# ISO 15552
# PNÖMATİK SİLİNDİRLER
# DMC SERİSİ Ø32 - Ø100

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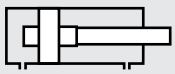
# DMC SERİSİ

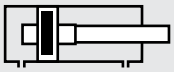
ISO 15552 - ∅32 - ∅100

MANYETİK YASTIKLAMALI SİLİNDİR

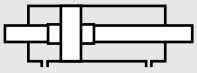
OPTİMUM FİYAT,
MAKSİMUM PERFORMANS



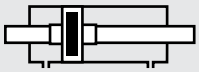
**DMC:** ÇİFT ETKİLİ YASTIKLAMALI SİLİNDİR



**DMC-A:** ÇİFT ETKİLİ YASTIKLAMALI MANYETİK SİLİNDİR



**DMC-D:** ÇİFT ETKİLİ YASTIKLAMALI ÇİFT MİLLİ SİLİNDİR



**DMC-AD:** ÇİFT ETKİLİ YASTIKLAMALI MANYETİK ÇİFT MİLLİ SİLİNDİR

Bu ürünlerde yastıklama standarttır.

## Kuvvet değeri:

| Silindir Ø mm | Mil Ø mm | İtme ve Çekme kuvvetleri (6 Bar) | |
|---|---|---|---|
| | | İtme kuvveti (N) | Çekme kuvveti (N) |
| 32 | 12 | 482 | 415 |
| 40 | 16 | 754 | 633 |
| 50 | 20 | 1178 | 990 |
| 63 | 20 | 1870 | 1682 |
| 80 | 25 | 3016 | 2721 |
| 100 | 25 | 4712 | 4418 |

## Sipariş örneği:

| DMC-A | 050-0100 | AB | M1 |
|---|---|---|---|
| Ürün kodu | Silindir ∅ Strok | Silindir bağlantıları | Standart dışı varyasyonlar |

## Standart dışı varyasyonlar:

R1: Paslanmaz çelik silindir mili (SS 304, SS 316)
R3: Kapak bağlantı cıvataları paslanmaz çelik (SS 304)
R4: Mil ucu somunu paslanmaz çelik (SS 304)
R5: Silindir mili CK 45 çelik (sert krom kaplamalı)
M1: Silindir milinde uzatılmış erkek diş
M2: Dişi diş açılmış silindir mili
M3: Silindir mili özel diş ölçüsü
M4: Uzatılmış silindir mili
K1: Maks. 150°C için sızdırmazlık elemanları (viton)
K2: Mil keçesi NBR+PA
K3: Sızdırmazlık elemanları NBR
K4: Mil keçesi viton

## Çalışma akışkanı:

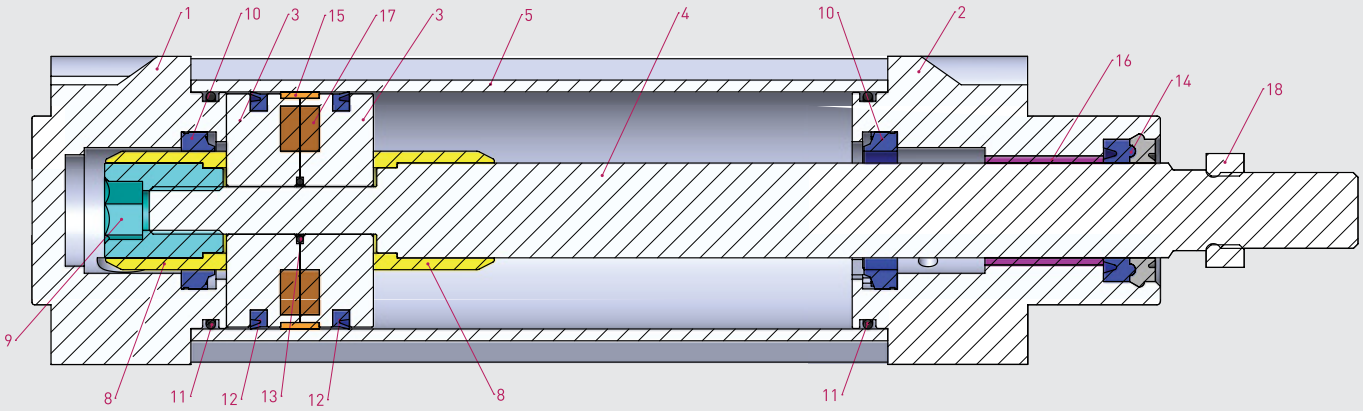
Filtrelenmiş ve yağlanmış ya da filtrelenmiş ve yağsız hava

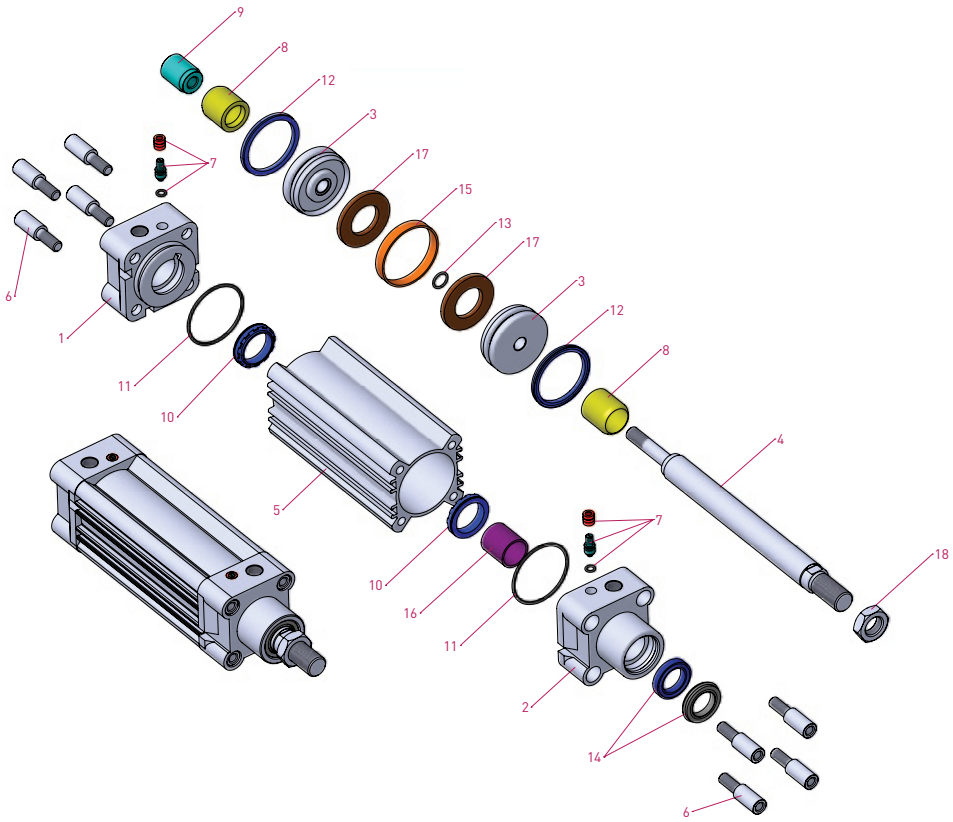
## Çalışma sıcaklık derecesi:

Poliüretan (PU) : (-20°C) - (+80°C)
Viton (FKM) : (-30°C) - (+180°C)

## Maksimum çalışma basıncı:

10 Bar

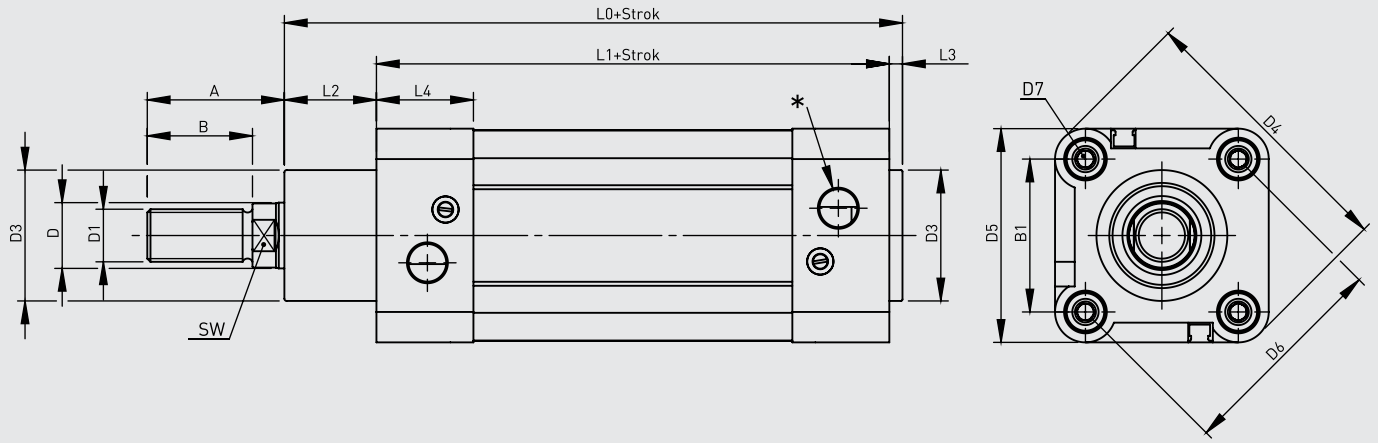


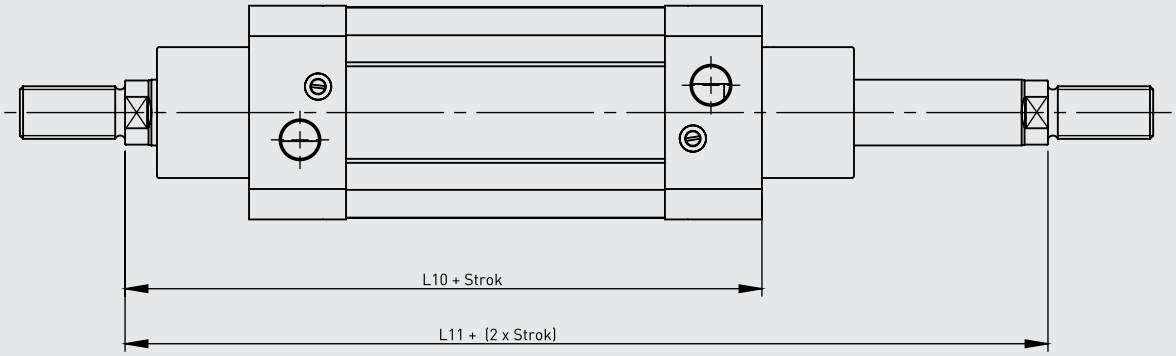




| No | Malzeme adı | Malzeme özelliği | Adedi |
|---|---|---|---|
| 1 | Arka kapak | Alüminyum | 1 |
| 2 | Ön kapak | Alüminyum | 1 |
| 3 | Orta piston | Alüminyum | 2 |
| 4 | Piston mili | X20 Cr13 Sert Krom kaplamalı | 1 |
| 5 | Boru | Al Mg Si 0,5 + Eloksal kaplamalı | 1 |
| 6 | Civata | Galvaniz kaplamalı çelik | 8 |
| 7 | Yastıklama vidası | 6082 Al. + Eloksal + AISI 303 NBR | 2 |
| 8 | Yastıklama plastiği | Polyacetal | 2 |
| 9 | Yastıklama dişlisi | Galvaniz kaplamalı çelik | 1 |
| 10 | Yastıklama keçesi | PU | 2 |
| 11 | Kapak O-ringi | NBR | 2 |

| No | Malzeme adı | Malzeme özelliği | Adedi |
|---|---|---|---|
| 12 | Piston keçesi | PU | 2 |
| 13 | Orta piston O-ringi | NBR | 1 |
| 14 | Mil keçesi | HYTREL + PU | 1 |
| 15 | Yataklama bandı | Polyacetal | 1 |
| 16 | Yataklama burcu | CSB-40 | 1 |
| 17 | Mıknatıs | | 2 |
| 18 | Somun | Galvaniz kaplamalı çelik | 1 |

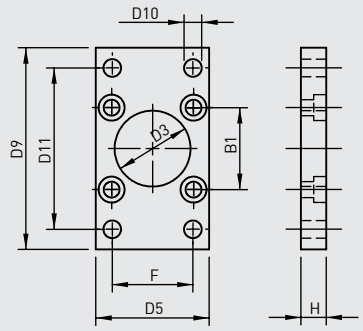
**Not:**
Çap 32'de yastıklama plastiği yerine yastıklama sarısı, yastıklama plastiği dişlisi yerine ise yastıklama sarısı dişlisi kullanılmaktadır. (Malzeme: Pirinç)



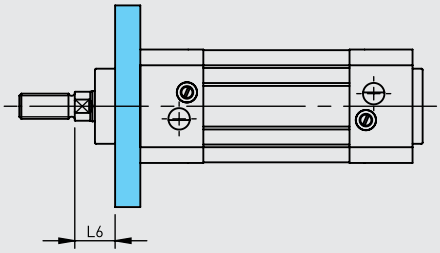




| Silindir Ø mm | A | B | B1 | D Ø | D1 | D3 Ø | D4 | D5 | D6 Ø | D7 | L0 | L1 | L2 | L3 | L4 | L10 | L11 | SW | * |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 32 | 30 | 22 | 32.5 | 12 | M10x1.25 | 30 | 59 | 45 | 46 | M6 | 116 | 94 | 18 | 4 | 25 | 120 | 146 | 10 | G1/8" |
| 40 | 34 | 24 | 38 | 16 | M12x1.25 | 35 | 70,2 | 54 | 53.7 | M6 | 129 | 105 | 20 | 4 | 27 | 135 | 165 | 13 | G1/4" |
| 50 | 41 | 32 | 46.5 | 20 | M16x1.5 | 40 | 84,2 | 65 | 65.7 | M8 | 138 | 106 | 28 | 4 | 29.5 | 143 | 180 | 17 | G1/4" |
| 63 | 42 | 32 | 56.5 | 20 | M16x1.5 | 45 | 99,5 | 76 | 80 | M8 | 152 | 121 | 27 | 4 | 34,5 | 158 | 195 | 17 | G3/8" |
| 80 | 52 | 40 | 72 | 25 | M20x1.5 | 45 | 123.8 | 94 | 101.8 | M10 | 167 | 128 | 34 | 4 | 35 | 174 | 220 | 22 | G3/8" |
| 100 | 52.5 | 40 | 89 | 25 | M20x1.5 | 55 | 148.8 | 112 | 125.9 | M10 | 182.5 | 138 | 38.5 | 4 | 38 | 189 | 240 | 22 | G1/2" |

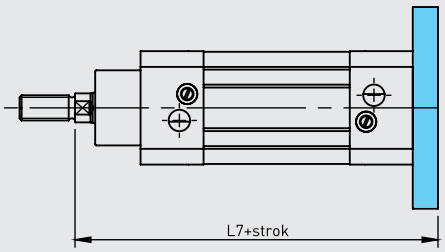
### FB Flanş Bağlantı



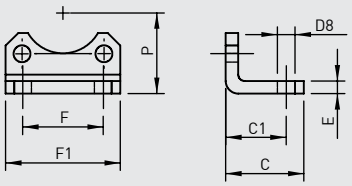

### ÖFB Ön Flanş Bağlantı



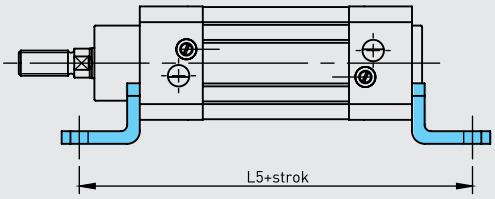

### AFB Arka Flanş Bağlantı



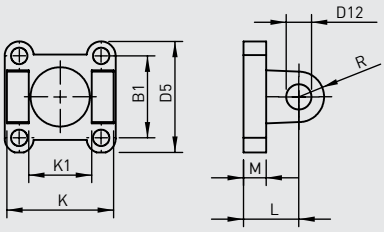

### AB Ayak Bağlantı



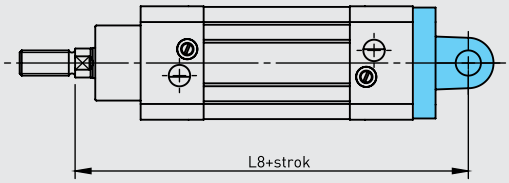

### AB Ayak Bağlantı



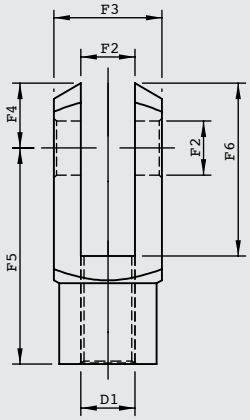

### EB Eklem Bağlantı



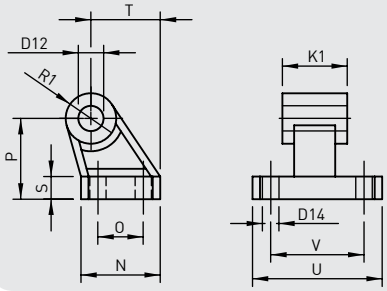

### EB Eklem Bağlantı




### ÇB Çatal Bağlantı



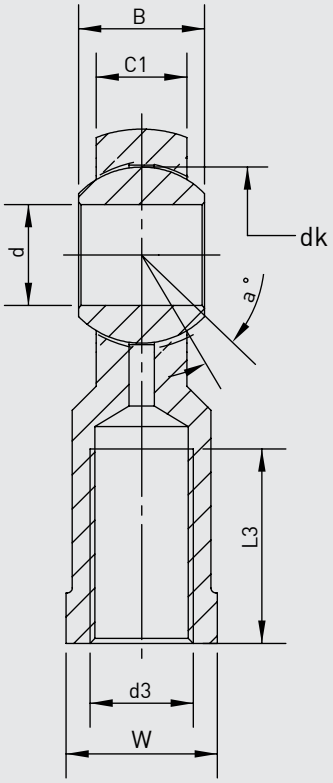

### YB Yer Bağlantı

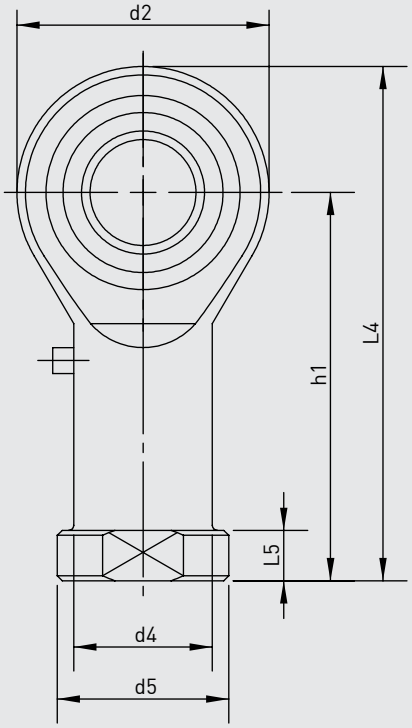



### EYB Eklem Yer Bağlantı

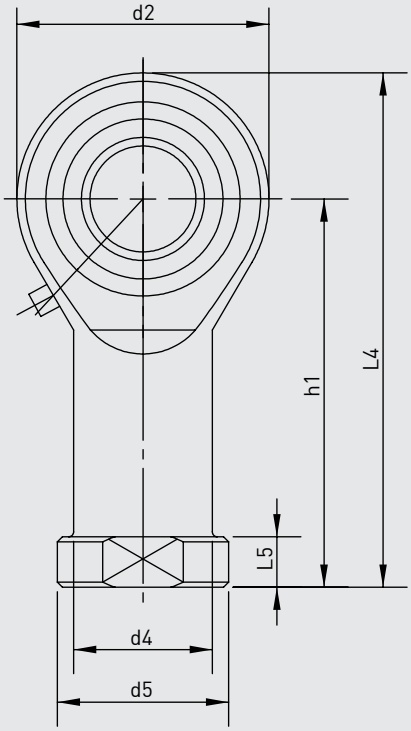
| Silindir Ø mm | B1 | C | C1 | D1 | D3 Ø | D5 | D8 Ø | D9 | D10 Ø | D11 | D12 Ø | D14 Ø | E | F | F1 | F2 Ø | F3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 32 | 32.5 | 30 | 24 | M10x1.25 | 30 | 45 | 7 | 80 | 7 | 64 | 10 | 5.5 | 5 | 32 | 45.5 | 10 | 20 |
| 40 | 38 | 37 | 28 | M12x1.25 | 35 | 54 | 10 | 90 | 9 | 72 | 12 | 5.5 | 5 | 36 | 54.5 | 12 | 24 |
| 50 | 46.5 | 41 | 32 | M16x1.5 | 40 | 65 | 10 | 110 | 9 | 90 | 12 | 6.5 | 6 | 45 | 65 | 16 | 32 |
| 63 | 56.5 | 44 | 32 | M16x1.5 | 45 | 76 | 10 | 120 | 9 | 100 | 16 | 6.5 | 6 | 50 | 76 | 16 | 32 |
| 80 | 72 | 56 | 41 | M20x1.5 | 45 | 94 | 12 | 150 | 12 | 126 | 16 | 9 | 6 | 63 | 94 | 20 | 40 |
| 100 | 89 | 58 | 41 | M20x1.5 | 55 | 112 | 14 | 175 | 14 | 150 | 20 | 9 | 6 | 75 | 112 | 20 | 40 |

| Silindir Ø mm | F4 | F5 | F6 | H | K | K1 | L | L5 | L6 | L7 | L8 | M | N | O | P | R | R1 | S | T | U | V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 32 | 12 | 40 | 32 | 10 | 45 | 26 | 22 | 142 | 16 | 130 | 142 | 9 | 31 | 18 | 32 | 10 | 10 | 8 | 27.5 | 51 | 38 |
| 40 | 14 | 48 | 38 | 10 | 52 | 28 | 25 | 161 | 20 | 145 | 160 | 9 | 35 | 22 | 36 | 12 | 11 | 10 | 30.5 | 54 | 41 |
| 50 | 19 | 64 | 51 | 12 | 60 | 32 | 27 | 170 | 25 | 155 | 170 | 11 | 45 | 30 | 45 | 13 | 13 | 12 | 40.5 | 65 | 50 |
| 63 | 19 | 64 | 51 | 12 | 70 | 40 | 32 | 185 | 25 | 170 | 190 | 11 | 50 | 35 | 50 | 16 | 15 | 12 | 44.5 | 67 | 52 |
| 80 | 25 | 80 | 65 | 16 | 90 | 50 | 36 | 210 | 30 | 190 | 210 | 14 | 60 | 40 | 63 | 16 | 15 | 14 | 57 | 86 | 66 |
| 100 | 25 | 80 | 65 | 16 | 110 | 60 | 41 | 220 | 35 | 205 | 230 | 14 | 70 | 50 | 71 | 20 | 19 | 15 | 65 | 96 | 76 |

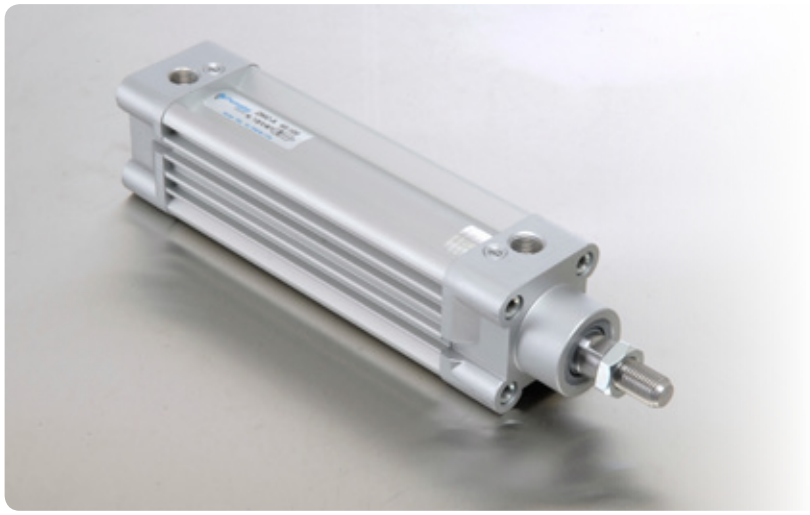



d ≤ ∅ 14




d ≥ ∅ 16



## DMC SERİSİ

ISO 15552 - ∅32 - ∅100

| Parça No. | Ölçüler (mm) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | d | d3 6H | B | C1 | w | L3 min | d2 | L4 | h1 | L5 | d4 | d5 | dk | a° |
| KMB 10-1 | 10 | M10x1.25 | 14 | 10,5 | 17 | 20 | 26 | 56 | 43 | 6,5 | 15 | 19 | 19,05 | 13 |
| KMB 12-1 | 12 | M12x1.25 | 16 | 12 | 19 | 22 | 30 | 65 | 50 | 6,5 | 17,5 | 22 | 22,225 | 13 |
| KMB 16-1 | 16 | M16x1.5 | 21 | 15 | 22 | 28 | 40 | 84 | 64 | 8 | 22 | 27 | 28,575 | 15 |
| KMB 20 | 20 | M20x1.5 | 25 | 18 | 30 | 33 | 50 | 102 | 77 | 10 | 27,5 | 34 | 34,925 | 14 |