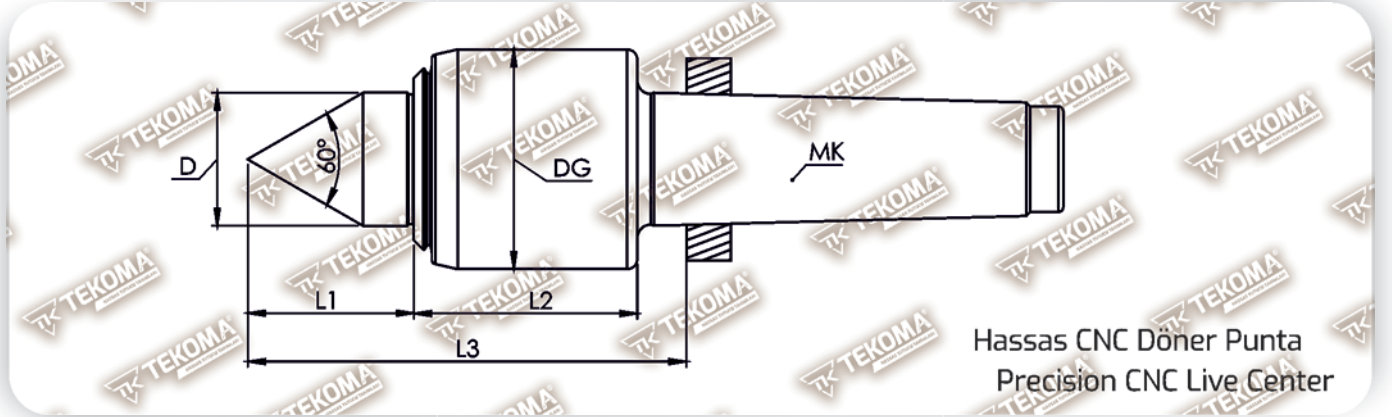


| Sipariş Kodu<br>Order Code | Ayna Çapı<br>Chuck Dia<br>" | Dış Formu<br>Serration<br>A | Ölçüler (Dimensions) |     |    |    |     |    |      |    |    |    |    | Ağırlık<br>Weight |
|----------------------------|-----------------------------|-----------------------------|----------------------|-----|----|----|-----|----|------|----|----|----|----|-------------------|
|                            |                             |                             | Y                    | U   | E  | L1 | L2  | L3 | L4   | L5 | L6 | D  | d  |                   |
| 8" TEY-08100               | 8"                          | 1.5 x 60°                   | 100                  | 94  | 35 | 50 | 5.5 | 14 | 24,5 | 25 | 12 | 19 | 13 | 6,5               |
| 8" TEY-08120               | 8"                          | 1.5 x 60°                   | 120                  | 94  | 35 | 60 | 5.5 | 14 | 24,5 | 25 | 12 | 19 | 13 | 7,8               |
| 8" TEY-08130               | 8"                          | 1.5 x 60°                   | 130                  | 94  | 35 | 70 | 5.5 | 14 | 24,5 | 25 | 12 | 19 | 13 | 8,4               |
| 10" TEY-10100              | 10"                         | 1.5 x 60°                   | 100                  | 109 | 40 | 50 | 6   | 16 | 29,5 | 30 | 14 | 19 | 13 | 8,9               |
| 10" TEY-10120              | 10"                         | 1.5 x 60°                   | 120                  | 109 | 40 | 60 | 6   | 16 | 29,5 | 30 | 14 | 19 | 13 | 10,6              |
| 10" TEY-10130              | 10"                         | 1.5 x 60°                   | 130                  | 109 | 40 | 70 | 6   | 16 | 29,5 | 30 | 14 | 19 | 13 | 11,5              |
| 12" TEY-12100              | 12"                         | 1.5 x 60°                   | 100                  | 126 | 48 | 50 | 6   | 21 | 29,5 | 30 | 19 | 25 | 17 | 13,3              |
| 12" TEY-12120              | 12"                         | 1.5 x 60°                   | 120                  | 126 | 48 | 60 | 6   | 21 | 29,5 | 30 | 19 | 25 | 17 | 15,8              |
| 12" TEY-12130              | 12"                         | 1.5 x 60°                   | 130                  | 126 | 48 | 70 | 6   | 21 | 29,5 | 30 | 19 | 25 | 17 | 17,3              |

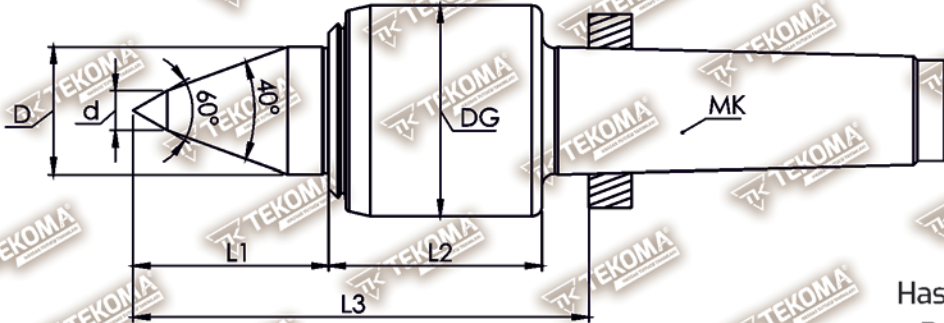


| Sipariş Kodu<br>Order Code | Ayna Çapı<br>Chuck Dia<br>" | Ölçüler (Dimensions) |      |    |      |      |    |     | Ağırlık<br>Weight |
|----------------------------|-----------------------------|----------------------|------|----|------|------|----|-----|-------------------|
|                            |                             | L                    | L1   | L2 | L3   | L4   | L5 | d   |                   |
| TSM-060                    | 6"                          | 36,5                 | 18,5 | 12 | 10,9 | 17   | 20 | M10 | 0,2               |
| TSM-080                    | 8"                          | 46,5                 | 20,5 | 14 | 11,8 | 20,5 | 25 | M12 | 0,3               |
| TSM-100                    | 10"                         | 51                   | 21,5 | 16 | 13   | 22,5 | 30 | M12 | 0,4               |
| TSM-120                    | 12"                         | 58                   | 27,5 | 21 | 16   | 29,5 | 30 | M16 | 0,7               |





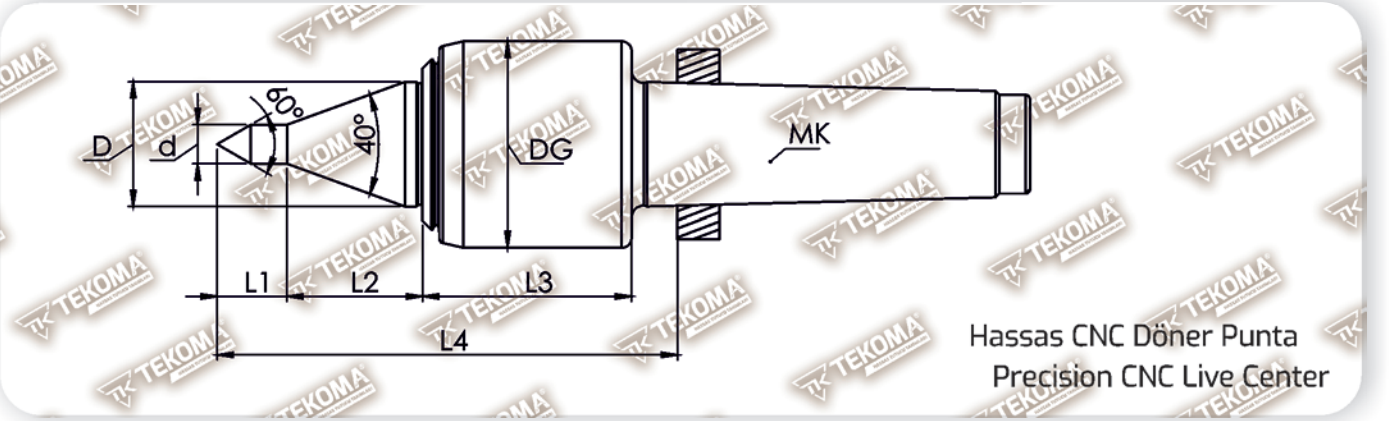
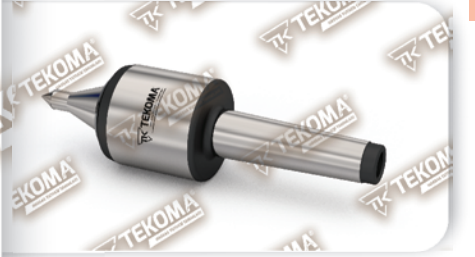
| Sipariş Kodu<br>Order Code | Ölçüler (Dimensions) |    |      |   |      |    |       |    | Uç Salgısı<br>Center Runout | Ağırlık<br>Weight |
|----------------------------|----------------------|----|------|---|------|----|-------|----|-----------------------------|-------------------|
|                            | MK                   | DG | D    | d | L1   | L2 | L3    | L4 |                             |                   |
| TKP-3325                   | MK3                  | 57 | 24,5 | - | 32   | 59 | 99    | -  | 0,005                       | 1,4               |
| TKP-4340                   | MK4                  | 68 | 40   | - | 48,5 | 76 | 132,5 | -  | 0,005                       | 2,8               |
| TKP-5345                   | MK5                  | 74 | 45   | - | 55,5 | 75 | 141,5 | -  | 0,005                       | 4,2               |



Hassas CNC Döner Punta  
Precision CNC Live Center

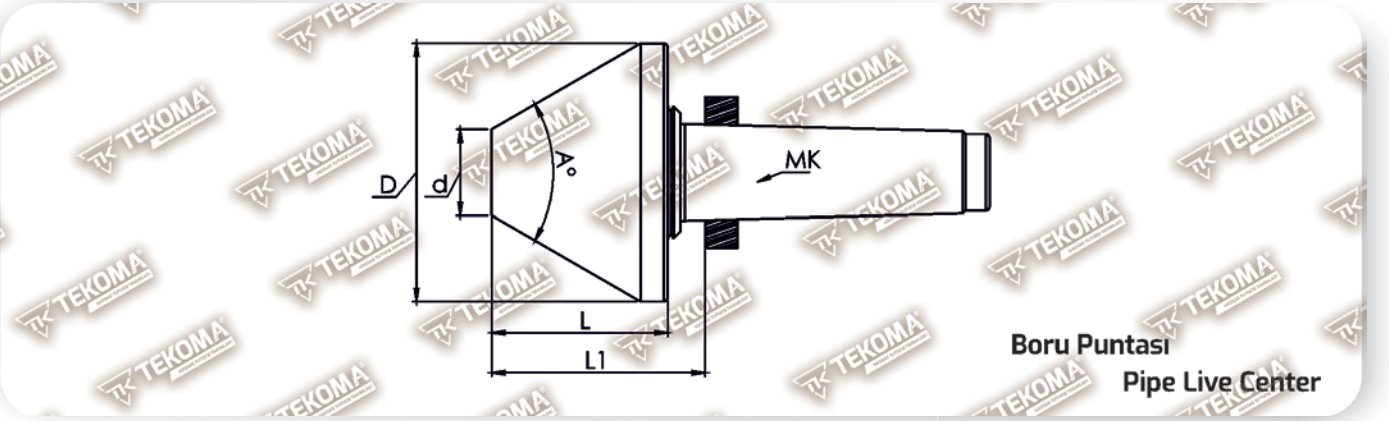
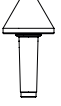
| Sipariş Kodu<br>Order Code | Ölçüler (Dimensions) |    |      |    |      |    |       |    | Uç Salgısı<br>Center Runout | Ağırlık<br>Weight |
|----------------------------|----------------------|----|------|----|------|----|-------|----|-----------------------------|-------------------|
|                            | MK                   | DG | D    | d  | L1   | L2 | L3    | L4 |                             |                   |
| TKP-3320                   | MK3                  | 57 | 24,5 | 10 | 41,5 | 59 | 108,5 | -  | 0,005                       | 1,4               |
| TKP-4320                   | MK4                  | 68 | 35   | 14 | 55,5 | 76 | 139,5 | -  | 0,005                       | 2,8               |
| TKP-5320                   | MK5                  | 74 | 45   | 14 | 68,5 | 75 | 154,5 | -  | 0,005                       | 4,2               |





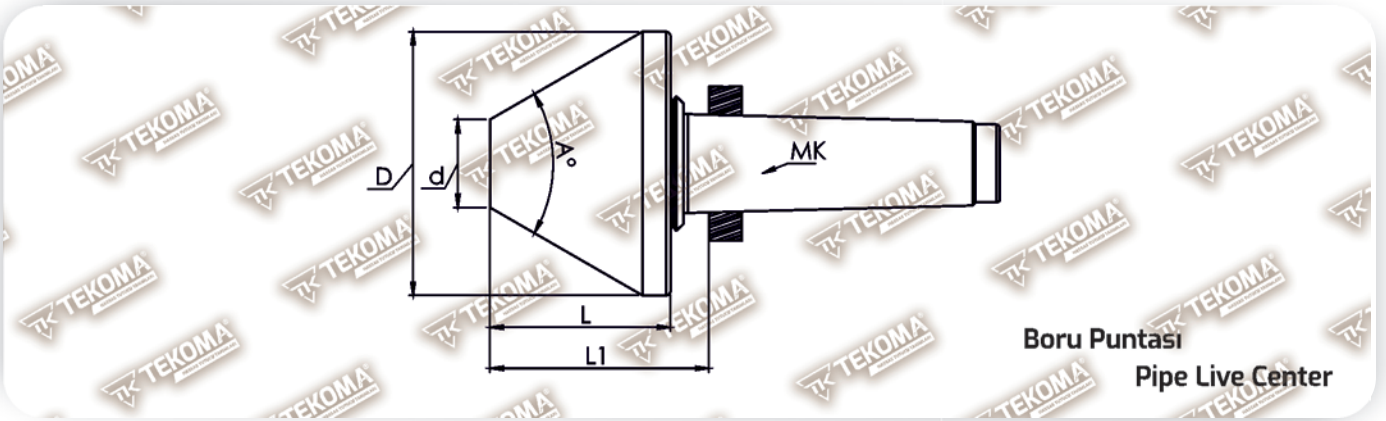
Hassas CNC Döner Punta  
Precision CNC Live Center

| Sipariş Kodu<br>Order Code | Ölçüler (Dimensions) |    |      |    |    |      |    |       | Uç Salgısı<br>Center Runout | Ağırlık<br>Weight |
|----------------------------|----------------------|----|------|----|----|------|----|-------|-----------------------------|-------------------|
|                            | MK                   | DG | D    | d  | L1 | L2   | L3 | L4    |                             |                   |
| TKP-3310                   | MK3                  | 57 | 24,5 | 10 | 16 | 25,5 | 59 | 108,5 | 0,005                       | 1,4               |
| TKP-4314                   | MK4                  | 68 | 35   | 14 | 25 | 32,5 | 76 | 141,5 | 0,005                       | 2,8               |
| TKP-5314                   | MK5                  | 74 | 45   | 14 | 25 | 49   | 75 | 160   | 0,005                       | 4,2               |

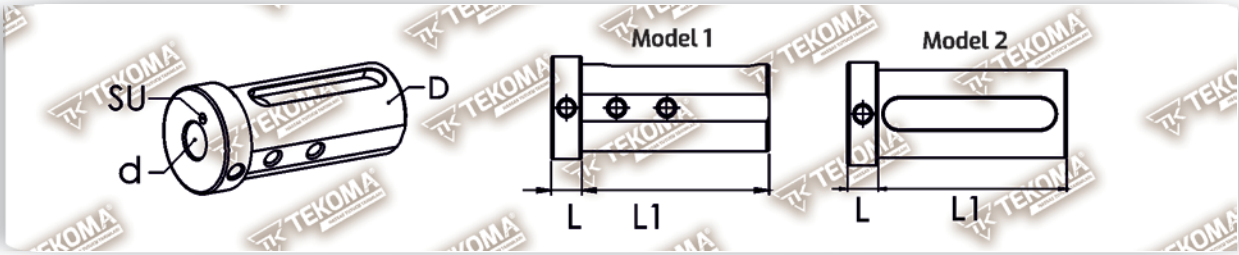
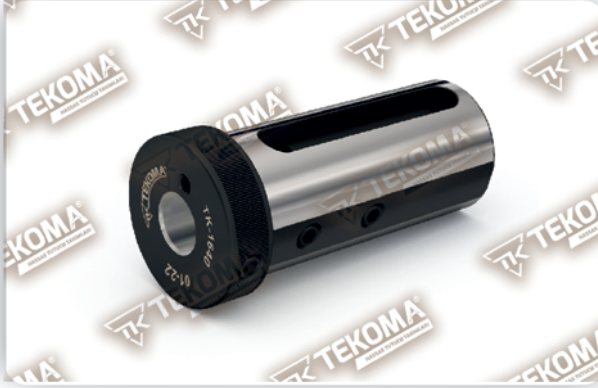
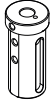


| Sipariş Kodu<br>Order Code | Ölçüler (Dimensions) |     |    |    |     |     | Uç Salgısı<br>Center Runout | Ağırlık<br>Weight |
|----------------------------|----------------------|-----|----|----|-----|-----|-----------------------------|-------------------|
|                            | MK                   | D   | d  | L  | L1  | A   |                             |                   |
| TKP-4387                   | MK4                  | 87  | 28 | 67 | 72  | 60° | 0,005                       | 2,6               |
| TKP-43100                  | MK4                  | 100 | 30 | 76 | 86  | 60° | 0,005                       | 4,1               |
| TKP-43120                  | MK4                  | 120 | 40 | 82 | 90  | 60° | 0,005                       | 5,2               |
| TKP-43140                  | MK4                  | 140 | 47 | 93 | 105 | 60° | 0,005                       | 7,6               |





| Sipariş Kodu<br>Order Code | Ölçüler (Dimensions) |     |    |    |     |     | Uç Salgısı<br>Center Runout | Ağırlık<br>Weight |
|----------------------------|----------------------|-----|----|----|-----|-----|-----------------------------|-------------------|
|                            | MK                   | D   | d  | L  | L1  | A   |                             |                   |
| TKP-5387                   | MK5                  | 87  | 28 | 67 | 79  | 60° | 0.005                       | 3.2               |
| TKP-53100                  | MK5                  | 100 | 30 | 76 | 88  | 60° | 0.005                       | 4.8               |
| TKP-53120                  | MK5                  | 120 | 40 | 82 | 97  | 60° | 0.005                       | 6.0               |
| TKP-53140                  | MK5                  | 140 | 47 | 93 | 108 | 60° | 0.005                       | 8.6               |
| TKP-53170                  | MK5                  | 170 | 58 | 95 | 126 | 70° | 0.005                       | 13.6              |


 20 Gövde Redüksiyon Kovan  
 20 Body Reduction Hive

| Model Type | Sipariş Kodu<br>Order Code | Ölçüler (Dimensions) |    |    |    | SU<br>WATER | Ağırlık<br>Weight |
|------------|----------------------------|----------------------|----|----|----|-------------|-------------------|
|            |                            | D                    | d  | L  | L1 |             |                   |
| 1          | TK-0620                    | 20                   | 6  | 11 | 49 | ✓           | 0.16              |
| 1          | TK-0820                    | 20                   | 8  | 11 | 49 | —           | 0.15              |
| 2          | TK-1020                    | 20                   | 10 | 11 | 49 | —           | 0.14              |
| 2          | TK-1220                    | 20                   | 12 | 11 | 49 | —           | 0.13              |
| 2          | TK-1420                    | 20                   | 14 | 11 | 49 | —           | 0.12              |
| 2          | TK-1620                    | 20                   | 16 | 11 | 49 | —           | 0.10              |

 25 Gövde Redüksiyon Kovan  
 25 Body Reduction Hive

| Model Type | Sipariş Kodu<br>Order Code | Ölçüler (Dimensions) |    |    |    | SU<br>WATER | Ağırlık<br>Weight |
|------------|----------------------------|----------------------|----|----|----|-------------|-------------------|
|            |                            | D                    | d  | L  | L1 |             |                   |
| 1          | TK-0625                    | 25                   | 6  | 11 | 64 | ✓           | 0.30              |
| 1          | TK-0825                    | 25                   | 8  | 11 | 64 | ✓           | 0.27              |
| 1          | TK-1025                    | 25                   | 10 | 11 | 64 | ✓           | 0.22              |
| 1          | TK-1225                    | 25                   | 12 | 11 | 64 | ✓           | 0.20              |
| 2          | TK-1425                    | 25                   | 14 | 11 | 64 | —           | 0.19              |
| 2          | TK-1625                    | 25                   | 16 | 11 | 64 | —           | 0.17              |
| 2          | TK-1825                    | 25                   | 18 | 11 | 64 | —           | 0.13              |
| 2          | TK-2025                    | 25                   | 20 | 11 | 64 | —           | 0.10              |

 32 Gövde Redüksiyon Kovan  
 32 Body Reduction Hive

| Model Type | Sipariş Kodu<br>Order Code | Ölçüler (Dimensions) |    |    |    | SU<br>WATER | Ağırlık<br>Weight |
|------------|----------------------------|----------------------|----|----|----|-------------|-------------------|
|            |                            | D                    | d  | L  | L1 |             |                   |
| 1          | TK-0632                    | 32                   | 6  | 14 | 76 | ✓           | 0.45              |
| 1          | TK-0832                    | 32                   | 8  | 14 | 76 | ✓           | 0.50              |
| 1          | TK-1032                    | 32                   | 10 | 14 | 76 | ✓           | 0.47              |
| 1          | TK-1232                    | 32                   | 12 | 14 | 76 | ✓           | 0.46              |
| 1          | TK-1432                    | 32                   | 14 | 14 | 76 | ✓           | 0.44              |
| 1          | TK-1632                    | 32                   | 16 | 14 | 76 | ✓           | 0.43              |
| 2          | TK-1832                    | 32                   | 18 | 14 | 76 | ✓           | 0.38              |
| 2          | TK-2032                    | 32                   | 20 | 14 | 76 | —           | 0.36              |
| 2          | TK-2532                    | 32                   | 25 | 14 | 76 | —           | 0.25              |

 40 Gövde Redüksiyon Kovan  
 40 Body Reduction Hive

| Model Type | Sipariş Kodu<br>Order Code | Ölçüler (Dimensions) |    |    |    | SU<br>WATER | Ağırlık<br>Weight |
|------------|----------------------------|----------------------|----|----|----|-------------|-------------------|
|            |                            | D                    | d  | L  | L1 |             |                   |
| 1          | TK-0640                    | 40                   | 6  | 14 | 86 | ✓           | 0.89              |
| 1          | TK-0840                    | 40                   | 8  | 14 | 86 | ✓           | 0.87              |
| 1          | TK-1040                    | 40                   | 10 | 14 | 86 | ✓           | 0.86              |
| 1          | TK-1240                    | 40                   | 12 | 14 | 86 | ✓           | 0.85              |
| 1          | TK-1440                    | 40                   | 14 | 14 | 86 | ✓           | 0.83              |
| 1          | TK-1640                    | 40                   | 16 | 14 | 86 | ✓           | 0.80              |
| 1          | TK-1840                    | 40                   | 18 | 14 | 86 | ✓           | 0.72              |
| 2          | TK-2040                    | 40                   | 20 | 14 | 86 | ✓           | 0.70              |
| 2          | TK-2540                    | 40                   | 25 | 14 | 86 | ✓           | 0.56              |
| 2          | TK-3240                    | 40                   | 32 | 14 | 86 | —           | 0.40              |

 50 Gövde Redüksiyon Kovan  
 50 Body Reduction Hive

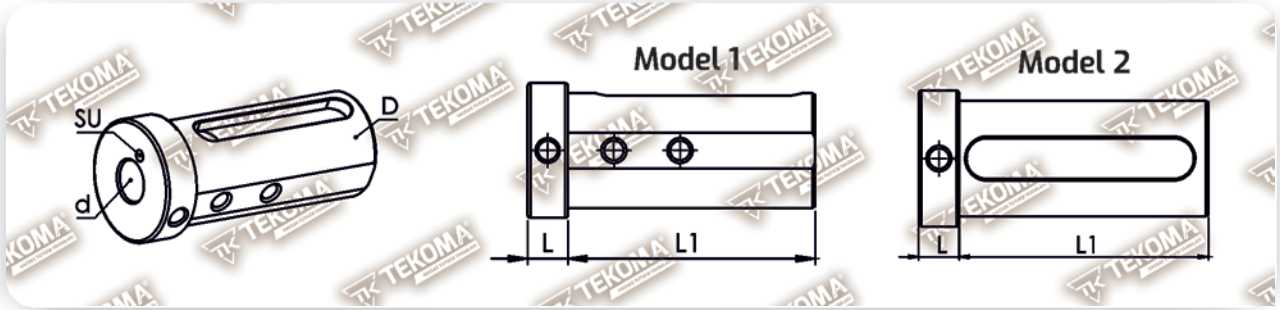
| Model Type | Sipariş Kodu<br>Order Code | Ölçüler (Dimensions) |    |    |    | SU<br>WATER | Ağırlık<br>Weight |
|------------|----------------------------|----------------------|----|----|----|-------------|-------------------|
|            |                            | D                    | d  | L  | L1 |             |                   |
| 1          | TK-1050                    | 50                   | 10 | 14 | 86 | ✓           | 1.50              |
| 1          | TK-1250                    | 50                   | 12 | 14 | 86 | ✓           | 1.45              |
| 1          | TK-1650                    | 50                   | 16 | 14 | 86 | ✓           | 1.40              |
| 1          | TK-2050                    | 50                   | 20 | 14 | 86 | ✓           | 1.27              |
| 1          | TK-2550                    | 50                   | 25 | 14 | 86 | ✓           | 1.20              |
| 2          | TK-3250                    | 50                   | 32 | 14 | 86 | ✓           | 0.90              |
| 2          | TK-4050                    | 50                   | 40 | 14 | 86 | —           | 0.60              |

 60 Gövde Redüksiyon Kovan  
 60 Body Reduction Hive

| Model Type | Sipariş Kodu<br>Order Code | Ölçüler (Dimensions) |    |    |    | SU<br>WATER | Ağırlık<br>Weight |
|------------|----------------------------|----------------------|----|----|----|-------------|-------------------|
|            |                            | D                    | d  | L  | L1 |             |                   |
| 1          | TK-1260                    | 60                   | 12 | 16 | 94 | ✓           | 2.60              |
| 1          | TK-1660                    | 60                   | 16 | 16 | 94 | ✓           | 2.50              |
| 1          | TK-2060                    | 60                   | 20 | 16 | 94 | ✓           | 2.40              |
| 1          | TK-2560                    | 60                   | 25 | 16 | 94 | ✓           | 2.10              |
| 1          | TK-3260                    | 60                   | 32 | 16 | 94 | ✓           | 1.80              |
| 2          | TK-4060                    | 60                   | 40 | 16 | 94 | ✓           | 1.30              |
| 2          | TK-5060                    | 60                   | 50 | 16 | 94 | —           | 0.80              |



## ARA ÖLÇÜ



32 Gövde Redüksiyon Kovan  
32 Body Reduction Hive  
ARA ÖLÇÜ

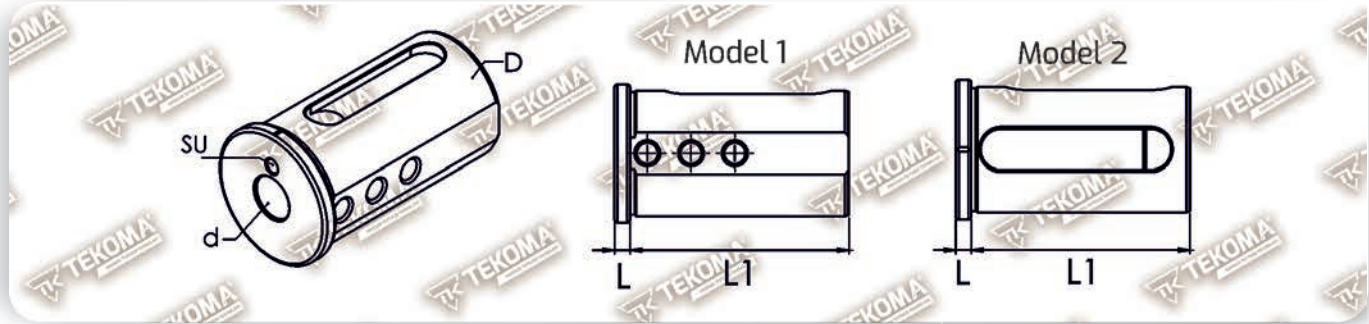
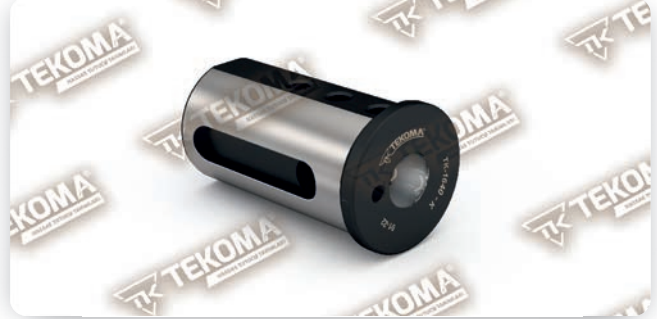
| Model Type | Sipariş Kodu<br>Order Code | Ölçüler (Dimensions) |       |    |    | SU<br>WATER | Ağırlık<br>Weight |
|------------|----------------------------|----------------------|-------|----|----|-------------|-------------------|
|            |                            | D                    | d     | L  | L1 |             |                   |
| 1          | TK-65032                   | 32                   | 6,50  | 14 | 76 | ✓           | 0.55              |
| 1          | TK-0732                    | 32                   | 7     | 14 | 76 | ✓           | 0.53              |
| 1          | TK-75032                   | 32                   | 7,50  | 14 | 76 | ✓           | 0.51              |
| 1          | TK-85032                   | 32                   | 8,50  | 14 | 76 | ✓           | 0.49              |
| 1          | TK-0932                    | 32                   | 9     | 14 | 76 | ✓           | 0.47              |
| 1          | TK-95032                   | 32                   | 9,50  | 14 | 76 | ✓           | 0.45              |
| 1          | TK-105032                  | 32                   | 10,50 | 14 | 76 | ✓           | 0.43              |
| 1          | TK-1132                    | 32                   | 11    | 14 | 76 | ✓           | 0.41              |
| 1          | TK-115032                  | 32                   | 11,50 | 14 | 76 | ✓           | 0.39              |
| 1          | TK-125032                  | 32                   | 12,50 | 14 | 76 | ✓           | 0.37              |
| 1          | TK-1332                    | 32                   | 13    | 14 | 76 | ✓           | 0.35              |
| 1          | TK-135032                  | 32                   | 13,50 | 14 | 76 | ✓           | 0.34              |
| 1          | TK-145032                  | 32                   | 14,50 | 14 | 76 | ✓           | 0.33              |
| 1          | TK-1532                    | 32                   | 15    | 14 | 76 | ✓           | 0.31              |
| 1          | TK-155032                  | 32                   | 15,50 | 14 | 76 | ✓           | 0.29              |
| 1          | TK-165032                  | 32                   | 16,50 | 14 | 76 | ✓           | 0.29              |
| 1          | TK-1732                    | 32                   | 17    | 14 | 76 | ✓           | 0.29              |
| 1          | TK-175032                  | 32                   | 17,50 | 14 | 76 | ✓           | 0.29              |
| 1          | TK-185032                  | 32                   | 18,50 | 14 | 76 | ✓           | 0.29              |
| 1          | TK-1932                    | 32                   | 19    | 14 | 76 | ✓           | 0.29              |
| 1          | TK-195032                  | 32                   | 19,50 | 14 | 76 | ✓           | 0.29              |

40 Gövde Redüksiyon Kovan  
40 Body Reduction Hive  
ARA ÖLÇÜ

| Model Type | Sipariş Kodu<br>Order Code | Ölçüler (Dimensions) |       |    |    | SU<br>WATER | Ağırlık<br>Weight |
|------------|----------------------------|----------------------|-------|----|----|-------------|-------------------|
|            |                            | D                    | d     | L  | L1 |             |                   |
| 1          | TK-65040                   | 40                   | 6,50  | 14 | 86 | ✓           | 0.731             |
| 1          | TK-0740                    | 40                   | 7     | 14 | 86 | ✓           | 0.726             |
| 1          | TK-75040                   | 40                   | 7,50  | 14 | 86 | ✓           | 0.724             |
| 1          | TK-85040                   | 40                   | 8,50  | 14 | 86 | ✓           | 0.719             |
| 1          | TK-0940                    | 40                   | 9     | 14 | 86 | ✓           | 0.736             |
| 1          | TK-95040                   | 40                   | 9,50  | 14 | 86 | ✓           | 0.741             |
| 1          | TK-105040                  | 40                   | 10,50 | 14 | 86 | ✓           | 0.737             |
| 1          | TK-1140                    | 40                   | 11    | 14 | 86 | ✓           | 0.736             |
| 1          | TK-115040                  | 40                   | 11,50 | 14 | 86 | ✓           | 0.728             |
| 1          | TK-125040                  | 40                   | 12,50 | 14 | 86 | ✓           | 0.725             |
| 1          | TK-1340                    | 40                   | 13    | 14 | 86 | ✓           | 0.721             |
| 1          | TK-135040                  | 40                   | 13,50 | 14 | 86 | ✓           | 0.787             |
| 1          | TK-145040                  | 40                   | 14,50 | 14 | 86 | ✓           | 0.781             |
| 1          | TK-1540                    | 40                   | 15    | 14 | 86 | ✓           | 0.779             |
| 1          | TK-155040                  | 40                   | 15,50 | 14 | 86 | ✓           | 0.776             |
| 1          | TK-165040                  | 40                   | 16,50 | 14 | 86 | ✓           | 0.759             |
| 1          | TK-1740                    | 40                   | 17    | 14 | 86 | ✓           | 0.753             |
| 1          | TK-175040                  | 40                   | 17,50 | 14 | 86 | ✓           | 0.741             |
| 1          | TK-185040                  | 40                   | 18,50 | 14 | 86 | ✓           | 0.735             |
| 1          | TK-1940                    | 40                   | 19    | 14 | 86 | ✓           | 0.727             |
| 1          | TK-195040                  | 40                   | 19,50 | 14 | 86 | ✓           | 0.725             |

Redüksiyon  
Kovan




 Kısa 20 Gövde Redüksiyon Kovan  
 Short 20 Body Reduction Hive

| Model Type | Sipariş Kodu Order Code | Ölçüler (Dimensions) |    |   |    | SU WATER | Ağırlık Weight |
|------------|-------------------------|----------------------|----|---|----|----------|----------------|
|            |                         | D                    | d  | L | L1 |          |                |
| 1          | TK-0620-K               | 20                   | 6  | 5 | 40 | ✓        | 0.10           |
| 1          | TK-0820-K               | 20                   | 8  | 5 | 40 | —        | 0.09           |
| 2          | TK-1020-K               | 20                   | 10 | 5 | 40 | —        | 0.08           |
| 2          | TK-1220-K               | 20                   | 12 | 5 | 40 | —        | 0.07           |
| 2          | TK-1420-K               | 20                   | 14 | 5 | 40 | —        | 0.06           |
| 2          | TK-1620-K               | 20                   | 16 | 5 | 40 | —        | 0.04           |

 Kısa 25 Gövde Redüksiyon Kovan  
 Short 25 Body Reduction Hive

| Model Type | Sipariş Kodu Order Code | Ölçüler (Dimensions) |    |   |    | SU WATER | Ağırlık Weight |
|------------|-------------------------|----------------------|----|---|----|----------|----------------|
|            |                         | D                    | d  | L | L1 |          |                |
| 1          | TK-0625-K               | 25                   | 6  | 5 | 45 | ✓        | 0.18           |
| 1          | TK-0825-K               | 25                   | 8  | 5 | 45 | ✓        | 0.17           |
| 1          | TK-1025-K               | 25                   | 10 | 5 | 45 | ✓        | 0.16           |
| 1          | TK-1225-K               | 25                   | 12 | 5 | 45 | ✓        | 0.15           |
| 2          | TK-1425-K               | 25                   | 14 | 5 | 45 | —        | 0.13           |
| 2          | TK-1625-K               | 25                   | 16 | 5 | 45 | —        | 0.11           |
| 2          | TK-1825-K               | 25                   | 18 | 5 | 45 | —        | 0.09           |
| 2          | TK-2025-K               | 25                   | 20 | 5 | 45 | —        | 0.07           |

 Kısa 32 Gövde Redüksiyon Kovan  
 Short 32 Body Reduction Hive

| Model Type | Sipariş Kodu Order Code | Ölçüler (Dimensions) |    |   |    | SU WATER | Ağırlık Weight |
|------------|-------------------------|----------------------|----|---|----|----------|----------------|
|            |                         | D                    | d  | L | L1 |          |                |
| 1          | TK-0632-K               | 32                   | 6  | 5 | 60 | ✓        | 0.40           |
| 1          | TK-0832-K               | 32                   | 8  | 5 | 60 | ✓        | 0.39           |
| 1          | TK-1032-K               | 32                   | 10 | 5 | 60 | ✓        | 0.37           |
| 1          | TK-1232-K               | 32                   | 12 | 5 | 60 | ✓        | 0.35           |
| 1          | TK-1432-K               | 32                   | 14 | 5 | 60 | ✓        | 0.33           |
| 1          | TK-1632-K               | 32                   | 16 | 5 | 60 | ✓        | 0.31           |
| 2          | TK-1832-K               | 32                   | 18 | 5 | 60 | ✓        | 0.28           |
| 2          | TK-2032-K               | 32                   | 20 | 5 | 60 | —        | 0.25           |
| 2          | TK-2532-K               | 32                   | 25 | 5 | 60 | —        | 0.16           |

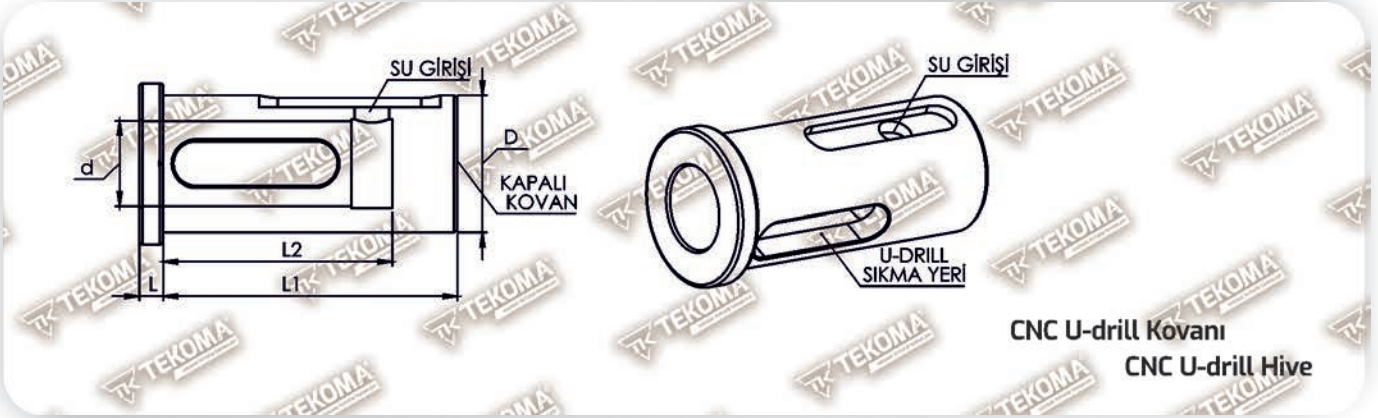
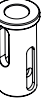
 Kısa 40 Gövde Redüksiyon Kovan  
 Short 40 Body Reduction Hive

| Model Type | Sipariş Kodu Order Code | Ölçüler (Dimensions) |    |   |    | SU WATER | Ağırlık Weight |
|------------|-------------------------|----------------------|----|---|----|----------|----------------|
|            |                         | D                    | d  | L | L1 |          |                |
| 1          | TK-0640-K               | 40                   | 6  | 5 | 70 | ✓        | 0.528          |
| 1          | TK-0840-K               | 40                   | 8  | 5 | 70 | ✓        | 0.544          |
| 1          | TK-1040-K               | 40                   | 10 | 5 | 70 | ✓        | 0.545          |
| 1          | TK-1240-K               | 40                   | 12 | 5 | 70 | ✓        | 0.554          |
| 1          | TK-1440-K               | 40                   | 14 | 5 | 70 | ✓        | 0.541          |
| 1          | TK-1640-K               | 40                   | 16 | 5 | 70 | ✓        | 0.525          |
| 1          | TK-1840-K               | 40                   | 18 | 5 | 70 | ✓        | 0.504          |
| 1          | TK-2040-K               | 40                   | 20 | 5 | 70 | ✓        | 0.486          |
| 2          | TK-2540-K               | 40                   | 25 | 5 | 70 | ✓        | 0.393          |
| 2          | TK-3240-K               | 40                   | 32 | 5 | 70 | —        | 0.320          |





U-Drill Redüksiyon Kovan



### 32 Gövde U-drill Redüksiyon Kovan

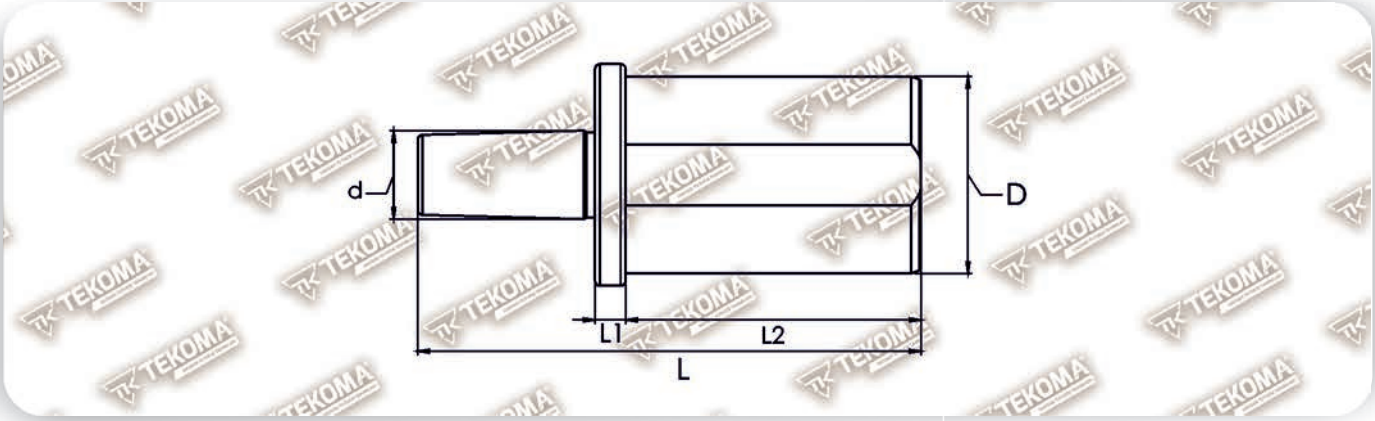
#### 32 Body U-drill Reduction Hive

| Model Type | Sipariş Kodu Order Code | Ölçüler (Dimensions) |    |   |    |    | SU WATER | Ağırlık Weight |
|------------|-------------------------|----------------------|----|---|----|----|----------|----------------|
|            |                         | D                    | d  | L | L1 | L2 |          |                |
| U-drill    | TUDR-2032               | 32                   | 20 | 5 | 76 | 67 | ✓        | 0.25           |
| U-drill    | TUDR-2532               | 32                   | 25 | 5 | 76 | 67 | ✓        | 0.30           |

### 40 Gövde Redüksiyon Kovan

#### 40 Body Reduction Hive

| Model Type | Sipariş Kodu Order Code | Ölçüler (Dimensions) |    |   |    |    | SU WATER | Ağırlık Weight |
|------------|-------------------------|----------------------|----|---|----|----|----------|----------------|
|            |                         | D                    | d  | L | L1 | L2 |          |                |
| U-drill    | TUDR-2040               | 40                   | 20 | 5 | 86 | 72 | ✓        | 0.70           |
| U-drill    | TUDR-2540               | 40                   | 25 | 5 | 86 | 74 | ✓        | 0.60           |
| U-drill    | TUDR-3240               | 40                   | 32 | 5 | 86 | 74 | ✓        | 0.50           |


**Ø25 Gövde CNC Torna Mandren Tutucusu**  
 Ø25 Body CNC Lathe Mandren Holder

| Sipariş Kodu<br>Order Code | Ölçüler (Dimensions) |    |     |    |    | Ağırlık<br>Weight |
|----------------------------|----------------------|----|-----|----|----|-------------------|
|                            | D                    | d  | L   | L1 | L2 |                   |
| TM-1625                    | 25                   | 16 | 84  | 6  | 50 | 0.65              |
| TM-1825                    | 25                   | 18 | 92  | 6  | 50 | 0.67              |
| TM-2225                    | 25                   | 22 | 100 | 6  | 50 | 0.69              |

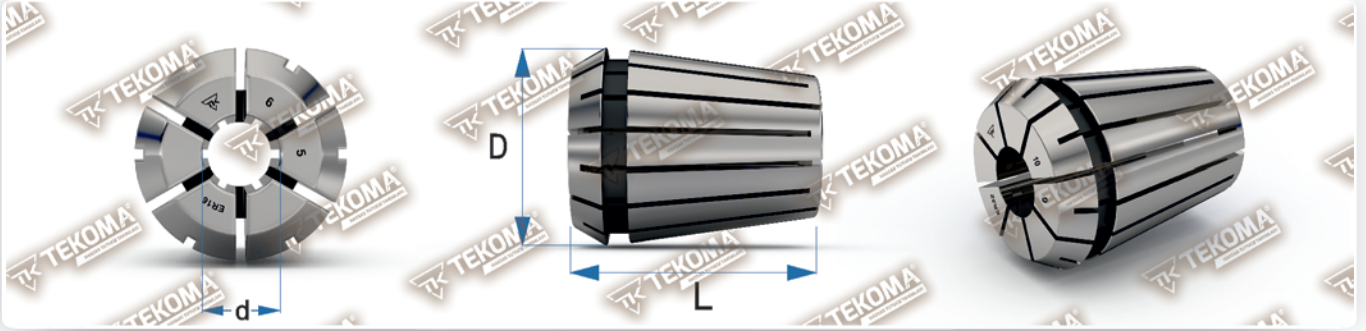
**Ø32 Gövde CNC Torna Mandren Tutucusu**  
 Ø32 Body CNC Lathe Mandren Holder

| Sipariş Kodu<br>Order Code | Ölçüler (Dimensions) |    |     |    |    | Ağırlık<br>Weight |
|----------------------------|----------------------|----|-----|----|----|-------------------|
|                            | D                    | d  | L   | L1 | L2 |                   |
| TM-1632                    | 32                   | 16 | 89  | 6  | 55 | 0.75              |
| TM-1832                    | 32                   | 18 | 97  | 6  | 55 | 0.77              |
| TM-2232                    | 32                   | 22 | 105 | 6  | 55 | 0.79              |

**Ø40 Gövde CNC Torna Mandren Tutucusu**  
 Ø40 Body CNC Lathe Mandren Holder

| Sipariş Kodu<br>Order Code | Ölçüler (Dimensions) |    |     |    |    | Ağırlık<br>Weight |
|----------------------------|----------------------|----|-----|----|----|-------------------|
|                            | D                    | d  | L   | L1 | L2 |                   |
| TM-1640                    | 40                   | 16 | 94  | 6  | 60 | 0.85              |
| TM-1840                    | 40                   | 18 | 102 | 6  | 60 | 0.87              |
| TM-2240                    | 40                   | 22 | 110 | 6  | 60 | 0.89              |
| TM-2440                    | 40                   | 24 | 120 | 6  | 60 | 0.90              |




**ER16 Pens Sistemi ER DIN 6499 B**

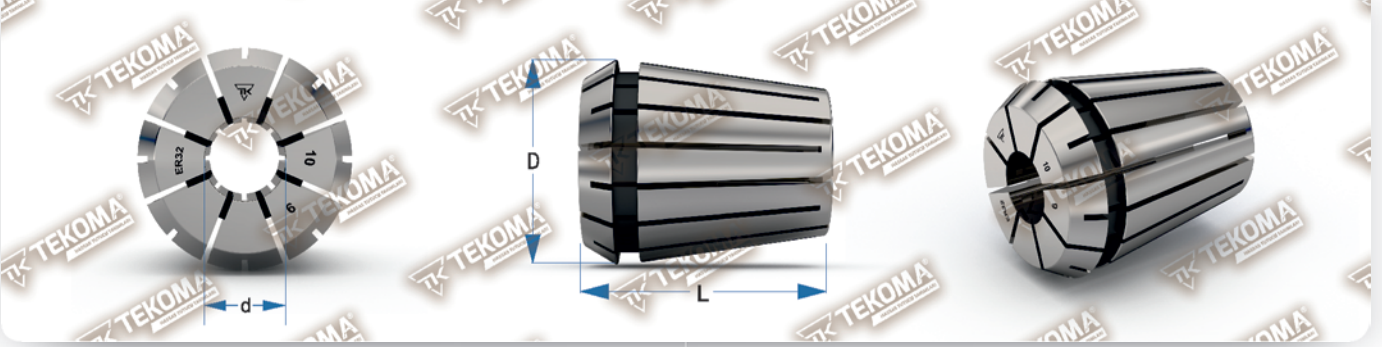
| Sipariş Kodu<br>Order Code | Ürün Adı<br>Product Name | Kapasite<br>Capacity<br>d | Ölçüler (Dimensions) |      |
|----------------------------|--------------------------|---------------------------|----------------------|------|
|                            |                          |                           | D                    | L    |
| TPS-01-426                 | ER-16/426                | 1                         | 17                   | 27,5 |
| TPS-02-426                 | ER-16/426                | 2-1                       | 17                   | 27,5 |
| TPS-03-426                 | ER-16/426                | 3-2                       | 17                   | 27,5 |
| TPS-04-426                 | ER-16/426                | 4-3                       | 17                   | 27,5 |
| TPS-05-426                 | ER-16/426                | 5-4                       | 17                   | 27,5 |
| TPS-06-426                 | ER-16/426                | 6-5                       | 17                   | 27,5 |
| TPS-07-426                 | ER-16/426                | 7-6                       | 17                   | 27,5 |
| TPS-08-426                 | ER-16/426                | 8-7                       | 17                   | 27,5 |
| TPS-09-426                 | ER-16/426                | 9-8                       | 17                   | 27,5 |
| TPS-10-426                 | ER-16/426                | 10-9                      | 17                   | 27,5 |

**ER20 Pens Sistemi ER DIN 6499 B**

| Sipariş Kodu<br>Order Code | Ürün Adı<br>Product Name | Kapasite<br>Capacity<br>d | Ölçüler (Dimensions) |      |
|----------------------------|--------------------------|---------------------------|----------------------|------|
|                            |                          |                           | D                    | L    |
| TPS-02-428                 | ER-20/428                | 2                         | 21                   | 31,5 |
| TPS-03-428                 | ER-20/428                | 3-2                       | 21                   | 31,5 |
| TPS-04-428                 | ER-20/428                | 4-3                       | 21                   | 31,5 |
| TPS-05-428                 | ER-20/428                | 5-4                       | 21                   | 31,5 |
| TPS-06-428                 | ER-20/428                | 6-5                       | 21                   | 31,5 |
| TPS-07-428                 | ER-20/428                | 7-6                       | 21                   | 31,5 |
| TPS-08-428                 | ER-20/428                | 8-7                       | 21                   | 31,5 |
| TPS-09-428                 | ER-20/428                | 9-8                       | 21                   | 31,5 |
| TPS-10-428                 | ER-20/428                | 10-9                      | 21                   | 31,5 |
| TPS-11-428                 | ER-20/428                | 11-10                     | 21                   | 31,5 |
| TPS-12-428                 | ER-20/428                | 12-11                     | 21                   | 31,5 |
| TPS-13-428                 | ER-20/428                | 13-12                     | 21                   | 31,5 |

**ER25 Pens Sistemi ER DIN 6499 B**

| Sipariş Kodu<br>Order Code | Ürün Adı<br>Product Name | Kapasite<br>Capacity<br>d | Ölçüler (Dimensions) |    |
|----------------------------|--------------------------|---------------------------|----------------------|----|
|                            |                          |                           | D                    | L  |
| TPS-02-430                 | ER-25/430                | 2                         | 26                   | 34 |
| TPS-03-430                 | ER-25/430                | 3-2                       | 26                   | 34 |
| TPS-04-430                 | ER-25/430                | 4-3                       | 26                   | 34 |
| TPS-05-430                 | ER-25/430                | 5-4                       | 26                   | 34 |
| TPS-06-430                 | ER-25/430                | 6-5                       | 26                   | 34 |
| TPS-07-430                 | ER-25/430                | 7-6                       | 26                   | 34 |
| TPS-08-430                 | ER-25/430                | 8-7                       | 26                   | 34 |
| TPS-09-430                 | ER-25/430                | 9-8                       | 26                   | 34 |
| TPS-10-430                 | ER-25/430                | 10-9                      | 26                   | 34 |
| TPS-11-430                 | ER-25/430                | 11-10                     | 26                   | 34 |
| TPS-12-430                 | ER-25/430                | 12-11                     | 26                   | 34 |
| TPS-13-430                 | ER-25/430                | 13-12                     | 26                   | 34 |
| TPS-14-430                 | ER-25/430                | 14-13                     | 26                   | 34 |
| TPS-15-430                 | ER-25/430                | 15-14                     | 26                   | 34 |
| TPS-16-430                 | ER-25/430                | 16-15                     | 26                   | 34 |


 Pens Sistemi  
 ER DIN 6499B

**ER32 Pens Sistemi ER DIN 6499 B**

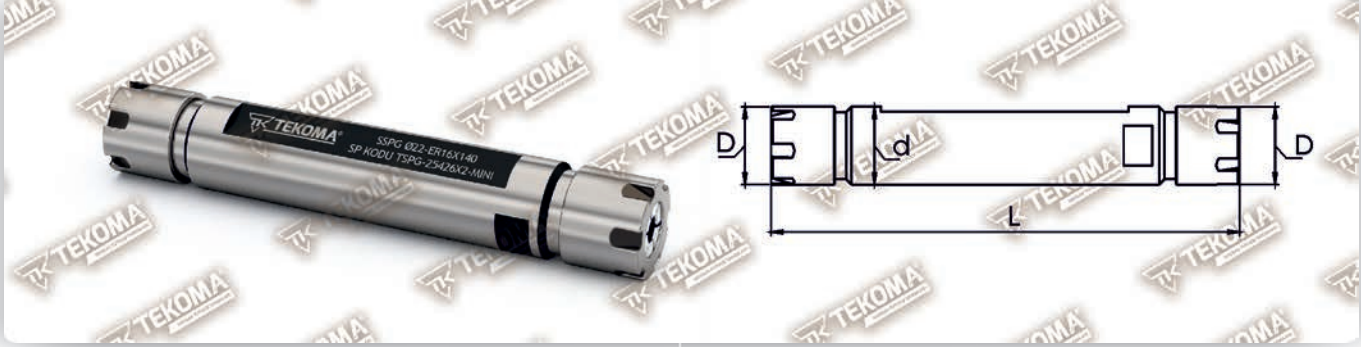
ER32Collet System ER DIN 6499 B

| Sipariş Kodu<br>Order Code | Ürün Adı<br>Product Name | Kapasite<br>Capacity<br>d | Ölçüler (Dimensions) |    |  |
|----------------------------|--------------------------|---------------------------|----------------------|----|--|
|                            |                          |                           | D                    | L  |  |
| TPS-02-470                 | ER-32/470                | 2                         | 33                   | 40 |  |
| TPS-03-470                 | ER-32/470                | 3-2                       | 33                   | 40 |  |
| TPS-04-470                 | ER-32/470                | 4-3                       | 33                   | 40 |  |
| TPS-05-470                 | ER-32/470                | 5-4                       | 33                   | 40 |  |
| TPS-06-470                 | ER-32/470                | 6-5                       | 33                   | 40 |  |
| TPS-07-470                 | ER-32/470                | 7-6                       | 33                   | 40 |  |
| TPS-08-470                 | ER-32/470                | 8-7                       | 33                   | 40 |  |
| TPS-09-470                 | ER-32/470                | 9-8                       | 33                   | 40 |  |
| TPS-10-470                 | ER-32/470                | 10-9                      | 33                   | 40 |  |
| TPS-11-470                 | ER-32/470                | 11-10                     | 33                   | 40 |  |
| TPS-12-470                 | ER-32/470                | 12-11                     | 33                   | 40 |  |
| TPS-13-470                 | ER-32/470                | 13-12                     | 33                   | 40 |  |
| TPS-14-470                 | ER-32/470                | 14-13                     | 33                   | 40 |  |
| TPS-15-470                 | ER-32/470                | 15-14                     | 33                   | 40 |  |
| TPS-16-470                 | ER-32/470                | 16-15                     | 33                   | 40 |  |
| TPS-17-470                 | ER-32/470                | 17-16                     | 33                   | 40 |  |
| TPS-18-470                 | ER-32/470                | 18-17                     | 33                   | 40 |  |
| TPS-19-470                 | ER-32/470                | 19-18                     | 33                   | 40 |  |
| TPS-20-470                 | ER-32/470                | 20-19                     | 33                   | 40 |  |

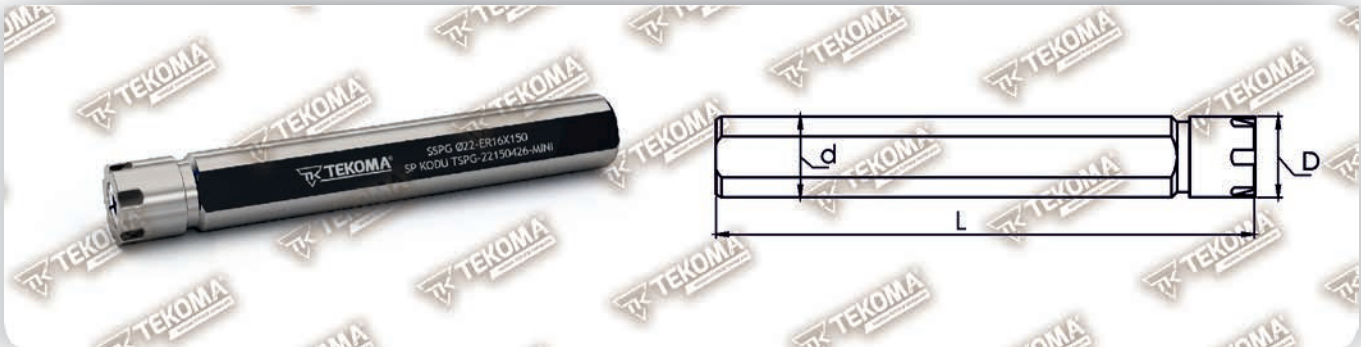
**ER40 Pens Sistemi ER DIN 6499 B**

ER40Collet System ER DIN 6499 B

| Sipariş Kodu<br>Order Code | Ürün Adı<br>Product Name | Kapasite<br>Capacity<br>d | Ölçüler (Dimensions) |    |  |
|----------------------------|--------------------------|---------------------------|----------------------|----|--|
|                            |                          |                           | D                    | L  |  |
| TPS-02-472                 | ER-40/472                | 2                         | 41                   | 46 |  |
| TPS-03-472                 | ER-40/472                | 3-2                       | 41                   | 46 |  |
| TPS-04-472                 | ER-40/472                | 4-3                       | 41                   | 46 |  |
| TPS-05-472                 | ER-40/472                | 5-4                       | 41                   | 46 |  |
| TPS-06-472                 | ER-40/472                | 6-5                       | 41                   | 46 |  |
| TPS-07-472                 | ER-40/472                | 7-6                       | 41                   | 46 |  |
| TPS-08-472                 | ER-40/472                | 8-7                       | 41                   | 46 |  |
| TPS-09-472                 | ER-40/472                | 9-8                       | 41                   | 46 |  |
| TPS-10-472                 | ER-40/472                | 10-9                      | 41                   | 46 |  |
| TPS-11-472                 | ER-40/472                | 11-10                     | 41                   | 46 |  |
| TPS-12-472                 | ER-40/472                | 12-11                     | 41                   | 46 |  |
| TPS-13-472                 | ER-40/472                | 13-12                     | 41                   | 46 |  |
| TPS-14-472                 | ER-40/472                | 14-13                     | 41                   | 46 |  |
| TPS-15-472                 | ER-40/472                | 15-14                     | 41                   | 46 |  |
| TPS-16-472                 | ER-40/472                | 16-15                     | 41                   | 46 |  |
| TPS-17-472                 | ER-40/472                | 17-16                     | 41                   | 46 |  |
| TPS-18-472                 | ER-40/472                | 18-17                     | 41                   | 46 |  |
| TPS-19-472                 | ER-40/472                | 19-18                     | 41                   | 46 |  |
| TPS-20-472                 | ER-40/472                | 20-19                     | 41                   | 46 |  |
| TPS-21-472                 | ER-40/472                | 21-20                     | 41                   | 46 |  |
| TPS-22-472                 | ER-40/472                | 22-21                     | 41                   | 46 |  |
| TPS-23-472                 | ER-40/472                | 23-22                     | 41                   | 46 |  |
| TPS-24-472                 | ER-40/472                | 24-23                     | 41                   | 46 |  |
| TPS-25-472                 | ER-40/472                | 25-24                     | 41                   | 46 |  |
| TPS-26-472                 | ER-40/472                | 26-25                     | 41                   | 46 |  |

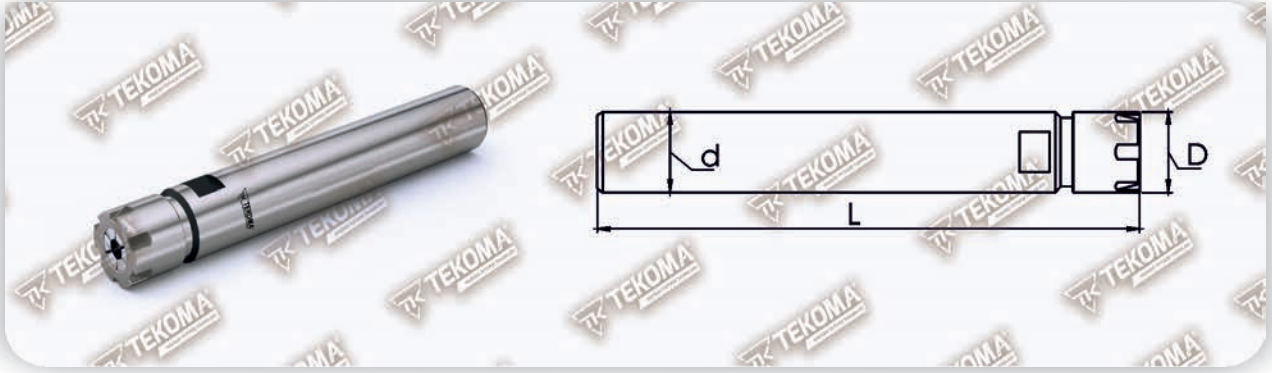


| Sipariş Kodu<br>Order Code | Pens Kapağı ER Tipi<br>Clamping Nuts ER | Kapasite<br>Capacity | Ölçüler (Dimensions) |    |    | Ağırlık<br>Weight |
|----------------------------|-----------------------------------------|----------------------|----------------------|----|----|-------------------|
|                            |                                         |                      | L                    | D  | d  |                   |
| TSPG-22140426x2-M          | ER16/426-Mini Kapak                     | 2-10 mm              | 140                  | 22 | 22 | 0.27              |
| TSPG-25140426x2-M          | ER16/426-Mini Kapak                     | 2-10 mm              | 140                  | 22 | 25 | 0.35              |



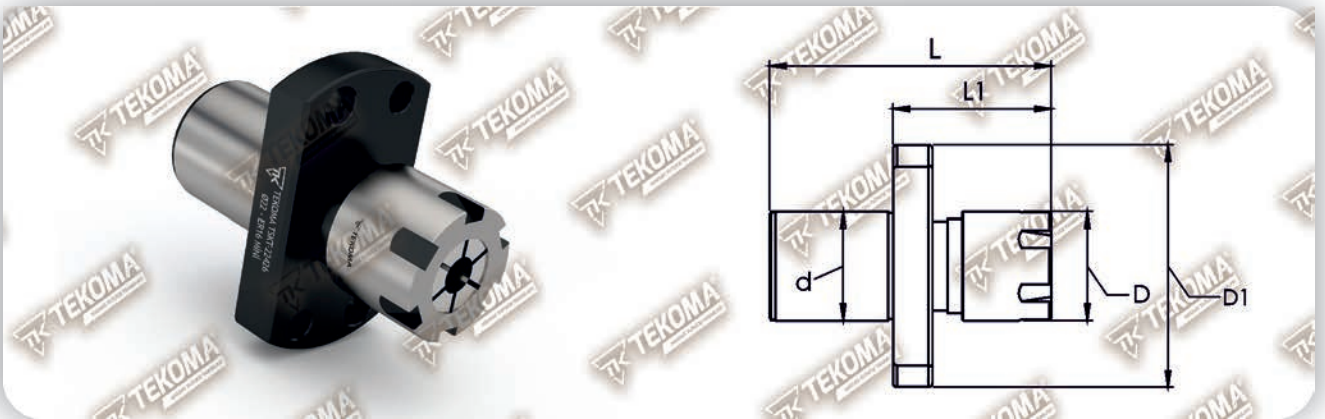
| Sipariş Kodu<br>Order Code | Pens Kapağı ER Tipi<br>Clamping Nuts ER | Kapasite<br>Capacity | Ölçüler (Dimensions) |    |    | Ağırlık<br>Weight |
|----------------------------|-----------------------------------------|----------------------|----------------------|----|----|-------------------|
|                            |                                         |                      | L                    | D  | d  |                   |
| TSPG-22100426-M            | ER16/426-Mini Kapak                     | 2-10 mm              | 100                  | 22 | 22 | 0.28              |
| TSPG-22150426-M            | ER16/426-Mini Kapak                     | 2-10 mm              | 150                  | 22 | 22 | 0.37              |



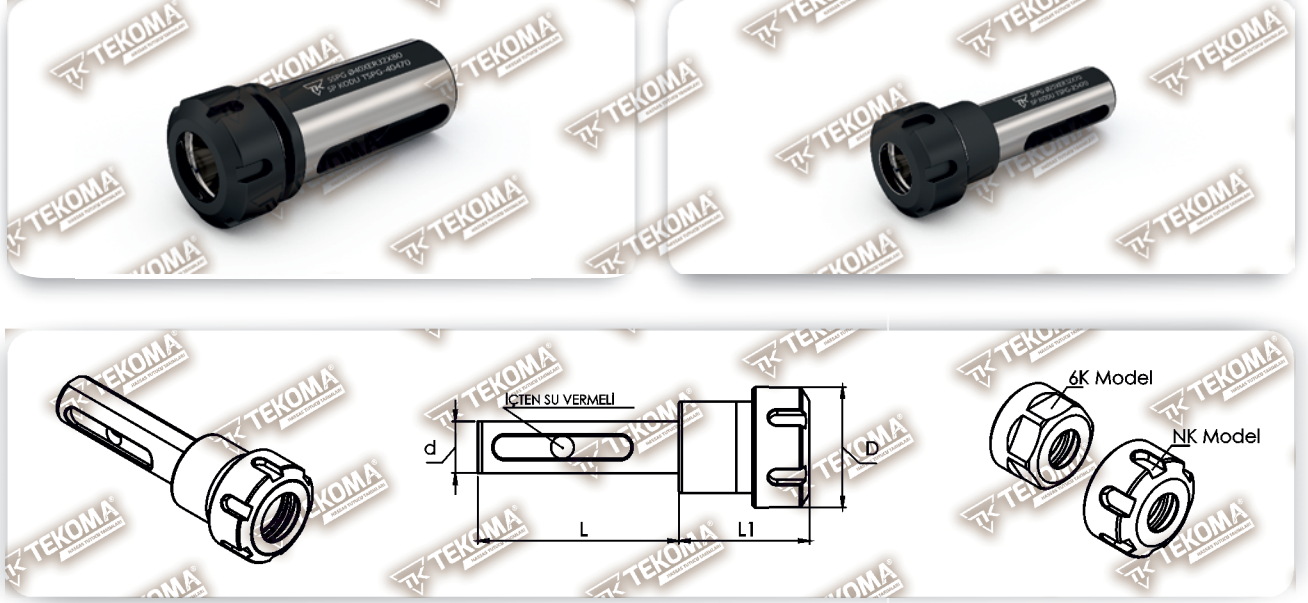


| Sipariş Kodu<br>Order Code | Pens Kapağı ER Tipi<br>Clamping Nuts ER | Kapasite<br>Capacity | Ölçüler (Dimensions) |    |    | Ağırlık<br>Weight |
|----------------------------|-----------------------------------------|----------------------|----------------------|----|----|-------------------|
|                            |                                         |                      | L                    | D  | d  |                   |
| TSPG-16100426-M            | ER16/426-Mini Kapak                     | 1-10 mm              | 100                  | 22 | 16 | 0,140             |
| TSPG-16150426-M            | ER16/426-Mini Kapak                     | 1-10 mm              | 150                  | 22 | 16 | 0,220             |
| TSPG-16200426-M            | ER16/426-Mini Kapak                     | 1-10 mm              | 200                  | 22 | 16 | 0,300             |
| TSPG-20100426-M            | ER16/426-Mini Kapak                     | 1-10 mm              | 100                  | 22 | 20 | 0,210             |
| TSPG-20150426-M            | ER16/426-Mini Kapak                     | 1-10 mm              | 150                  | 22 | 20 | 0,330             |
| TSPG-20200426-M            | ER16/426-Mini Kapak                     | 1-10 mm              | 200                  | 22 | 20 | 0,460             |
| TSPG-20250426-M            | ER16/426-Mini Kapak                     | 1-10 mm              | 250                  | 22 | 20 | 0,580             |
| TSPG-20300426-M            | ER16/426-Mini Kapak                     | 1-10 mm              | 300                  | 22 | 20 | 0,710             |

## Kayar Sabit Pens Tutucu • Sliding Fixed Collet Holder



| Sipariş Kodu<br>Order Code | Pens Kapağı ER Tipi<br>Clamping Nuts ER | Kapasite<br>Capacity | Ölçüler (Dimensions) |    |    |    |    | Ağırlık<br>Weight |
|----------------------------|-----------------------------------------|----------------------|----------------------|----|----|----|----|-------------------|
|                            |                                         |                      | L                    | L1 | D  | D1 | d  |                   |
| TSKT-22426                 | ER16/426-Mini Kapak                     | 1-10 mm              | 57                   | 32 | 22 | 49 | 22 | 0,23              |



Ø20 Silindirik

| Model Type | Sipariş Kodu<br>Order Code | Pens Kapağı ER Tipi<br>Clamping Nuts ER | Kapasite<br>Capacity | Ölçüler (Dimensions) |    |    |    | Ağırlık<br>Weight |
|------------|----------------------------|-----------------------------------------|----------------------|----------------------|----|----|----|-------------------|
|            |                            |                                         |                      | L                    | L1 | D  | d  |                   |
| NK         | TSPG-20426                 | ER16/426                                | 1-10 mm              | 70                   | 27 | 32 | 20 | 0.25              |
| 6K         | TSPG-20428                 | ER20/428-6K                             | 2-12 mm              | 70                   | 36 | 34 | 20 | 0.25              |
| NK         | TSPG-20430                 | ER25/430                                | 2-16 mm              | 70                   | 47 | 42 | 20 | 0.40              |
| NK         | TSPG-20470                 | ER32/470                                | 2-20 mm              | 70                   | 53 | 50 | 20 | 0.55              |

Ø25 Silindirik

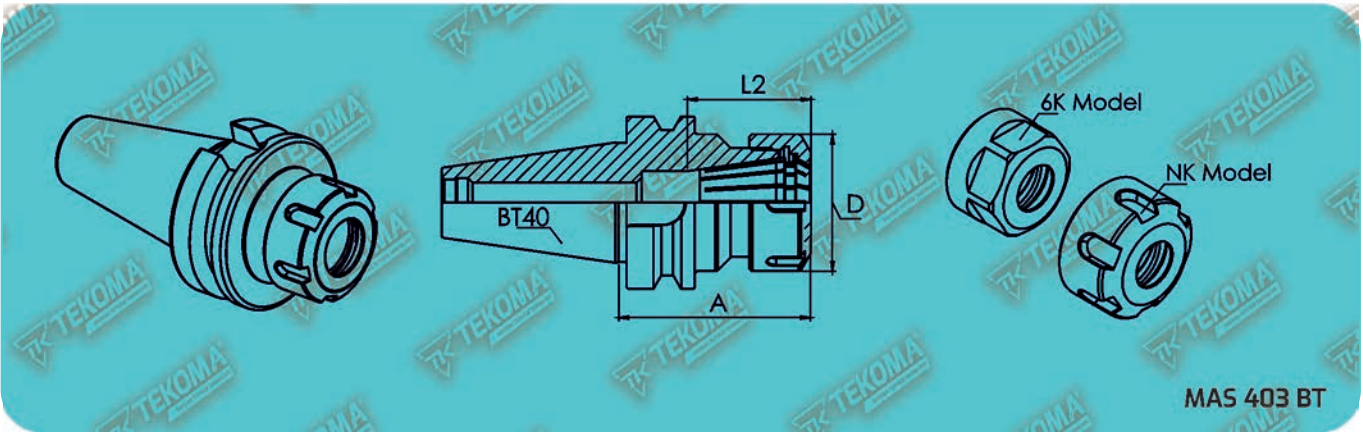
| Model Type | Sipariş Kodu<br>Order Code | Pens Kapağı ER Tipi<br>Clamping Nuts ER | Kapasite<br>Capacity | Ölçüler (Dimensions) |    |    |    | Ağırlık<br>Weight |
|------------|----------------------------|-----------------------------------------|----------------------|----------------------|----|----|----|-------------------|
|            |                            |                                         |                      | L                    | L1 | D  | d  |                   |
| NK         | TSPG-25426                 | ER16/426                                | 1-10 mm              | 70                   | 30 | 32 | 25 | 0.25              |
| 6K         | TSPG-25428                 | ER20/428-6K                             | 2-12 mm              | 70                   | 36 | 34 | 25 | 0.35              |
| NK         | TSPG-25430                 | ER25/430                                | 2-16 mm              | 70                   | 47 | 42 | 25 | 0.50              |
| NK         | TSPG-25470                 | ER32/470                                | 2-20 mm              | 70                   | 53 | 50 | 25 | 0.60              |

Ø32 Silindirik

| Model Type | Sipariş Kodu<br>Order Code | Pens Kapağı ER Tipi<br>Clamping Nuts ER | Kapasite<br>Capacity | Ölçüler (Dimensions) |    |    |    | Ağırlık<br>Weight |
|------------|----------------------------|-----------------------------------------|----------------------|----------------------|----|----|----|-------------------|
|            |                            |                                         |                      | L                    | L1 | D  | d  |                   |
| NK         | TSPG-32426                 | ER16/426                                | 1-10 mm              | 80                   | 32 | 32 | 32 | 0.25              |
| 6K         | TSPG-32428                 | ER20/428-6K                             | 2-12 mm              | 80                   | 36 | 34 | 32 | 0.60              |
| NK         | TSPG-32430                 | ER25/430                                | 2-16 mm              | 80                   | 38 | 42 | 32 | 0.65              |
| NK         | TSPG-32470                 | ER32/470                                | 2-20 mm              | 80                   | 48 | 50 | 32 | 0.76              |
| NK         | TSPG-32472                 | ER40/472                                | 2-26 mm              | 80                   | 60 | 63 | 32 | 1.15              |

Ø40 Silindirik

| Model Type | Sipariş Kodu<br>Order Code | Pens Kapağı ER Tipi<br>Clamping Nuts ER | Kapasite<br>Capacity | Ölçüler (Dimensions) |    |    |    | Ağırlık<br>Weight |
|------------|----------------------------|-----------------------------------------|----------------------|----------------------|----|----|----|-------------------|
|            |                            |                                         |                      | L                    | L1 | D  | d  |                   |
| NK         | TSPG-40430                 | ER25/430                                | 2-16 mm              | 85                   | 38 | 42 | 40 | 0.35              |
| NK         | TSPG-40470                 | ER32/470                                | 2-20 mm              | 85                   | 39 | 50 | 40 | 0.50              |
| NK         | TSPG-40472                 | ER40/472                                | 2-26 mm              | 85                   | 50 | 63 | 40 | 0.60              |

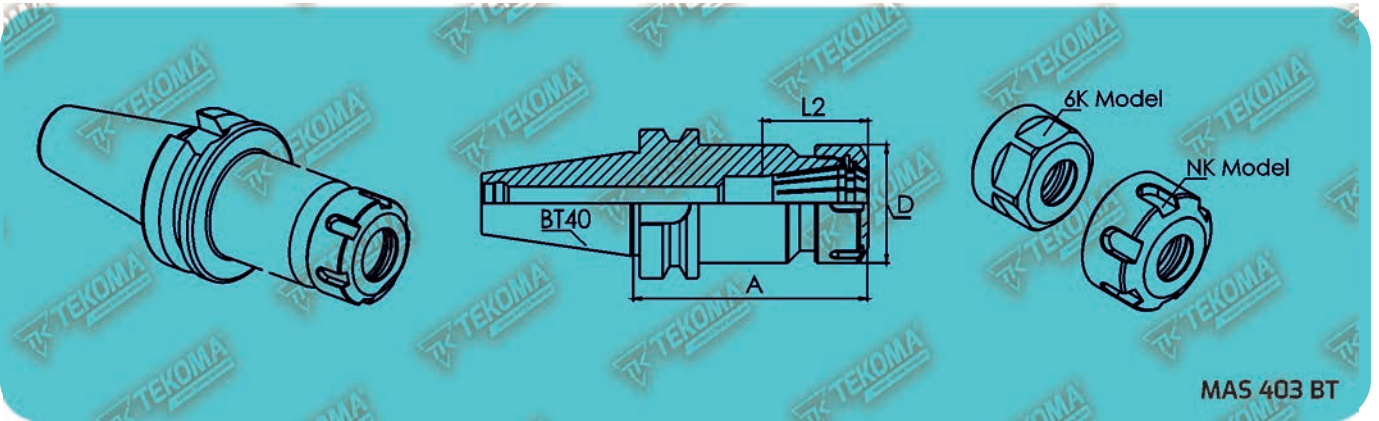


| Model Type | Sipariş Kodu Order Code | BT Tipi BT Type | Pens Kapağı ER Tipi Clamping Nuts ER | Kapasite Capacity | Ölçüler (Dimensions) |    |    |    |    | Ağırlık Weight |
|------------|-------------------------|-----------------|--------------------------------------|-------------------|----------------------|----|----|----|----|----------------|
|            |                         |                 |                                      |                   | A                    | D  | D1 | L1 | L2 |                |
| 6K         | TP- 40.1.10.63-6K       | BT40            | ER16/426-6K                          | 1-10 mm           | 63                   | 28 | -  | -  | 32 | 1.09           |
| NK         | TP- 40.1.10.63          | BT40            | ER16/426                             | 1-10 mm           | 63                   | 32 | -  | -  | 32 | 1.10           |
| NK         | TP- 40.2.16.60          | BT40            | ER25/430                             | 2-16 mm           | 60                   | 42 | -  | -  | 42 | 1.10           |
| NK         | TP- 40.2.20.70          | BT40            | ER32/470                             | 2-20 mm           | 70                   | 50 | -  | -  | 48 | 1.30           |
| NK         | TP- 40.3.26.80          | BT40            | ER40/472                             | 3-26 mm           | 80                   | 63 | -  | -  | 55 | 1.65           |



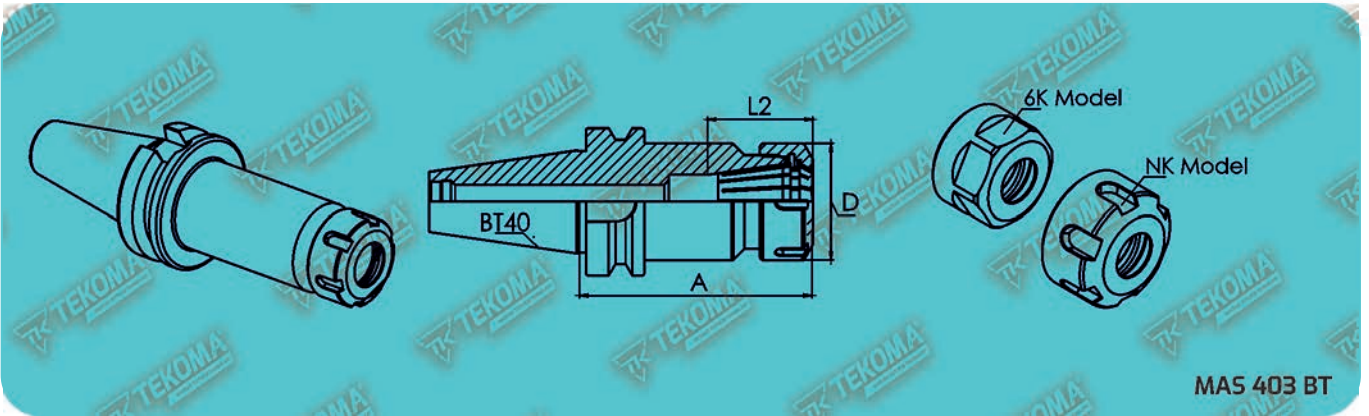
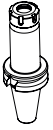


BT40 100mm  
Boy Pens Başlığı



| Model Type | Sipariş Kodu<br>Order Code | BT Tipi<br>BT Type | Pens Kapağı ER Tipi<br>Clamping Nuts ER | Kapasite<br>Capacity | Ölçüler (Dimensions) |    |    |    |    | Ağırlık<br>Weight |
|------------|----------------------------|--------------------|-----------------------------------------|----------------------|----------------------|----|----|----|----|-------------------|
|            |                            |                    |                                         |                      | A                    | D  | D1 | L1 | L2 |                   |
| 6K         | TP- 40.1.10.100-6K         | BT40               | ER16/426-6K                             | 1-10 mm              | 100                  | 28 | -  | -  | 32 | 1.22              |
| NK         | TP- 40.1.10.100            | BT40               | ER16/426                                | 1-10 mm              | 100                  | 32 | -  | -  | 32 | 1.25              |
| NK         | TP- 40.2.16.100            | BT40               | ER25/430                                | 2-16 mm              | 100                  | 42 | -  | -  | 42 | 1.50              |
| NK         | TP- 40.2.20.100            | BT40               | ER32/470                                | 2-20 mm              | 100                  | 50 | -  | -  | 48 | 1.70              |
| NK         | TP- 40.3.26.100            | BT40               | ER40 472                                | 3-26 mm              | 100                  | 63 | -  | -  | 55 | 2.10              |

BT40 130 mm  
Boy Pens Başlığı

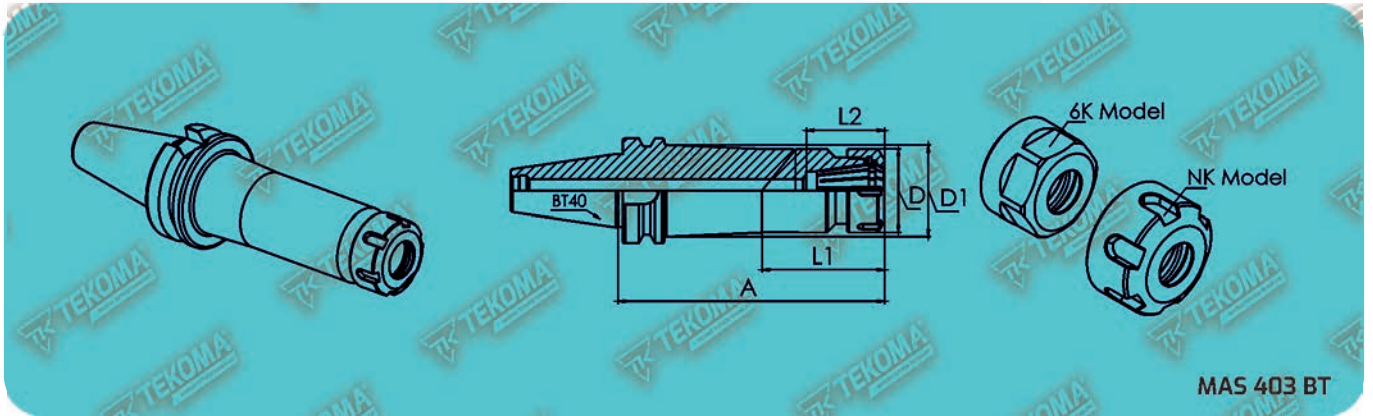


| Model Type | Sipariş Kodu<br>Order Code | BT Tipi<br>BT Type | Pens Kapağı ER Tipi<br>Clamping Nuts ER | Kapasite<br>Capacity | Ölçüler (Dimensions) |    |    |    |    | Ağırlık<br>Weight |
|------------|----------------------------|--------------------|-----------------------------------------|----------------------|----------------------|----|----|----|----|-------------------|
|            |                            |                    |                                         |                      | A                    | D  | D1 | L1 | L2 |                   |
| 6K         | TP- 40.110.130-6K          | BT40               | ER16/426-6K                             | 1-10 mm              | 130                  | 28 | -  | -  | 32 | 1.33              |
| NK         | TP- 40.110.130             | BT40               | ER16/426                                | 1-10 mm              | 130                  | 32 | -  | -  | 32 | 1.35              |
| NK         | TP- 40.2.16.130            | BT40               | ER25/430                                | 2-16 mm              | 130                  | 42 | -  | -  | 42 | 1.80              |
| NK         | TP- 40.2.20.130            | BT40               | ER32/470                                | 2-20 mm              | 130                  | 50 | -  | -  | 48 | 2.15              |
| NK         | TP- 40.3.26.130            | BT40               | ER40/472                                | 3-26 mm              | 130                  | 63 | -  | -  | 55 | 2.80              |





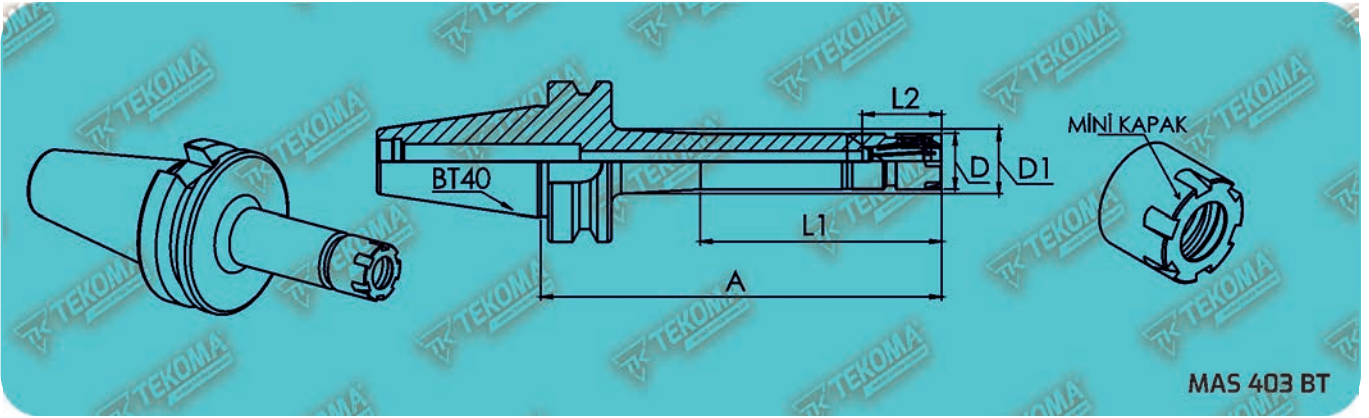
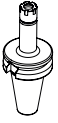
BT40 160 mm  
Boy Pens Başlığı



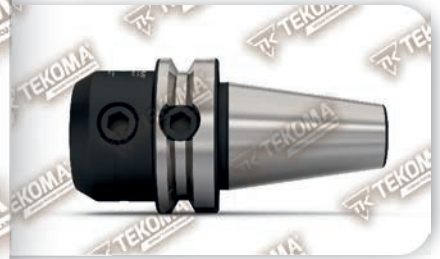
| Model Type | Sipariş Kodu Order Code | BT Tipi BT Type | Pens Kapağı ER Tipi Clamping Nuts ER | Kapasite Capacity | Ölçüler (Dimensions) |    |      |     |    | Ağırlık Weight |
|------------|-------------------------|-----------------|--------------------------------------|-------------------|----------------------|----|------|-----|----|----------------|
|            |                         |                 |                                      |                   | A                    | D  | D1   | L1  | L2 |                |
| 6K         | TP- 40.1.10.160-6K      | BT40            | ER16/426-6K                          | 1-10 mm           | 160                  | 28 | 31,5 | 98  | 32 | 1.49           |
| NK         | TP- 40.1.10.160         | BT40            | ER16/426                             | 1-10 mm           | 160                  | 32 | 31,5 | 98  | 32 | 1.50           |
| NK         | TP- 40.2.16.160         | BT40            | ER25/430                             | 2-16 mm           | 160                  | 42 | 45   | 100 | 42 | 2.15           |
| NK         | TP- 40.2.20.160         | BT40            | ER32/470                             | 2-20 mm           | 160                  | 50 | 53,5 | 101 | 48 | 2.60           |
| NK         | TP- 40.3.26.160         | BT40            | ER40/472                             | 3-26 mm           | 160                  | 63 | -    | -   | 55 | 3.50           |



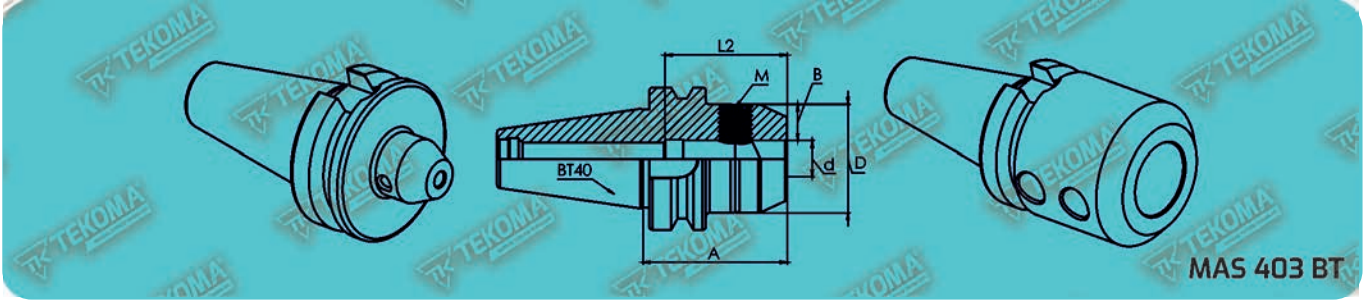
BT40 Mini  
Kapaklı Tutucu



| Model Type | Sipariş Kodu Order Code | BT Tipi BT Type | Pens Kapağı ER Tipi Clamping Nuts ER | Kapasite Capacity | Ölçüler (Dimensions) |    |      |    |    | Ağırlık Weight |
|------------|-------------------------|-----------------|--------------------------------------|-------------------|----------------------|----|------|----|----|----------------|
|            |                         |                 |                                      |                   | A                    | D  | D1   | L1 | L2 |                |
| Mini       | TP- 40.1.10.100-M       | BT40            | ER16/426-Mini                        | 1-10 mm           | 100                  | 22 | -    | -  | 32 | 1,10           |
| Mini       | TP- 40.1.10.130-M       | BT40            | ER16/426-Mini                        | 1-10 mm           | 130                  | 22 | 26,5 | 72 | 32 | 1,25           |
| Mini       | TP- 40.1.10.160-M       | BT40            | ER16/426-Mini                        | 1-10 mm           | 160                  | 22 | 30   | 72 | 32 | 1,35           |



BT40 Standart  
VeldonTutucu



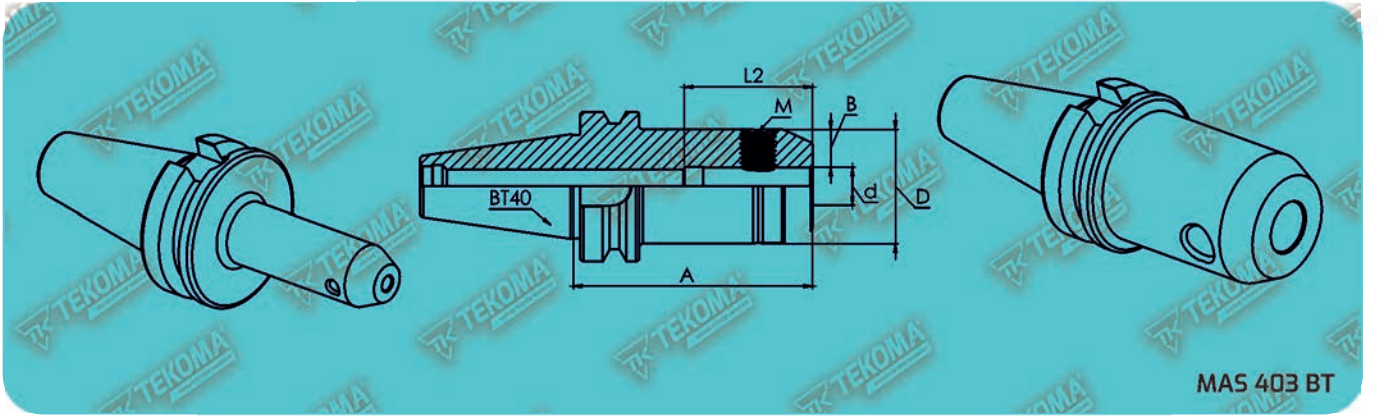
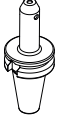
| Sipariş Kodu<br>Order Code        | BT Tipi<br>BT Type | Ölçüler (Dimensions) |     |    |    |       |    | Ağırlık<br>Weight |
|-----------------------------------|--------------------|----------------------|-----|----|----|-------|----|-------------------|
|                                   |                    | d                    | A   | D  | L2 | M     | B  |                   |
| TV-40.06.50                       | BT40               | 6                    | 50  | 25 | 36 | M6    | 10 | 1.06              |
| TV-40.08.50                       | BT40               | 8                    | 50  | 28 | 40 | M8    | 10 | 1.08              |
| TV-40.10.63                       | BT40               | 10                   | 63  | 35 | 44 | M10   | 12 | 1.20              |
| TV-40.12.63                       | BT40               | 12                   | 63  | 42 | 51 | M12   | 16 | 1.27              |
| TV-40.14.63                       | BT40               | 14                   | 63  | 44 | 51 | M12   | 16 | 1.30              |
| TV-40.16.63                       | BT40               | 16                   | 63  | 48 | 54 | M14   | 16 | 1.35              |
| TV-40.18.63                       | BT40               | 18                   | 63  | 50 | 54 | M14   | 16 | 1.36              |
| TV-40.20.63                       | BT40               | 20                   | 63  | 52 | 56 | M16   | 16 | 1.37              |
| Hafifletilmiş Veldon TV-40.25.60  | BT40               | 25                   | 60  | 53 | 64 | M16   | 15 | 1.24              |
| Hafifletilmiş Veldon TV-40.25.90  | BT40               | 25                   | 90  | 63 | 64 | M18x2 | 20 | 2.15              |
| Hafifletilmiş Veldon TV-40.32.75  | BT40               | 32                   | 75  | 63 | 68 | M16   | 16 | 1.64              |
| Hafifletilmiş Veldon TV-40.32.100 | BT40               | 32                   | 100 | 72 | 68 | M20x2 | 20 | 2.70              |
| Hafifletilmiş Veldon TV-40.40.120 | BT40               | 40                   | 120 | 80 | 78 | M20x2 | 20 | 3.50              |

Lightened End Mill Holder

Lightened End Mill Holder



BT40 100 mm  
VeldonTutucu

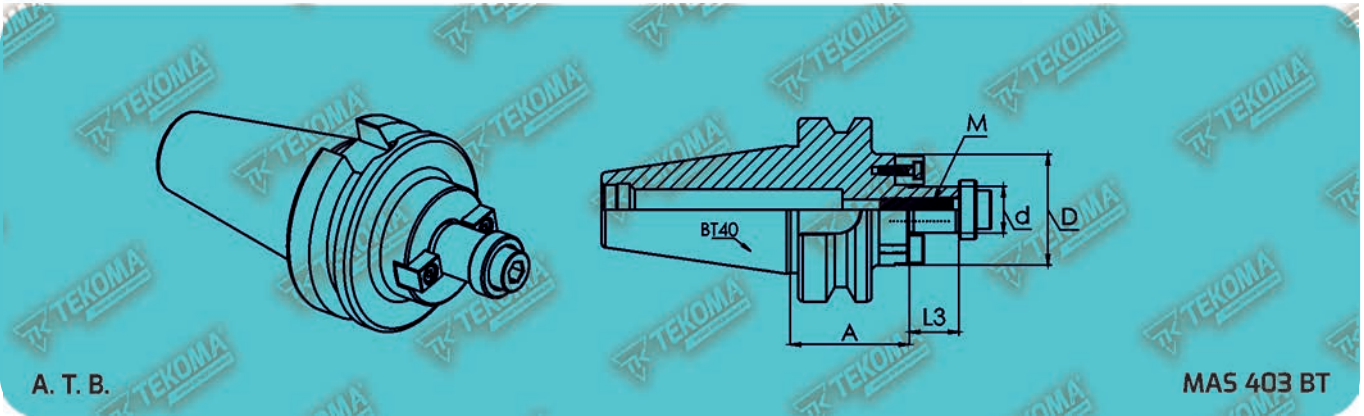


| Sipariş Kodu<br>Order Code | BT Tipi<br>BT Type | Ölçüler (Dimensions) |     |    |    |     |    | Ağırlık<br>Weight |
|----------------------------|--------------------|----------------------|-----|----|----|-----|----|-------------------|
|                            |                    | d                    | A   | D  | L2 | M   | B  |                   |
| TV- 40.06.100              | BT40               | 6                    | 100 | 25 | 36 | M6  | 10 | 1.20              |
| TV- 40.08.100              | BT40               | 8                    | 100 | 28 | 40 | M8  | 10 | 1.27              |
| TV- 40.10.100              | BT40               | 10                   | 100 | 35 | 44 | M10 | 12 | 1.42              |
| TV- 40.12.100              | BT40               | 12                   | 100 | 42 | 51 | M12 | 16 | 1.63              |
| TV- 40.14.100              | BT40               | 14                   | 100 | 44 | 51 | M12 | 16 | 1.69              |
| TV- 40.16.100              | BT40               | 16                   | 100 | 48 | 54 | M14 | 16 | 1.82              |
| TV- 40.18.100              | BT40               | 18                   | 100 | 50 | 54 | M14 | 16 | 1.89              |
| TV- 40.20.100              | BT40               | 20                   | 100 | 52 | 56 | M16 | 16 | 1.94              |

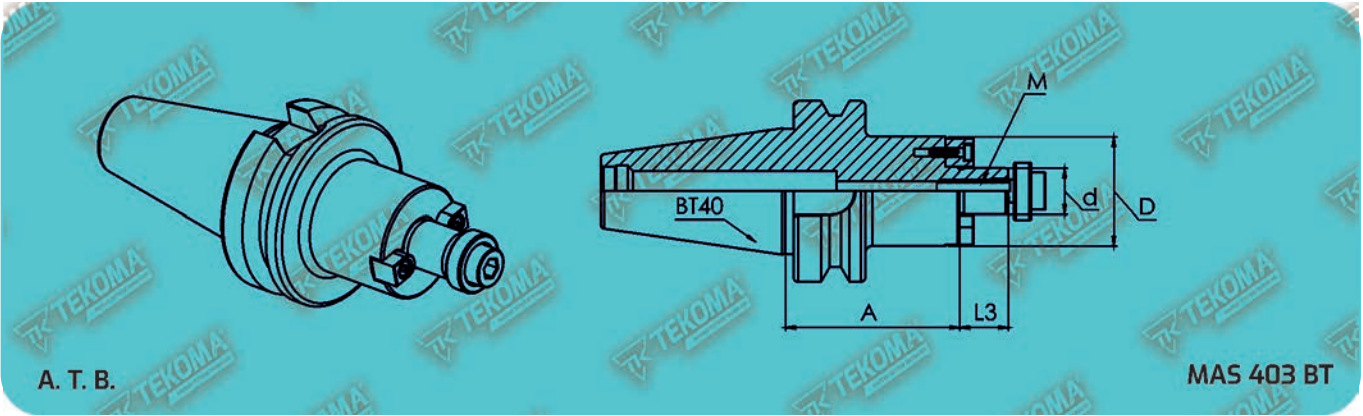
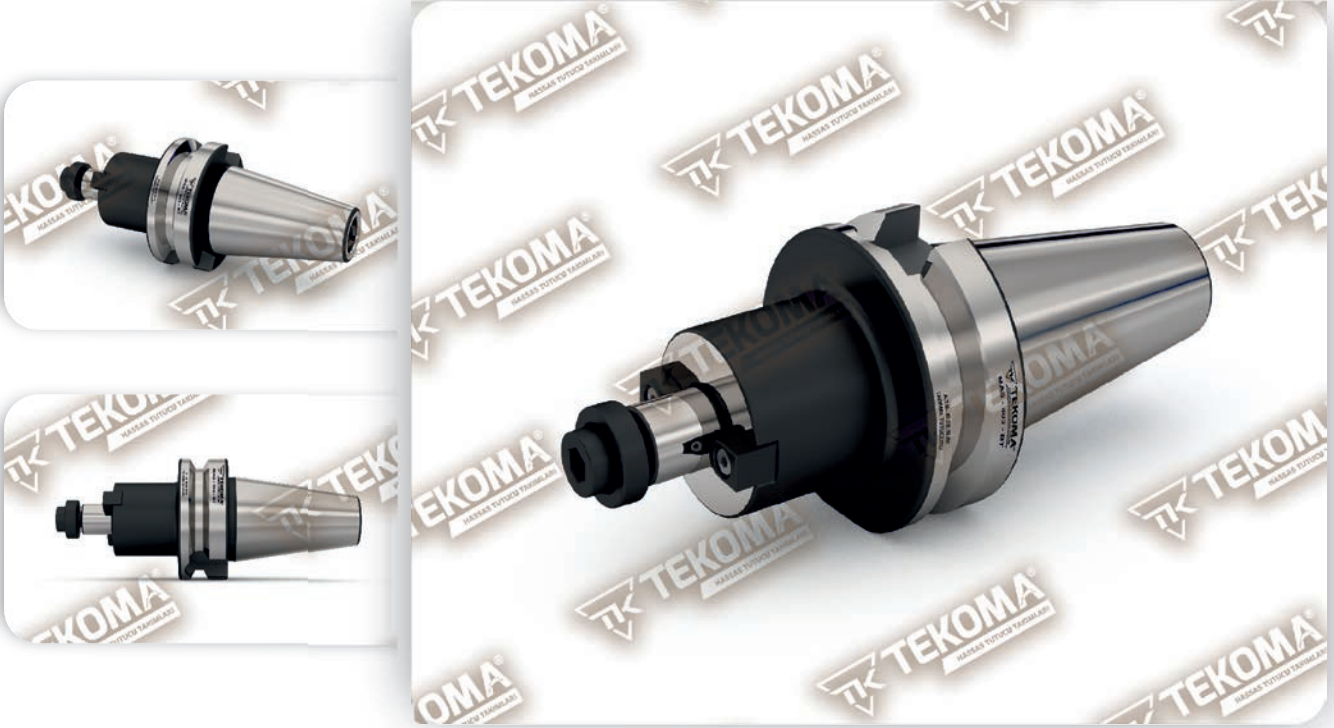
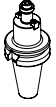




BT40 Alın Kamalı  
Malafa



| Sipariş Kodu<br>Order Code | BT Tipi<br>BT Type | Ölçüler (Dimensions) |    |    |    |    | Ağırlık<br>Weight |
|----------------------------|--------------------|----------------------|----|----|----|----|-------------------|
|                            |                    | M                    | d  | A  | D  | L3 |                   |
| A.T.B - 40.8.16.40         | BT40               | M8x35                | 16 | 40 | 38 | 17 | 1.15              |
| A.T.B - 40.10.22.40        | BT40               | M10                  | 22 | 40 | 48 | 19 | 1.30              |
| A.T.B - 40.12.27.40        | BT40               | M12x45               | 27 | 40 | 60 | 21 | 1.40              |
| A.T.B - 40.16.32.50        | BT40               | M16                  | 32 | 50 | 78 | 24 | 1.95              |
| A.T.B - 40.20.40.50        | BT40               | M20x60               | 40 | 50 | 88 | 27 | 2.15              |

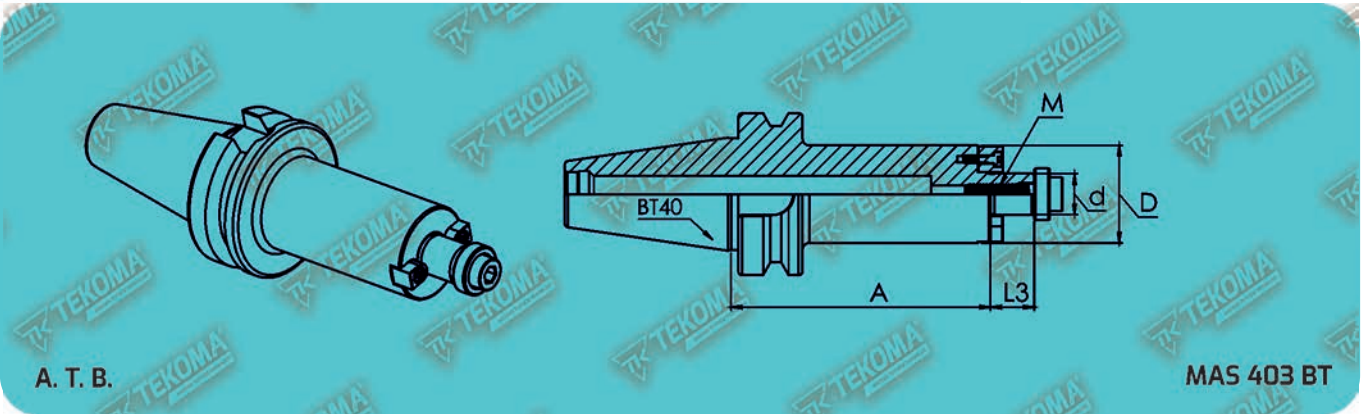


| ARA ÖLÇÜ | Sipariş Kodu<br>Order Code | BT Tipi<br>BT Type | Ölçüler (Dimensions) |    |    |    |    | Ağırlık<br>Weight |
|----------|----------------------------|--------------------|----------------------|----|----|----|----|-------------------|
|          |                            |                    | M                    | d  | A  | D  | L3 |                   |
|          | A.T.B - 40.8.16.60         | BT40               | M8x35                | 16 | 60 | 38 | 17 | 1.32              |
|          | A.T.B - 40.10.22.60        | BT40               | M10                  | 22 | 60 | 48 | 19 | 1.57              |
|          | A.T.B - 40.12.27.60        | BT40               | M12x45               | 27 | 60 | 60 | 21 | 1.80              |





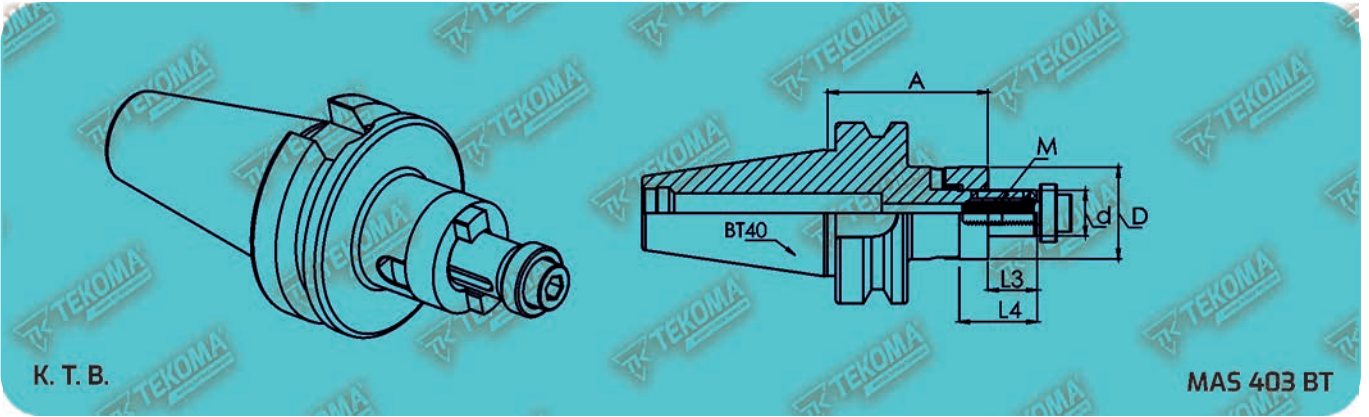
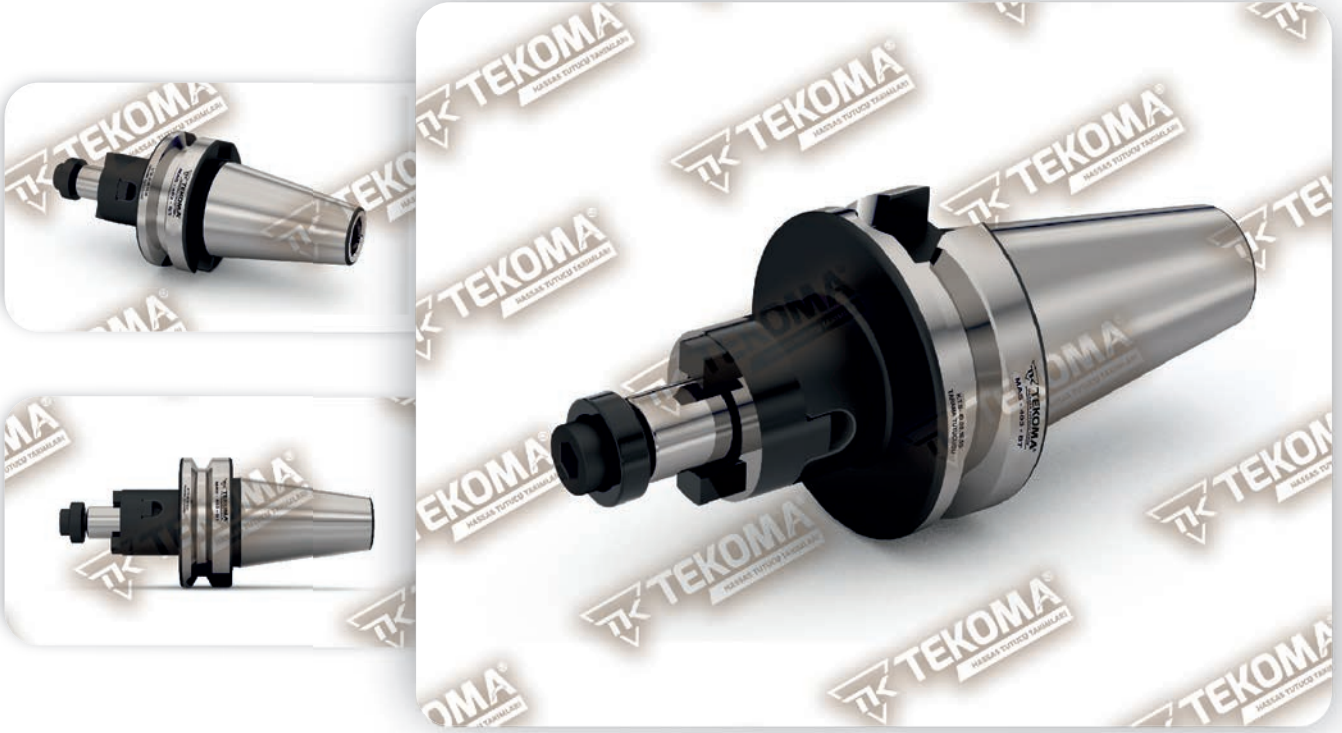
BT40 Alın Kamalı  
Malafa



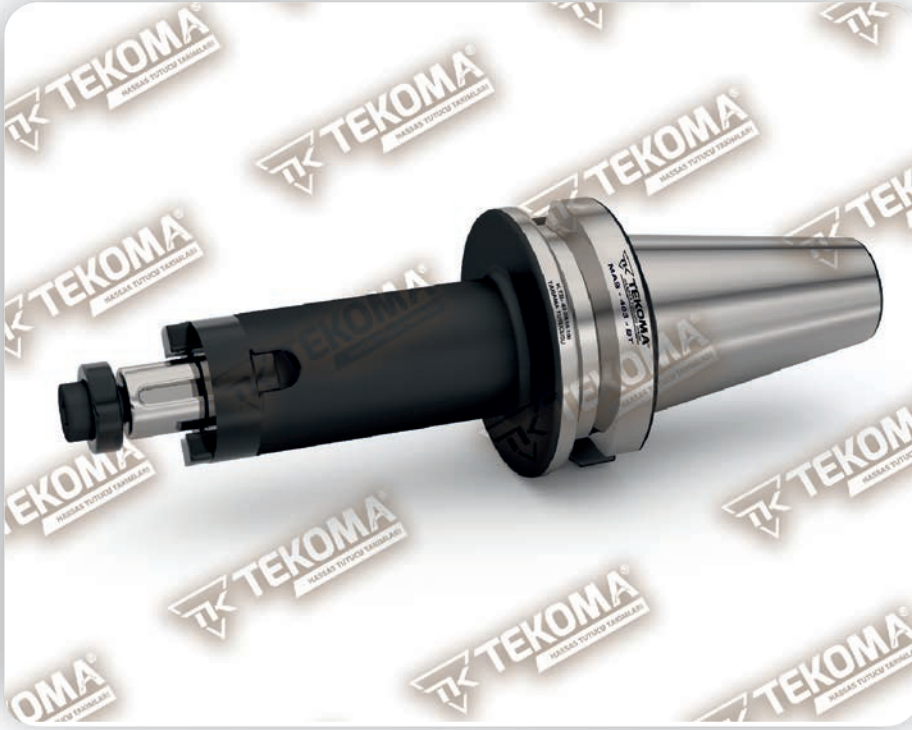
| Sipariş Kodu<br>Order Code | BT Tipi<br>BT Type | Ölçüler (Dimensions) |    |     |    |    | Ağırlık<br>Weight |
|----------------------------|--------------------|----------------------|----|-----|----|----|-------------------|
|                            |                    | M                    | d  | A   | D  | L3 |                   |
| A.T.B - 40.8.16.100        | BT40               | M8x35                | 16 | 100 | 38 | 17 | 1.70              |
| A.T.B - 40.10.22.100       | BT40               | M10x40               | 22 | 100 | 48 | 19 | 2.10              |
| A.T.B - 40.12.27.100       | BT40               | M12x45               | 27 | 100 | 60 | 21 | 2.75              |
| A.T.B - 40.16.32.100       | BT40               | M16x50               | 32 | 100 | 78 | 24 | 3.80              |



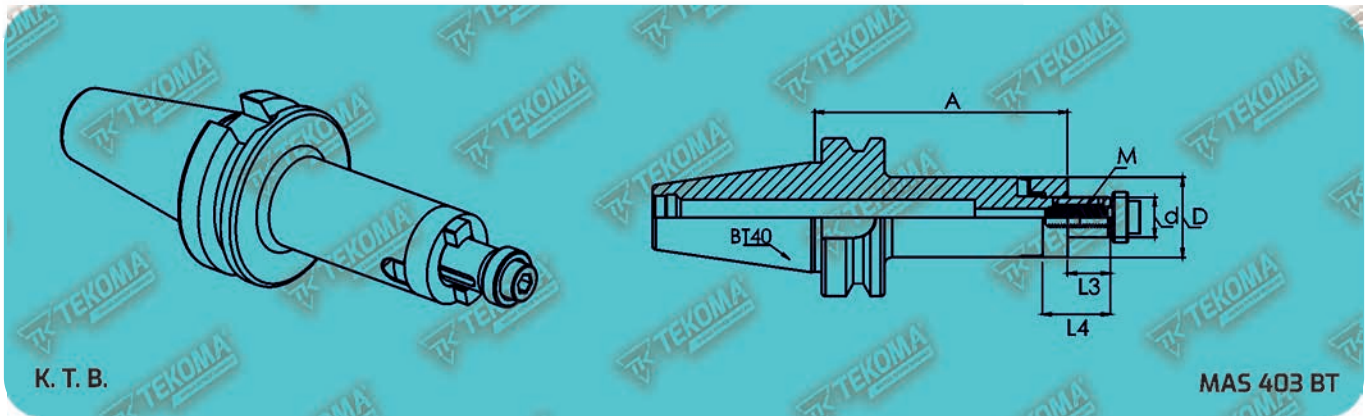
BT40 Kombine  
Malafa



| Sipariş Kodu<br>Order Code | BT Tipi<br>BT Type | Ölçüler (Dimensions) |    |    |    |    |    | Ağırlık<br>Weight |
|----------------------------|--------------------|----------------------|----|----|----|----|----|-------------------|
|                            |                    | M                    | d  | A  | D  | L3 | L4 |                   |
| K.T.B - 40.8.16.55         | BT40               | M8x35                | 16 | 55 | 32 | 17 | 27 | 1.20              |
| K.T.B - 40.10.22.55        | BT40               | M10x40               | 22 | 55 | 40 | 19 | 31 | 1.30              |
| K.T.B - 40.12.27.55        | BT40               | M12x45               | 27 | 55 | 48 | 21 | 33 | 1.45              |
| K.T.B - 40.16.32.60        | BT40               | M16x50               | 32 | 60 | 58 | 24 | 38 | 1.80              |
| K.T.B - 40.20.40.60        | BT40               | M20x60               | 40 | 60 | 70 | 27 | 41 | 2.17              |



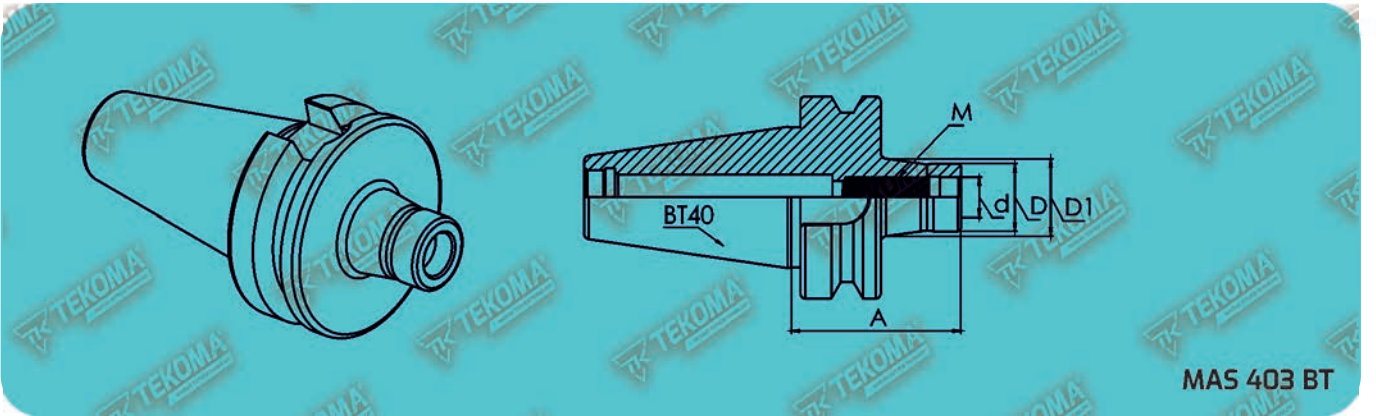
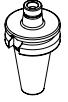
BT40 Kombine  
Malafa



| Sipariş Kodu<br>Order Code | BT Tipi<br>BT Type | Ölçüler (Dimensions) |    |     |    |    |    | Ağırlık<br>Weight |
|----------------------------|--------------------|----------------------|----|-----|----|----|----|-------------------|
|                            |                    | M                    | d  | A   | D  | L3 | L4 |                   |
| K.T.B - 40.8.16.100        | BT40               | M8x35                | 16 | 100 | 32 | 17 | 27 | 1.45              |
| K.T.B - 40.10.22.100       | BT40               | M10x40               | 22 | 100 | 40 | 19 | 31 | 1.70              |
| K.T.B - 40.12.27.100       | BT40               | M12x45               | 27 | 100 | 48 | 21 | 33 | 2.05              |
| K.T.B - 40.16.32.100       | BT40               | M16x50               | 32 | 100 | 58 | 24 | 38 | 2.60              |



BT40 Vidalı  
Takım Tutucu



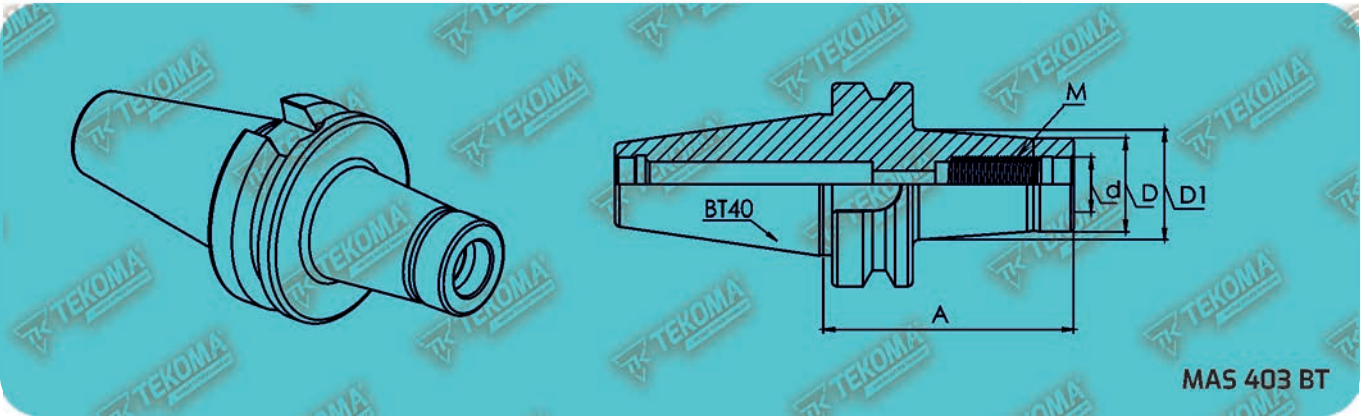
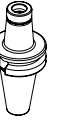
MAS 403 BT

| Sipariş Kodu<br>Order Code | BT Tipi<br>BT Type | Ölçüler (Dimensions) |    |      |    |    | Ağırlık<br>Weight |
|----------------------------|--------------------|----------------------|----|------|----|----|-------------------|
|                            |                    | M                    | A  | d    | D  | D1 |                   |
| TV-40.08.52                | BT40               | M8                   | 52 | 8,5  | 13 | 15 | 0.95              |
| TV-40.10.52                | BT40               | M10                  | 52 | 10,5 | 18 | 20 | 1.00              |
| TV-40.12.52                | BT40               | M12                  | 52 | 12,5 | 21 | 24 | 1.00              |
| TV-40.16.52                | BT40               | M16                  | 52 | 17   | 29 | —  | 1.10              |

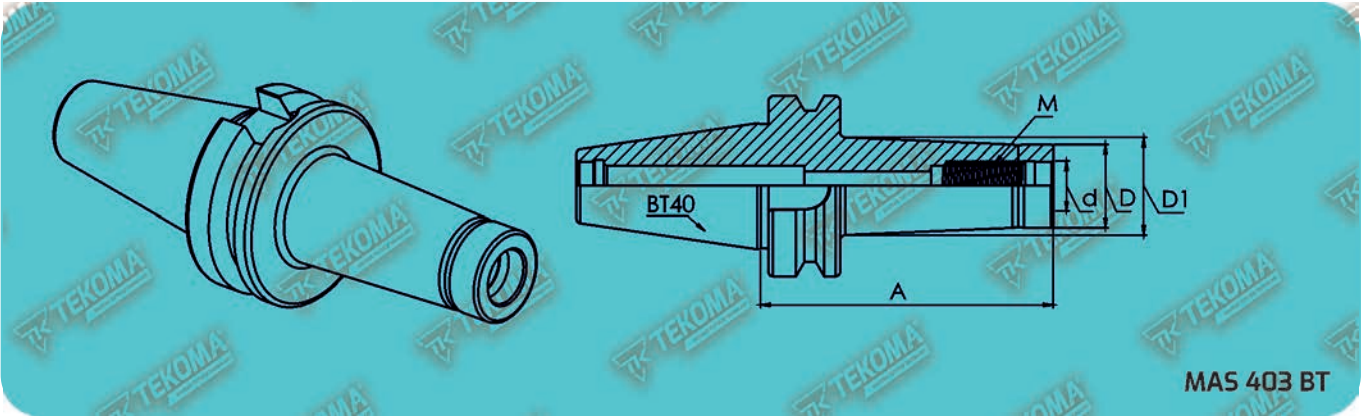




BT40 Vidalı  
Takım Tutucu



| Sipariş Kodu<br>Order Code | BT Tipi<br>BT Type | Ölçüler (Dimensions) |    |      |    |      | Ağırlık<br>Weight |
|----------------------------|--------------------|----------------------|----|------|----|------|-------------------|
|                            |                    | M                    | A  | d    | D  | D1   |                   |
| TV-40.08.77                | BT40               | M8                   | 77 | 8,5  | 13 | 22,5 | 1.05              |
| TV-40.10.77                | BT40               | M10                  | 77 | 10,5 | 18 | 23   | 1.10              |
| TV-40.12.77                | BT40               | M12                  | 77 | 12,5 | 21 | 24   | 1.10              |
| TV-40.16.77                | BT40               | M16                  | 77 | 17   | 29 | 34   | 1.20              |

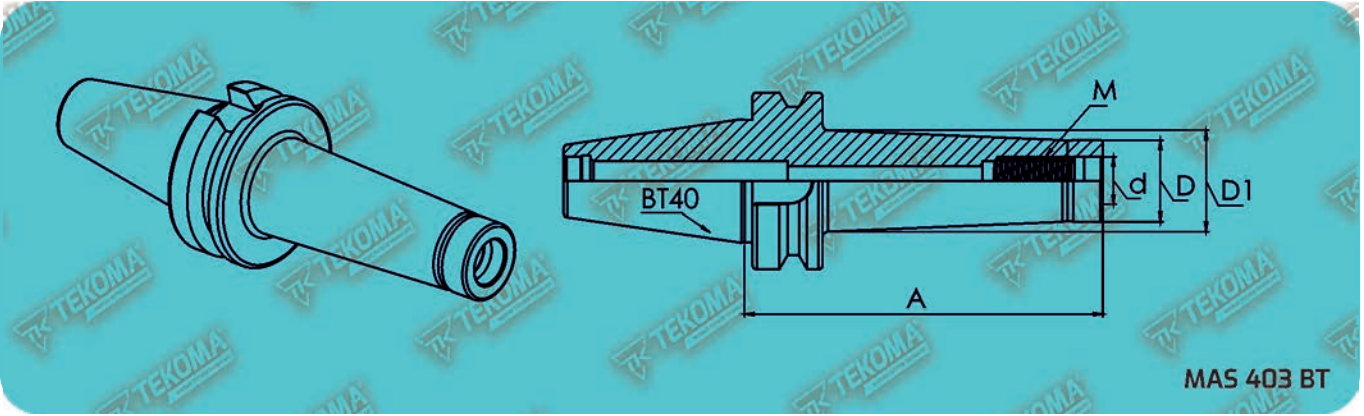


| Sipariş Kodu<br>Order Code | BT Tipi<br>BT Type | Ölçüler (Dimensions) |     |      |    |    | Ağırlık<br>Weight |
|----------------------------|--------------------|----------------------|-----|------|----|----|-------------------|
|                            |                    | M                    | A   | d    | D  | D1 |                   |
| TV-40.08.102               | BT40               | M8                   | 102 | 8,5  | 13 | 23 | 1.10              |
| TV-40.10.102               | BT40               | M10                  | 102 | 10,5 | 18 | 28 | 1.20              |
| TV-40.12.102               | BT40               | M12                  | 102 | 12,5 | 21 | 31 | 1.25              |
| TV-40.16.102               | BT40               | M16                  | 102 | 17   | 29 | 34 | 1.35              |



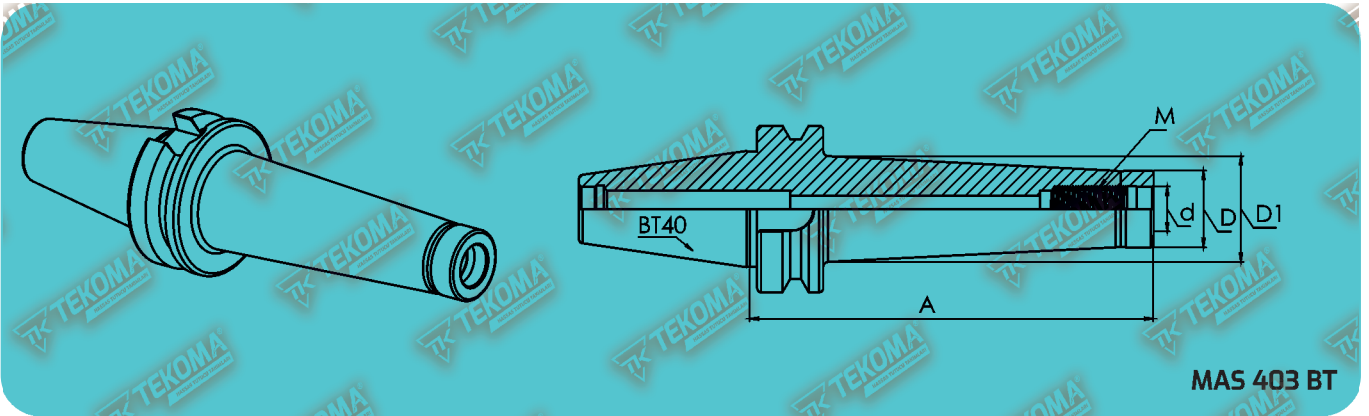


BT40 Vidalı  
Takım Tutucu



| Sipariş Kodu<br>Order Code | BT Tipi<br>BT Type | Ölçüler (Dimensions) |     |      |    |      | Ağırlık<br>Weight |
|----------------------------|--------------------|----------------------|-----|------|----|------|-------------------|
|                            |                    | M                    | A   | d    | D  | D1   |                   |
| TV-40.08.127               | BT40               | M8                   | 127 | 8,5  | 13 | 25   | 1.15              |
| TV-40.10.127               | BT40               | M10                  | 127 | 10,5 | 18 | 32   | 1.30              |
| TV-40.12.127               | BT40               | M12                  | 127 | 12,5 | 21 | 32,5 | 1.40              |
| TV-40.16.127               | BT40               | M16                  | 127 | 17   | 29 | 36   | 1.55              |

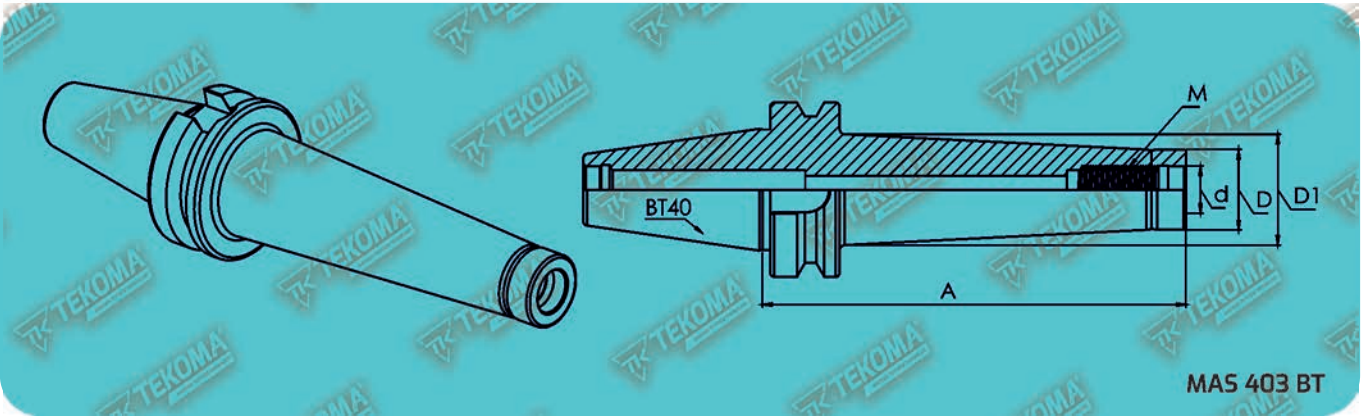




| Sipariş Kodu<br>Order Code | BT Tipi<br>BT Type | Ölçüler (Dimensions) |     |      |    |      | Ağırlık<br>Weight |
|----------------------------|--------------------|----------------------|-----|------|----|------|-------------------|
|                            |                    | M                    | A   | d    | D  | D1   |                   |
| TV-40.10.152               | BT40               | M10                  | 152 | 10,5 | 18 | 34   | 1.45              |
| TV-40.12.152               | BT40               | M12                  | 152 | 12,5 | 21 | 35,5 | 1.55              |
| TV-40.16.152               | BT40               | M16                  | 152 | 17   | 29 | 40   | 1.80              |



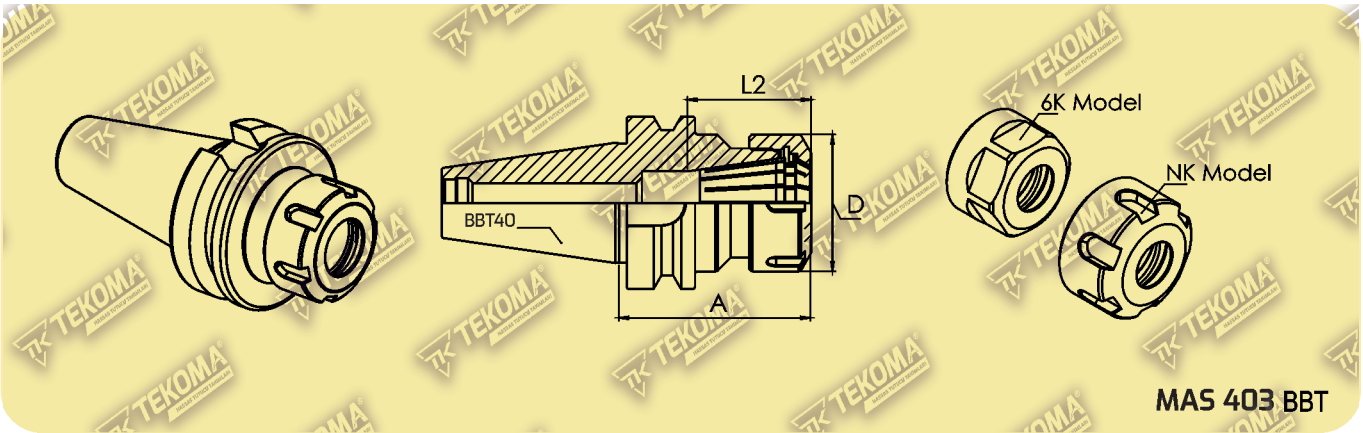
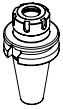
BT40 Vidalı  
Takım Tutucu



| Sipariş Kodu<br>Order Code | BT Tipi<br>BT Type | Ölçüler (Dimensions) |     |      |    |      | Ağırlık<br>Weight |
|----------------------------|--------------------|----------------------|-----|------|----|------|-------------------|
|                            |                    | M                    | A   | d    | D  | D1   |                   |
| TV-40.10.177               | BT40               | M10                  | 177 | 10,5 | 18 | 36   | 1.65              |
| TV-40.12.177               | BT40               | M12                  | 177 | 12,5 | 21 | 39.5 | 1.80              |
| TV-40.16.177               | BT40               | M16                  | 177 | 17   | 29 | 42.5 | 2.08              |



BBT40 Standart  
Pens Başığı



| Model Type | Sipariş Kodu<br>Order Code | BBT Tipi<br>BBT Type | Pens Kapağı ER Tipi<br>Clamping Nuts ER | Kapasite<br>Capacity | Ölçüler (Dimensions) |    |    |    |    | Ağırlık<br>Weight |
|------------|----------------------------|----------------------|-----------------------------------------|----------------------|----------------------|----|----|----|----|-------------------|
|            |                            |                      |                                         |                      | A                    | D  | D1 | L1 | L2 |                   |
| 6K         | TPB-40.1.10.63-6K          | BBT40                | ER16/426-6K                             | 1-10 mm              | 63                   | 28 | -  | -  | 32 | 1.09              |
| NK         | TPB-40.1.10.63             | BBT40                | ER16/426                                | 1-10 mm              | 63                   | 32 | -  | -  | 32 | 1.10              |
| NK         | TPB-40.2.16.60             | BBT40                | ER25/430                                | 2-16 mm              | 60                   | 42 | -  | -  | 42 | 1.10              |
| NK         | TPB-40.2.20.70             | BBT40                | ER32/470                                | 2-20 mm              | 70                   | 50 | -  | -  | 48 | 1.30              |
| NK         | TPB-40.3.26.80             | BBT40                | ER40/472                                | 3-26 mm              | 80                   | 63 | -  | -  | 55 | 1.65              |

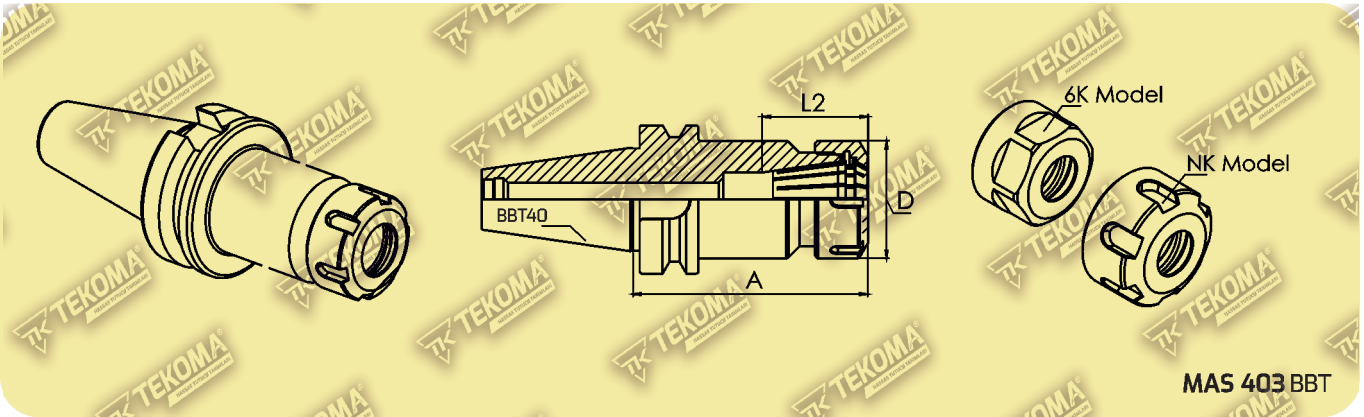
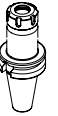




**BBT40**  
Çift Yüzey Temaslı  
Dual Face Contact



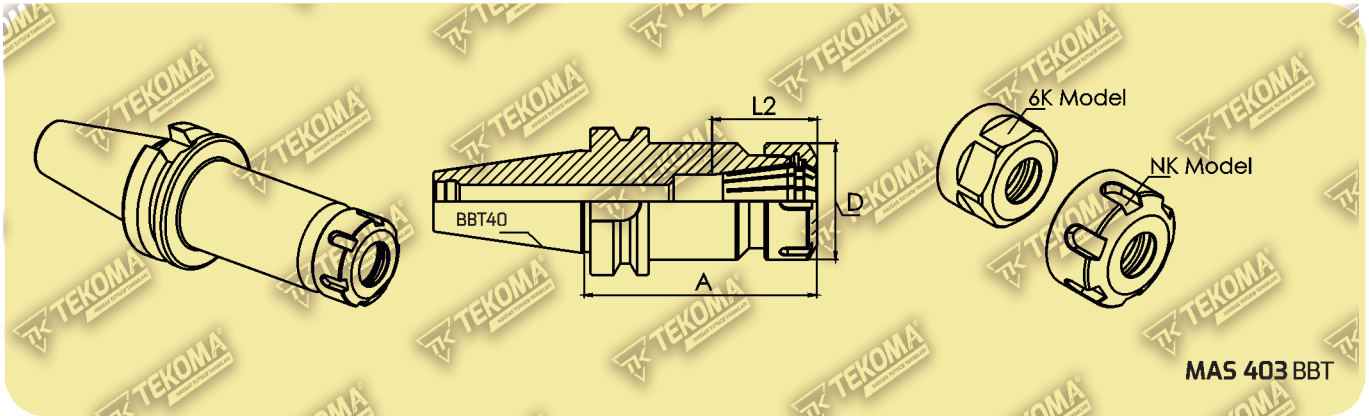
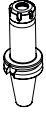
BBT40  
Pens Başı



| Model Type | Sipariş Kodu<br>Order Code | BBT Tipi<br>BBT Type | Pens Kapağı ER Tipi<br>Clamping Nuts ER | Kapasite<br>Capacity | Ölçüler (Dimensions) |    |    |    |    | Ağırlık<br>Weight |
|------------|----------------------------|----------------------|-----------------------------------------|----------------------|----------------------|----|----|----|----|-------------------|
|            |                            |                      |                                         |                      | A                    | D  | D1 | L1 | L2 |                   |
| 6K         | TPB-40.1.10.100-6K         | BBT40                | ER16/426-6K                             | 1-10 mm              | 100                  | 28 | -  | -  | 32 | 1.22              |
| NK         | TPB-40.1.10.100            | BBT40                | ER16/426                                | 1-10 mm              | 100                  | 32 | -  | -  | 32 | 1.25              |
| NK         | TPB-40.2.16.100            | BBT40                | ER25/430                                | 2-16 mm              | 100                  | 42 | -  | -  | 42 | 1.50              |
| NK         | TPB-40.2.20.100            | BBT40                | ER32/470                                | 2-20 mm              | 100                  | 50 | -  | -  | 48 | 1.70              |
| NK         | TPB-40.3.26.100            | BBT40                | ER40 472                                | 3-26 mm              | 100                  | 63 | -  | -  | 55 | 2.10              |



BBT40  
Pens Başığı



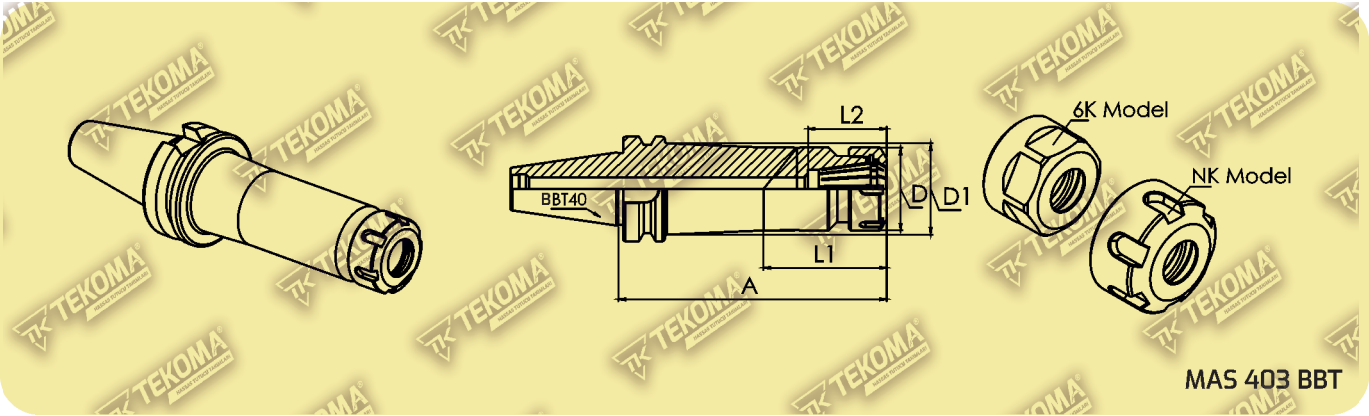
| Model Type | Sipariş Kodu<br>Order Code | BBT Tipi<br>BBT Type | Pens Kapağı ER Tipi<br>Clamping Nuts ER | Kapasite<br>Capacity | Ölçüler (Dimensions) |    |    |    |    | Ağırlık<br>Weight |
|------------|----------------------------|----------------------|-----------------------------------------|----------------------|----------------------|----|----|----|----|-------------------|
|            |                            |                      |                                         |                      | A                    | D  | D1 | L1 | L2 |                   |
| 6K         | TPB-40.1.10.130-6K         | BBT40                | ER16/426-6K                             | 1-10 mm              | 130                  | 28 | -  | -  | 32 | 1.33              |
| NK         | TPB-40.1.10.130            | BBT40                | ER16/426                                | 1-10 mm              | 130                  | 32 | -  | -  | 32 | 1.35              |
| NK         | TPB-40.2.16.130            | BBT40                | ER25/430                                | 2-16 mm              | 130                  | 42 | -  | -  | 42 | 1.80              |
| NK         | TPB-40.2.20.130            | BBT40                | ER32/470                                | 2-20 mm              | 130                  | 50 | -  | -  | 48 | 2.15              |
| NK         | TPB-40.3.26.130            | BBT40                | ER40/472                                | 3-26 mm              | 130                  | 63 | -  | -  | 55 | 2.80              |



BBT40  
Çift Yüzey Temaslı  
Dual Face Contact



BBT40  
Pens Başığı



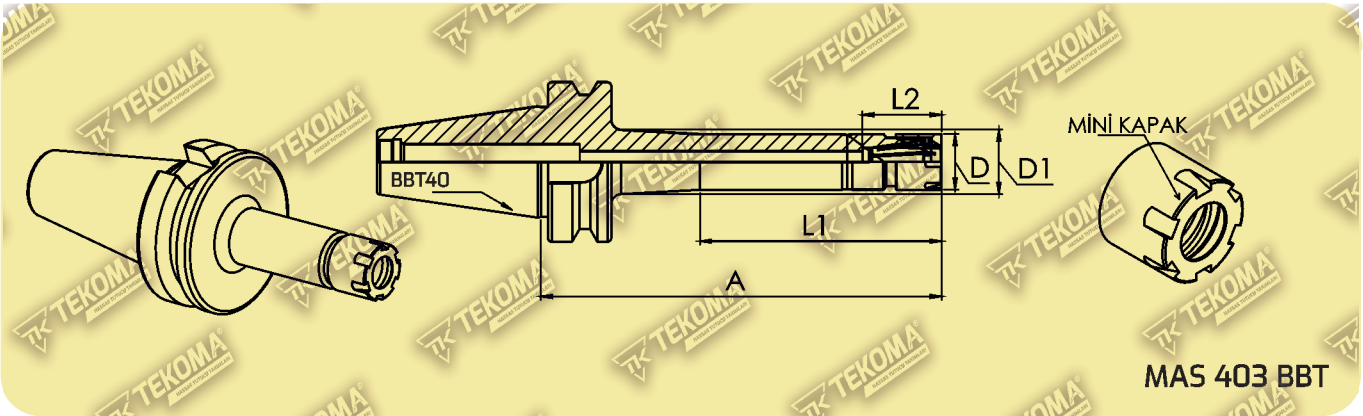
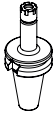
| Model Type | Sipariş Kodu Order Code | BBT Tipi BBT Type | Pens Kapağı ER Tipi Clamping Nuts ER | Kapasite Capacity | Ölçüler (Dimensions) |    |      |     |    | Ağırlık Weight |
|------------|-------------------------|-------------------|--------------------------------------|-------------------|----------------------|----|------|-----|----|----------------|
|            |                         |                   |                                      |                   | A                    | D  | D1   | L1  | L2 |                |
| 6K         | TPB-40.10.160-6K        | BBT40             | ER16/426-6K                          | 1-10 mm           | 160                  | 28 | 31.5 | 98  | 32 | 1.49           |
| NK         | TPB-40.1.10.160         | BBT40             | ER16/426                             | 1-10 mm           | 160                  | 32 | 31.5 | 98  | 32 | 1.50           |
| NK         | TPB-40.2.16.160         | BBT40             | ER25/430                             | 2-16 mm           | 160                  | 42 | 45   | 100 | 42 | 2.15           |
| NK         | TPB-40.2.20.160         | BBT40             | ER32/470                             | 2-20 mm           | 160                  | 50 | 53.5 | 101 | 48 | 2.60           |
| NK         | TPB-40.3.26.160         | BBT40             | ER40/472                             | 3-26 mm           | 160                  | 63 | -    | -   | 55 | 3.50           |



BBT40  
Çift Yüzey Temaslı  
Dual Face Contact



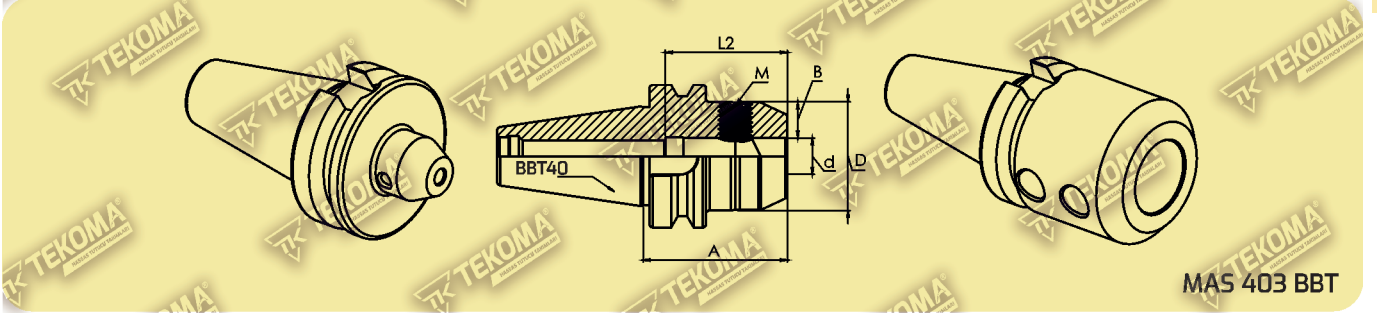
BBT40 Mini  
Pens Başlığı



| Model<br>Type | Sipariş Kodu<br>Order Code | BBT Tipi<br>BBT Type | Pens Kapağı ER Tipi<br>Clamping Nuts ER | Kapasite<br>Capacity | Ölçüler (Dimensions) |    |      |    |    | Ağırlık<br>Weight |
|---------------|----------------------------|----------------------|-----------------------------------------|----------------------|----------------------|----|------|----|----|-------------------|
|               |                            |                      |                                         |                      | A                    | D  | D1   | L1 | L2 |                   |
| Mini          | TPB-40.1.10.100-M          | BBT40                | ER16/426-Mini                           | 1-10 mm              | 100                  | 22 | -    | -  | 32 | 1.10              |
| Mini          | TPB-40.1.10.130-M          | BBT40                | ER16/426-Mini                           | 1-10 mm              | 130                  | 22 | 26,5 | 72 | 32 | 1.18              |
| Mini          | TPB-40.1.10.160-M          | BBT40                | ER16/426-Mini                           | 1-10 mm              | 160                  | 22 | 30   | 72 | 32 | 1.25              |



BBT40  
Veldon Tutucu



| Sipariş Kodu<br>Order Code | BBT Tipi<br>BBT Type | Ölçüler (Dimensions) |     |    |    |       |    | Ağırlık<br>Weight |
|----------------------------|----------------------|----------------------|-----|----|----|-------|----|-------------------|
|                            |                      | d                    | A   | D  | L2 | M     | B  |                   |
| TVB-40.06.50               | BBT40                | 6                    | 50  | 25 | 36 | M6    | 10 | 1.06              |
| TVB-40.08.50               | BBT40                | 8                    | 50  | 28 | 40 | M8    | 10 | 1.08              |
| TVB-40.10.63               | BBT40                | 10                   | 63  | 35 | 44 | M10   | 12 | 1.20              |
| TVB-40.12.63               | BBT40                | 12                   | 63  | 42 | 51 | M12   | 16 | 1.27              |
| TVB-40.14.63               | BBT40                | 14                   | 63  | 44 | 51 | M12   | 16 | 1.30              |
| TVB-40.16.63               | BBT40                | 16                   | 63  | 48 | 54 | M14   | 16 | 1.35              |
| TVB-40.18.63               | BBT40                | 18                   | 63  | 50 | 54 | M14   | 16 | 1.36              |
| TVB-40.20.63               | BBT40                | 20                   | 63  | 52 | 56 | M16   | 16 | 1.37              |
| TVB-40.25.60               | BBT40                | 25                   | 60  | 53 | 64 | M16   | 15 | 1.24              |
| TVB-40.25.90               | BBT40                | 25                   | 90  | 63 | 64 | M18x2 | 20 | 2.15              |
| TVB-40.32.75               | BBT40                | 32                   | 75  | 63 | 68 | M16   | 16 | 1.64              |
| TVB-40.32.100              | BBT40                | 32                   | 100 | 72 | 68 | M20x2 | 20 | 2.70              |
| TVB-40.40.120              | BBT40                | 40                   | 120 | 80 | 78 | M20x2 | 20 | 3.50              |

Hafifletilmiş Veldon

Lightened End Mill Holder

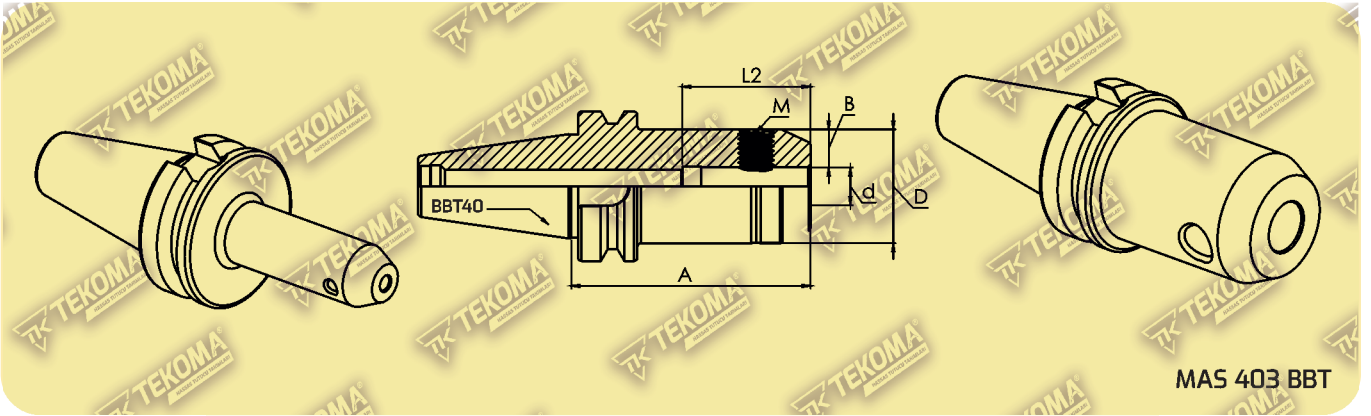
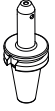
Hafifletilmiş Veldon

Lightened End Mill Holder

BBT40  
Çift Yüzey Temaslı  
Dual Face Contact



BBT40  
Veldon Tutucu



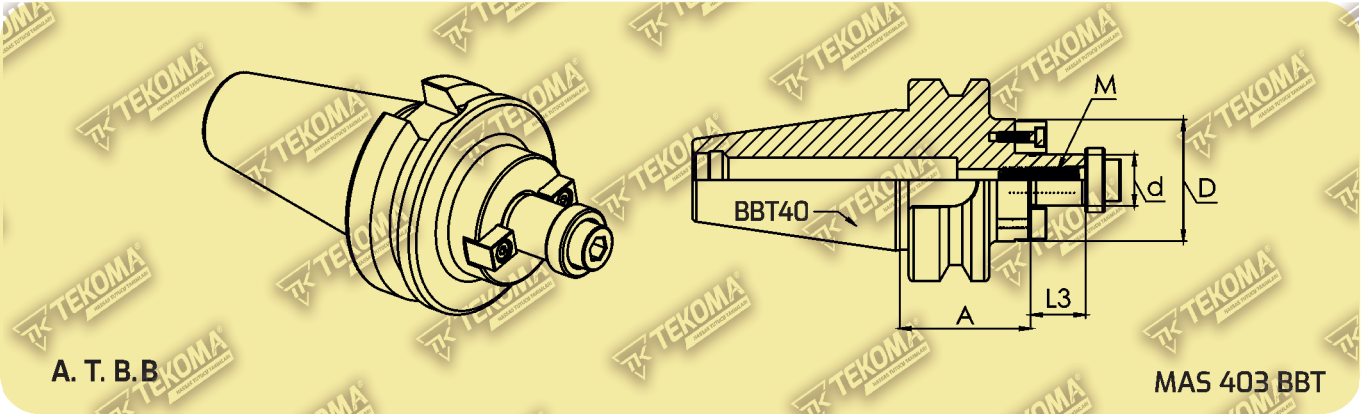
MAS 403 BBT

| Sipariş Kodu<br>Order Code | BBT Tipi<br>BBT Type | Ölçüler (Dimensions) |     |    |    |     |    | Ağırlık<br>Weight |
|----------------------------|----------------------|----------------------|-----|----|----|-----|----|-------------------|
|                            |                      | d                    | A   | D  | L2 | M   | B  |                   |
| TVB-40.06.100              | BBT40                | 6                    | 100 | 25 | 36 | M6  | 10 | 1.20              |
| TVB-40.08.100              | BBT40                | 8                    | 100 | 28 | 40 | M8  | 10 | 1.27              |
| TVB-40.10.100              | BBT40                | 10                   | 100 | 35 | 44 | M10 | 12 | 1.42              |
| TVB-40.12.100              | BBT40                | 12                   | 100 | 42 | 51 | M12 | 16 | 1.63              |
| TVB-40.14.100              | BBT40                | 14                   | 100 | 44 | 51 | M12 | 16 | 1.69              |
| TVB-40.16.100              | BBT40                | 16                   | 100 | 48 | 54 | M14 | 16 | 1.82              |
| TVB-40.18.100              | BBT40                | 18                   | 100 | 50 | 54 | M14 | 16 | 1.89              |
| TVB-40.20.100              | BBT40                | 20                   | 100 | 52 | 56 | M16 | 16 | 1.94              |





BBT40 Alın  
Kamalı Malafa

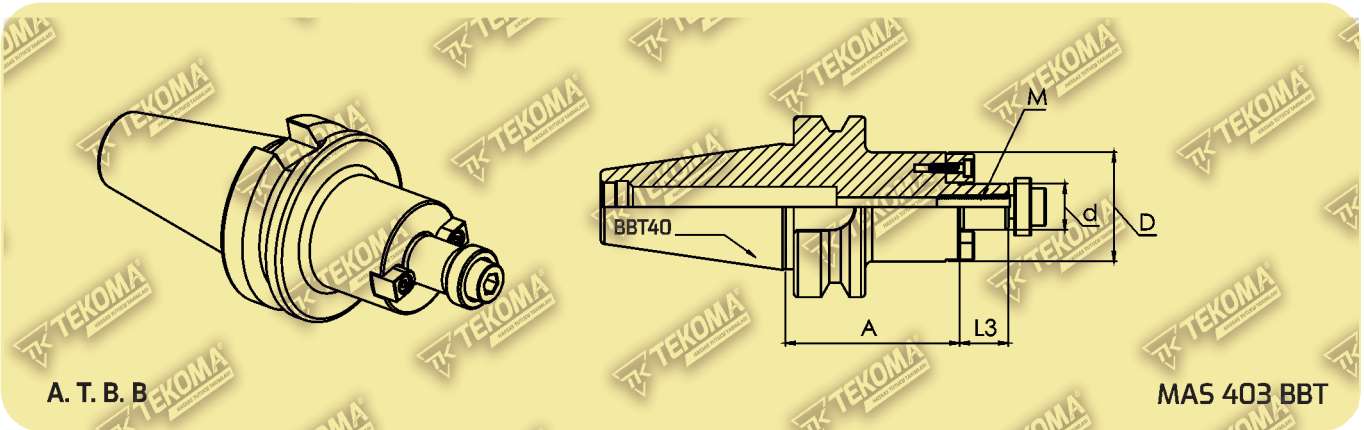
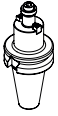


| Sipariş Kodu<br>Order Code | BBT Tipi<br>BBT Type | Ölçüler (Dimensions) |    |    |    |    | Ağırlık<br>Weight |
|----------------------------|----------------------|----------------------|----|----|----|----|-------------------|
|                            |                      | M                    | d  | A  | D  | L3 |                   |
| A.T.B.B-40.8.16.40         | BBT40                | M8x35                | 16 | 40 | 38 | 17 | 1.15              |
| A.T.B.B-40.10.22.40        | BBT40                | M10                  | 22 | 40 | 48 | 19 | 1.30              |
| A.T.B.B-40.12.27.40        | BBT40                | M12x45               | 27 | 40 | 60 | 21 | 1.40              |
| A.T.B.B-40.16.32.50        | BBT40                | M16                  | 32 | 50 | 78 | 24 | 1.95              |
| A.T.B-40.20.40.50          | BBT40                | M20x60               | 40 | 50 | 88 | 27 | 2.15              |

BBT40  
Çift Yüzey Temaslı  
Dual Face Contact



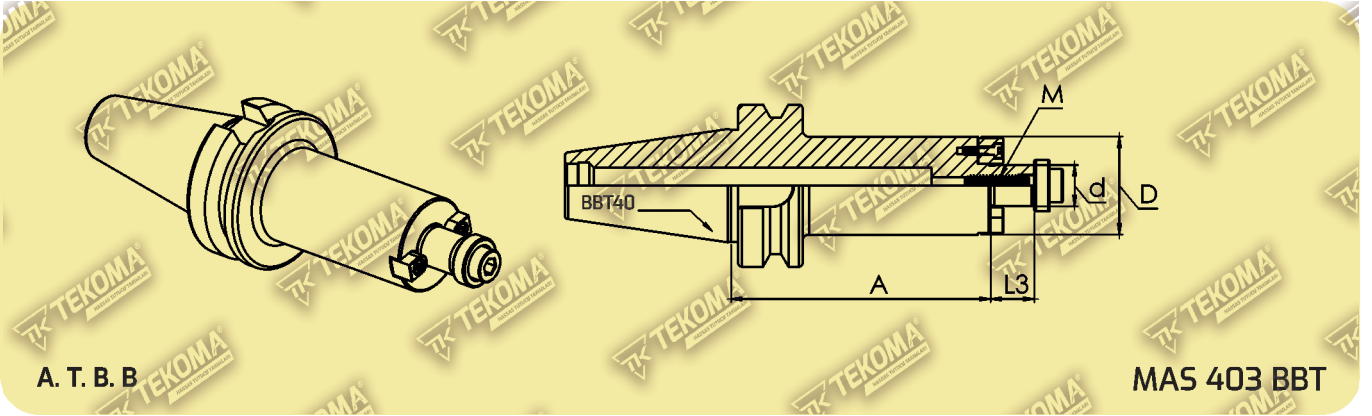
BBT40 Alın  
Kamalı Malafa



|          | Sipariş Kodu<br>Order Code | BBT Tipi<br>BBT Type | Ölçüler (Dimensions) |    |    |    |    | Ağırlık<br>Weight |
|----------|----------------------------|----------------------|----------------------|----|----|----|----|-------------------|
|          |                            |                      | M                    | d  | A  | D  | L3 |                   |
| ARA ÖLÇÜ | A.T.B.B-40.8.16.60         | BBT40                | M8x35                | 16 | 60 | 38 | 17 | 1.32              |
|          | A.T.B.B-40.10.22.60        | BBT40                | M10                  | 22 | 60 | 48 | 19 | 1.56              |
|          | A.T.B.B-40.12.27.60        | BBT40                | M12x45               | 27 | 60 | 60 | 21 | 1.82              |



BBT40 Alın  
Kamalı Malafa



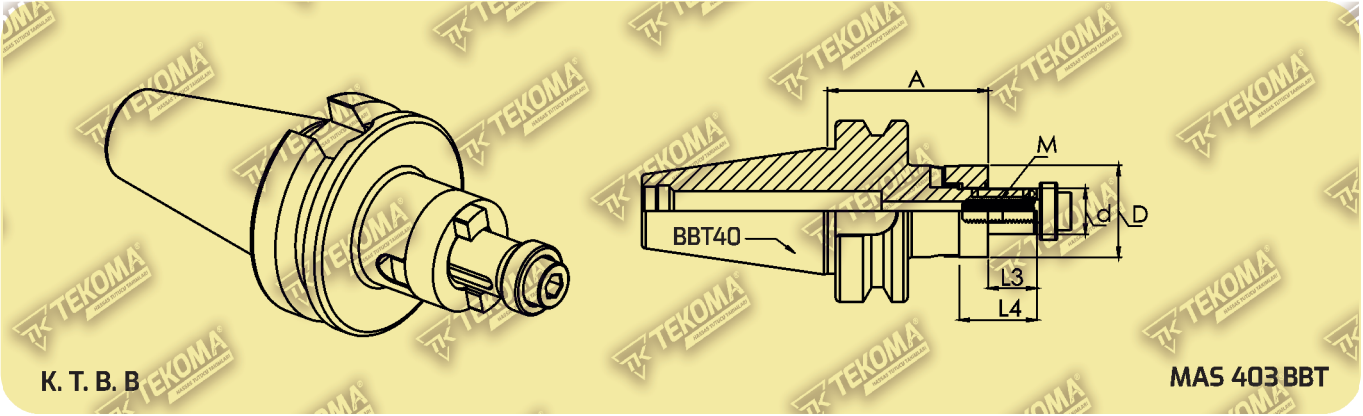
| Sipariş Kodu<br>Order Code | BBT Tipi<br>BBT Type | Ölçüler (Dimensions) |    |     |    |    | Ağırlık<br>Weight |
|----------------------------|----------------------|----------------------|----|-----|----|----|-------------------|
|                            |                      | M                    | d  | A   | D  | L3 |                   |
| A.T.B.B-40.8.16.100        | BBT40                | M8x35                | 16 | 100 | 38 | 17 | 1.70              |
| A.T.B.B-40.10.22.100       | BBT40                | M10x40               | 22 | 100 | 48 | 19 | 2.10              |
| A.T.B.B-40.12.27.100       | BBT40                | M12x45               | 27 | 100 | 60 | 21 | 2.75              |
| A.T.B.B-40.16.32.100       | BBT40                | M16x50               | 32 | 100 | 78 | 24 | 3.80              |



BBT40  
Çift Yüzey Temaslı  
Dual Face Contact



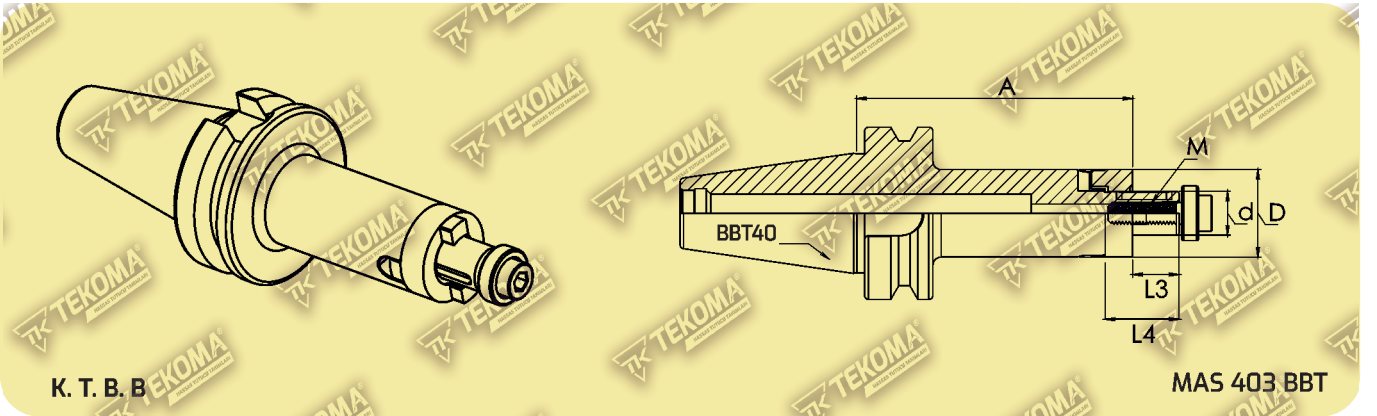
BBT40  
Kombine Malafa



| Sipariş Kodu<br>Order Code | BBT Tipi<br>BBT Type | Ölçüler (Dimensions) |    |    |    |    |    | Ağırlık<br>Weight |
|----------------------------|----------------------|----------------------|----|----|----|----|----|-------------------|
|                            |                      | M                    | d  | A  | D  | L3 | L4 |                   |
| K.T.B.B-40.8.16.55         | BBT40                | M8x35                | 16 | 55 | 32 | 17 | 27 | 1.20              |
| K.T.B.B-40.10.22.55        | BBT40                | M10x40               | 22 | 55 | 40 | 19 | 31 | 1.30              |
| K.T.B.B-40.12.27.55        | BBT40                | M12x45               | 27 | 55 | 48 | 21 | 33 | 1.45              |
| K.T.B.B-40.16.32.60        | BBT40                | M16x50               | 32 | 60 | 58 | 24 | 38 | 1.80              |
| K.T.B.B-40.20.40.60        | BBT40                | M20x60               | 40 | 60 | 70 | 27 | 41 | 2.17              |



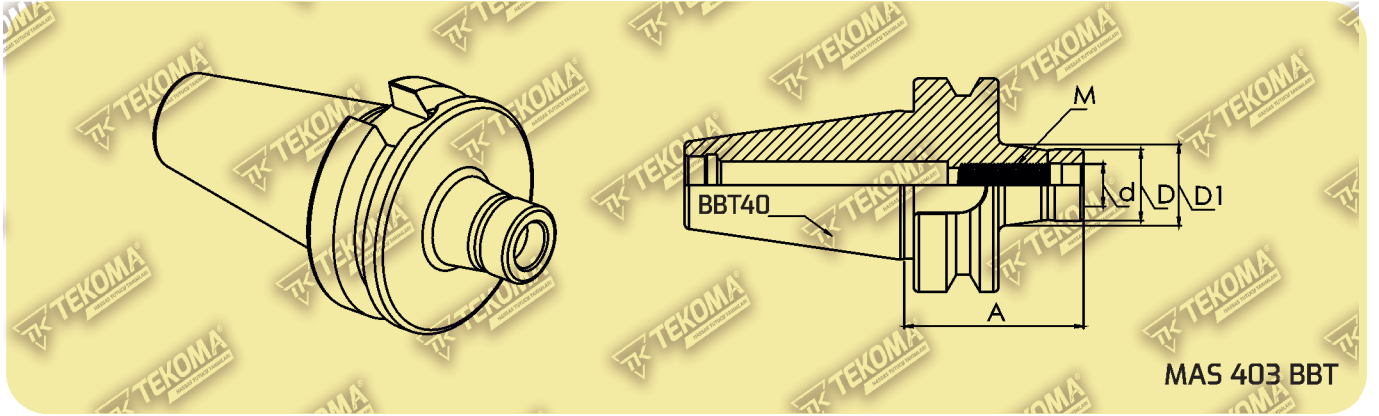
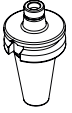
BBT40  
Kombine Malafa



| Sipariş Kodu<br>Order Code | BBT Tipi<br>BBT Type | Ölçüler (Dimensions) |    |     |    |    |    | Ağırlık<br>Weight |
|----------------------------|----------------------|----------------------|----|-----|----|----|----|-------------------|
|                            |                      | M                    | d  | A   | D  | L3 | L4 |                   |
| K.T.B.B-40.8.16.100        | BBT40                | M8x35                | 16 | 100 | 32 | 17 | 27 | 1.45              |
| K.T.B.B-40.10.22.100       | BBT40                | M10x40               | 22 | 100 | 40 | 19 | 31 | 1.70              |
| K.T.B.B-40.12.27.100       | BBT40                | M12x45               | 27 | 100 | 48 | 21 | 33 | 2.05              |
| K.T.B.B-40.16.32.100       | BBT40                | M16x50               | 32 | 100 | 58 | 24 | 38 | 2.60              |



BBT40 Vidalı  
Takım Tutucu

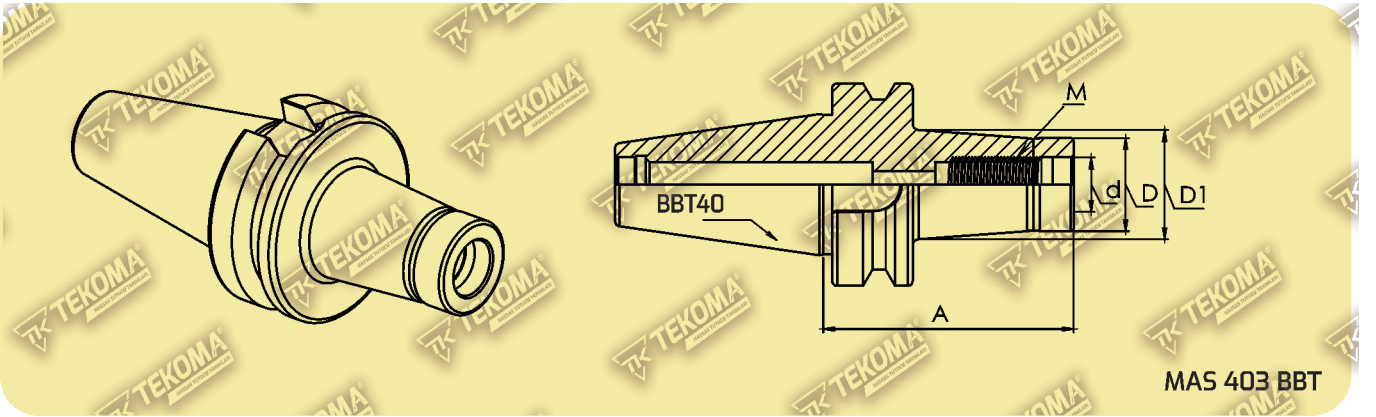


| Sipariş Kodu<br>Order Code | BBT Tipi<br>BBT Type | Ölçüler (Dimensions) |    |      |    |    | Ağırlık<br>Weight |
|----------------------------|----------------------|----------------------|----|------|----|----|-------------------|
|                            |                      | M                    | A  | d    | D  | D1 |                   |
| TVB-40.08.52               | BBT40                | M8                   | 52 | 8,5  | 13 | 15 | 0.95              |
| TVB-40.10.52               | BBT40                | M10                  | 52 | 10,5 | 18 | 20 | 1.10              |
| TVB-40.12.52               | BBT40                | M12                  | 52 | 12,5 | 21 | 24 | 1.10              |
| TVB-40.16.52               | BBT40                | M16                  | 52 | 17   | 29 | —  | 1.15              |





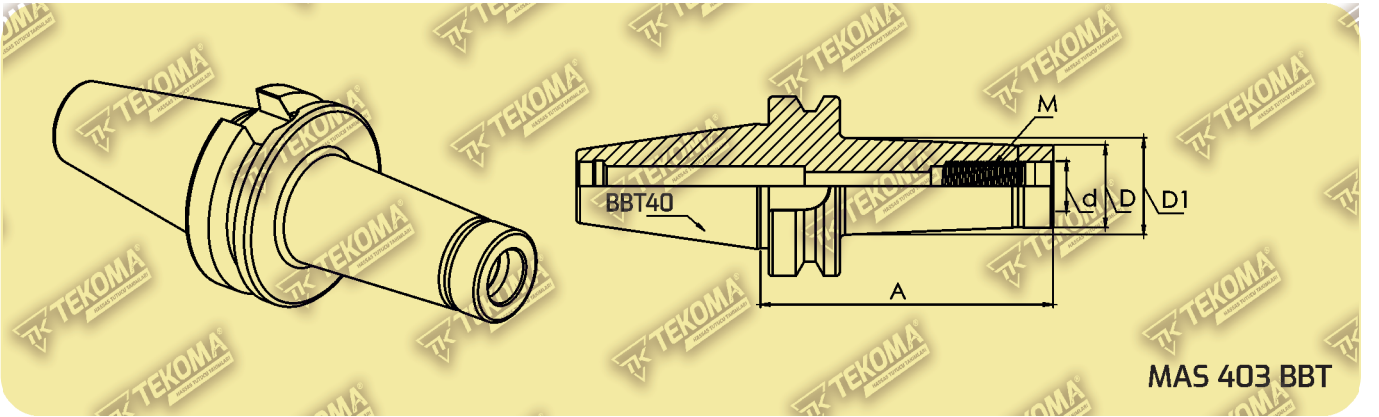
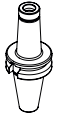
BBT40 Vidalı  
Takım Tutucu



| Sipariş Kodu<br>Order Code | BBT Tipi<br>BBT Type | Ölçüler (Dimensions) |    |      |    |      | Ağırlık<br>Weight |
|----------------------------|----------------------|----------------------|----|------|----|------|-------------------|
|                            |                      | M                    | A  | d    | D  | D1   |                   |
| TVB-40.08.77               | BBT40                | M8                   | 77 | 8,5  | 13 | 22,5 | 1.05              |
| TVB-40.10.77               | BBT40                | M10                  | 77 | 10,5 | 18 | 23   | 1.10              |
| TVB-40.12.77               | BBT40                | M12                  | 77 | 12,5 | 21 | 24   | 1.10              |
| TVB-40.16.77               | BBT40                | M16                  | 77 | 17   | 29 | 34   | 1.20              |



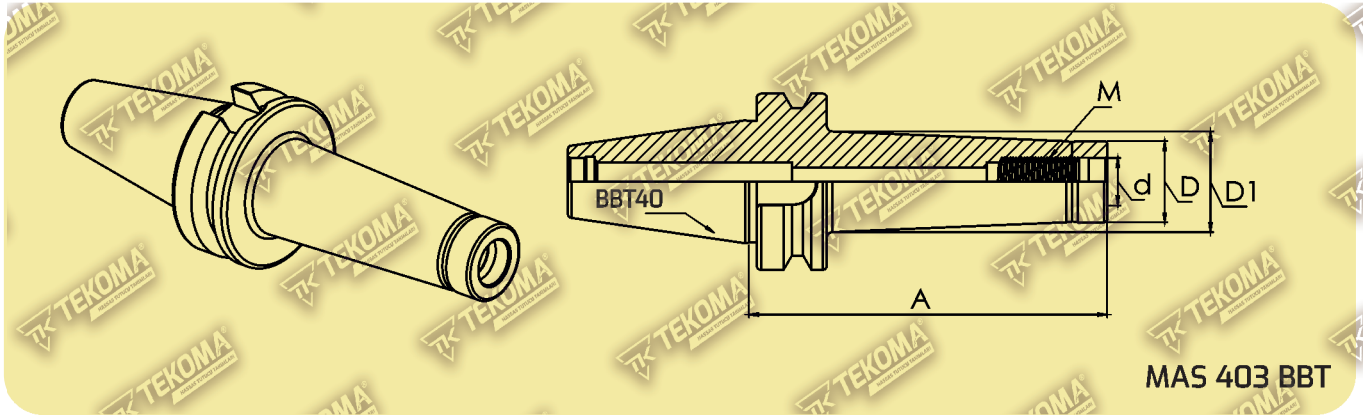
BBT40 Vidalı  
Takım Tutucu



| Sipariş Kodu<br>Order Code | BBT Tipi<br>BBT Type | Ölçüler (Dimensions) |     |      |    |    | Ağırlık<br>Weight |
|----------------------------|----------------------|----------------------|-----|------|----|----|-------------------|
|                            |                      | M                    | A   | d    | D  | D1 |                   |
| TVB-40.08.102              | BBT40                | M8                   | 102 | 8,5  | 13 | 23 | 1.10              |
| TVB-40.10.102              | BBT40                | M10                  | 102 | 10,5 | 18 | 28 | 1.20              |
| TVB-40.12.102              | BBT40                | M12                  | 102 | 12,5 | 21 | 31 | 1.25              |
| TVB-40.16.102              | BBT40                | M16                  | 102 | 17   | 29 | 34 | 1.35              |



BBT40 Vidalı  
Takım Tutucu

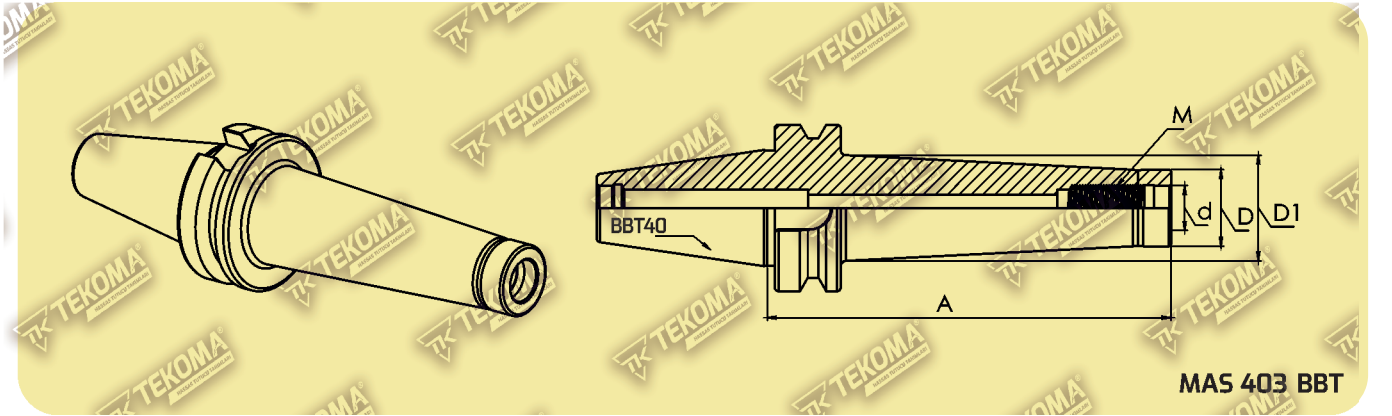


| Sipariş Kodu<br>Order Code | BBT Tipi<br>BBT Type | Ölçüler (Dimensions) |     |      |    |      | Ağırlık<br>Weight |
|----------------------------|----------------------|----------------------|-----|------|----|------|-------------------|
|                            |                      | M                    | A   | d    | D  | D1   |                   |
| TVB-40.08.127              | BBT40                | M8                   | 127 | 8,5  | 13 | 25   | 1.15              |
| TVB-40.10.127              | BBT40                | M10                  | 127 | 10,5 | 18 | 32   | 1.30              |
| TVB-40.12.127              | BBT40                | M12                  | 127 | 12,5 | 21 | 32,5 | 1.40              |
| TVB-40.16.127              | BBT40                | M16                  | 127 | 17   | 29 | 36   | 1.55              |





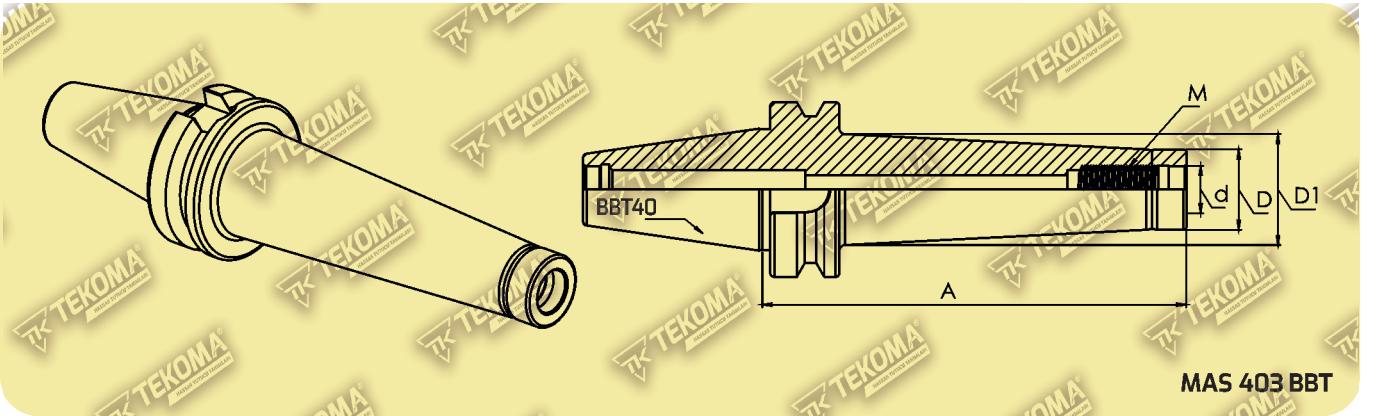
BBT40 Vidalı  
Takım Tutucu



| Sipariş Kodu<br>Order Code | BBT Tipi<br>BBT Type | Ölçüler (Dimensions) |     |      |    |      | Ağırlık<br>Weight |
|----------------------------|----------------------|----------------------|-----|------|----|------|-------------------|
|                            |                      | M                    | A   | d    | D  | D1   |                   |
| TVB-40.10.152              | BBT40                | M10                  | 152 | 10,5 | 18 | 34   | 1.45              |
| TVB-40.12.152              | BBT40                | M12                  | 152 | 12,5 | 21 | 35,5 | 1.55              |
| TVB-40.16.152              | BBT40                | M16                  | 152 | 17   | 29 | 40   | 1.80              |



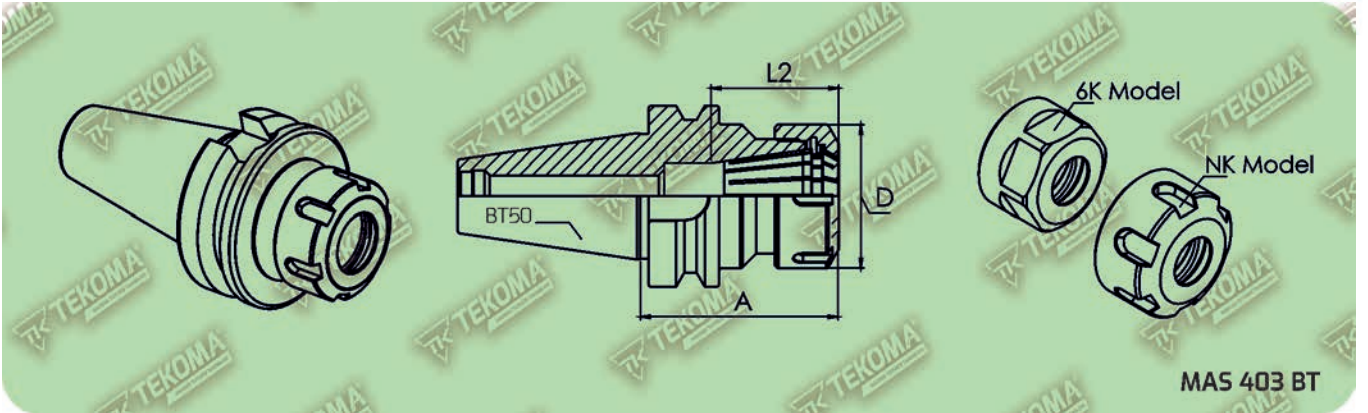
BBT40 Vidalı  
Takım Tutucu



| Sipariş Kodu<br>Order Code | BBT Tipi<br>BBT Type | Ölçüler (Dimensions) |     |      |    |      | Ağırlık<br>Weight |
|----------------------------|----------------------|----------------------|-----|------|----|------|-------------------|
|                            |                      | M                    | A   | d    | D  | D1   |                   |
| TVB-40.10.177              | BBT40                | M10                  | 177 | 10,5 | 18 | 36   | 1.65              |
| TVB-40.12.177              | BBT40                | M12                  | 177 | 12,5 | 21 | 39.5 | 1.80              |
| TVB-40.16.177              | BBT40                | M16                  | 177 | 17   | 29 | 42.5 | 2.08              |

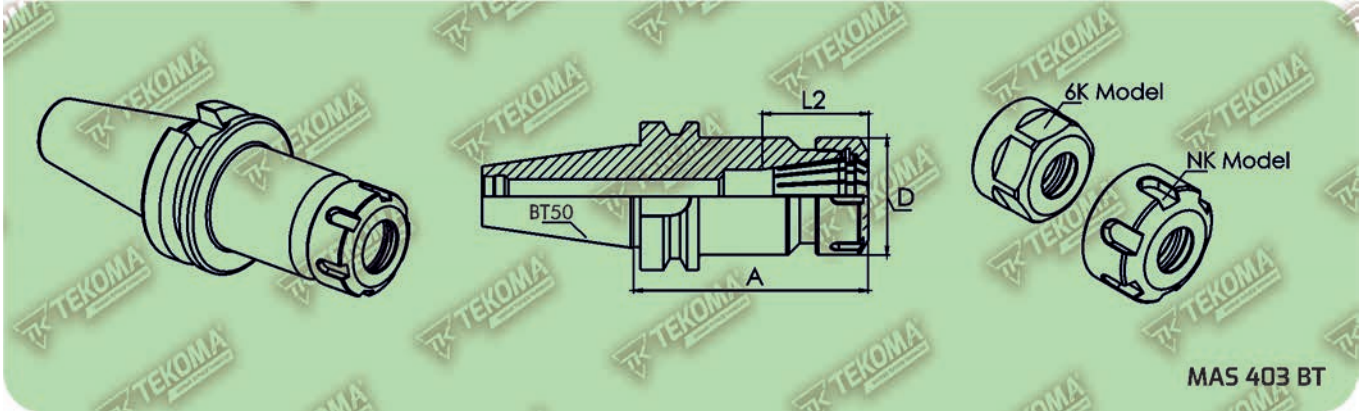


BT50  
Pens Başlığı



| Model Type | Sipariş Kodu<br>Order Code | BT Tipi<br>BT Type | Pens Kapağı ER Tipi<br>Clamping Nuts ER | Kapasite<br>Capacity | Ölçüler (Dimensions) |    |    |    |    | Ağırlık<br>Weight |
|------------|----------------------------|--------------------|-----------------------------------------|----------------------|----------------------|----|----|----|----|-------------------|
|            |                            |                    |                                         |                      | A                    | D  | D1 | L1 | L2 |                   |
| NK         | TP- 50.2.16.70             | BT50               | ER25/430                                | 2-16 mm              | 70                   | 42 | -  | -  | 42 | 3.75              |
| NK         | TP- 50.2.20.70             | BT50               | ER32/470                                | 2-20 mm              | 70                   | 50 | -  | -  | 48 | 3.80              |
| NK         | TP- 50.3.26.80             | BT50               | ER40 472                                | 3-26 mm              | 80                   | 63 | -  | -  | 55 | 4.05              |





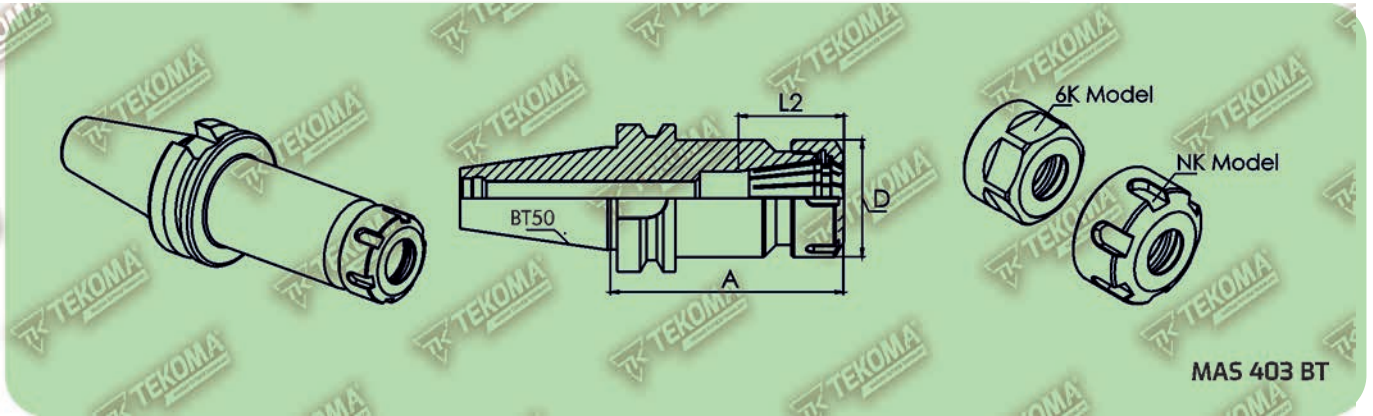
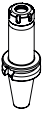
BT50  
Pens Başığı



| Model Type | Sipariş Kodu<br>Order Code | BT Tipi<br>BT Type | Pens Kapağı ER Tipi<br>Clamping Nuts ER | Kapasite<br>Capacity | Ölçüler (Dimensions) |    |    |    |    | Ağırlık<br>Weight |
|------------|----------------------------|--------------------|-----------------------------------------|----------------------|----------------------|----|----|----|----|-------------------|
|            |                            |                    |                                         |                      | A                    | D  | D1 | L1 | L2 |                   |
| 6K         | TP- 50.1.10.100-6K         | BT50               | ER16/426-6K                             | 1-10 mm              | 100                  | 28 | -  | -  | 32 | 3.85              |
| NK         | TP- 50.1.10.100            | BT50               | ER16/426                                | 1-10 mm              | 100                  | 32 | -  | -  | 32 | 3.87              |
| NK         | TP- 50.2.16.100            | BT50               | ER25/430                                | 2-16 mm              | 100                  | 42 | -  | -  | 42 | 4.05              |
| NK         | TP- 50.2.20.100            | BT50               | ER32/470                                | 2-20 mm              | 100                  | 50 | -  | -  | 48 | 4.20              |
| NK         | TP- 50.3.26.100            | BT50               | ER40 472                                | 3-26 mm              | 100                  | 63 | -  | -  | 55 | 4.45              |

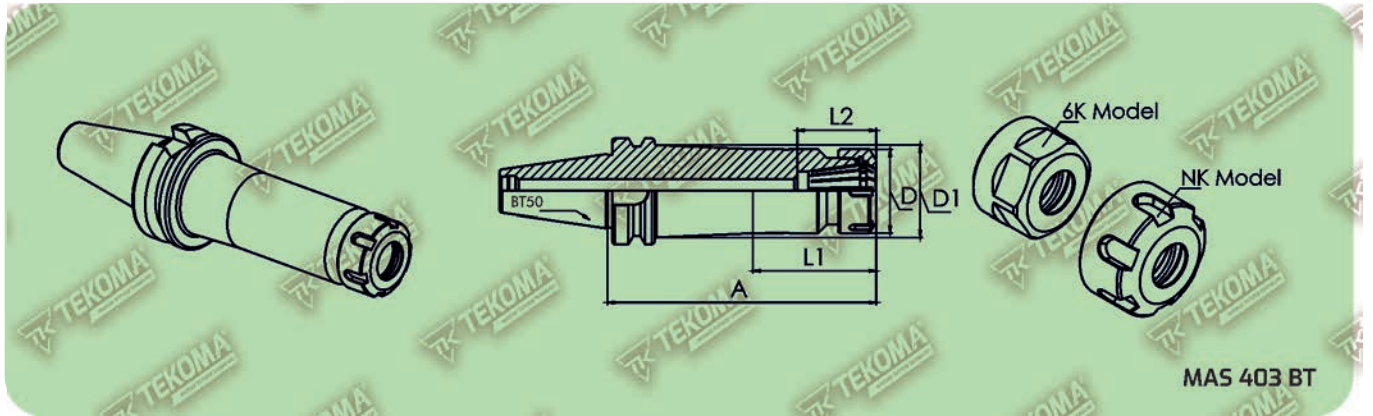


BT50  
Pens Başlığı



| Model Type | Sipariş Kodu<br>Order Code | BT Tipi<br>BT Type | Pens Kapağı ER Tipi<br>Clamping Nuts ER | Kapasite<br>Capacity | Ölçüler (Dimensions) |    |    |    |    | Ağırlık<br>Weight |
|------------|----------------------------|--------------------|-----------------------------------------|----------------------|----------------------|----|----|----|----|-------------------|
|            |                            |                    |                                         |                      | A                    | D  | D1 | L1 | L2 |                   |
| 6K         | TP- 50.1.10.130-6K         | BT50               | ER16/426-6K                             | 1-10 mm              | 130                  | 28 | -  | -  | 32 | 3.90              |
| NK         | TP- 50.1.10.130            | BT50               | ER16/426                                | 1-10 mm              | 130                  | 32 | -  | -  | 32 | 3.92              |
| NK         | TP- 50.2.16.130            | BT50               | ER25/430                                | 2-16 mm              | 130                  | 42 | -  | -  | 42 | 4.35              |
| NK         | TP- 50.2.20.130            | BT50               | ER32/470                                | 2-20 mm              | 130                  | 50 | -  | -  | 48 | 4.60              |
| NK         | TP- 50.3.26.130            | BT50               | ER40/472                                | 3-26 mm              | 130                  | 63 | -  | -  | 55 | 5.20              |



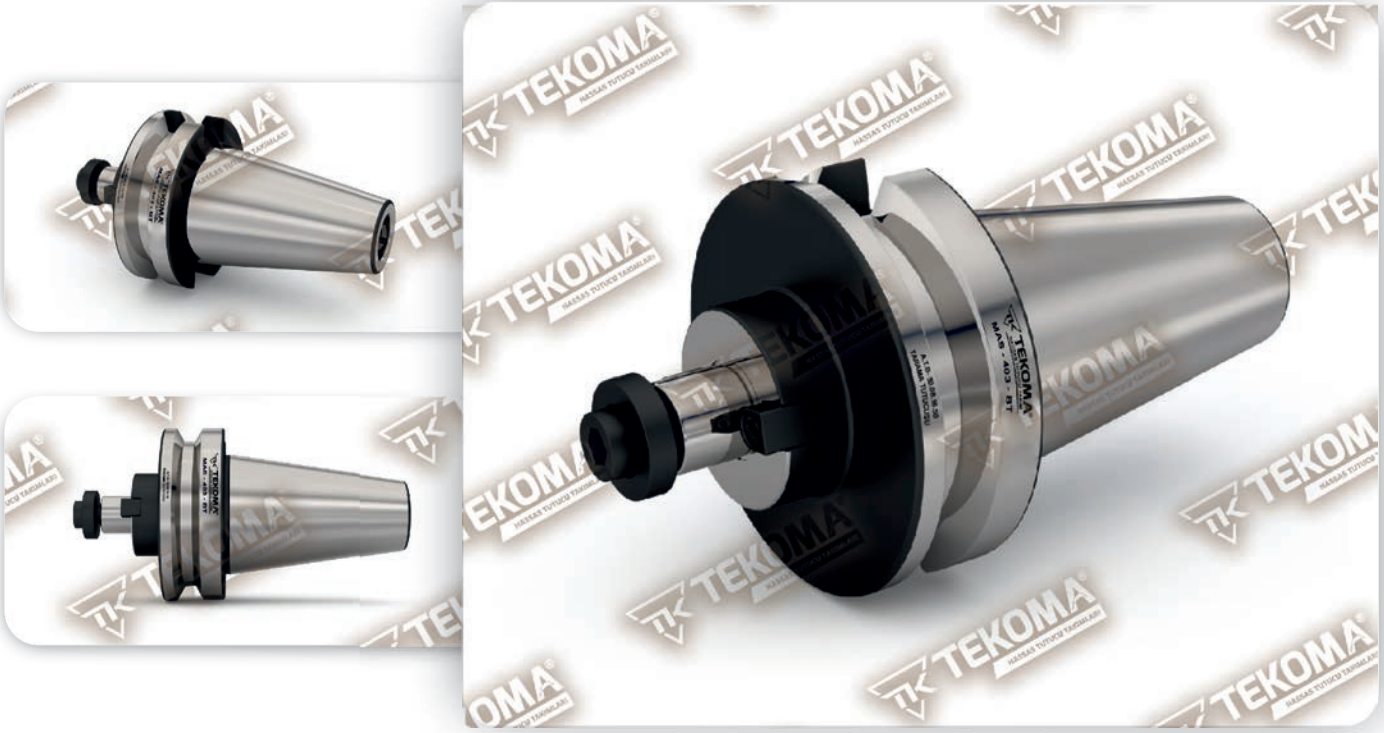


BT50  
Pens Başlığı

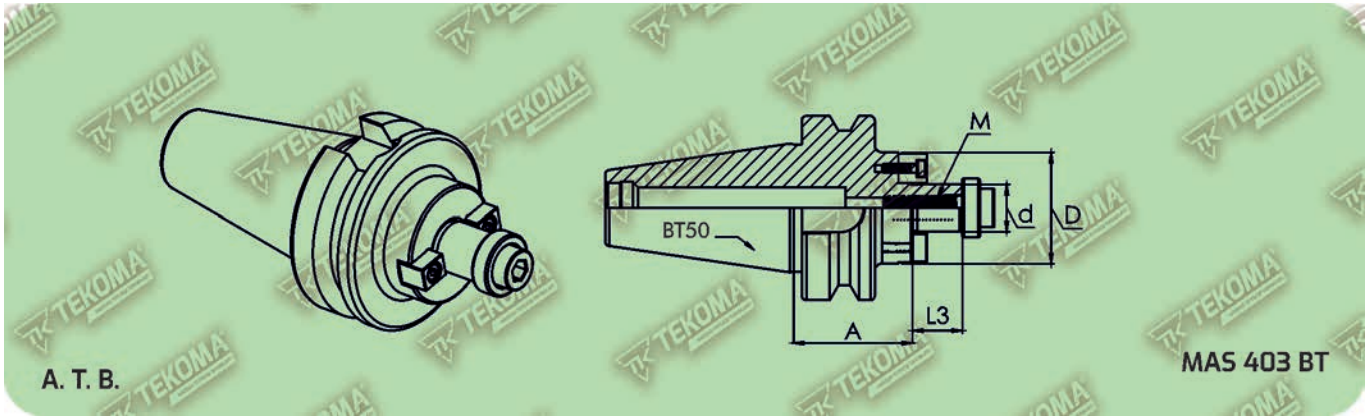


| Model<br>Type | Sipariş Kodu<br>Order Code | BT Tipi<br>BT Type | Pens Kapağı ER Tipi<br>Clamping Nuts ER | Kapasite<br>Capacity | Ölçüler (Dimensions) |    |      |     |    | Ağırlık<br>Weight |
|---------------|----------------------------|--------------------|-----------------------------------------|----------------------|----------------------|----|------|-----|----|-------------------|
|               |                            |                    |                                         |                      | A                    | D  | D1   | L1  | L2 |                   |
| 6K            | TP-50.1.10.160-6K          | BT50               | ER16/426-6K                             | 1-10 mm              | 160                  | 28 | 31,5 | 98  | 32 | 4.10              |
| NK            | TP-50.1.10.160             | BT50               | ER16/426                                | 1-10 mm              | 160                  | 32 | 31,5 | 98  | 32 | 4.12              |
| NK            | TP-50.2.16.160             | BT50               | ER25/430                                | 2-16 mm              | 160                  | 42 | 45   | 100 | 42 | 4.70              |
| NK            | TP-50.2.20.160             | BT50               | ER32/470                                | 2-20 mm              | 160                  | 50 | 53,5 | 101 | 48 | 5.15              |
| NK            | TP-50.3.26.160             | BT50               | ER40/472                                | 3-26 mm              | 160                  | 63 | -    | -   | 55 | 6.00              |





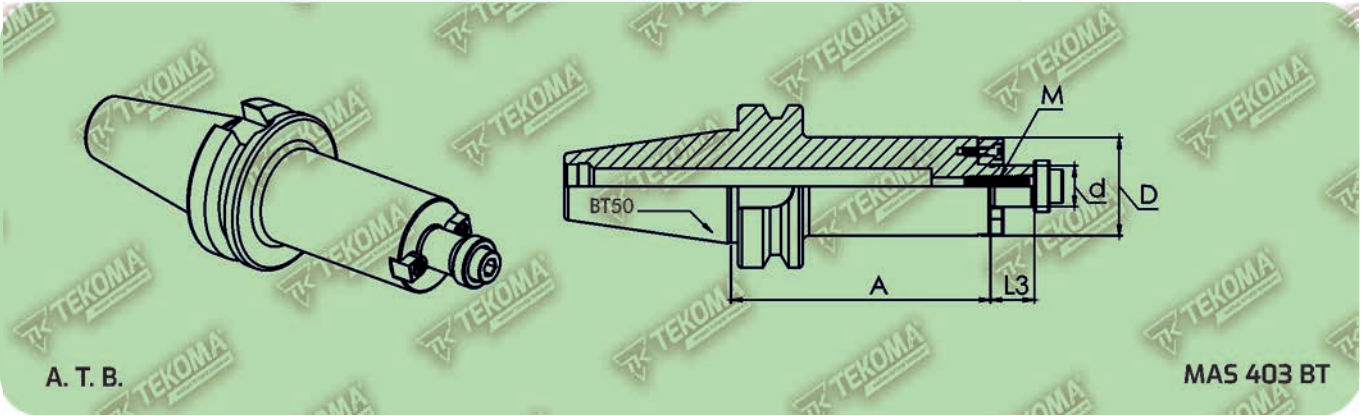
BT50 Alın  
Kamalı Malafa



A. T. B.

MAS 403 BT

| Sipariş Kodu<br>Order Code | BT Tipi<br>BT Type | Ölçüler (Dimensions) |    |    |    |    | Ağırlık<br>Weight |
|----------------------------|--------------------|----------------------|----|----|----|----|-------------------|
|                            |                    | M                    | d  | A  | D  | L3 |                   |
| A.T.B - 50.8.16.50         | BT50               | M8x35                | 16 | 40 | 38 | 17 | 3.80              |
| A.T.B - 50.10.22.55        | BT50               | M10                  | 22 | 40 | 48 | 19 | 3.98              |
| A.T.B - 50.12.27.55        | BT50               | M12x45               | 27 | 40 | 60 | 21 | 4.20              |
| A.T.B - 50.16.32.55        | BT50               | M16                  | 32 | 50 | 78 | 24 | 4.55              |
| A.T.B - 50.20.40.55        | BT50               | M20x60               | 40 | 50 | 88 | 27 | 4.80              |



BT50 Alın  
Kamalı Malafa

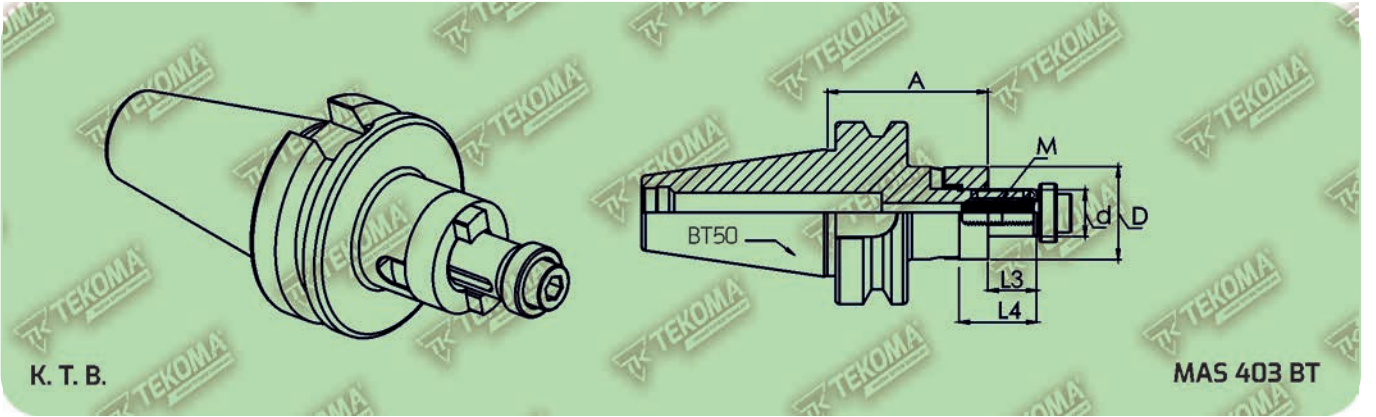


| Sipariş Kodu<br>Order Code | BT Tipi<br>BT Type | Ölçüler (Dimensions) |    |     |    |    | Ağırlık<br>Weight |
|----------------------------|--------------------|----------------------|----|-----|----|----|-------------------|
|                            |                    | M                    | d  | A   | D  | L3 |                   |
| A.T.B - 50.8.16.100        | BT50               | M8x35                | 16 | 100 | 38 | 17 | 4.20              |
| A.T.B - 50.10.22.100       | BT50               | M10x40               | 22 | 100 | 48 | 19 | 4.60              |
| A.T.B - 50.12.27.100       | BT50               | M12x45               | 27 | 100 | 60 | 21 | 5.15              |
| A.T.B - 50.16.32.100       | BT50               | M16x50               | 32 | 100 | 78 | 24 | 6.20              |



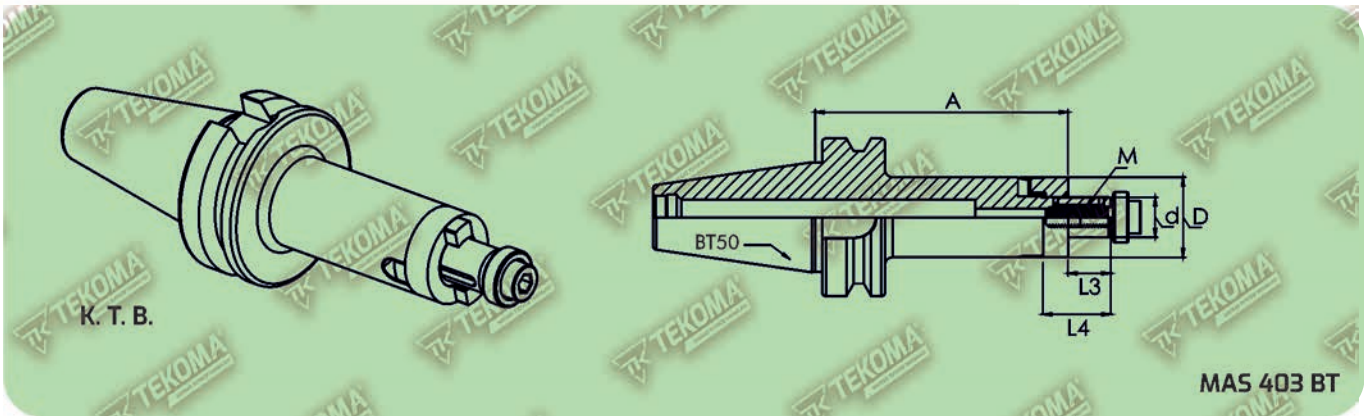


BT50 Kombine  
Malafa

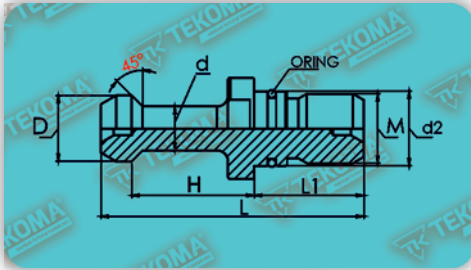


| Sipariş Kodu<br>Order Code | BT Tipi<br>BT Type | Ölçüler (Dimensions) |    |    |    |    |    | Ağırlık<br>Weight |
|----------------------------|--------------------|----------------------|----|----|----|----|----|-------------------|
|                            |                    | M                    | d  | A  | D  | L3 | L4 |                   |
| K.T.B-50.8.16.70           | BT50               | M8x35                | 16 | 55 | 32 | 17 | 27 | 3.80              |
| K.T.B-50.10.22.70          | BT50               | M10x40               | 22 | 55 | 40 | 19 | 31 | 3.95              |
| K.T.B-50.12.27.70          | BT50               | M12x45               | 27 | 55 | 48 | 21 | 33 | 4.10              |
| K.T.B-50.16.32.70          | BT50               | M16x50               | 32 | 60 | 58 | 24 | 38 | 4.40              |
| K.T.B-50.20.40.70          | BT50               | M20x60               | 40 | 60 | 70 | 27 | 41 | 4.85              |

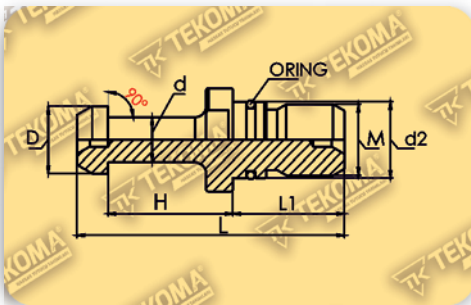




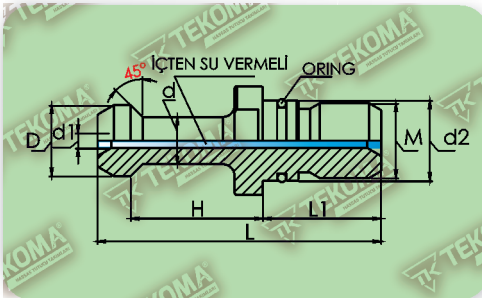
| Sipariş Kodu<br>Order Code | BT Tipi<br>BT Type | Ölçüler (Dimensions) |    |     |    |    |    | Ağırlık<br>Weight |
|----------------------------|--------------------|----------------------|----|-----|----|----|----|-------------------|
|                            |                    | M                    | d  | A   | D  | L3 | L4 |                   |
| K.T.B-50.8.16.100          | BT50               | M8x35                | 16 | 100 | 32 | 17 | 27 | 4.03              |
| K.T.B-50.10.22.100         | BT50               | M10x40               | 22 | 100 | 40 | 19 | 31 | 4.23              |
| K.T.B-50.12.27.100         | BT50               | M12x45               | 27 | 100 | 48 | 21 | 33 | 4.55              |
| K.T.B-50.16.32.100         | BT50               | M16x50               | 32 | 100 | 58 | 24 | 38 | 5.03              |


**45° Çektirme Civata • 45° Pull Studs**


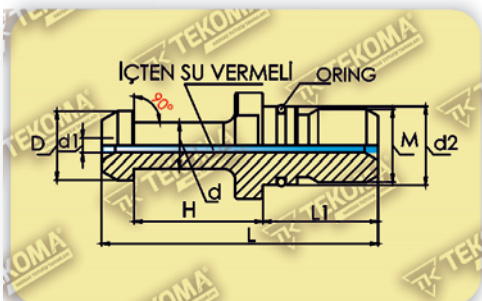
| Sipariş Kodu<br>Order Code | BT Tipi<br>BT Type | Ölçüler (Dimensions) |    |    |    |    |    |    |     |
|----------------------------|--------------------|----------------------|----|----|----|----|----|----|-----|
|                            |                    | D                    | d  | d1 | d2 | L  | L1 | H  | M   |
| TPLS-4045                  | 45° BT40           | 15                   | 10 | -  | 17 | 60 | 25 | 28 | M16 |
| <b>NEW</b> TPLS-4045-SK    | 45° BT40           | 15                   | 10 | -  | 17 | 57 | 25 | 25 | M16 |
| TPLS-5045                  | 45° BT50           | 23                   | 17 | -  | 25 | 85 | 40 | 35 | M24 |

**90° Çektirme Civata • 90° Pull Studs**


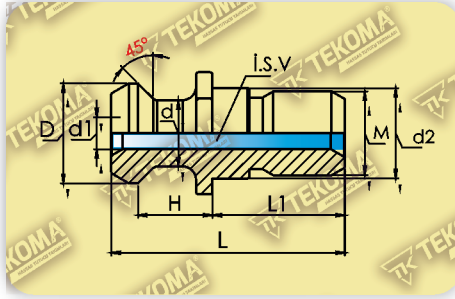
| Sipariş Kodu<br>Order Code | BT Tipi<br>BT Type     | Ölçüler (Dimensions) |    |    |    |    |    |    |     |
|----------------------------|------------------------|----------------------|----|----|----|----|----|----|-----|
|                            |                        | D                    | d  | d1 | d2 | L  | L1 | H  | M   |
| TPLS-4090                  | 90° BT40<br>Mori-Seiki | 15                   | 10 | -  | 17 | 60 | 25 | 28 | M16 |
| TPLS-4090-SK               | 90° BT40<br>Mori-Seiki | 15                   | 10 | -  | 17 | 57 | 25 | 25 | M16 |
| TPLS-5090                  | 90° BT50<br>Mori-Seiki | 23                   | 17 | -  | 25 | 85 | 40 | 35 | M24 |

**45 & 90° İçten Su Vermeli Çektirme Civatalar • 45 & 90° to Water Internally Pull Studs**

**45° İçten Su Vermeli Çektirme Civata • 45° to Water Internally Pull Studs**

| Sipariş Kodu<br>Order Code | BT Tipi<br>BT Type | Ölçüler (Dimensions) |    |    |    |    |    |    |     |
|----------------------------|--------------------|----------------------|----|----|----|----|----|----|-----|
|                            |                    | D                    | d  | d1 | d2 | L  | L1 | H  | M   |
| TPLS-4045                  | 45° BT40           | 15                   | 10 | 3  | 17 | 60 | 25 | 28 | M16 |
| <b>NEW</b> TPLS-4045-SK    | 45° BT40           | 15                   | 10 | 3  | 17 | 57 | 25 | 25 | M16 |
| TPLS-5045                  | 45° BT50           | 23                   | 17 | 6  | 25 | 85 | 40 | 35 | M24 |

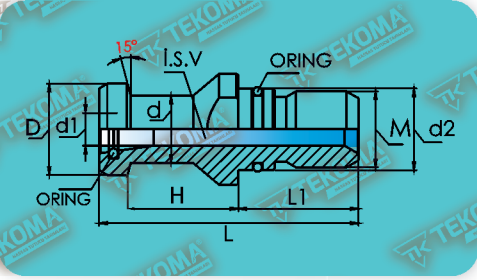

**90° İçten Su Vermeli Çektirme Civata • 90° to Water Internally Pull Studs**

| Sipariş Kodu<br>Order Code | BT Tipi<br>BT Type | Ölçüler (Dimensions) |    |    |    |    |    |    |     |
|----------------------------|--------------------|----------------------|----|----|----|----|----|----|-----|
|                            |                    | D                    | d  | d1 | d2 | L  | L1 | H  | M   |
| TPLS-4090                  | 90° BT40           | 15                   | 10 | 3  | 17 | 60 | 25 | 28 | M16 |
| <b>NEW</b> TPLS-4090-SK    | 90° BT40           | 15                   | 10 | 3  | 17 | 57 | 25 | 25 | M16 |
| TPLS-5090                  | 90° BT50           | 23                   | 17 | 6  | 25 | 85 | 40 | 35 | M24 |

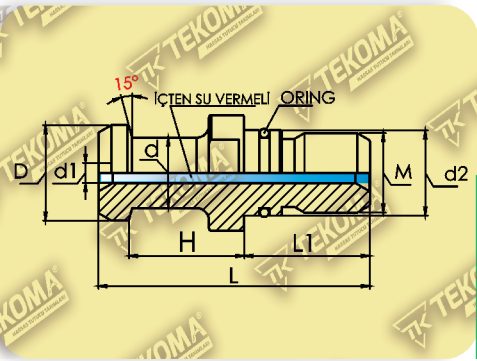

**45° İçten Su Vermeli Çektirme Cıvata / 45°to Water Internally Pull Studs**


NEW  
NEW

| Sipariş Kodu<br>Order Code | BT Tipi<br>BT Type | Ölçüler (Dimensions) |       |    |    |       |    |       |     |
|----------------------------|--------------------|----------------------|-------|----|----|-------|----|-------|-----|
|                            |                    | D                    | d     | d1 | d2 | L     | L1 | H     | M   |
| TPLİS-MZK-4126             | 45° CAT40 Mazak    | 18.8                 | 12.45 | 6  | 17 | 41.26 | 25 | 11.18 | M16 |
| TPLİS-MZK-4411             | 45° BT40 Mazak     | 18.8                 | 12.45 | 6  | 17 | 44.11 | 25 | 14.03 | M16 |
| TPLİS-MZK-6540             | 45° CAT50 Mazak    | 28.96                | 20.83 | 10 | 25 | 65.40 | 40 | 17.78 | M24 |
| TPLİS-MZK-6520             | 45° CAT50 Mazak    | 28.96                | 20.83 | 10 | 25 | 65.20 | 40 | 17.58 | M24 |

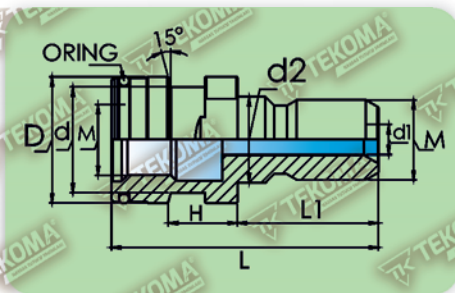

**15° İçten Su Vermeli Çektirme Cıvata | 15° to Water Internally Pull Studs**

| Sipariş Kodu<br>Order Code | BT Tipi<br>BT Type  | Ölçüler (Dimensions) |       |     |    |    |    |    |     |
|----------------------------|---------------------|----------------------|-------|-----|----|----|----|----|-----|
|                            |                     | D                    | d     | d1  | d2 | L  | L1 | H  | M   |
| TMR5-4015-Y                | 15° BT40 Mori-Seiki | 18.95                | 13.95 | 6.8 | 17 | 54 | 25 | 23 | M16 |

**15° İçten Su Vermeli Çektirme Cıvata · 15°to Water Internally Pull Studs**


NEW  
NEW  
NEW  
NEW

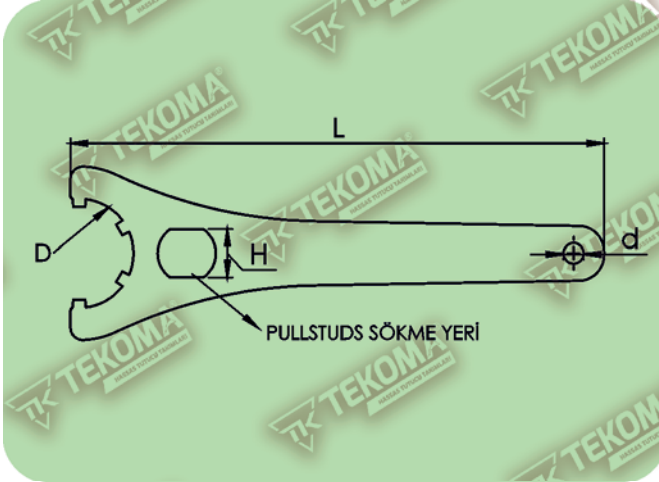
| Sipariş Kodu<br>Order Code | BT Tipi<br>BT Type    | Ölçüler (Dimensions) |    |    |    |    |    |    |     |
|----------------------------|-----------------------|----------------------|----|----|----|----|----|----|-----|
|                            |                       | D                    | d  | d1 | d2 | L  | L1 | H  | M   |
| TPLİS-4015-4               | 15° BT40 Makino-Okuma | 19                   | 14 | 4  | 17 | 54 | 25 | 23 | M16 |
| TPLİS-4015                 | 15° BT40              | 19                   | 14 | 6  | 17 | 54 | 25 | 23 | M16 |
| TPLİS-4015-6-SK            | 15° BT40              | 19                   | 14 | 6  | 17 | 54 | 28 | 20 | M16 |
| TPLS-4015-SK               | 15° BT40              | 19                   | 14 | -  | 17 | 54 | 28 | 20 | M16 |
| TPLİS-5015-10-SK           | 15° BT50              | 28                   | 21 | 10 | 25 | 74 | 40 | 25 | M24 |
| TPLS-5015-SK               | 15° BT50              | 28                   | 21 | -  | 25 | 74 | 40 | 25 | M24 |


**15° ISO İçten Çektirme Cıvata · 15° ISO Pull Studs**

| Sipariş Kodu<br>Order Code | BT Tipi<br>BT Type | Ölçüler (Dimensions) |      |    |    |    |    |      |     |
|----------------------------|--------------------|----------------------|------|----|----|----|----|------|-----|
|                            |                    | D                    | d    | d1 | d2 | L  | L1 | H    | M   |
| TPİLS-4015-ISO             | 15° BT40           | 25                   | 21.1 | 6  | 17 | 53 | 28 | 13.7 | M16 |
| TPİLS-5015-ISO             | 15° BT50           | 39.2                 | 32   | 7  | 25 | 65 | 40 | 13   | M24 |

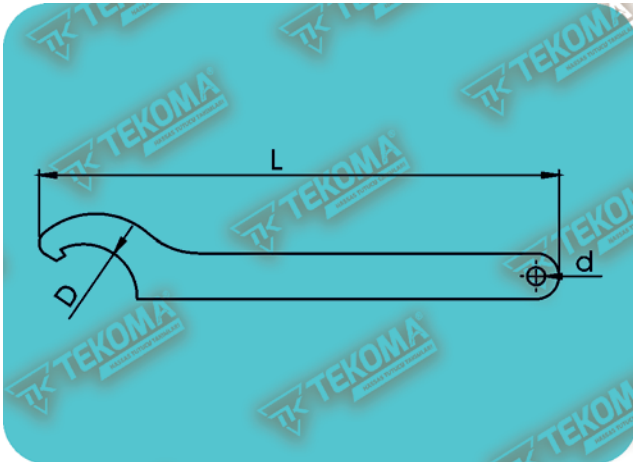


### C Tipi Anahtar · C Type Wrench ER



| Sipariş Kodu<br>Order Code | ER Tipi<br>ER Type | Ölçüler (Dimensions) |    |   |    | Ağırlık<br>Weight |
|----------------------------|--------------------|----------------------|----|---|----|-------------------|
|                            |                    | L                    | D  | d | H  |                   |
| TPA-426-ER16MİNİ           | ER16               | 129                  | 24 | 5 | -  | 0.14              |
| TPA-426-ER16               | ER16               | 200                  | 33 | 5 | -  | 0.30              |
| TPA-430-ER25               | ER25               | 210                  | 43 | 8 | 19 | 0.35              |
| TPA-470-ER32               | ER32               | 260                  | 51 | 9 | 19 | 0.47              |
| TPA-472-ER40               | ER40               | 295                  | 64 | 9 | 19 | 0.60              |

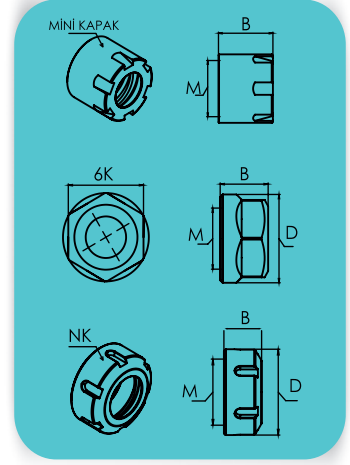
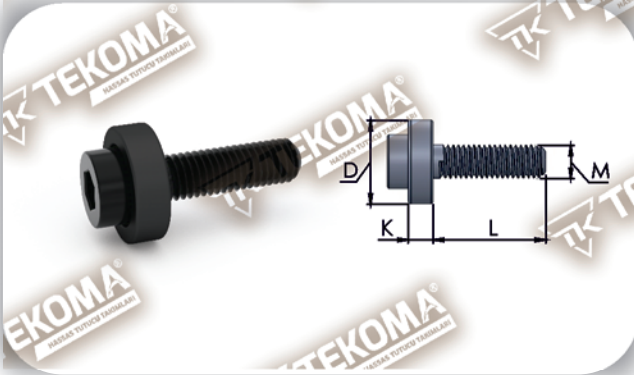
### Ay Tipi Anahtar · Wrench DIN 1810 A ER



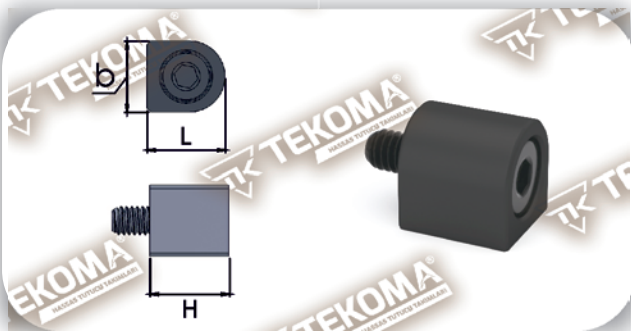
| Sipariş Kodu<br>Order Code | ER Tipi<br>ER Type | Ölçüler (Dimensions) |      |   | Ağırlık<br>Weight |
|----------------------------|--------------------|----------------------|------|---|-------------------|
|                            |                    | L                    | D    | d |                   |
| TPAY-426-ER16MİNİ          | ER16               | 130                  | 22.5 | 5 | 0.11              |
| TPAY-426-ER16              | ER16               | 195                  | 32   | 5 | 0.19              |
| TPAY-430-ER25              | ER25               | 205                  | 42   | 7 | 0.20              |
| TPAY-470-ER32              | ER32               | 220                  | 50   | 7 | 0.25              |
| TPAY-472-ER40              | ER40               | 260                  | 63   | 7 | 0.45              |

**Pens Kapak Modelleri ER Tipi · Clamping Nuts Models ER Type**


| Model Type | Sipariş Kodu<br>Order Code | ER Tipi<br>ER Type | Ölçüler (Dimensions) |      |    |         | Ağırlık<br>Weight |
|------------|----------------------------|--------------------|----------------------|------|----|---------|-------------------|
|            |                            |                    | D                    | B    | 6K | M       |                   |
| Mini       | TPGK-426 Mini              | ER16               | 22                   | 18   | -  | M19x1   | 0.020             |
| 6K         | TPGK-426-6K                | ER16               | 28                   | 18   | 25 | M22x1.5 | 0.040             |
| NK         | TPGK-426                   | ER16               | 32                   | 18   | -  | M22x1.5 | 0.060             |
| 6K         | TPGK-428-6K                | ER20               | 34                   | 19   | 30 | M25x1.5 | 0.060             |
| NK         | TPGK-430                   | ER25               | 42                   | 20   | -  | M32x1.5 | 0.140             |
| NK         | TPGK-470                   | ER32               | 50                   | 22.6 | -  | M40x1.5 | 0.180             |
| NK         | TPGK-472                   | ER40               | 63                   | 25.7 | -  | M50x1.5 | 0.300             |

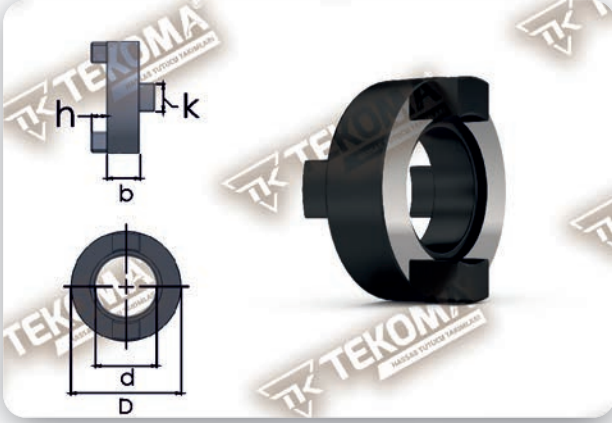

**Tarama Başlıklı Sıkma Civatası · Drawn in Bolt**


| Sipariş Kodu<br>Order Code | Ölçüler (Dimensions) |     |    |    |    |
|----------------------------|----------------------|-----|----|----|----|
|                            | Cinsi                | M   | D  | K  | L  |
| TB - 16                    | A.T.B K.T.B          | M8  | 20 | 6  | 35 |
| TB - 22                    | A.T.B K.T.B          | M10 | 28 | 7  | 40 |
| TB - 27                    | A.T.B K.T.B          | M12 | 35 | 8  | 45 |
| TB - 32                    | A.T.B K.T.B          | M16 | 42 | 9  | 50 |
| TB - 40                    | A.T.B K.T.B          | M20 | 52 | 10 | 60 |

**A.T.B Vidalı Kama · A.T.B Drive Key**


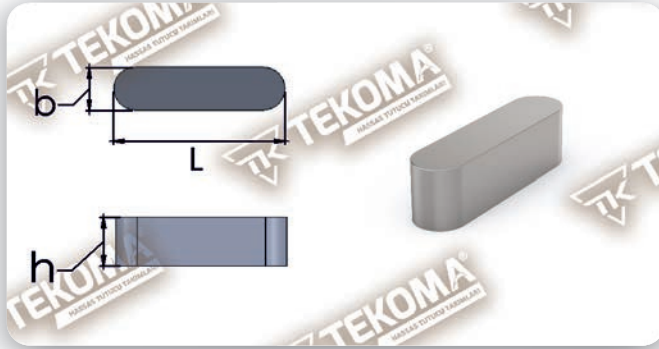
| Sipariş Kodu<br>Order Code | Ölçüler (Dimensions) |    |      |       |
|----------------------------|----------------------|----|------|-------|
|                            | b                    | L  | H    | M     |
| A.T.B - 16K                | 8                    | 10 | 9.8  | M3x12 |
| A.T.B - 22K                | 10                   | 11 | 11.2 | M4x12 |
| A.T.B - 27K                | 12                   | 14 | 12.6 | M4x16 |
| A.T.B - 32K                | 14                   | 22 | 14   | M5x16 |
| A.T.B - 40K                | 16                   | 23 | 16   | M5x20 |

## K.T.B Tırnaklı Pul · K.T.B Clutch Drive Rings To



| Sipariş Kodu<br>Order Code | Ölçüler (Dimensions) |    |    |    |     |
|----------------------------|----------------------|----|----|----|-----|
|                            | d                    | D  | b  | k  | h   |
| K.T.B - 16TP               | 16                   | 32 | 10 | 8  | 5   |
| K.T.B - 22TP               | 22                   | 40 | 12 | 10 | 5.6 |
| K.T.B - 27TP               | 27                   | 48 | 12 | 12 | 6.3 |
| K.T.B - 32TP               | 32                   | 58 | 14 | 14 | 7   |
| K.T.B - 40TP               | 40                   | 70 | 14 | 16 | 8   |

## K.T.B Kaması · K.T.B Feather Key



| Sipariş Kodu<br>Order Code | Ölçüler (Dimensions) |   |    |
|----------------------------|----------------------|---|----|
|                            | d                    | D | b  |
| K.T.B - 16K                | 4                    | 4 | 20 |
| K.T.B - 22K                | 6                    | 6 | 25 |
| K.T.B - 27K                | 7                    | 7 | 25 |
| K.T.B - 32K                | 8                    | 7 | 28 |
| K.T.B - 40K                | 10                   | 8 | 32 |

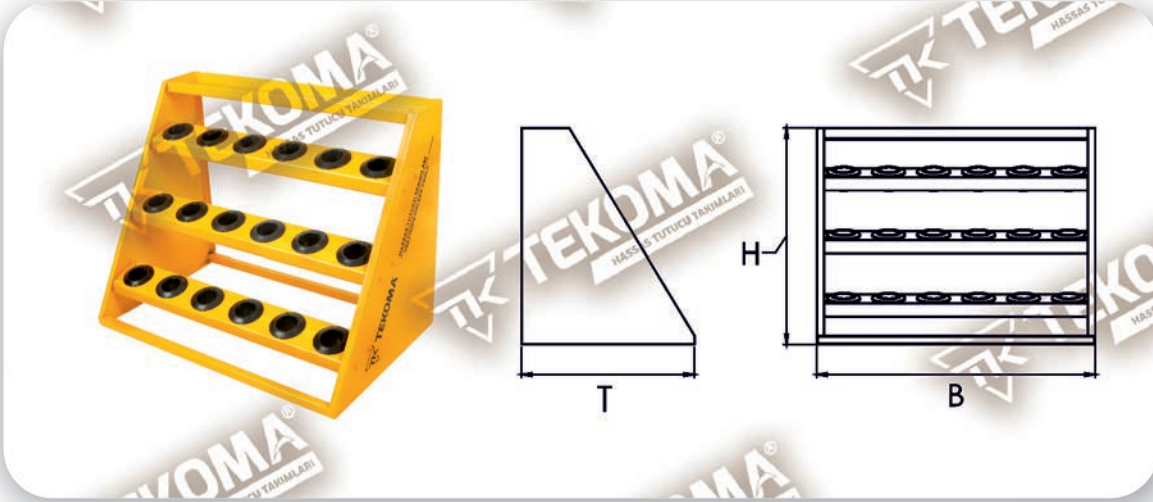
## Veldon Civataları · Weldon Screw



| Sipariş Kodu<br>Order Code | Ölçüler (Dimensions) |    |          |
|----------------------------|----------------------|----|----------|
|                            | M                    | L  | Veldon Ø |
| TV-610                     | M6                   | 10 | 6        |
| TV-810                     | M8                   | 10 | 8        |
| TV-1012                    | M10                  | 12 | 10       |
| TV-1216                    | M12                  | 16 | 12-14    |
| TV-1416                    | M14                  | 16 | 16-18    |
| TV-1616                    | M16                  | 16 | 20       |
| TV-1615                    | M16                  | 15 | 25       |
| TV-1820                    | M18x2                | 20 | 25       |
| TV-1616                    | M16                  | 16 | 32       |
| TV-2020                    | M20x2                | 20 | 32-40    |

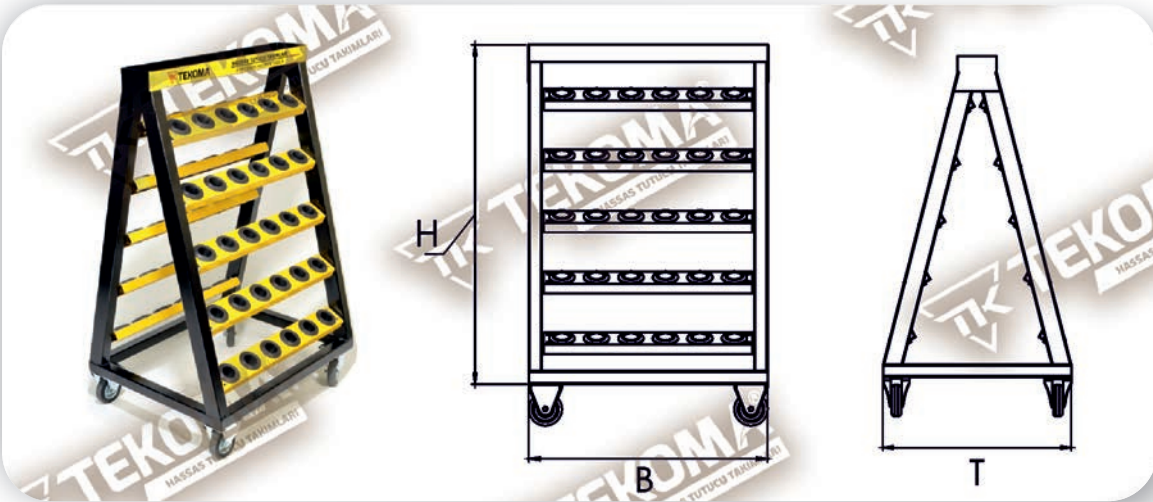


## Masa Üstü Takım Sehpası · Table Top Tool Stand



| Sipariş Kodu<br>Order Code | Ölçüler (Dimensions) |                       |     |     |     |
|----------------------------|----------------------|-----------------------|-----|-----|-----|
|                            | Cinsi<br>Dimension   | Takım Adeti<br>Insert | B   | T   | H   |
| TTA-4018                   | BT40                 | 18                    | 700 | 400 | 500 |
| TTA-5015                   | BT50                 | 15                    | 700 | 400 | 500 |

## Taşınabilir Takım Arabası · Portable Tool Trolley

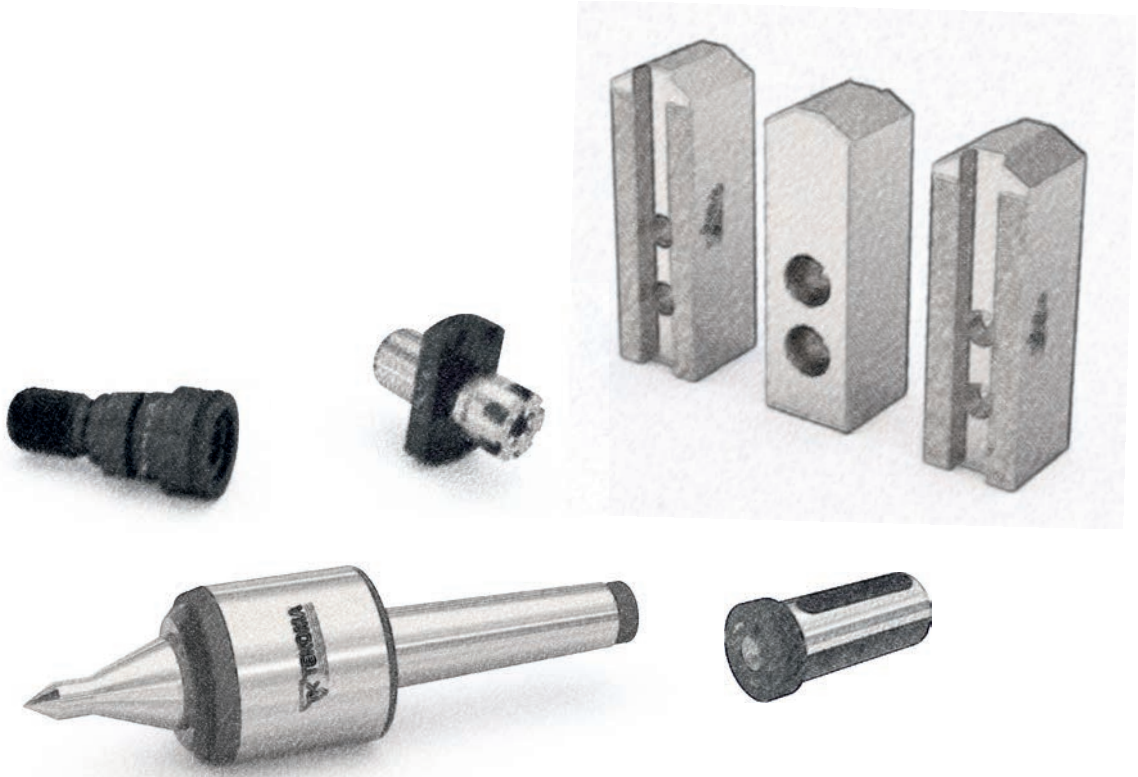


| Sipariş Kodu<br>Order Code | Ölçüler (Dimensions) |                       |     |     |      |
|----------------------------|----------------------|-----------------------|-----|-----|------|
|                            | Cinsi<br>Dimension   | Takım Adeti<br>Insert | B   | T   | H    |
| TTA-4060                   | BT40                 | 60                    | 720 | 600 | 1050 |
| TTA-5050                   | BT50                 | 50                    | 720 | 600 | 1050 |

## Montaj Aparatı Çelik Tighening Fixtures Steel



| Sipariş Kodu<br>Order Code | Ölçüler (Dimensions) |     |     |     |
|----------------------------|----------------------|-----|-----|-----|
|                            | Cinsi<br>Dimension   | L   | H   | B   |
| TMA- 40                    | BT40                 | 140 | 115 | 80  |
| TMA-50                     | BT50                 | 210 | 163 | 106 |



Hassas Takım Tutucu  
İşlerinizdeki **Hassas Nokتانız**



# Hassas Takım Tutucu İşlerinizdeki **Hassas Noktanız**



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