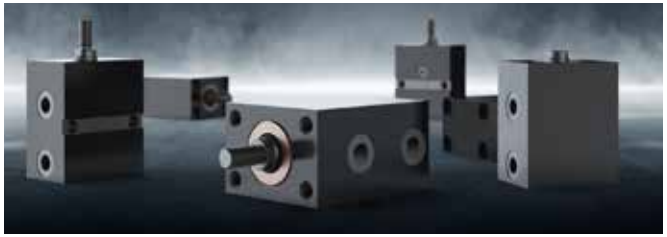
HYDRAULIC-PNEUMATIC

ileri teknoloji, sınırsız potansiyel | advanced technology, unlimited potential

# TEKNİK KATALOG

# TECHNIC CATALOGUE



ÖZKAR

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advanced technology,
unlimited potential

# ÖZKAR HİDROLİK

**1983** Yılında Ulvi Özelçi tarafından İstanbul Hasköy semtinde temelleri atıldı. 15 m² alanda faaliyete başlayan Özkar Hidrolik; Hidrolik sistem teknik desteği ve Hidrolik sistem teknik çizim hizmetleri vermeye başladı.

**1987** İlk büyüme adımını gerçekleştirerek 100 m² büyüklüğünde yeni üretim tesisine geçiş yaptı. Firma teknik danışmanlık hizmeti yanısıra üretim faliyetlerine başlamak üzere ilk Universal torna tezgahını ve Universal matkap tezgahını parkuruna ekledi. İlk hidrolik silindir üretimi sonrasında üretim alanlarını geliştirerek Hidrolik Güç Sistemleri ve Hidrolik Preslerlerini ürün gamına ekledi.

**1995** Yılında üretim kapasitesini arttırmak amacıyla 250 m² yeni atölyesine geçen Özkar Hidrolik, universal torna tezgahı ve matkap sayısını arttırırken ilk freze tezgahını da makine parkuruna ekleyerek daha yüksek kapasite ile üretim yapmaya başladı.

**2000** Kalıp sektörünün ihtiyaçları doğrultusunda 2000 yılında ilk blok silindir imalatı gerçekteştirildi.

**2008** Yılında ilk CNC Freze ve Torna tezgahı üretim ekipmanları arasına dahil edildi. Üretim prosesleri artık daha hassas, kaliteli ve hatasız olarak yapılabiliyordu.

**2014** Yılında kurucumuz Ulvi Özelçi hayata veda etti. 2. Kuşak olarak oğulları Murat Özelçi ve Emre Özelçi babalarının bilgi birikimi ve tecrübesi ışığında Özkar Hidroliği geliştirmeye ve yaşatmaya devam ettiler.

**2015** Yılında Özkar Hidrolik büyük bir yatırım ile İkitelli Organize Sanayi Bölgesinde yer alan 600 m²'lik yeni tesisinine geçiş yaptı. Aynı yıl firma tarihinin ilk ihracatını gerçekleştirdi.

**2021** yılına gelindiğinde üretim kapasitesini arttırmak hedefi ile son teknoloji makina parkuru ve altyapıya sahip 1500 m²'lik yeni üretim tesisine geçiş yapıldı.

**2022** Yılına geldiğimizde Özkar Hidrolik 15 çalışanı, 7 adet CNC tezgahı, 5 farklı ülkeye ihracatı ve yüksek üretim kapasitesi ile Ulvi Özelçi'den aldıkları emaneti emin adımlarla geleceğe taşımaya devam ediyorlar.

# ÖZKAR HYDRAULIC

In **1983**, Ulvi Özelçi laid the foundations for Özkar Hidrolik in the Hasköy district of Istanbul. Starting in a 15 m² area, Özkar Hidrolik began providing technical support and hydraulic system technical drawing services.

In **1987**, taking its first step towards growth, the company moved to a new production facility covering 100 m². In addition to technical consultancy services, the company introduced its first Universal lathe and Universal drill machines to start production activities. After the first production of hydraulic cylinders, they expanded their production areas to include Hydraulic Power Systems and Hydraulic Presses in their product range.

In **1995**, with the aim of increasing production capacity, Özkar Hidrolik moved to a new 250 m² workshop. They added more Universal lathe and drill machines and included the first milling machine in their machinery park to increase production capacity.

In **2000**, they realized their first block cylinder production in response to the needs of the mold sector.

In **2008**, the company added its first CNC milling and turning machines to its production equipment. The production processes could now be carried out with higher precision, quality, and without errors.

In **2014**, our founder Ulvi Özelçi passed away. As the second generation, his sons Murat Özelçi and Emre Özelçi continued to develop and sustain Özkar Hidrolik in the light of their father's knowledge and experience.

In **2015**, Özkar Hidrolik made a major investment and moved to its new 600 m² facility located in İkitelli Organized Industrial Zone. The same year, the company achieved its first export.

By **2021**, with the aim of increasing production capacity, they moved to a new 1500 m² production facility equipped with state-of-the-art machinery and infrastructure.

As of **2022**, Özkar Hidrolik, with 15 employees, 7 CNC machines, exports to 5 different countries, and high production capacity, continues to carry the legacy handed down by Ulvi Özelçi confidently into the future.

# KALİTE / QUALITY

Kaliteli üretim prensibimiz doğrultusunda imalatlarımızda düşük maliyet odaklı değil en doğru ve uygun hizmeti sunmak için çalışıyoruz. Ürünlerimizin tüm aşamalarda kullanılan hammaddelerinden en küçük yardımcı malzemelere kadar en doğru ürünü tercih ederek imal ediyoruz.

Kalite standartlarımızı korumak için tüm üretim proseslerini kendi fabrikamızda yürüterek son kullanıcıya ulaştırıyoruz.Ürün takip sistemimiz sayesinde sonsuz yedek parça temini sağlıyoruz. Müşteri ilişkilerimizin temelinde kurduğumuz güvenilir ve sürekli ilişkiler yatmaktadır.

Dünya standartlarında yapmakta olduğumuz üretimlerimizi kalite belgelerimiz ile tescilliyor ve yılların tecrübesi ile size ulaştırıyoruz.

We work in line with our principle of high-quality production, aiming not for low-cost solutions but to provide the most accurate and suitable services. From the raw materials used in all stages of production to the smallest auxiliary materials, we carefully select the right products for manufacturing.

To maintain our quality standards, we conduct all production processes in our own factory and deliver them directly to the end-users. Thanks to our product tracking system, we ensure an endless supply of spare parts. Our customer relationships are built on trust and commitment, fostering reliable and long-lasting connections.

Our productions, carried out in accordance with world standards, are certified by our quality documents, and with years of experience, we deliver them to you.

## TECRÜBE
## EXPERIENCE

40+ yıllık tecrübemizi en kaliteli ve doğru ürünü üretmek için kullanıyoruz.

We leverage our 40+ years of experience to manufacture the highest quality and most accurate products.

## TÜRK MALI
## MADE IN TURKEY

%100 yerli sermaye ile ülkemize katma değer sağlamaya devam ediyoruz.

We continue to contribute value to our country with 100% domestic capital.

## ÖZEL ÜRETİM
## CUSTOM PRODUCTION

Firmanızın ihtiyaçları doğrultusunda özel tasarım ve üretim yapıyoruz.

We specialize in custom design and production tailored to your company's needs.

## TÜM DÜNYADA
## WORLDWIDE

Türkiye'de üretiyor tüm Dünyaya ihraç ediyoruz.

We produce in Turkey and export worldwide.

ISO 9001 · ISO 9001 · ISO 10001 · ISO 14001

Kalite asla bir tesadüf değil, daima akıllı bir gayretin sonucudur. / Quality is never a coincidence; it is always the result of intelligent effort.

# GÜÇ TABLOSU / FORCE TABLE

## GENEL ÖZELLİKLER - GENERAL CHARACTERISTICS

- Çalışma Basıncı / Working Pressure : 500 bar max ( 7200 PSI max )
- Test Basıncı / Test Pressure : 700 bar ( 10850 PSI )
- Sızdırmazlık Elemanları Tercihi - Sealing Elements Selection ;

| Sızdırmazlık Elemanları - Sealing Elements | N ( Standart ) | V ( Vıton ) | P ( PTFE ) |
|---|---|---|---|
| Malzeme - Material | Nitrile + Pu | FKM | FKM + PTFE |
| Çalışma Sıcaklığı - Operating Temperature | -20 / +80 Derece - Degree | -20 / +200 Derece - Degree | -20 / +240 Derece - Degree |

## İTME GÜÇ TABLOSU - THRUST FORCE TABLE

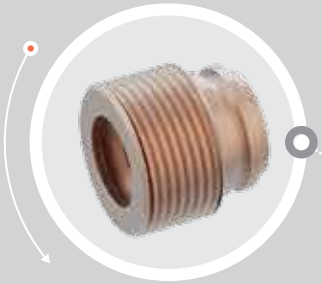
| Ø Çap Ø Diameter | Piston Yüzey Alanı Piston Surface Area | Basınç - Pressure (bar) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | 90 | 120 | 140 | 160 | 180 | 200 | 300 | 500 |
| 25 | 4,90 | 441 | 588 | 686 | 784 | 882 | 980 | 1470 | 2450 |
| 32 | 8,04 | 724 | 965 | 1126 | 1286 | 1447 | 1608 | 2412 | 4020 |
| 40 | 12,56 | 1130 | 1507 | 1758 | 2010 | 2261 | 2512 | 3768 | 6280 |
| 50 | 19,63 | 1767 | 2356 | 2748 | 3141 | 3533 | 3926 | 5889 | 9815 |
| 63 | 31,17 | 2805 | 3740 | 4364 | 4987 | 5611 | 6234 | 9351 | 15585 |
| 80 | 50,26 | 4523 | 6031 | 7036 | 8042 | 9047 | 10052 | 15078 | 25130 |
| 100 | 78,54 | 7069 | 9425 | 10996 | 12566 | 14137 | 15708 | 23562 | 39270 |

## ÇEKME GÜÇ TABLOSU - PULL FORCE TABLE

| Ø Çap Ø Diameter | Piston Yüzey Alanı Piston Surface Area | Basınç - Pressure (bar) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | 90 | 120 | 140 | 160 | 180 | 200 | 300 | 500 |
| 25 | 2,90 | 261 | 348 | 406 | 464 | 522 | 580 | 870 | 1450 |
| 32 | 5,50 | 465 | 660 | 770 | 880 | 990 | 1100 | 1650 | 2750 |
| 40 | 8,76 | 788 | 1051 | 1226 | 1402 | 1577 | 1752 | 2628 | 4380 |
| 50 | 13,48 | 1213 | 1618 | 1887 | 2157 | 2426 | 2696 | 4044 | 6740 |
| 63 | 21 | 1890 | 2520 | 2940 | 3360 | 3780 | 4200 | 6300 | 10500 |
| 80 | 34,36 | 3092 | 4123 | 4810 | 5498 | 6185 | 6872 | 10308 | 17180 |
| 100 | 53,91 | 4852 | 6469 | 7547 | 8626 | 9704 | 10782 | 16173 | 26955 |

# BLOK SİLİNDİR / BLOCK CYLINDER

## GENEL ÖZELLİKLER - GENERAL CHARACTERISTICS

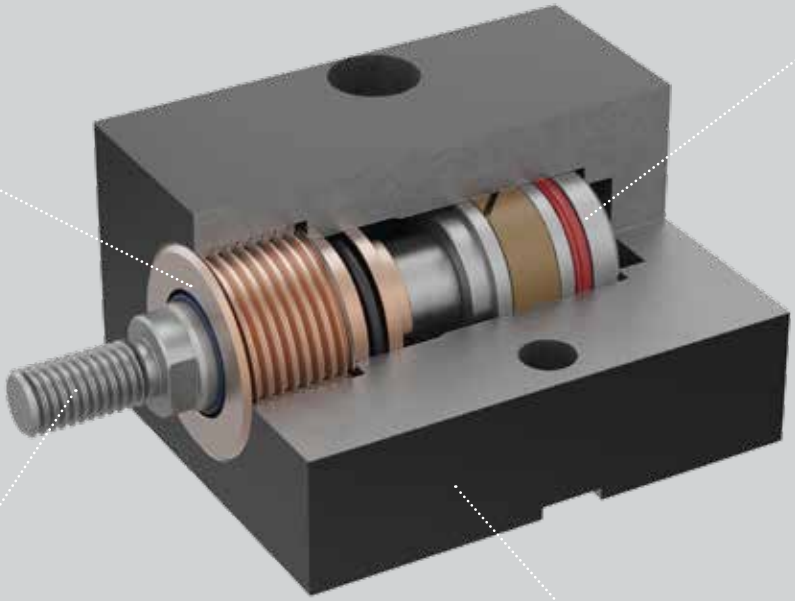


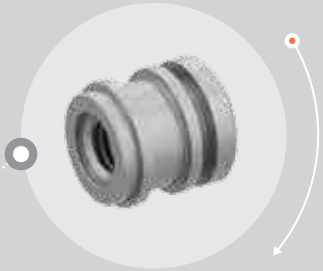
GGG50 Ön kafa malzemesi sayesinde mükemmel yataklama ve basınç dayanımı.

Yüksek kalite sızdırmazlık elemanları Nutring, Toz keçesi ve O-ring NBR, Fkm, Pu ve Silikon olarak tercih edilebilmektedir.

GGG50 Front head material excellent bedding and compressive strength.

High quality sealing elements Nutring, Dust seal and O-ring Nbr, Fkm, Pu and silicon can be preferred.





GGG50 Piston malzemesi sayesinde minimum çalışma yüzeyi hasarı.

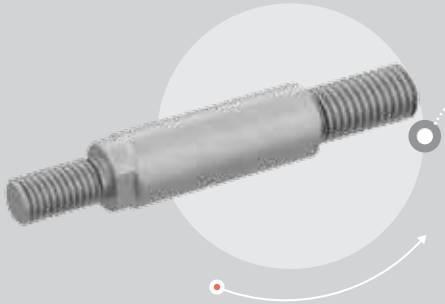
Bronzdestek yataklama.

Yüksek basınç ve darbeli çalışmalara özel üretilmiş Omegad Piston.

NBR, Fkm, Pu ve Silikon olarak tercih edilebilmektedir.

GGG50 Piston specially produced for high pressure and impact works.

Nbr, Fkm, Pu and Silicon can be preferred.

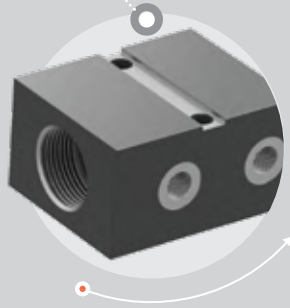


Yüksek kaliteli krom kaplı ve taşlanmış mil.

Uzun ömürlü sürtünme dayanımı.

High quality Chrome plated and ground shaft.

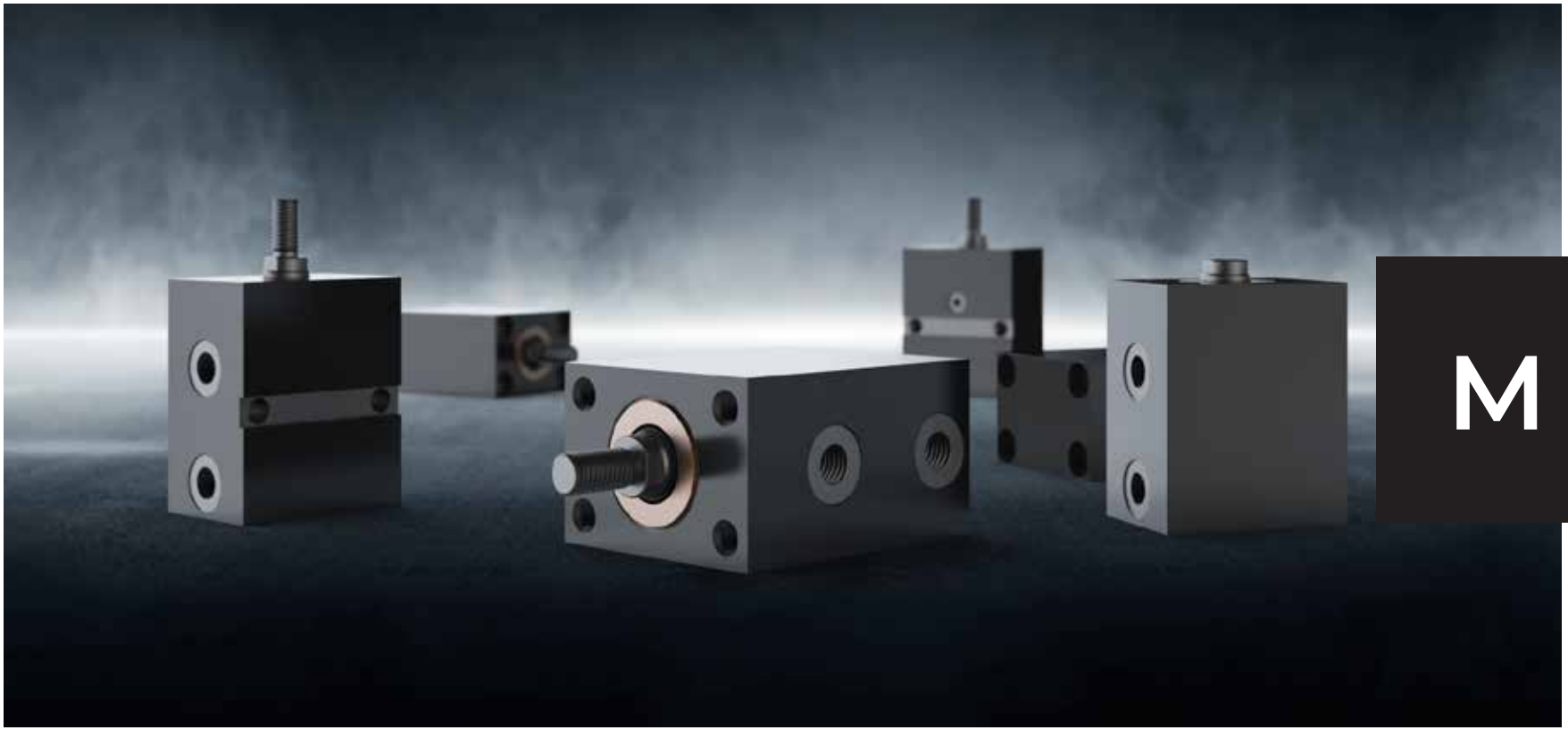
Long-lasting friction resistance.



Yüksek kalite, çatlak kontrol sertifikalı çelik.

High quality , crack control certificate steel.

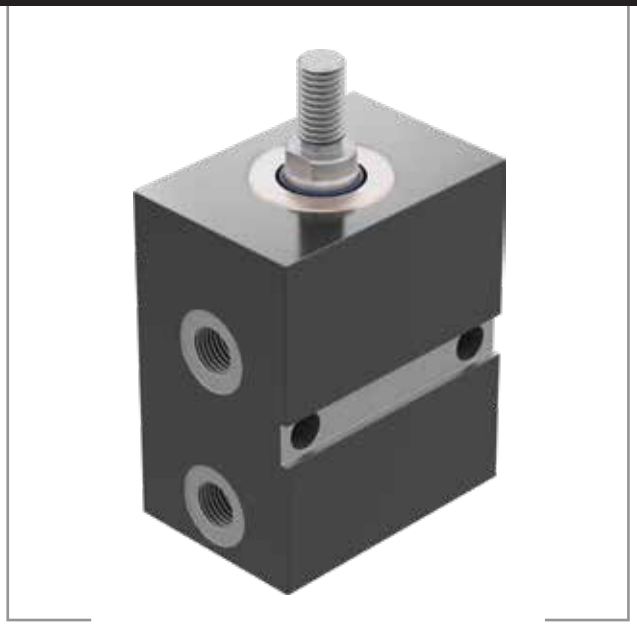
# Blok Silindir / Block Cylinder



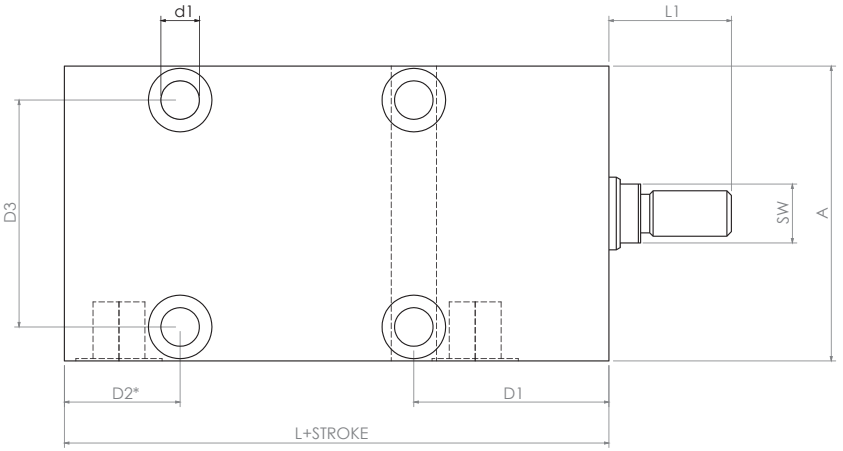
## M SERİSİ SERIAL

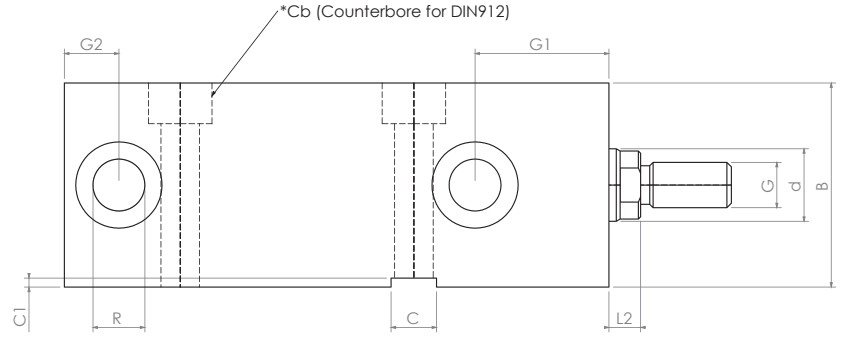
# Blok Silindir / Block Cylinder

M1



D2* is not exist for (0-49) stroke.




**Piston Çapı / Bore :** Ø25 – Ø100

**Mak. Çalışma Basıncı / Max. Working Pressure :** 0 – 500 Bar

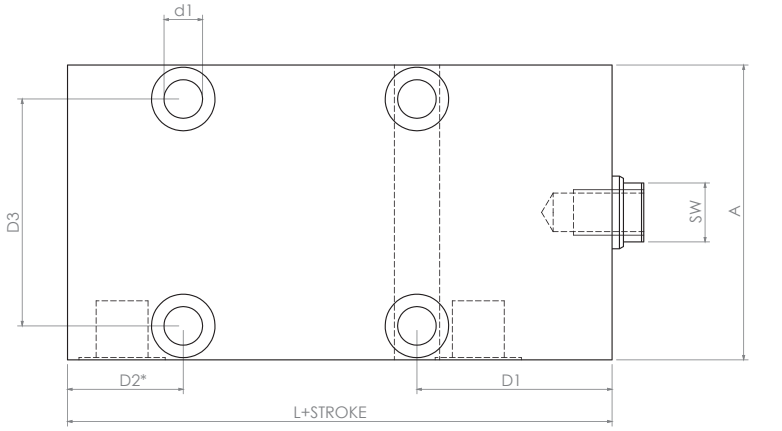
**Sızdırmazlık / Sealing :** Nbr – Pu – Viton

**Stroke (Opsiyon Mevcut / Option Available) :** 10mm – 200 mm

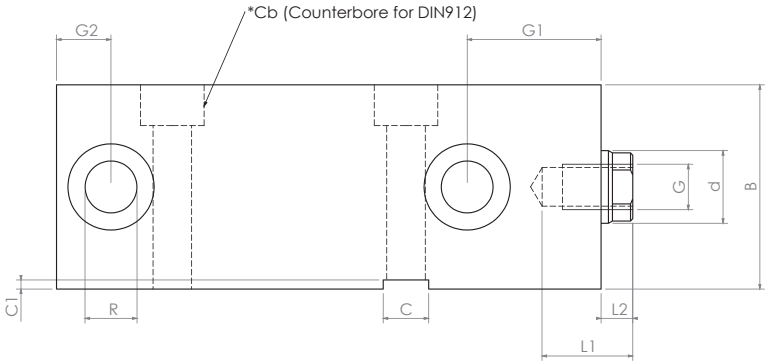
| | Ø Piston / Ø Bore | Ø Mil / Ø Rod | A | B | C | C1 | d | d1 | D1 | D2* | D3 | G | G1 | G2 | L | L1 | L2 | R | SW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M1 | 25 | 16 | 65 | 45 | 10 | 2 | 16 | 8,5 | 43 | 25,5 | 50 | M10x1,5 | 29,5 | 12 | 70 | 27 | 7 | G1/4" | 13 |
| | 32 | 20 | 75 | 55 | 10 | 4 | 20 | 8,5 | 47 | 27 | 60 | M12x1,5 | 34,5 | 12 | 75 | 30 | 10 | G1/4" | 16 |
| | 40 | 25 | 85 | 63 | 12 | 4 | 25 | 10,5 | 49 | 27 | 63 | M12x1,5 | 34,5 | 12 | 85 | 35 | 10 | G1/4" | 21 |
| | 50 | 28 | 100 | 75 | 15 | 5 | 28 | 13 | 58 | 30 | 76 | M16x2 | 39,5 | 12 | 90 | 40 | 10 | G1/4" | 24 |
| | 63 | 36 | 125 | 95 | 20 | 5 | 36 | 17 | 68 | 41 | 95 | M20x2,5 | 45,5 | 19,5 | 110 | 54 | 14 | G3/8" | 32 |
| | 80 | 45 | 160 | 120 | 24 | 7 | 45 | 21 | 78 | 47 | 120 | M27x3 | 45,5 | 19,5 | 120 | 64 | 14 | G1/2" | 40 |
| | 100 | 56 | 200 | 150 | 28 | 7 | 56 | 25 | 88 | 51 | 158 | M36x4 | 52 | 23 | 130 | 75 | 15 | G1/2" | 50 |

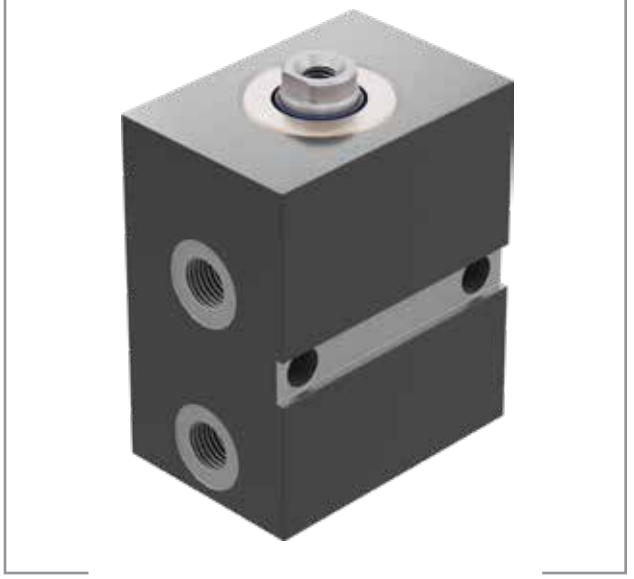
# M2

## Blok Silindir / Block Cylinder




D2* is not exist for (0-49) stroke.



**Piston Çapı / Bore :** Ø25 – Ø100

**Mak. Çalışma Basıncı / Max. Working Pressure :** 0 – 500 Bar

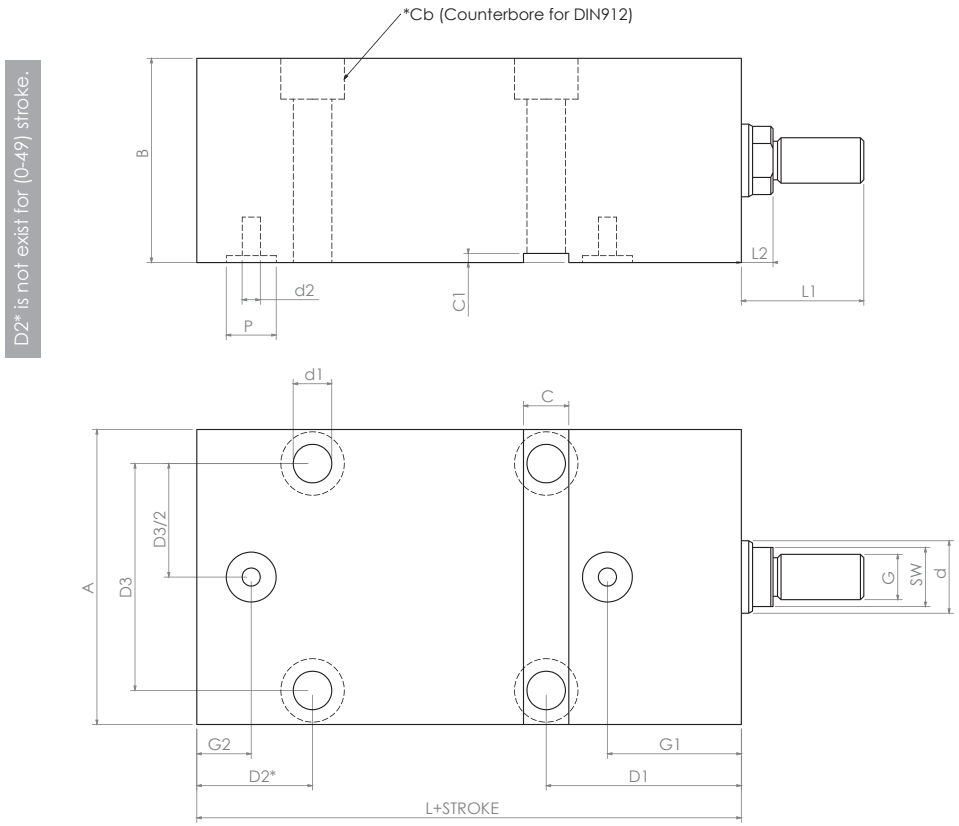
**Sızdırmazlık / Sealing :** Nbr – Pu – Viton

**Stroke (Opsiyon Mevcut / Option Available) :** 10mm – 200 mm

| | Ø Piston / Ø Bore | Ø Mil / Ø Rod | A | B | C | C1 | d | d1 | D1 | D2* | D3 | G | G1 | G2 | L | L1 | L2 | R | SW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M2 | 25 | 16 | 65 | 45 | 10 | 2 | 16 | 8,5 | 43 | 25,5 | 50 | M10x1,5 | 29,5 | 12 | 70 | 25 | 7 | G1/4" | 13 |
| | 32 | 20 | 75 | 55 | 10 | 4 | 20 | 8,5 | 47 | 27 | 60 | M12x1,5 | 34,5 | 12 | 75 | 25 | 10 | G1/4" | 16 |
| | 40 | 25 | 85 | 63 | 12 | 4 | 25 | 10,5 | 49 | 27 | 63 | M12x1,5 | 34,5 | 12 | 85 | 30 | 10 | G1/4" | 21 |
| | 50 | 28 | 100 | 75 | 15 | 5 | 28 | 13 | 58 | 30 | 76 | M16x2 | 39,5 | 12 | 90 | 35 | 10 | G1/4" | 24 |
| | 63 | 36 | 125 | 95 | 20 | 5 | 36 | 17 | 68 | 41 | 95 | M20x2,5 | 45,5 | 19,5 | 110 | 40 | 14 | G3/8" | 32 |
| | 80 | 45 | 160 | 120 | 24 | 7 | 45 | 21 | 78 | 47 | 120 | M27x3 | 45,5 | 19,5 | 120 | 55 | 14 | G1/2" | 40 |
| | 100 | 56 | 200 | 150 | 28 | 7 | 56 | 25 | 88 | 51 | 158 | M36x4 | 52 | 23 | 130 | 55 | 15 | G1/2" | 50 |

# Blok Silindir / Block Cylinder

M3




**Piston Çapı / Bore :** Ø25 – Ø100

**Mak. Çalışma Basıncı / Max. Working Pressure :** 0 – 500 Bar

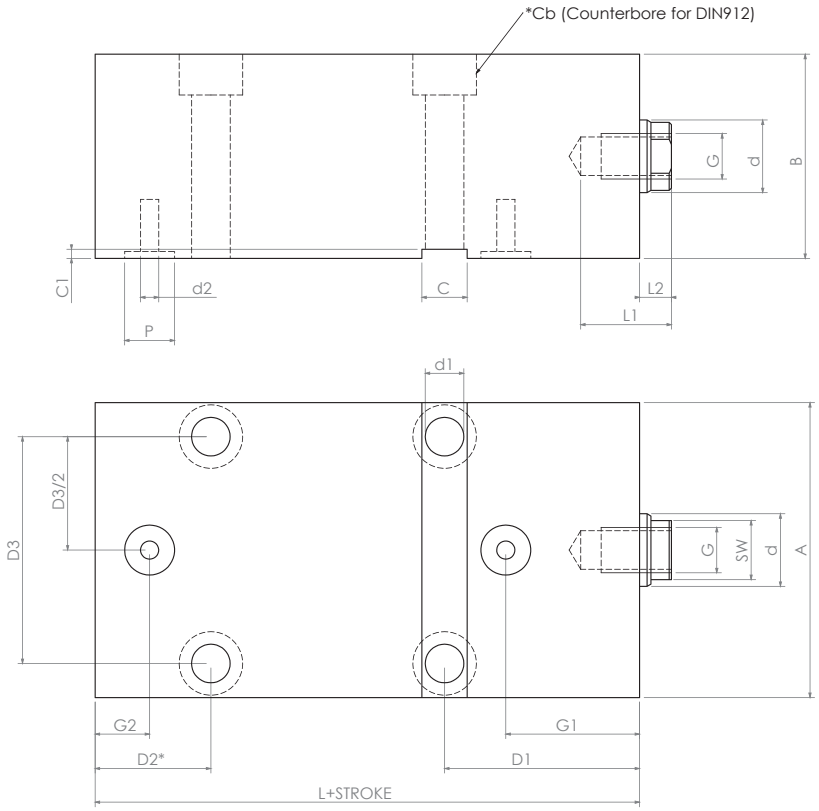
**Sızdırmazlık / Sealing :** Nbr – Pu – Viton

**Stroke (Opsiyon Mevcut / Option Available) :** 10mm – 200 mm

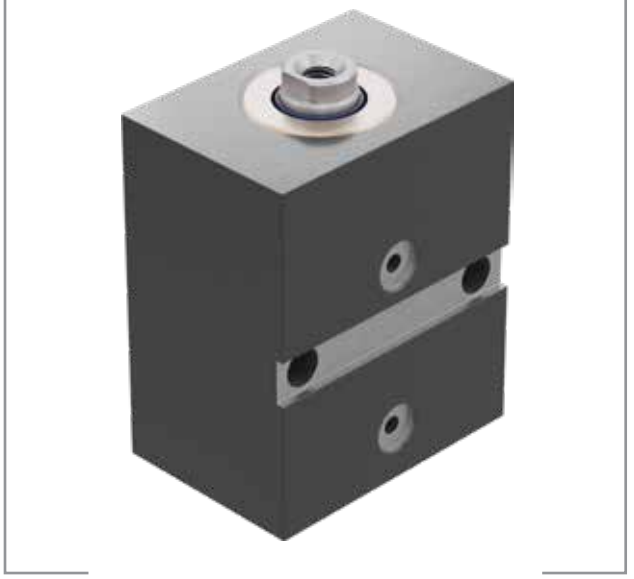
| | Ø Piston / Ø Bore | Ø Mil / Ø Rod | A | B | C | C1 | d | d1 | d2 | P | D1 | D2* | D3 | G | G1 | G2 | L | L1 | L2 | SW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M3 | 25 | 16 | 65 | 45 | 10 | 2 | 16 | 8,5 | 4 | 11 | 43 | 25,5 | 50 | M10x1,5 | 29,5 | 12 | 70 | 27 | 7 | 13 |
| | 32 | 20 | 75 | 55 | 10 | 4 | 20 | 8,5 | 4 | 11 | 47 | 27 | 60 | M12x1,5 | 34,5 | 12 | 75 | 30 | 10 | 16 |
| | 40 | 25 | 85 | 63 | 12 | 4 | 25 | 10,5 | 4 | 11 | 49 | 27 | 63 | M12x1,5 | 34,5 | 12 | 85 | 35 | 10 | 21 |
| | 50 | 28 | 100 | 75 | 15 | 5 | 28 | 13 | 5 | 14 | 58 | 30 | 76 | M16x2 | 39,5 | 12 | 90 | 40 | 10 | 24 |
| | 63 | 36 | 125 | 95 | 20 | 5 | 36 | 17 | 6 | 16 | 68 | 41 | 95 | M20x2,5 | 45,5 | 19,5 | 110 | 54 | 14 | 32 |
| | 80 | 45 | 160 | 120 | 24 | 7 | 45 | 21 | 7 | 20 | 78 | 47 | 120 | M27x3 | 45,5 | 19,5 | 120 | 64 | 14 | 40 |
| | 100 | 56 | 200 | 150 | 28 | 7 | 56 | 25 | 8 | 20 | 88 | 51 | 158 | M36x4 | 52 | 23 | 130 | 75 | 15 | 50 |

# M4

## Blok Silindir / Block Cylinder




D2* is not exist for (0-49) stroke.



**Piston Çapı / Bore :** Ø25 – Ø100

**Mak. Çalışma Basıncı / Max. Working Pressure :** 0 – 500 Bar

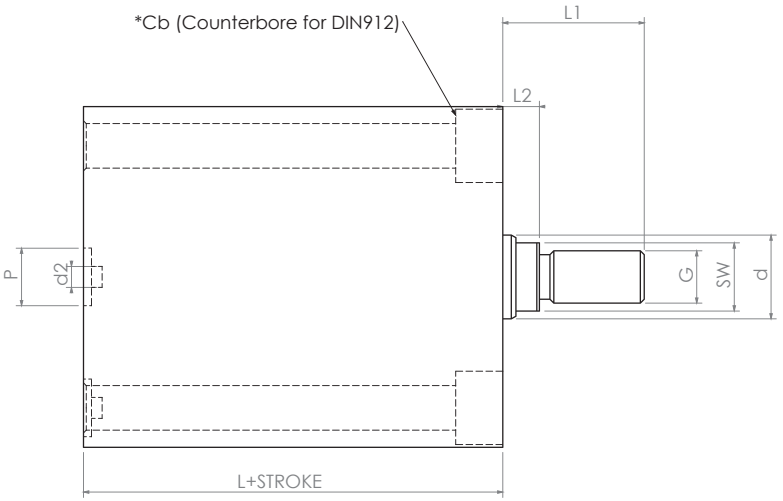
**Sızdırmazlık / Sealing :** Nbr – Pu – Viton

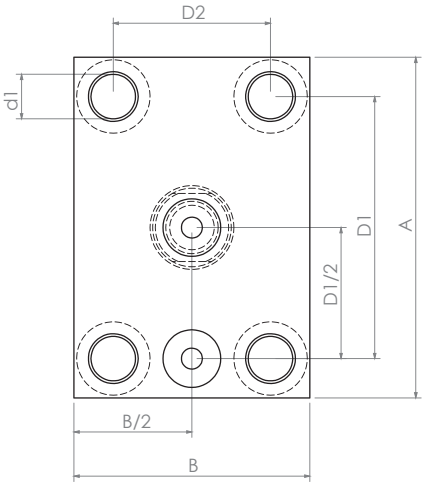
**Stroke (Opsiyon Mevcut / Option Available) :** 10mm – 200 mm

| | Ø Piston / Ø Bore | Ø Mil / Ø Rod | A | B | C | C1 | d | d1 | d2 | P | D1 | D2* | D3 | G | G1 | G2 | L | L1 | L2 | SW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M4 | 25 | 16 | 65 | 45 | 10 | 2 | 16 | 8,5 | 4 | 11 | 43 | 25,5 | 50 | M10x1,5 | 29,5 | 12 | 70 | 25 | 7 | 13 |
| | 32 | 20 | 75 | 55 | 10 | 4 | 20 | 8,5 | 4 | 11 | 47 | 27 | 60 | M12x1,5 | 34,5 | 12 | 75 | 25 | 10 | 16 |
| | 40 | 25 | 85 | 63 | 12 | 4 | 25 | 10,5 | 4 | 11 | 49 | 27 | 63 | M12x1,5 | 34,5 | 12 | 85 | 30 | 10 | 21 |
| | 50 | 28 | 100 | 75 | 15 | 5 | 28 | 13 | 5 | 14 | 58 | 30 | 76 | M16x2 | 39,5 | 12 | 90 | 35 | 10 | 24 |
| | 63 | 36 | 125 | 95 | 20 | 5 | 36 | 17 | 6 | 16 | 68 | 41 | 95 | M20x2,5 | 45,5 | 19,5 | 110 | 40 | 14 | 32 |
| | 80 | 45 | 160 | 120 | 24 | 7 | 45 | 21 | 7 | 20 | 78 | 47 | 120 | M27x3 | 45,5 | 19,5 | 120 | 55 | 14 | 40 |
| | 100 | 56 | 200 | 150 | 28 | 7 | 56 | 25 | 8 | 20 | 88 | 51 | 158 | M36x4 | 52 | 23 | 130 | 55 | 15 | 50 |

# Blok Silindir / Block Cylinder

# M5




**Piston Çapı / Bore :** Ø25 – Ø100

**Mak. Çalışma Basıncı / Max. Working Pressure :** 0 – 500 Bar

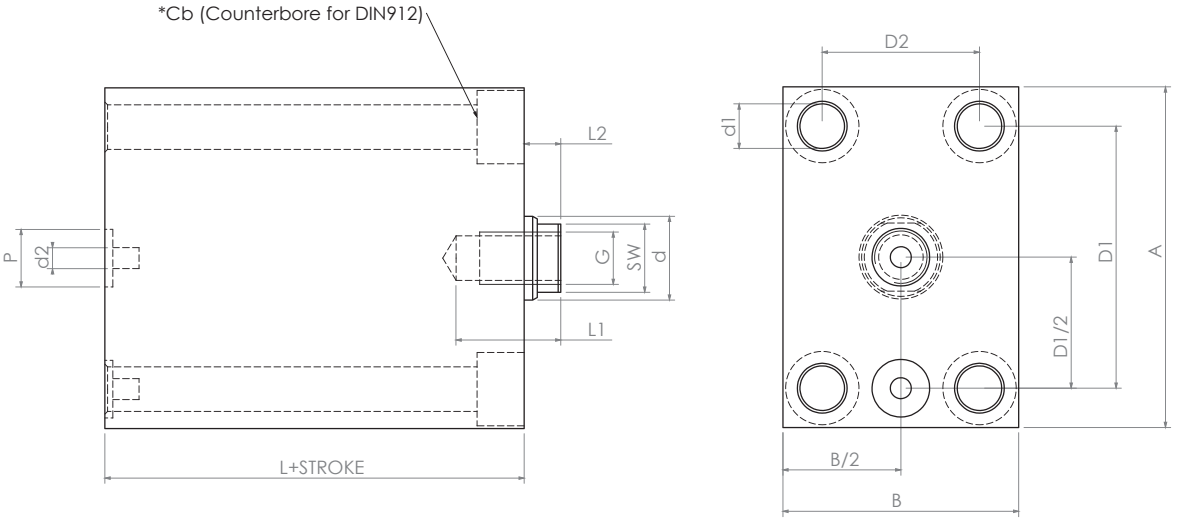
**Sızdırmazlık / Sealing :** Nbr – Pu – Viton

**Stroke (Opsiyon Mevcut / Option Available) :** 10mm – 200 mm

| | Ø Piston / Ø Bore | Ø Mil / Ø Rod | A | B | d | d1 | d2 | P | D1 | D2 | G | L | L1 | L2 | SW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M5 | 25 | 16 | 65 | 45 | 16 | 8,5 | 4 | 11 | 50 | 30 | M10x1,5 | 70 | 27 | 7 | 13 |
| | 32 | 20 | 75 | 55 | 20 | 10,5 | 4 | 11 | 55 | 35 | M12x1,5 | 75 | 30 | 10 | 16 |
| | 40 | 25 | 85 | 63 | 25 | 10,5 | 4 | 11 | 63 | 40 | M12x1,5 | 85 | 35 | 10 | 21 |
| | 50 | 28 | 100 | 75 | 28 | 13 | 5 | 14 | 76 | 45 | M16x2 | 90 | 40 | 10 | 24 |
| | 63 | 36 | 125 | 95 | 36 | 17 | 6 | 16 | 95 | 65 | M20x2,5 | 110 | 54 | 14 | 32 |
| | 80 | 45 | 160 | 120 | 45 | 21 | 7 | 20 | 120 | 80 | M27x3 | 120 | 64 | 14 | 40 |
| | 100 | 56 | 200 | 150 | 56 | 25 | 8 | 20 | 158 | 108 | M36x4 | 130 | 75 | 15 | 50 |

# M6

## Blok Silindir / Block Cylinder



**Piston Çapı / Bore :** Ø25 – Ø100

**Mak. Çalışma Basıncı / Max. Working Pressure :** 0 – 500 Bar

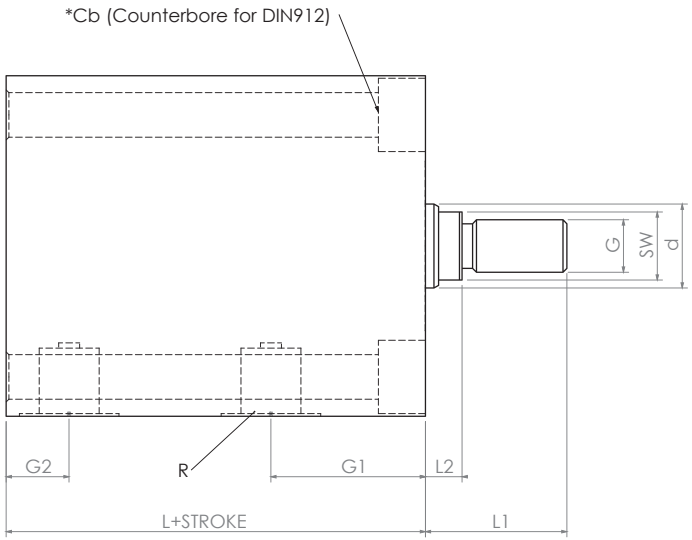
**Sızdırmazlık / Sealing :** Nbr – Pu – Viton

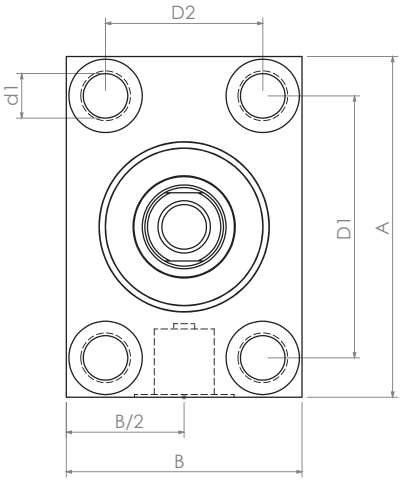
**Stroke (Opsiyon Mevcut / Option Available) :** 10mm – 200 mm

| | Ø Piston / Ø Bore | Ø Mil / Ø Rod | A | B | d | d1 | d2 | P | D1 | D2 | G | L | L1 | L2 | SW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M6 | 25 | 16 | 65 | 45 | 16 | 8,5 | 4 | 11 | 50 | 30 | M10x1,5 | 70 | 20 | 7 | 13 |
| | 32 | 20 | 75 | 55 | 20 | 10,5 | 4 | 11 | 55 | 35 | M12x1,5 | 75 | 25 | 10 | 16 |
| | 40 | 25 | 85 | 63 | 25 | 10,5 | 4 | 11 | 63 | 40 | M12x1,5 | 85 | 30 | 10 | 21 |
| | 50 | 28 | 100 | 75 | 28 | 13 | 5 | 14 | 76 | 45 | M16x2 | 90 | 35 | 10 | 24 |
| | 63 | 36 | 125 | 95 | 36 | 17 | 6 | 16 | 95 | 65 | M20x2,5 | 110 | 40 | 14 | 32 |
| | 80 | 45 | 160 | 120 | 45 | 21 | 7 | 20 | 120 | 80 | M27x3 | 120 | 55 | 14 | 40 |
| | 100 | 56 | 200 | 150 | 56 | 25 | 8 | 20 | 158 | 108 | M36x4 | 130 | 55 | 15 | 50 |

# Blok Silindir / Block Cylinder

# M7




**Piston Çapı / Bore :** Ø25 – Ø100

**Mak. Çalışma Basıncı / Max. Working Pressure :** 0 – 500 Bar

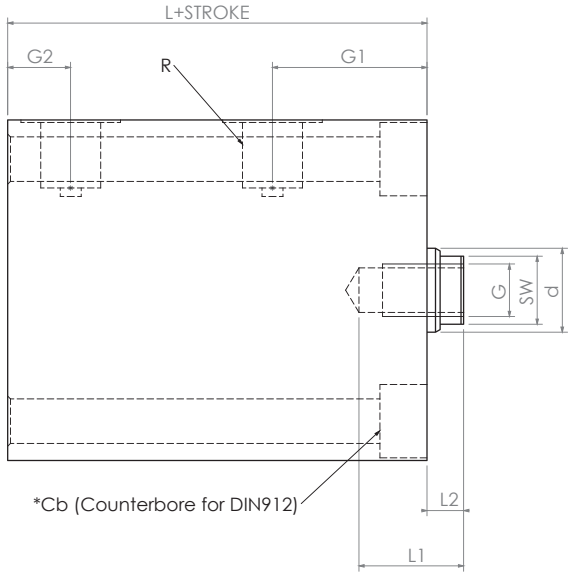
**Sızdırmazlık / Sealing :** Nbr – Pu – Viton

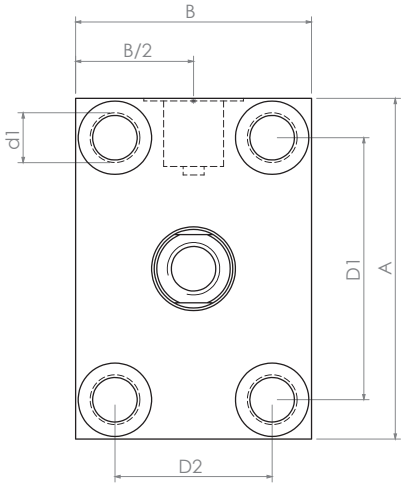
**Stroke (Opsiyon Mevcut / Option Available) :** 10mm – 200 mm

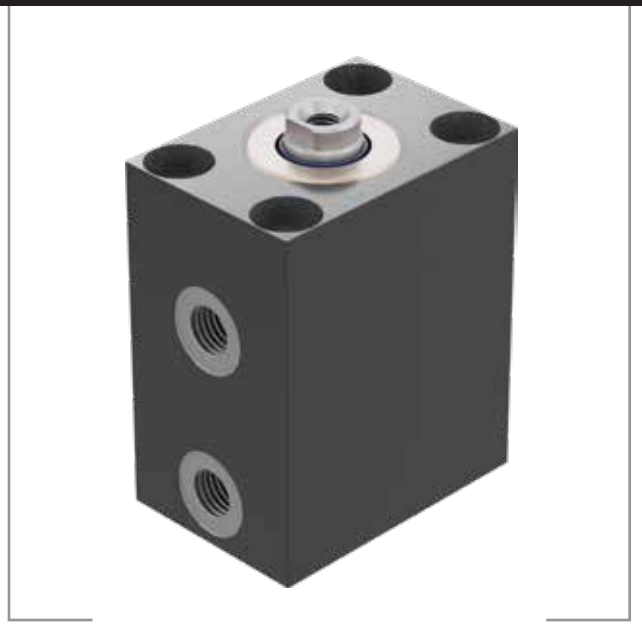
| | Ø Piston / Ø Bore | Ø Mil / Ø Rod | A | B | d | d1 | D1 | D2 | G | G1 | G2 | L | L1 | L2 | R | SW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M7 | 25 | 16 | 65 | 45 | 16 | 8,5 | 50 | 30 | M10x1,5 | 29,5 | 12 | 70 | 27 | 7 | G1/4" | 13 |
| | 32 | 20 | 75 | 55 | 20 | 10,5 | 55 | 35 | M12x1,5 | 34,5 | 12 | 75 | 30 | 10 | G1/4" | 16 |
| | 40 | 25 | 85 | 63 | 25 | 10,5 | 63 | 40 | M12x1,5 | 34,5 | 12 | 85 | 35 | 10 | G1/4" | 21 |
| | 50 | 28 | 100 | 75 | 28 | 13 | 76 | 45 | M16x2 | 39,5 | 12 | 90 | 40 | 10 | G1/4" | 24 |
| | 63 | 36 | 125 | 95 | 36 | 17 | 95 | 65 | M20x2,5 | 45,5 | 19,5 | 110 | 54 | 14 | G3/8" | 32 |
| | 80 | 45 | 160 | 120 | 45 | 21 | 120 | 80 | M27x3 | 45,5 | 19,5 | 120 | 64 | 14 | G1/2" | 40 |
| | 100 | 56 | 200 | 150 | 56 | 25 | 158 | 108 | M36x4 | 52 | 23 | 130 | 75 | 15 | G1/2" | 50 |

# M8

## Blok Silindir / Block Cylinder



**Piston Çapı / Bore :** Ø25 – Ø100

**Mak. Çalışma Basıncı / Max. Working Pressure :** 0 – 500 Bar

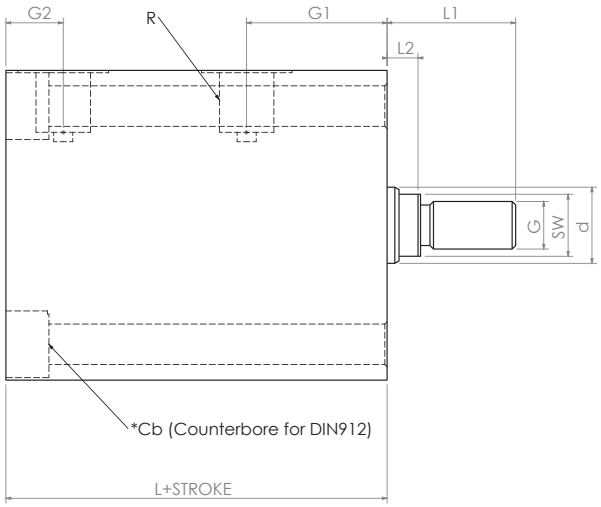
**Sızdırmazlık / Sealing :** Nbr – Pu – Viton

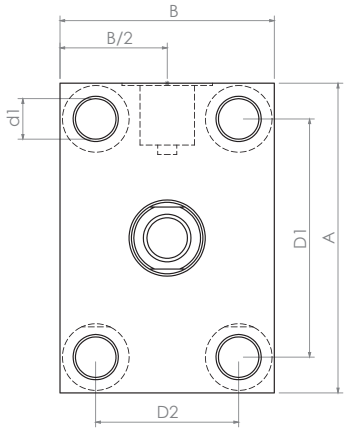
**Stroke (Opsiyon Mevcut / Option Available) :** 10mm – 200 mm

| | Ø Piston / Ø Bore | Ø Mil / Ø Rod | A | B | d | d1 | D1 | D2 | G | G1 | G2 | L | L1 | L2 | R | SW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M8 | 25 | 16 | 65 | 45 | 16 | 8,5 | 50 | 30 | M10x1,5 | 29,5 | 12 | 70 | 20 | 7 | G1/4" | 13 |
| | 32 | 20 | 75 | 55 | 20 | 10,5 | 55 | 35 | M12x1,5 | 34,5 | 12 | 75 | 25 | 10 | G1/4" | 16 |
| | 40 | 25 | 85 | 63 | 25 | 10,5 | 63 | 40 | M12x1,5 | 34,5 | 12 | 85 | 25 | 10 | G1/4" | 21 |
| | 50 | 28 | 100 | 75 | 28 | 13 | 76 | 45 | M16x2 | 39,5 | 12 | 90 | 35 | 10 | G1/4" | 24 |
| | 63 | 36 | 125 | 95 | 36 | 17 | 95 | 65 | M20x2,5 | 45,5 | 19,5 | 110 | 40 | 14 | G3/8" | 32 |
| | 80 | 45 | 160 | 120 | 45 | 21 | 120 | 80 | M27x3 | 45,5 | 19,5 | 120 | 55 | 14 | G1/2" | 40 |
| | 100 | 56 | 200 | 150 | 56 | 25 | 158 | 108 | M36x4 | 52 | 23 | 130 | 55 | 15 | G1/2" | 50 |

# Blok Silindir / Block Cylinder

M9




**Piston Çapı / Bore :** Ø25 – Ø100

**Mak. Çalışma Basıncı / Max. Working Pressure :** 0 – 500 Bar

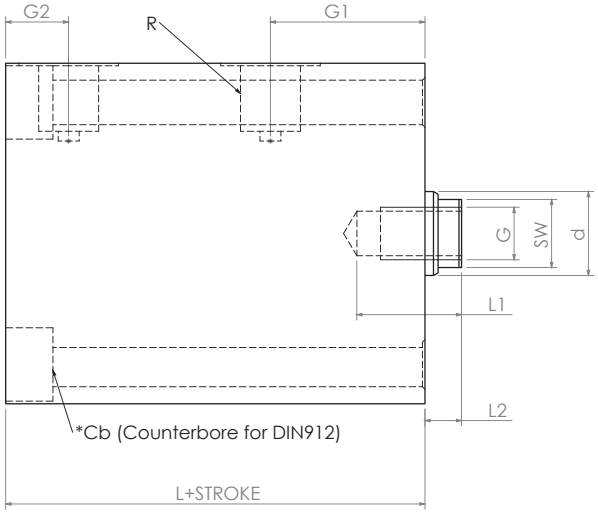
**Sızdırmazlık / Sealing :** Nbr – Pu – Viton

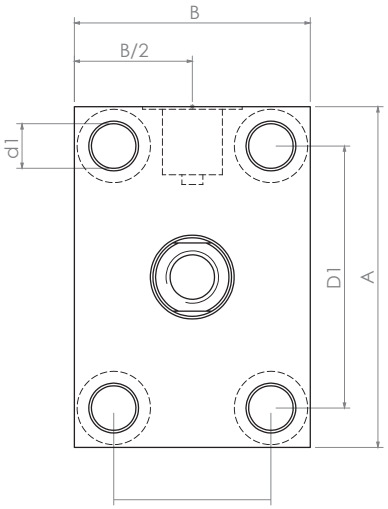
**Stroke (Opsiyon Mevcut / Option Available) :** 10mm – 200 mm

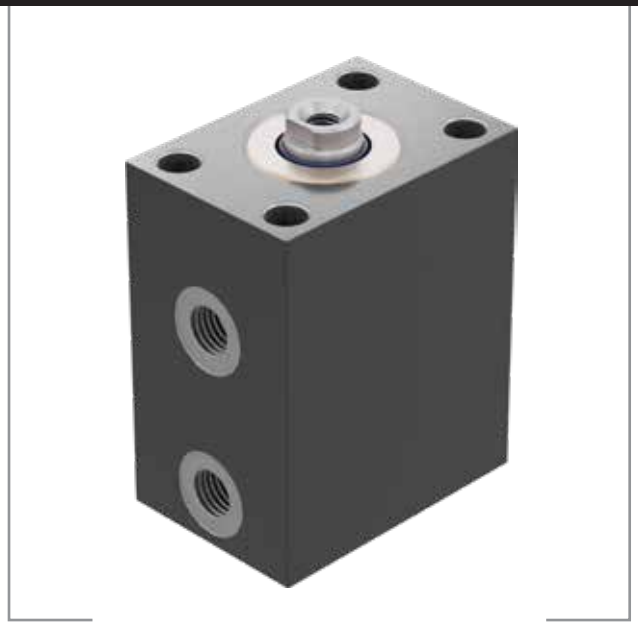
| | Ø Piston / Ø Bore | Ø Mil / Ø Rod | A | B | d | d1 | D1 | D2 | G | G1 | G2 | L | L1 | L2 | R | SW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M9 | 25 | 16 | 65 | 45 | 16 | 8,5 | 50 | 30 | M10x1,5 | 29,5 | 12 | 70 | 27 | 7 | G1/4" | 13 |
| | 32 | 20 | 75 | 55 | 20 | 10,5 | 55 | 35 | M12x1,5 | 34,5 | 12 | 75 | 30 | 10 | G1/4" | 16 |
| | 40 | 25 | 85 | 63 | 25 | 10,5 | 63 | 40 | M12x1,5 | 34,5 | 12 | 85 | 35 | 10 | G1/4" | 21 |
| | 50 | 28 | 100 | 75 | 28 | 13 | 76 | 45 | M16x2 | 39,5 | 12 | 90 | 40 | 10 | G1/4" | 24 |
| | 63 | 36 | 125 | 95 | 36 | 17 | 95 | 65 | M20x2,5 | 45,5 | 19,5 | 110 | 54 | 14 | G3/8" | 32 |
| | 80 | 45 | 160 | 120 | 45 | 21 | 120 | 80 | M27x3 | 45,5 | 19,5 | 120 | 64 | 14 | G1/2" | 40 |
| | 100 | 56 | 200 | 150 | 56 | 25 | 158 | 108 | M36x4 | 52 | 23 | 130 | 75 | 15 | G1/2" | 50 |

# M10

## Blok Silindir / Block Cylinder



**Piston Çapı / Bore :** Ø25 – Ø100

**Mak. Çalışma Basıncı / Max. Working Pressure :** 0 – 500 Bar

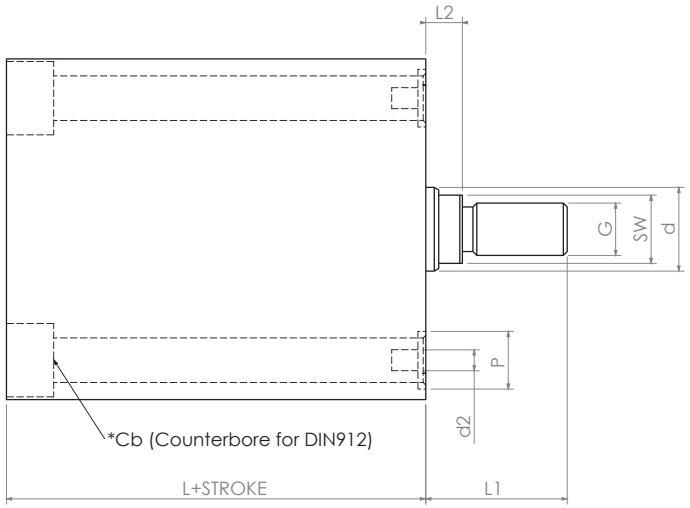
**Sızdırmazlık / Sealing :** Nbr – Pu – Viton

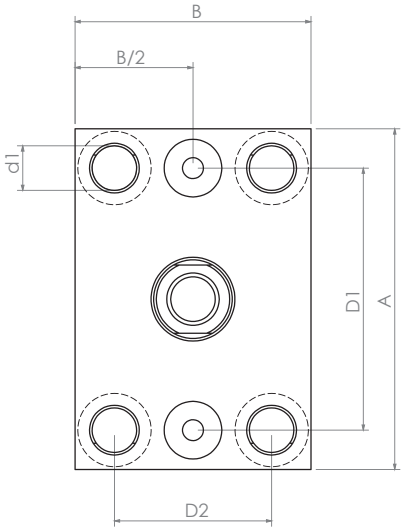
**Stroke (Opsiyon Mevcut / Option Available) :** 10mm – 200 mm

| | Ø Piston / Ø Bore | Ø Mil / Ø Rod | A | B | d | d1 | D1 | D2 | G | G1 | G2 | L | L1 | L2 | R | SW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M10 | 25 | 16 | 65 | 45 | 16 | 8,5 | 50 | 30 | M10x1,5 | 29,5 | 12 | 70 | 20 | 7 | G1/4" | 13 |
| | 32 | 20 | 75 | 55 | 20 | 10,5 | 55 | 35 | M12x1,5 | 34,5 | 12 | 75 | 25 | 10 | G1/4" | 16 |
| | 40 | 25 | 85 | 63 | 25 | 10,5 | 63 | 40 | M12x1,5 | 34,5 | 12 | 85 | 30 | 10 | G1/4" | 21 |
| | 50 | 28 | 100 | 75 | 28 | 13 | 76 | 45 | M16x2 | 39,5 | 12 | 90 | 35 | 10 | G1/4" | 24 |
| | 63 | 36 | 125 | 95 | 36 | 17 | 95 | 65 | M20x2,5 | 45,5 | 19,5 | 110 | 40 | 14 | G3/8" | 32 |
| | 80 | 45 | 160 | 120 | 45 | 17 | 120 | 80 | M27x3 | 45,5 | 19,5 | 120 | 55 | 14 | G1/2" | 40 |
| | 100 | 56 | 200 | 150 | 56 | 25 | 158 | 108 | M36x4 | 52 | 23 | 130 | 55 | 15 | G1/2" | 50 |

# Blok Silindir / Block Cylinder

# M11




**Piston Çapı / Bore :** Ø25 – Ø100

**Mak. Çalışma Basıncı / Max. Working Pressure :** 0 – 500 Bar

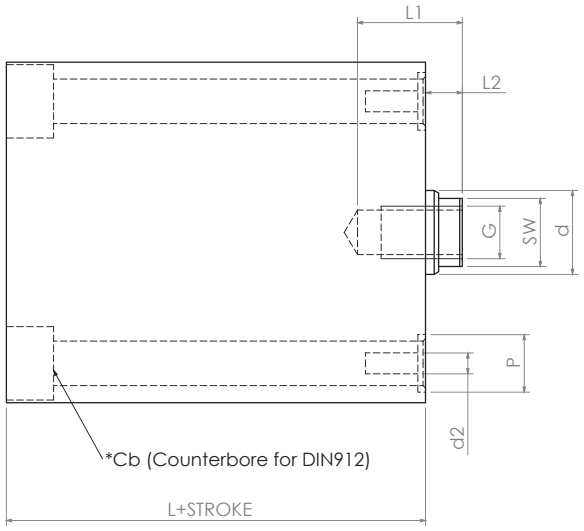
**Sızdırmazlık / Sealing :** Nbr – Pu – Viton

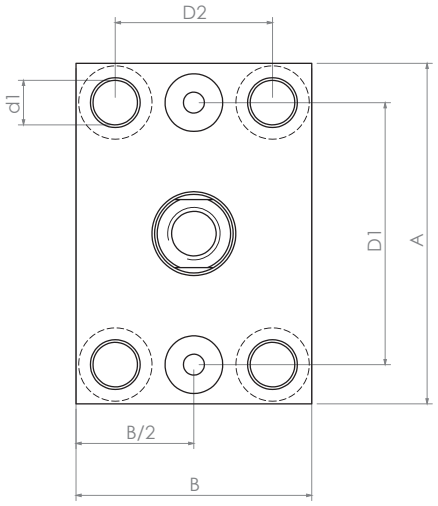
**Stroke (Opsiyon Mevcut / Option Available) :** 10mm – 200 mm

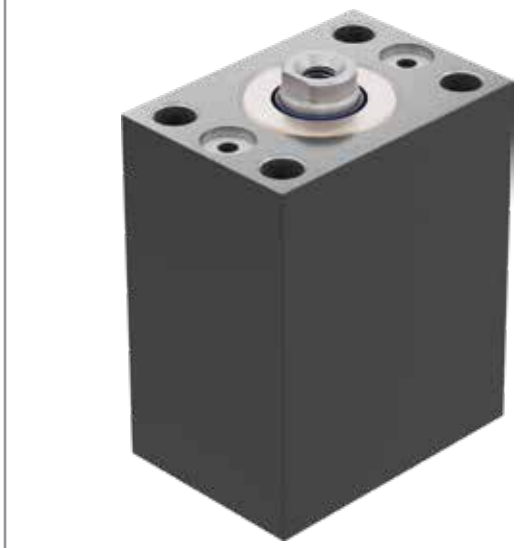
| | Ø Piston / Ø Bore | Ø Mil / Ø Rod | A | B | d | d1 | d2 | P | D1 | D2 | G2 | L | L1 | L2 | SW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M11 | 25 | 16 | 65 | 45 | 16 | 8,5 | 4 | 11 | 50 | 30 | 12 | 70 | 27 | 7 | 13 |
| | 32 | 20 | 75 | 55 | 20 | 10,5 | 4 | 11 | 55 | 35 | 12 | 75 | 30 | 10 | 16 |
| | 40 | 25 | 85 | 63 | 25 | 10,5 | 4 | 11 | 63 | 40 | 12 | 85 | 35 | 10 | 21 |
| | 50 | 28 | 100 | 75 | 28 | 13 | 5 | 14 | 76 | 45 | 12 | 90 | 40 | 10 | 24 |
| | 63 | 36 | 125 | 95 | 36 | 17 | 6 | 16 | 95 | 65 | 19,5 | 110 | 54 | 14 | 32 |
| | 80 | 45 | 160 | 120 | 45 | 21 | 7 | 20 | 120 | 80 | 19,5 | 120 | 64 | 14 | 40 |
| | 100 | 56 | 200 | 150 | 56 | 21 | 8 | 20 | 158 | 108 | 23 | 130 | 75 | 15 | 50 |

# M12

## Blok Silindir / Block Cylinder



**Piston Çapı / Bore :** Ø25 – Ø100

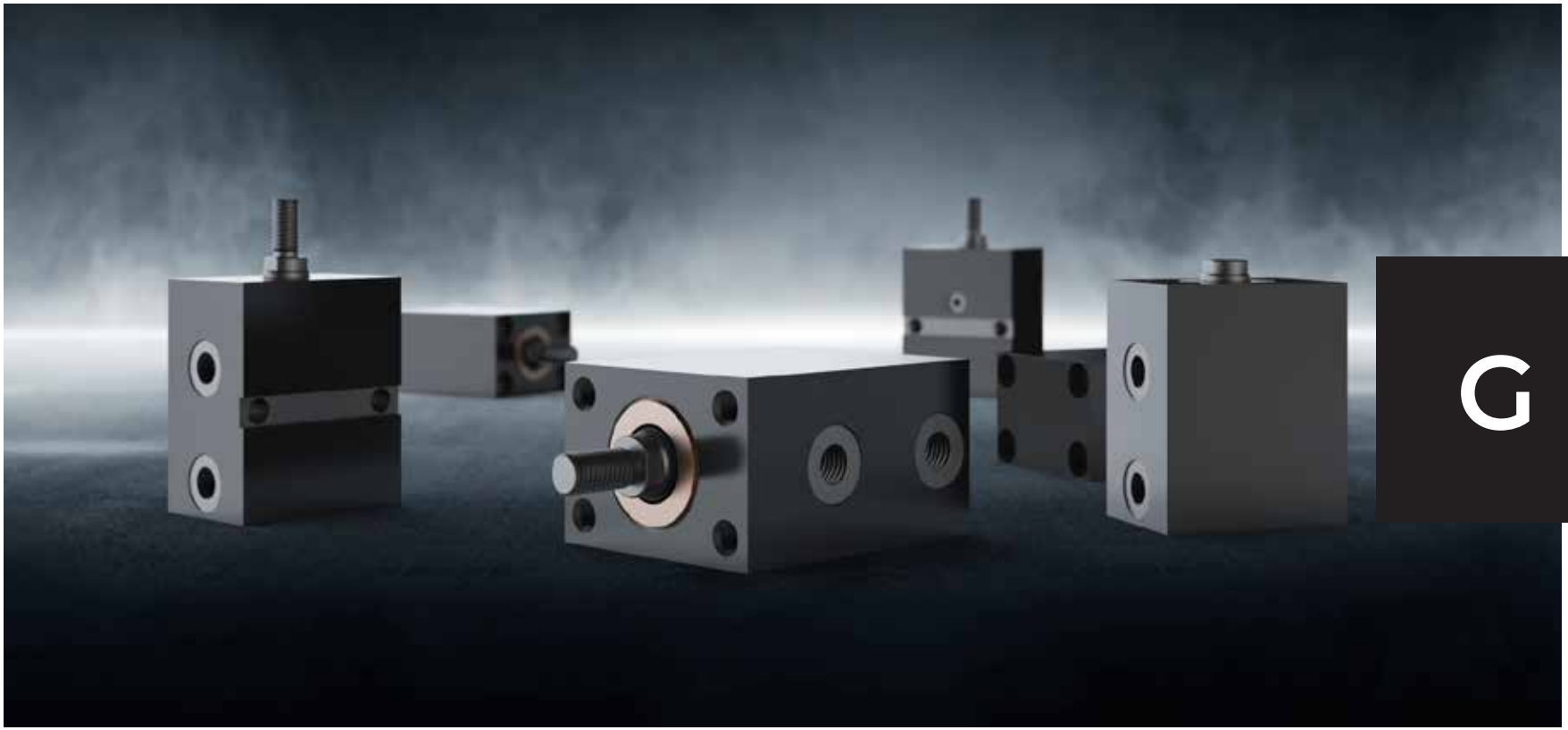
**Mak. Çalışma Basıncı / Max. Working Pressure :** 0 – 500 Bar

**Sızdırmazlık / Sealing :** Nbr – Pu – Viton

**Stroke (Opsiyon Mevcut / Option Available) :** 10mm – 200 mm

| | Ø Piston / Ø Bore | Ø Mil / Ø Rod | A | B | d | d1 | d2 | P | D1 | D2 | G2 | L | L1 | L2 | SW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M12 | 25 | 16 | 65 | 45 | 16 | 8,5 | 4 | 11 | 50 | 30 | 12 | 70 | 20 | 7 | 13 |
| | 32 | 20 | 75 | 55 | 20 | 10,5 | 4 | 11 | 55 | 35 | 12 | 75 | 25 | 10 | 16 |
| | 40 | 25 | 85 | 63 | 25 | 10,5 | 4 | 11 | 63 | 40 | 12 | 85 | 30 | 10 | 21 |
| | 50 | 28 | 100 | 75 | 28 | 13 | 5 | 14 | 76 | 45 | 12 | 90 | 35 | 10 | 24 |
| | 63 | 36 | 125 | 95 | 36 | 17 | 6 | 16 | 95 | 65 | 19,5 | 110 | 40 | 14 | 32 |
| | 80 | 45 | 160 | 120 | 45 | 21 | 7 | 20 | 120 | 80 | 19,5 | 120 | 55 | 14 | 40 |
| | 100 | 56 | 200 | 150 | 56 | 25 | 8 | 20 | 158 | 108 | 23 | 130 | 55 | 15 | 50 |

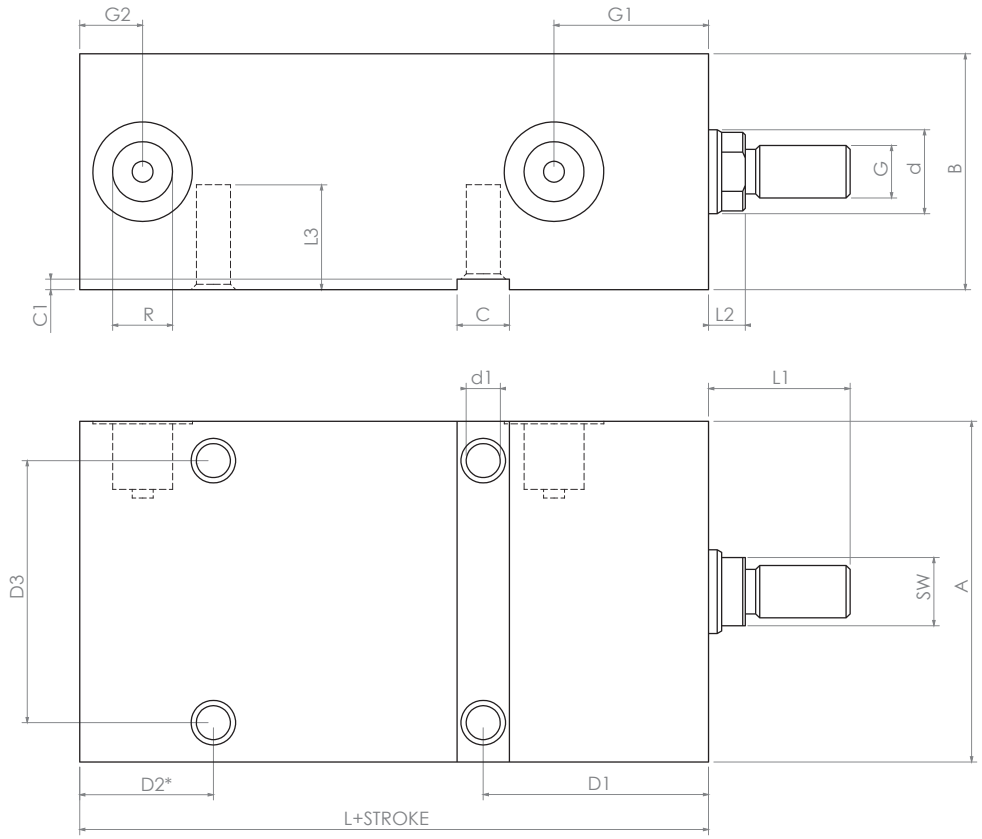
# Blok Silindir / Block Cylinder



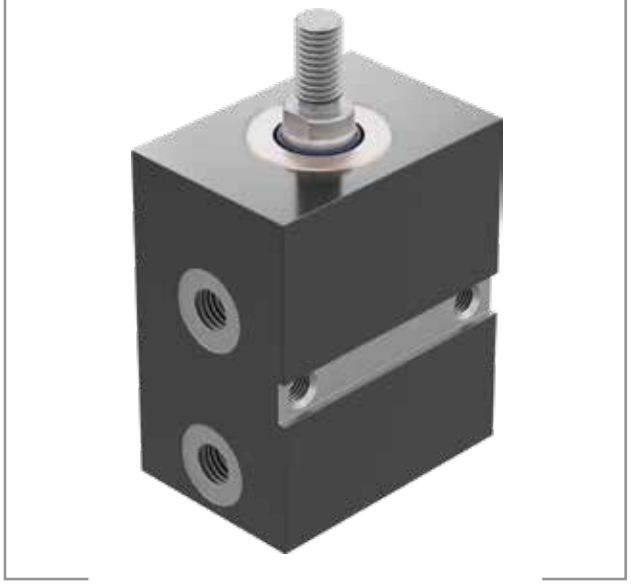
## G SERİSİ
## SERIAL

# M1G

## Blok Silindir / Block Cylinder




D2* is not exist for (0-49) stroke.



**Piston Çapı / Bore :** Ø25 – Ø100

**Mak. Çalışma Basıncı / Max. Working Pressure :** 0 – 500 Bar

**Sızdırmazlık / Sealing :** Nbr – Pu – Viton

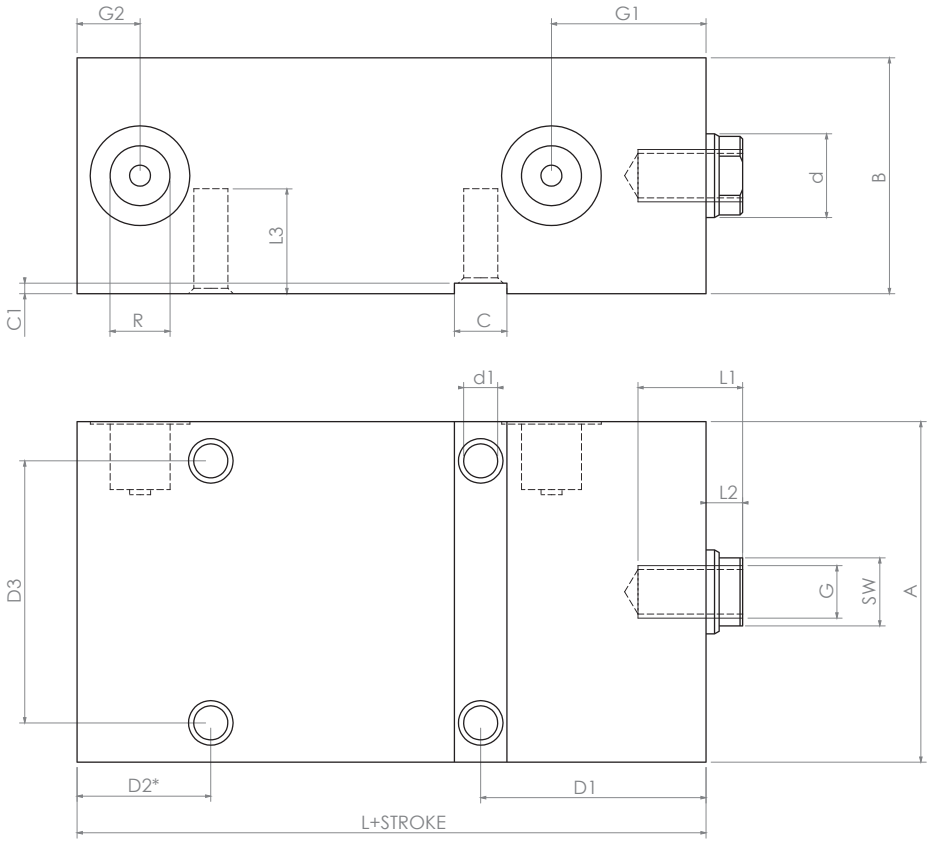
**Stroke (Opsiyon Mevcut / Option Available) :** 10mm – 200 mm

| | Ø Piston / Ø Bore | Ø Mil / Ø Rod | A | B | C | C1 | d | d1 | D1 | D2* | D3 | G | G1 | G2 | L | L1 | L2 | R | SW | L3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M1G | 25 | 16 | 65 | 45 | 10 | 2 | 16 | M8x1,5 | 43 | 25,5 | 50 | M10x1,5 | 29,5 | 12 | 70 | 27 | 7 | G1/4" | 13 | 20 |
| | 32 | 20 | 75 | 55 | 10 | 4 | 20 | M8x1,5 | 47 | 27 | 60 | M12x1,5 | 34,5 | 12 | 75 | 30 | 10 | G1/4" | 16 | 20 |
| | 40 | 25 | 85 | 63 | 12 | 4 | 25 | M10x1,5 | 49 | 27 | 63 | M12x1,5 | 34,5 | 12 | 85 | 35 | 10 | G1/4" | 21 | 25 |
| | 50 | 28 | 100 | 75 | 15 | 5 | 28 | M12x1,5 | 58 | 30 | 76 | M16x2 | 39,5 | 12 | 90 | 40 | 10 | G1/4" | 24 | 30 |
| | 63 | 36 | 125 | 95 | 20 | 5 | 36 | M16x2 | 68 | 41 | 95 | M20x2,5 | 45,5 | 19,5 | 110 | 54 | 14 | G3/8" | 32 | 40 |
| | 80 | 45 | 160 | 120 | 24 | 7 | 45 | M20x2,5 | 78 | 47 | 120 | M27x3 | 45,5 | 19,5 | 120 | 64 | 14 | G1/2" | 40 | 47 |
| | 100 | 56 | 200 | 150 | 28 | 7 | 56 | M24x3 | 88 | 51 | 158 | M36x4 | 52 | 23 | 130 | 75 | 15 | G1/2" | 50 | 62 |

# Blok Silindir / Block Cylinder

# M2G

D2* is not exist for (0-49) stroke.




**Piston Çapı / Bore :** Ø25 – Ø100

**Mak. Çalışma Basıncı / Max. Working Pressure :** 0 – 500 Bar

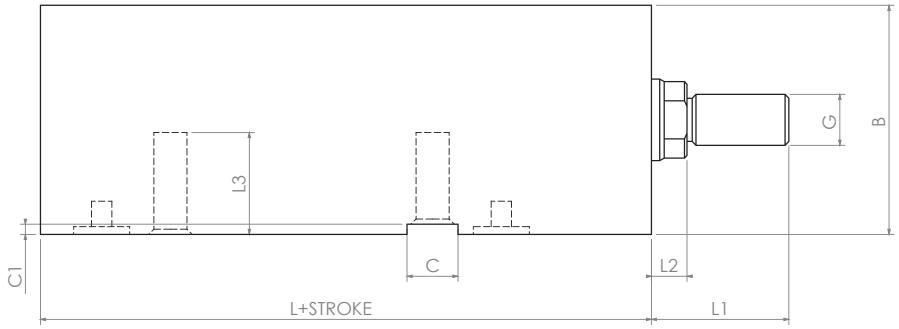
**Sızdırmazlık / Sealing :** Nbr – Pu – Viton

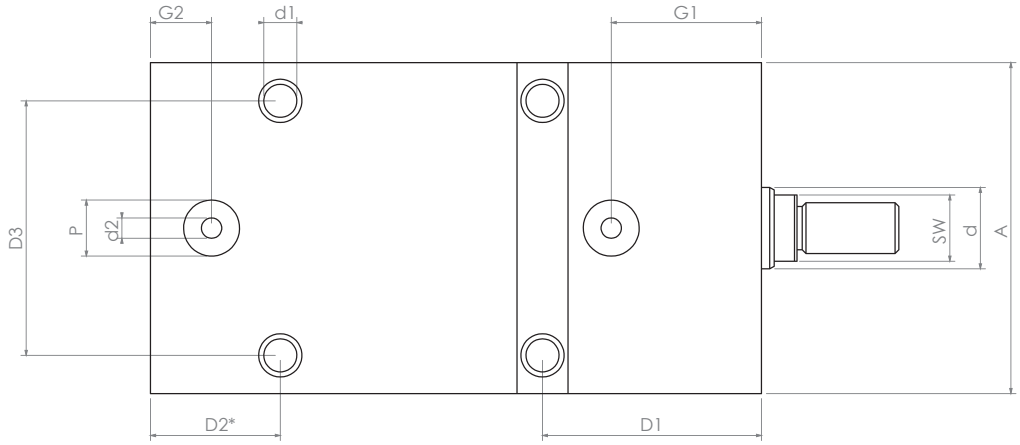
**Stroke (Opsiyon Mevcut / Option Available) :** 10mm – 200 mm

| | Ø Piston / Ø Bore | Ø Mil / Ø Rod | A | B | C | C1 | d | d1 | D1 | D2* | D3 | G | G1 | G2 | L | L1 | L2 | R | SW | L3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M2G | 25 | 16 | 65 | 45 | 10 | 2 | 16 | M8x1,5 | 43 | 25,5 | 50 | M10x1,5 | 29,5 | 12 | 70 | 25 | 7 | G1/4" | 13 | 20 |
| | 32 | 20 | 75 | 55 | 10 | 4 | 20 | M8x1,5 | 47 | 27 | 60 | M12x1,5 | 34,5 | 12 | 75 | 25 | 10 | G1/4" | 16 | 20 |
| | 40 | 25 | 85 | 63 | 12 | 4 | 25 | M10x1,5 | 49 | 27 | 63 | M12x1,5 | 34,5 | 12 | 85 | 30 | 10 | G1/4" | 21 | 25 |
| | 50 | 28 | 100 | 75 | 15 | 5 | 28 | M12x1,5 | 58 | 30 | 76 | M16x2 | 39,5 | 12 | 90 | 35 | 10 | G1/4" | 24 | 30 |
| | 63 | 36 | 125 | 95 | 20 | 5 | 36 | M16x2 | 68 | 41 | 95 | M20x2,5 | 45,5 | 19,5 | 110 | 40 | 14 | G3/8" | 32 | 40 |
| | 80 | 45 | 160 | 120 | 24 | 7 | 45 | M20x2,5 | 78 | 47 | 120 | M27x3 | 45,5 | 19,5 | 120 | 55 | 14 | G1/2" | 40 | 47 |
| | 100 | 56 | 200 | 150 | 28 | 7 | 56 | M24x3 | 88 | 51 | 158 | M36x4 | 52 | 23 | 130 | 55 | 15 | G1/2" | 50 | 62 |

# M3G

## Blok Silindir / Block Cylinder




D2* is not exist for (0-49) stroke.

**Piston Çapı / Bore :** Ø25 – Ø100

**Mak. Çalışma Basıncı / Max. Working Pressure :** 0 – 500 Bar

**Sızdırmazlık / Sealing :** Nbr – Pu – Viton

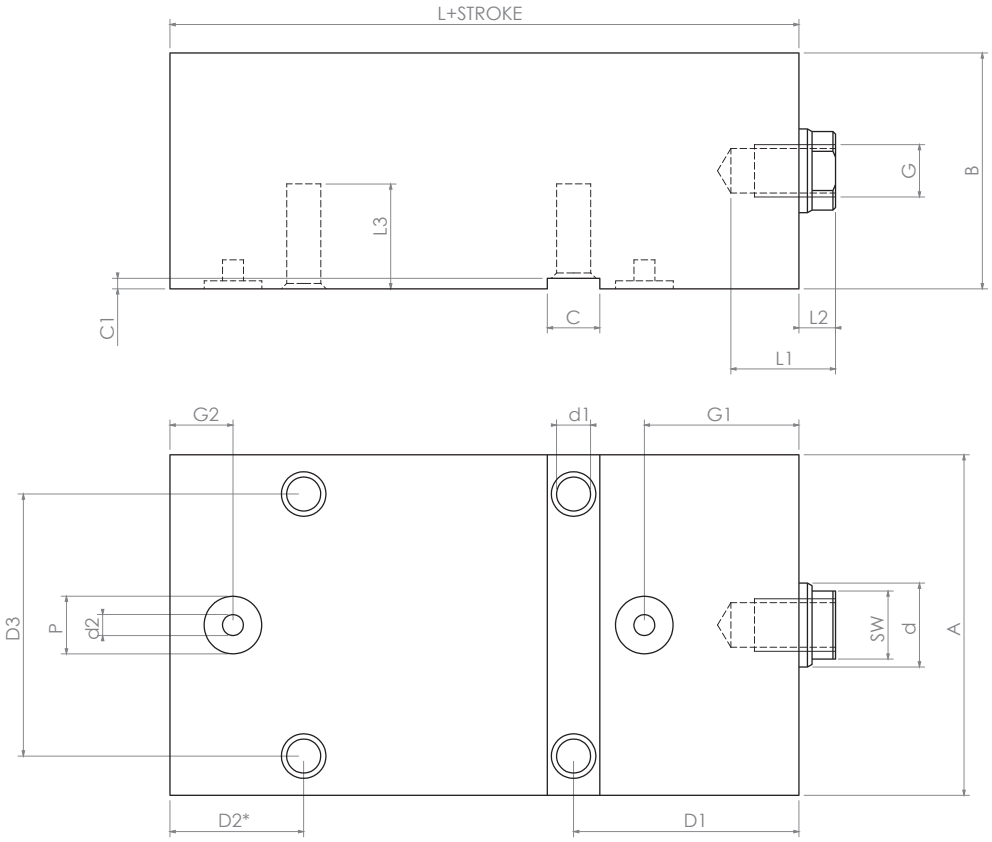
**Stroke (Opsiyon Mevcut / Option Available) :** 10mm – 200 mm

| | Ø Piston / Ø Bore | Ø Mil / Ø Rod | A | B | C | C1 | d | d1 | d2 | P | D1 | D2* | D3 | G | G1 | G2 | L | L1 | L2 | SW | L3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M3G | 25 | 16 | 65 | 45 | 10 | 2 | 16 | M8x1,5 | 4 | 11 | 43 | 25,5 | 50 | M10x1,5 | 29,5 | 12 | 70 | 27 | 7 | 13 | 20 |
| | 32 | 20 | 75 | 55 | 10 | 4 | 20 | M8x1,5 | 4 | 11 | 47 | 27 | 60 | M12x1,5 | 34,5 | 12 | 75 | 30 | 10 | 16 | 20 |
| | 40 | 25 | 85 | 63 | 12 | 4 | 25 | M10x1,5 | 4 | 11 | 49 | 27 | 63 | M12x1,5 | 34,5 | 12 | 85 | 35 | 10 | 21 | 25 |
| | 50 | 28 | 100 | 75 | 15 | 5 | 28 | M12x1,5 | 5 | 14 | 58 | 30 | 76 | M16x2 | 39,5 | 12 | 90 | 40 | 10 | 24 | 30 |
| | 63 | 36 | 125 | 95 | 20 | 5 | 36 | M16x2 | 6 | 16 | 68 | 41 | 95 | M20x2,5 | 45,5 | 19,5 | 110 | 54 | 14 | 32 | 40 |
| | 80 | 45 | 160 | 120 | 24 | 7 | 45 | M20x2,5 | 7 | 20 | 78 | 47 | 120 | M27x3 | 45,5 | 19,5 | 120 | 64 | 14 | 40 | 47 |
| | 100 | 56 | 200 | 150 | 28 | 7 | 56 | M24x3 | 8 | 20 | 88 | 51 | 158 | M36x4 | 52 | 23 | 130 | 75 | 15 | 50 | 57 |

# Blok Silindir / Block Cylinder

# M4G

D2* is not exist for (0-49) stroke.




**Piston Çapı / Bore :** Ø25 – Ø100

**Mak. Çalışma Basıncı / Max. Working Pressure :** 0 – 500 Bar

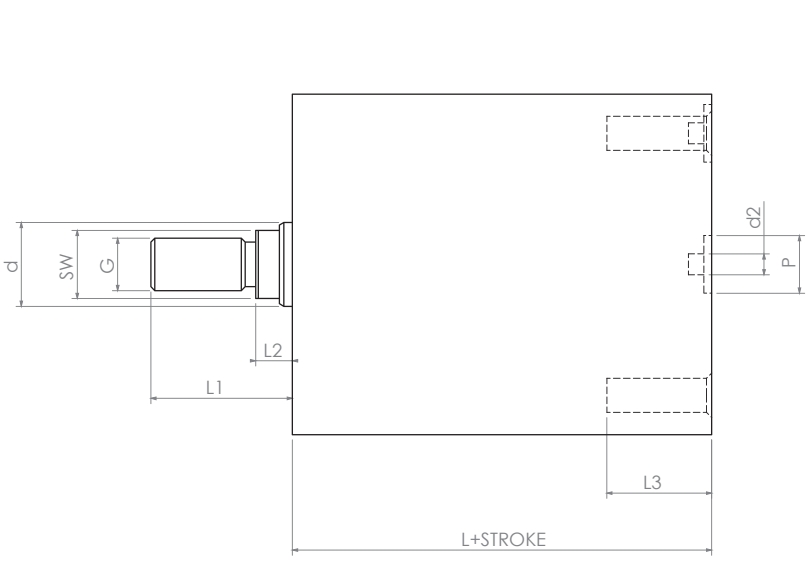
**Sızdırmazlık / Sealing :** Nbr – Pu – Viton

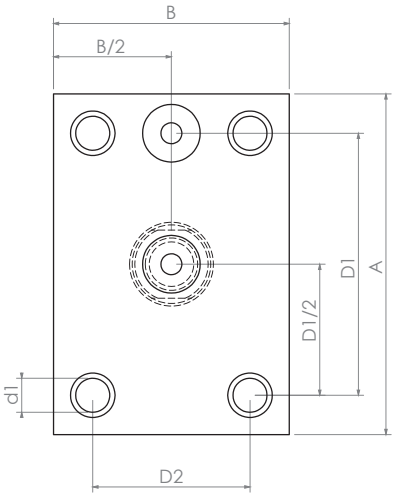
**Stroke (Opsiyon Mevcut / Option Available) :** 10mm – 200 mm

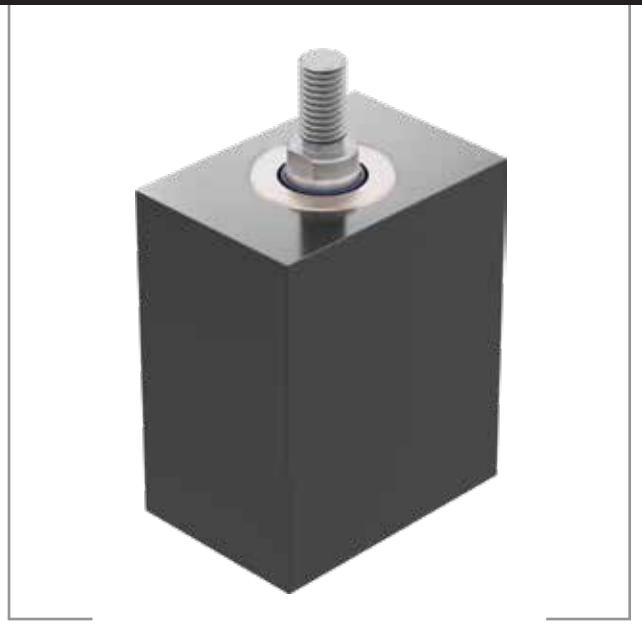
| | Ø Piston / Ø Bore | Ø Mil / Ø Rod | A | B | C | C1 | d | d1 | d2 | P | D1 | D2* | D3 | G | G1 | G2 | L | L1 | L2 | SW | L3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M4G | 25 | 16 | 65 | 45 | 10 | 2 | 16 | M8x1,5 | 4 | 11 | 43 | 25,5 | 50 | M10x1,5 | 29,5 | 12 | 70 | 25 | 7 | 13 | 20 |
| | 32 | 20 | 75 | 55 | 10 | 4 | 20 | M8x1,5 | 4 | 11 | 47 | 27 | 60 | M12x1,5 | 34,5 | 12 | 75 | 25 | 10 | 16 | 20 |
| | 40 | 25 | 85 | 63 | 12 | 4 | 25 | M10x1,5 | 4 | 11 | 49 | 27 | 63 | M12x1,5 | 34,5 | 12 | 85 | 30 | 10 | 21 | 25 |
| | 50 | 28 | 100 | 75 | 15 | 5 | 28 | M12x1,5 | 5 | 14 | 58 | 30 | 76 | M16x2 | 39,5 | 12 | 90 | 35 | 10 | 24 | 30 |
| | 63 | 36 | 125 | 95 | 20 | 5 | 36 | M16x2 | 6 | 16 | 68 | 41 | 95 | M20x2,5 | 45,5 | 19,5 | 110 | 40 | 14 | 32 | 40 |
| | 80 | 45 | 160 | 120 | 24 | 7 | 45 | M20x2,5 | 7 | 20 | 78 | 47 | 120 | M27x3 | 45,5 | 19,5 | 120 | 55 | 14 | 40 | 47 |
| | 100 | 56 | 200 | 150 | 28 | 7 | 56 | M24x3 | 8 | 20 | 88 | 51 | 158 | M36x4 | 52 | 23 | 130 | 55 | 15 | 50 | 57 |

# M5G

## Blok Silindir / Block Cylinder



**Piston Çapı / Bore :** Ø25 – Ø100

**Mak. Çalışma Basıncı / Max. Working Pressure :** 0 – 500 Bar

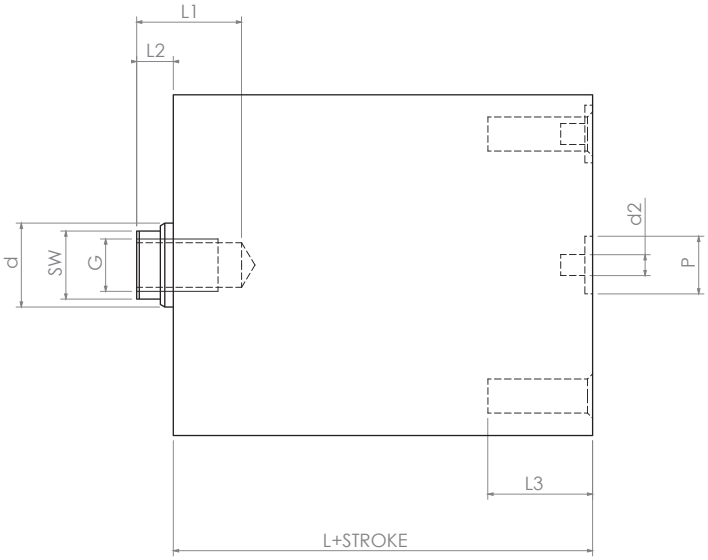
**Sızdırmazlık / Sealing :** Nbr – Pu – Viton

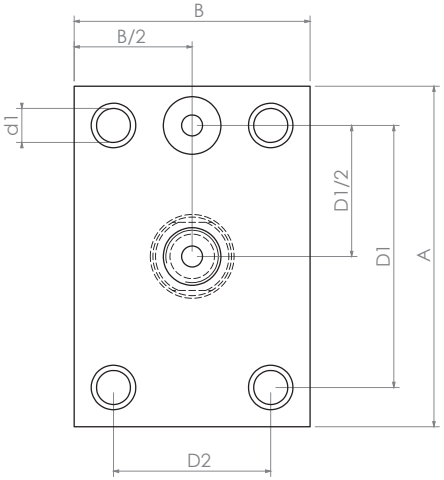
**Stroke (Opsiyon Mevcut / Option Available) :** 10mm – 200 mm

| | Ø Piston / Ø Bore | Ø Mil / Ø Rod | A | B | d | d1 | d2 | P | D1 | D2 | G | L | L1 | L2 | SW | L3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M5G | 25 | 16 | 65 | 45 | 16 | M8x1,5 | 4 | 11 | 50 | 30 | M10x1,5 | 70 | 27 | 7 | 13 | 20 |
| | 32 | 20 | 75 | 55 | 20 | M10x1,5 | 4 | 11 | 55 | 35 | M12x1,5 | 75 | 30 | 10 | 16 | 25 |
| | 40 | 25 | 85 | 63 | 25 | M10x1,5 | 4 | 11 | 63 | 40 | M12x1,5 | 85 | 35 | 10 | 21 | 30 |
| | 50 | 28 | 100 | 75 | 28 | M10x1,5 | 5 | 14 | 76 | 45 | M16x2 | 90 | 40 | 10 | 24 | 30 |
| | 63 | 36 | 125 | 95 | 36 | M16x2 | 6 | 16 | 95 | 65 | M20x2,5 | 110 | 54 | 14 | 32 | 40 |
| | 80 | 45 | 160 | 120 | 45 | M20x2,5 | 7 | 20 | 120 | 80 | M27x3 | 120 | 64 | 14 | 40 | 40 |
| | 100 | 56 | 200 | 150 | 56 | M24x3 | 8 | 20 | 158 | 108 | M36x4 | 130 | 75 | 15 | 50 | 50 |

# Blok Silindir / Block Cylinder

# M6G




**Piston Çapı / Bore :** Ø25 – Ø100

**Mak. Çalışma Basıncı / Max. Working Pressure :** 0 – 500 Bar

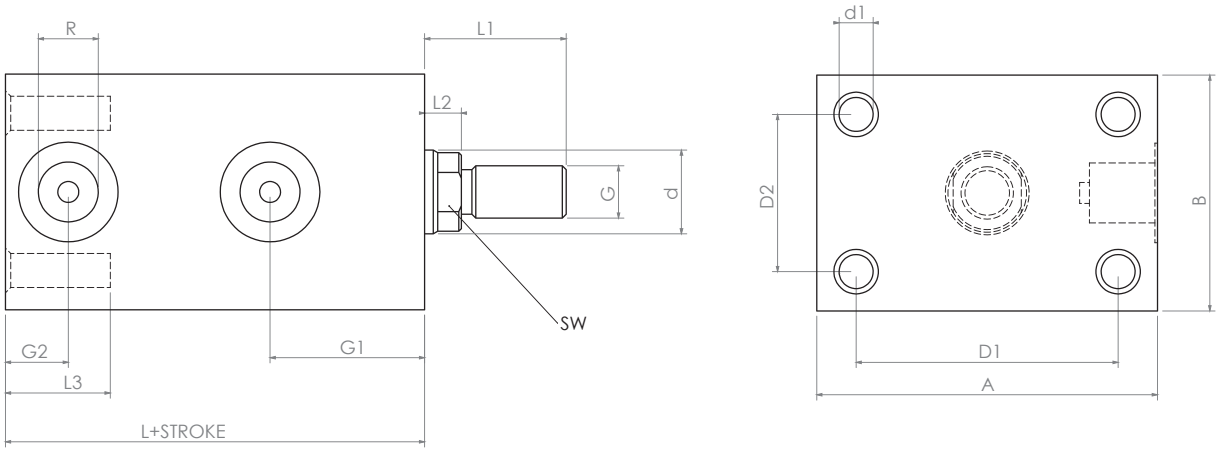
**Sızdırmazlık / Sealing :** Nbr – Pu – Viton

**Stroke (Opsiyon Mevcut / Option Available) :** 10mm – 200 mm

| | Ø Piston / Ø Bore | Ø Mil / Ø Rod | A | B | d | d1 | d2 | P | D1 | D2 | G | L | L1 | L2 | SW | L3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M6G | 25 | 16 | 65 | 45 | 16 | M8x1,5 | 4 | 11 | 50 | 30 | M10x1,5 | 70 | 20 | 7 | 13 | 20 |
| | 32 | 20 | 75 | 55 | 20 | M10x1,5 | 4 | 11 | 55 | 35 | M12x1,5 | 75 | 25 | 10 | 16 | 25 |
| | 40 | 25 | 85 | 63 | 25 | M10x1,5 | 4 | 11 | 63 | 40 | M12x1,5 | 85 | 30 | 10 | 21 | 30 |
| | 50 | 28 | 100 | 75 | 28 | M12x1,5 | 5 | 14 | 76 | 45 | M16x2 | 90 | 35 | 10 | 24 | 30 |
| | 63 | 36 | 125 | 95 | 36 | M16x2 | 6 | 16 | 95 | 65 | M20x2,5 | 110 | 40 | 14 | 32 | 40 |
| | 80 | 45 | 160 | 120 | 45 | M20x2,5 | 7 | 20 | 120 | 80 | M27x3 | 120 | 55 | 14 | 40 | 40 |
| | 100 | 56 | 200 | 150 | 56 | M24x3 | 8 | 20 | 158 | 108 | M36x4 | 130 | 55 | 15 | 50 | 50 |

# M7G

## Blok Silindir / Block Cylinder



**Piston Çapı / Bore :** Ø25 – Ø100

**Mak. Çalışma Basıncı / Max. Working Pressure :** 0 – 500 Bar

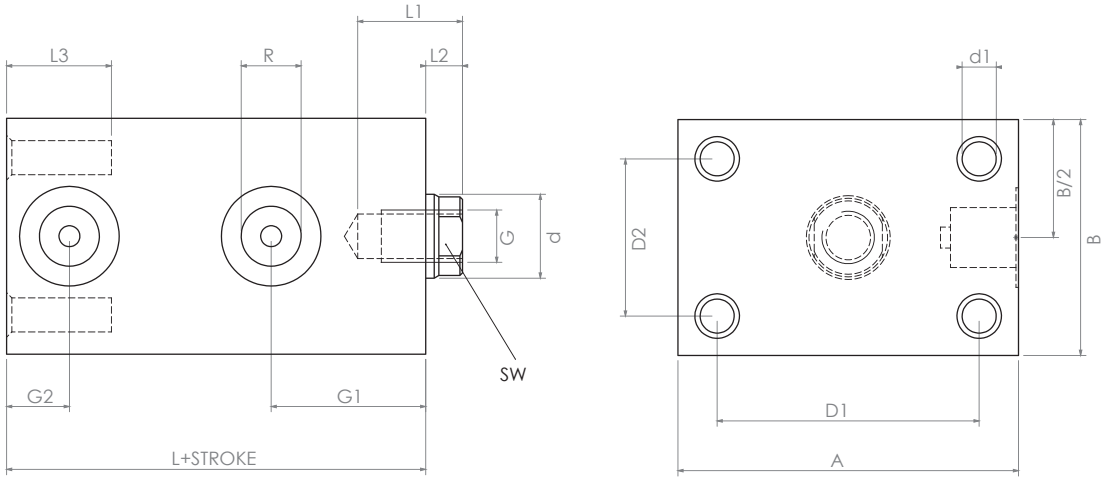
**Sızdırmazlık / Sealing :** Nbr – Pu – Viton

**Stroke (Opsiyon Mevcut / Option Available) :** 10mm – 200 mm

| | Ø Piston / Ø Bore | Ø Mil / Ø Rod | A | B | d | d1 | D1 | D2 | G | G1 | G2 | L | L1 | L2 | R | SW | L3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M7G | 25 | 16 | 65 | 45 | 16 | M8x1,5 | 50 | 30 | M10x1,5 | 29,5 | 12 | 70 | 27 | 7 | G1/4" | 13 | 20 |
| | 32 | 20 | 75 | 55 | 20 | M10x1,5 | 55 | 35 | M12x1,5 | 34,5 | 12 | 75 | 30 | 10 | G1/4" | 16 | 25 |
| | 40 | 25 | 85 | 63 | 25 | M10x1,5 | 63 | 40 | M12x1,5 | 34,5 | 12 | 85 | 35 | 10 | G1/4" | 21 | 30 |
| | 50 | 28 | 100 | 75 | 28 | M12x1,5 | 76 | 45 | M16x2 | 39,5 | 12 | 90 | 40 | 10 | G1/4" | 24 | 30 |
| | 63 | 36 | 125 | 95 | 36 | M16x2 | 95 | 65 | M20x2,5 | 45,5 | 19,5 | 110 | 54 | 14 | G3/8" | 32 | 40 |
| | 80 | 45 | 160 | 120 | 45 | M20x2,5 | 120 | 80 | M27x3 | 45,5 | 19,5 | 120 | 64 | 14 | G1/2" | 40 | 40 |
| | 100 | 56 | 200 | 150 | 56 | M24x3 | 158 | 108 | M36x4 | 52 | 23 | 130 | 75 | 15 | G1/2" | 50 | 50 |

# Blok Silindir / Block Cylinder

M8G




**Piston Çapı / Bore :** Ø25 – Ø100

**Mak. Çalışma Basıncı / Max. Working Pressure :** 0 – 500 Bar

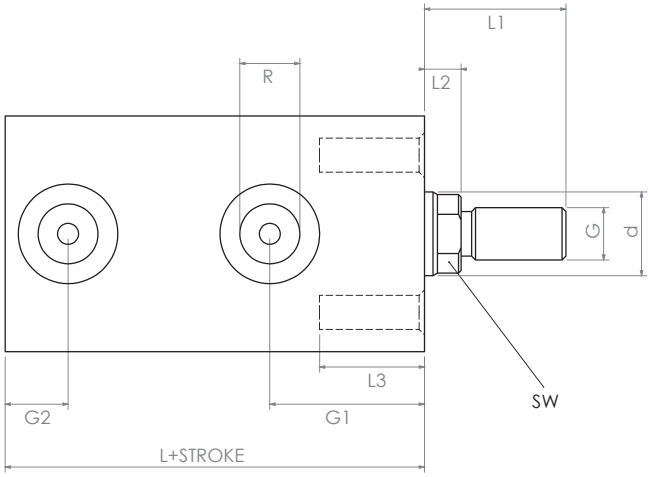
**Sızdırmazlık / Sealing :** Nbr – Pu – Viton

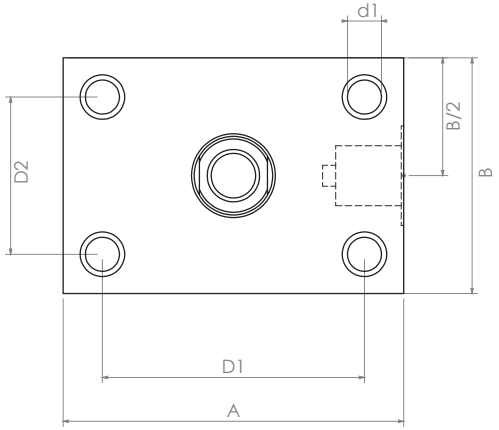
**Stroke (Opsiyon Mevcut / Option Available) :** 10mm – 200 mm

| | Ø Piston / Ø Bore | Ø Mil / Ø Rod | A | B | d | d1 | D1 | D2 | G | G1 | G2 | L | L1 | L2 | R | SW | L3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M8G | 25 | 16 | 65 | 45 | 16 | M8x1,5 | 50 | 30 | M10x1,5 | 29,5 | 12 | 70 | 20 | 7 | G1/4" | 13 | 20 |
| | 32 | 20 | 75 | 55 | 20 | M10x1,5 | 55 | 35 | M12x1,5 | 34,5 | 12 | 75 | 25 | 10 | G1/4" | 16 | 25 |
| | 40 | 25 | 85 | 63 | 25 | M10x1,5 | 63 | 40 | M12x1,5 | 34,5 | 12 | 85 | 30 | 10 | G1/4" | 21 | 30 |
| | 50 | 28 | 100 | 75 | 28 | M12x1,5 | 76 | 45 | M16x2 | 39,5 | 12 | 90 | 35 | 10 | G1/4" | 24 | 30 |
| | 63 | 36 | 125 | 95 | 36 | M16x2 | 95 | 65 | M20x2,5 | 45,5 | 19,5 | 110 | 40 | 14 | G3/8" | 32 | 40 |
| | 80 | 45 | 160 | 120 | 45 | M20x2,5 | 120 | 80 | M27x3 | 45,5 | 19,5 | 120 | 55 | 14 | G1/2" | 40 | 40 |
| | 100 | 56 | 200 | 150 | 56 | M24x3 | 158 | 108 | M36x4 | 52 | 23 | 130 | 55 | 15 | G1/2" | 50 | 50 |

# M9G

## Blok Silindir / Block Cylinder



**Piston Çapı / Bore :** Ø25 – Ø100

**Mak. Çalışma Basıncı / Max. Working Pressure :** 0 – 500 Bar

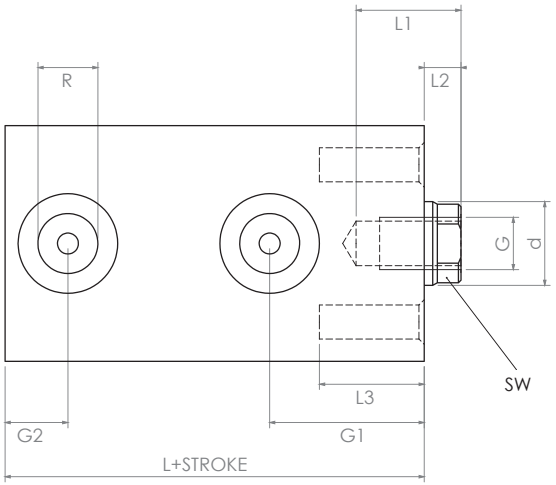
**Sızdırmazlık / Sealing :** Nbr – Pu – Viton

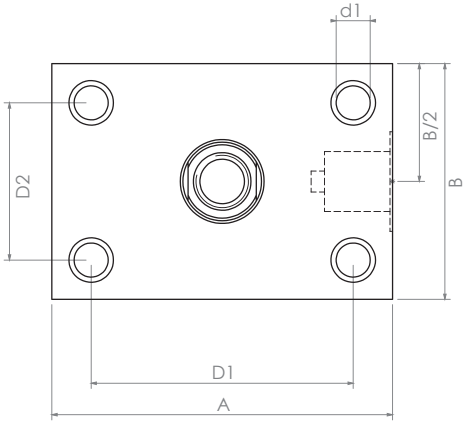
**Stroke (Opsiyon Mevcut / Option Available) :** 10mm – 200 mm

| | Ø Piston / Ø Bore | Ø Mil / Ø Rod | A | B | d | d1 | D1 | D2 | G | G1 | G2 | L | L1 | L2 | R | SW | L3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M9G | 25 | 16 | 65 | 45 | 16 | M8x1,5 | 50 | 30 | M10x1,5 | 29,5 | 12 | 70 | 27 | 7 | G1/4" | 13 | 20 |
| | 32 | 20 | 75 | 55 | 20 | M10x1,5 | 55 | 35 | M12x1,5 | 34,5 | 12 | 75 | 30 | 10 | G1/4" | 16 | 25 |
| | 40 | 25 | 85 | 63 | 25 | M10x1,5 | 63 | 40 | M12x1,5 | 34,5 | 12 | 85 | 35 | 10 | G1/4" | 21 | 30 |
| | 50 | 28 | 100 | 75 | 28 | M12x1,75 | 76 | 45 | M16x2 | 39,5 | 12 | 90 | 40 | 10 | G1/4" | 24 | 30 |
| | 63 | 36 | 125 | 95 | 36 | M16x2 | 95 | 65 | M20x2,5 | 45,5 | 19,5 | 110 | 54 | 14 | G3/8" | 32 | 40 |
| | 80 | 45 | 160 | 120 | 45 | M20x2,5 | 120 | 80 | M27x3 | 45,5 | 19,5 | 120 | 64 | 14 | G1/2" | 40 | 40 |
| | 100 | 56 | 200 | 150 | 56 | M24x3 | 158 | 108 | M36x4 | 52 | 23 | 130 | 75 | 15 | G1/2" | 50 | 50 |

# Blok Silindir / Block Cylinder

# M10G




**Piston Çapı / Bore :** Ø25 – Ø100

**Mak. Çalışma Basıncı / Max. Working Pressure :** 0 – 500 Bar

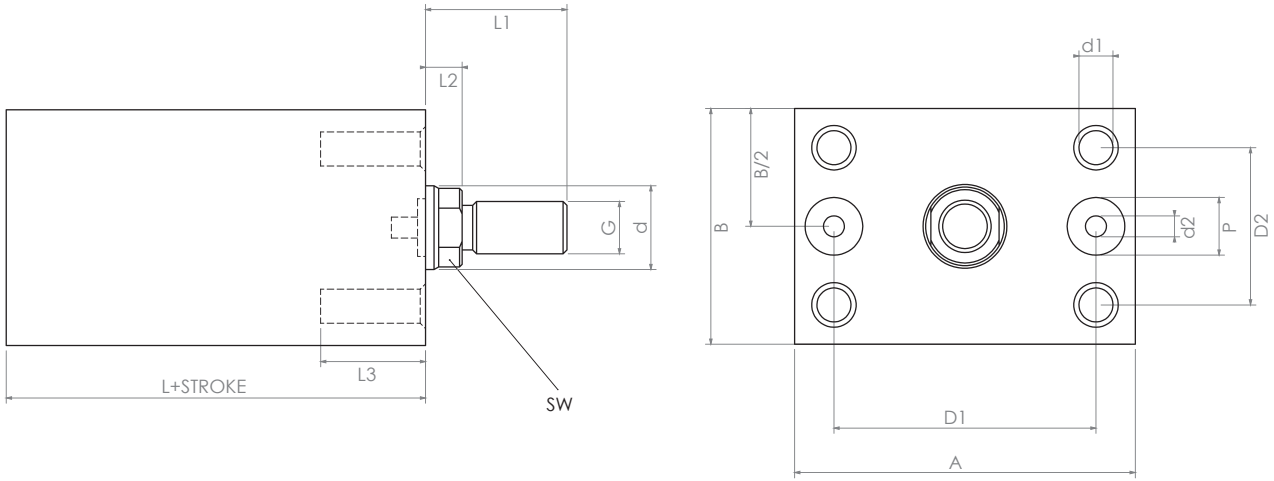
**Sızdırmazlık / Sealing :** Nbr – Pu – Viton

**Stroke (Opsiyon Mevcut / Option Available) :** 10mm – 200 mm

| | Ø Piston / Ø Bore | Ø Mil / Ø Rod | A | B | d | d1 | D1 | D2 | G | G1 | G2 | L | L1 | L2 | R | SW | L3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M10G | 25 | 16 | 65 | 45 | 16 | M8x1,5 | 50 | 30 | M10x1,5 | 29,5 | 12 | 70 | 20 | 7 | G1/4" | 13 | 20 |
| | 32 | 20 | 75 | 55 | 20 | M10x1,5 | 55 | 35 | M12x1,5 | 34,5 | 12 | 75 | 25 | 10 | G1/4" | 16 | 25 |
| | 40 | 25 | 85 | 63 | 25 | M10x1,5 | 63 | 40 | M12x1,5 | 34,5 | 12 | 85 | 30 | 10 | G1/4" | 21 | 30 |
| | 50 | 28 | 100 | 75 | 28 | M12x1,5 | 76 | 45 | M16x2 | 39,5 | 12 | 90 | 35 | 10 | G1/4" | 24 | 30 |
| | 63 | 36 | 125 | 95 | 36 | M16x2 | 95 | 65 | M20x2,5 | 45,5 | 19,5 | 110 | 40 | 14 | G3/8" | 32 | 40 |
| | 80 | 45 | 160 | 120 | 45 | M20x2,5 | 120 | 80 | M27x3 | 45,5 | 19,5 | 120 | 55 | 14 | G1/2" | 40 | 40 |
| | 100 | 56 | 200 | 150 | 56 | M24x3 | 158 | 108 | M36x4 | 52 | 23 | 130 | 55 | 15 | G1/2" | 50 | 50 |

# M11G

## Blok Silindir / Block Cylinder



**Piston Çapı / Bore :** Ø25 – Ø100

**Mak. Çalışma Basıncı / Max. Working Pressure :** 0 – 500 Bar

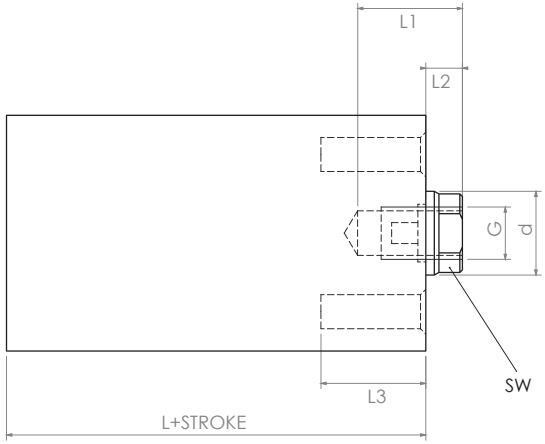
**Sızdırmazlık / Sealing :** Nbr – Pu – Viton

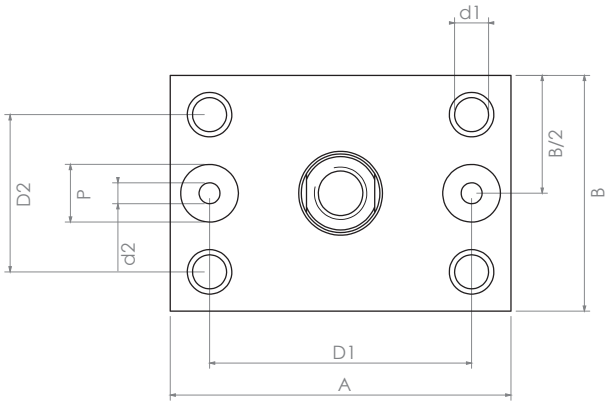
**Stroke (Opsiyon Mevcut / Option Available) :** 10mm – 200 mm

| | Ø Piston / Ø Bore | Ø Mil / Ø Rod | A | B | d | d1 | d2 | P | D1 | D2 | G | L | L1 | L2 | SW | L3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M11G | 25 | 16 | 65 | 45 | 16 | M8x1,5 | 4 | 11 | 50 | 30 | M10x1,5 | 70 | 27 | 7 | 13 | 20 |
| | 32 | 20 | 75 | 55 | 20 | M10x1,5 | 4 | 11 | 55 | 35 | M12x1,5 | 75 | 30 | 10 | 16 | 25 |
| | 40 | 25 | 85 | 63 | 25 | M10x1,5 | 4 | 11 | 63 | 40 | M12x1,5 | 85 | 35 | 10 | 21 | 30 |
| | 50 | 28 | 100 | 75 | 28 | M12x1,5 | 5 | 14 | 76 | 45 | M16x2 | 90 | 40 | 10 | 24 | 30 |
| | 63 | 36 | 125 | 95 | 36 | M16x2 | 6 | 16 | 95 | 65 | M20x2,5 | 110 | 54 | 14 | 32 | 40 |
| | 80 | 45 | 160 | 120 | 45 | M20x2,5 | 7 | 20 | 120 | 80 | M27x3 | 120 | 64 | 14 | 40 | 40 |
| | 100 | 56 | 200 | 150 | 56 | M24x3 | 8 | 20 | 158 | 108 | M36x4 | 130 | 75 | 15 | 50 | 50 |

# Blok Silindir / Block Cylinder

# M12G




**Piston Çapı / Bore :** Ø25 – Ø100

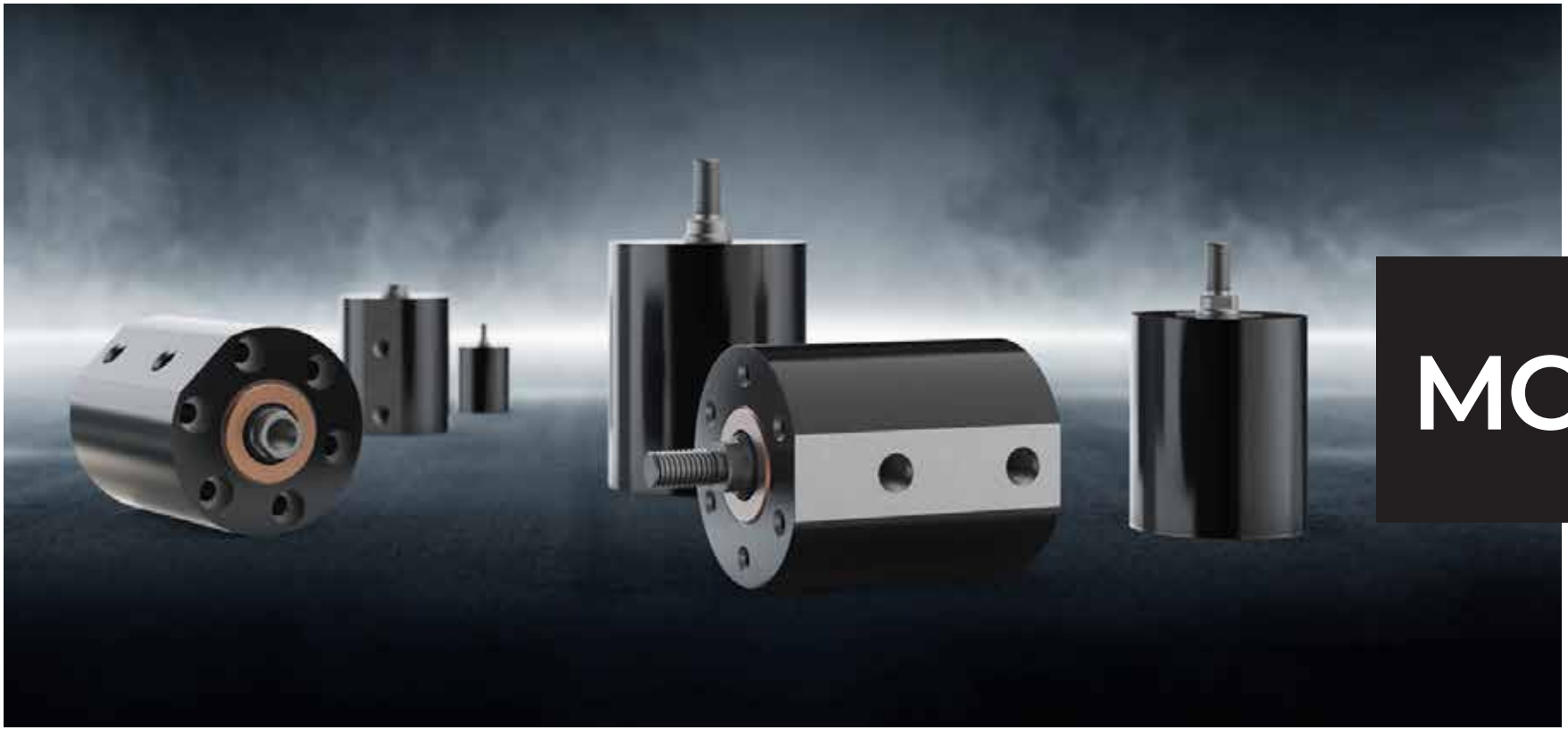
**Mak. Çalışma Basıncı / Max. Working Pressure :** 0 – 500 Bar

**Sızdırmazlık / Sealing :** Nbr – Pu – Viton

**Stroke (Opsiyon Mevcut / Option Available) :** 10mm – 200 mm

| | Ø Piston / Ø Bore | Ø Mil / Ø Rod | A | B | d | d1 | d2 | P | D1 | D2 | G | L | L1 | L2 | SW | L3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M12G | 25 | 16 | 65 | 45 | 16 | M8x1,5 | 4 | 11 | 50 | 30 | M10x1,5 | 70 | 20 | 7 | 13 | 20 |
| | 32 | 20 | 75 | 55 | 20 | M10x1,5 | 4 | 11 | 55 | 35 | M12x1,5 | 75 | 25 | 10 | 16 | 25 |
| | 40 | 25 | 85 | 63 | 25 | M10x1,5 | 4 | 11 | 63 | 40 | M12x1,5 | 85 | 30 | 10 | 21 | 30 |
| | 50 | 28 | 100 | 75 | 28 | M12x1,5 | 5 | 14 | 76 | 45 | M16x2 | 90 | 35 | 10 | 24 | 30 |
| | 63 | 36 | 125 | 95 | 36 | M16x2 | 6 | 16 | 95 | 65 | M20x2,5 | 110 | 40 | 14 | 32 | 40 |
| | 80 | 45 | 160 | 120 | 45 | M20x2,5 | 7 | 20 | 120 | 80 | M27x3 | 120 | 55 | 14 | 40 | 40 |
| | 100 | 56 | 200 | 150 | 56 | M24x3 | 8 | 20 | 158 | 108 | M36x4 | 130 | 55 | 15 | 50 | 50 |

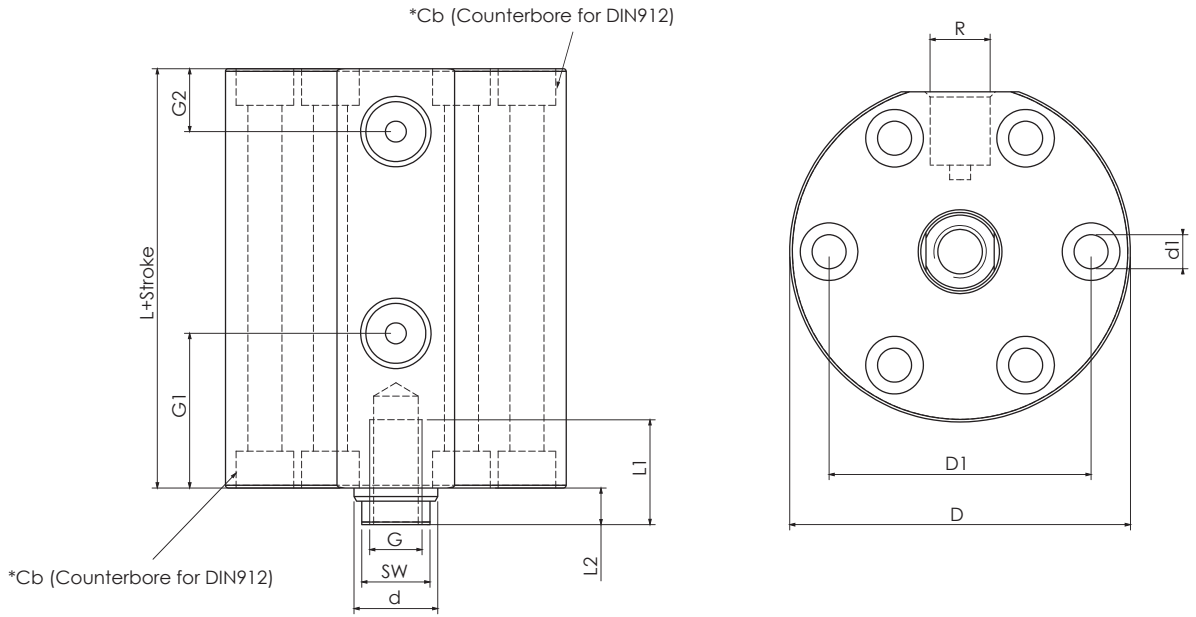
# Blok Silindir / Block Cylinder



## MC SERİSİ SERIAL

# Blok Silindir / Block Cylinder

# MC1




**Piston Çapı / Bore :** Ø25 – Ø100

**Mak. Çalışma Basıncı / Max. Working Pressure :** 0 – 500 Bar

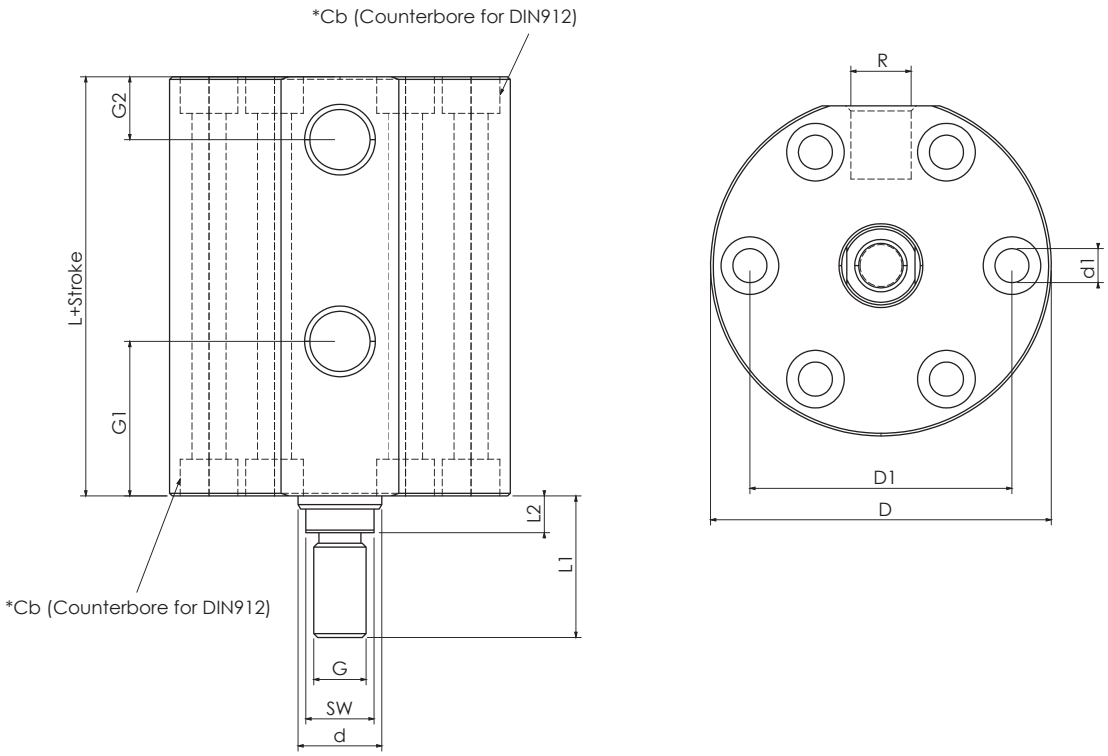
**Sızdırmazlık / Sealing :** Nbr – Pu – Viton

**Stroke (Opsiyon Mevcut / Option Available) :** 10mm – 200 mm

| | Ø Piston / Ø Bore | Ø Mil / Ø Rod | D | D1 | d | d1 | G | G1 | G2 | L | L1 | L2 | R | SW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MC1 | 25 | 16 | 65 | 50 | 16 | 6,5 | M10 x 1.5 | 29,5 | 12 | 70 | 20 | 7 | G1/8" | 13 |
| | 32 | 20 | 75 | 58 | 20 | 9 | M12 x 1.5 | 34,5 | 12 | 75 | 20 | 10 | G1/4" | 17 |
| | 40 | 25 | 90 | 70 | 25 | 11 | M12 x 1.5 | 34,5 | 12 | 85 | 30 | 10 | G1/4" | 21 |
| | 50 | 28 | 100 | 80 | 28 | 11 | M16 x 2 | 39,5 | 12 | 90 | 35 | 10 | G1/4" | 24 |
| | 63 | 36 | 125 | 100 | 36 | 13,5 | M20 x 2.5 | 45,5 | 19,5 | 110 | 45 | 14 | G3/8" | 32 |
| | 80 | 45 | 160 | 130 | 45 | 17 | M27 x 3 | 44,5 | 19,5 | 120 | 55 | 14 | G1/2" | 40 |
| | 100 | 56 | 200 | 160 | 56 | 21 | M36 x 4 | 52 | 23 | 130 | 65 | 15 | G1/2" | 50 |

# MC2

## Blok Silindir / Block Cylinder



**Piston Çapı / Bore :** Ø25 – Ø100

**Mak. Çalışma Basıncı / Max. Working Pressure :** 0 – 500 Bar

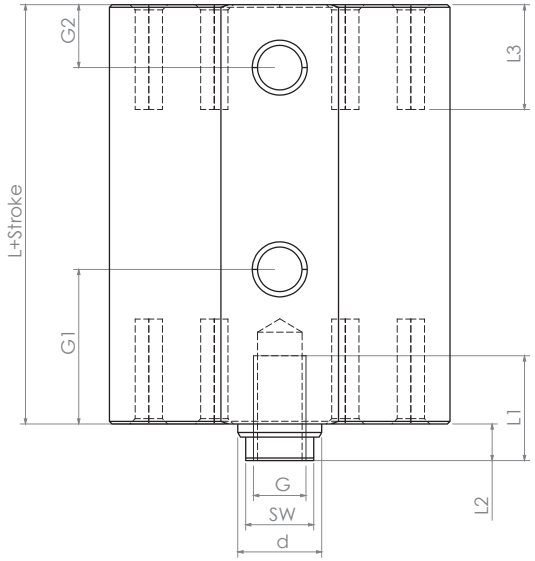
**Sızdırmazlık / Sealing :** Nbr – Pu – Viton

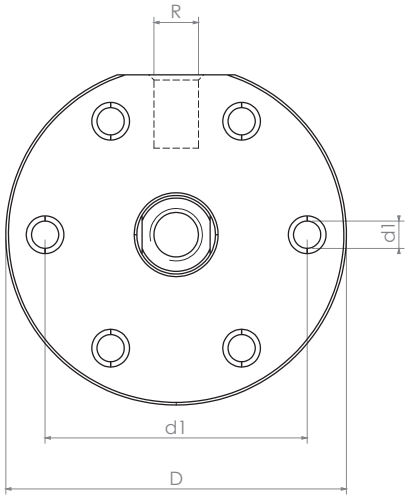
**Stroke (Opsiyon Mevcut / Option Available) :** 10mm – 200 mm

| | Ø Piston / Ø Bore | Ø Mil / Ø Rod | D | D1 | d | d1 | G | G1 | G2 | L | L1 | L2 | R | SW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MC2 | 25 | 16 | 65 | 50 | 16 | 6,5 | M10 x 1.5 | 29,5 | 12 | 70 | 27 | 7 | G1/4" | 13 |
| | 32 | 20 | 75 | 58 | 20 | 9 | M12 x 1.5 | 34,5 | 12 | 75 | 30 | 10 | G1/4" | 17 |
| | 40 | 25 | 90 | 70 | 25 | 11 | M12 x 1.5 | 34,5 | 12 | 85 | 35 | 10 | G1/4" | 21 |
| | 50 | 28 | 100 | 80 | 28 | 11 | M16 x 2 | 39,5 | 12 | 90 | 40 | 10 | G1/4" | 24 |
| | 63 | 36 | 125 | 100 | 36 | 13,5 | M20 x 2.5 | 45,5 | 19,5 | 110 | 54 | 14 | G3/8" | 32 |
| | 80 | 45 | 160 | 130 | 45 | 17 | M27 x 3 | 44,5 | 19,5 | 120 | 64 | 14 | G1/2" | 40 |
| | 100 | 56 | 200 | 160 | 56 | 21 | M36 x 4 | 52 | 23 | 130 | 75 | 15 | G1/2" | 50 |

# Blok Silindir / Block Cylinder

MC3




**Piston Çapı / Bore :** Ø25 – Ø100

**Mak. Çalışma Basıncı / Max. Working Pressure :** 0 – 500 Bar

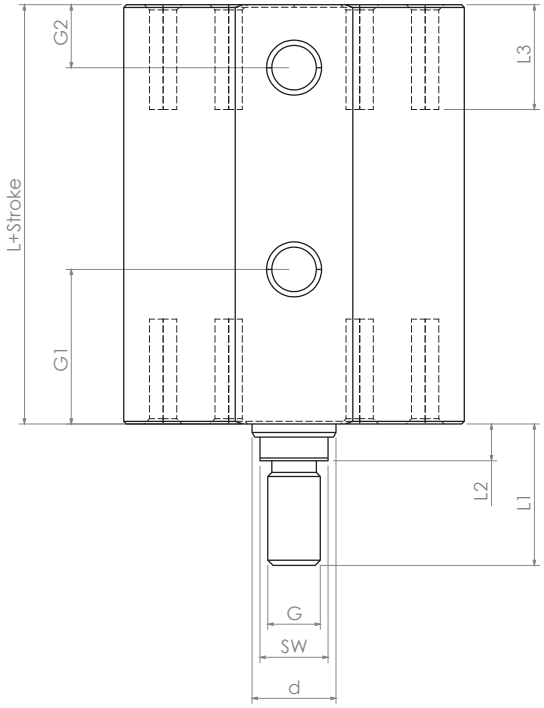
**Sızdırmazlık / Sealing :** Nbr – Pu – Viton

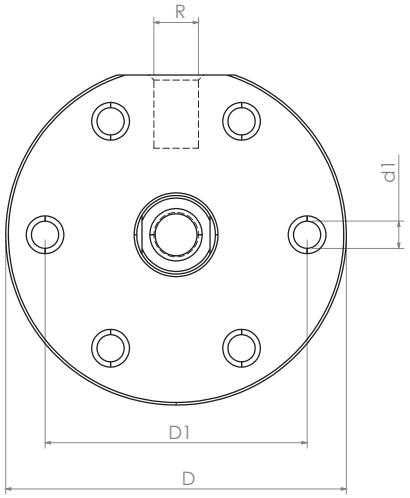
**Stroke (Opsiyon Mevcut / Option Available) :** 10mm – 200 mm

| | Ø Piston / Ø Bore | Ø Mil / Ø Rod | D | D1 | d | d1 | G | G1 | G2 | L | L1 | L2 | R | SW | L3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MC3 | 25 | 16 | 65 | 50 | 16 | M6 x 0.75 | M10 x 1.5 | 29,5 | 12 | 70 | 20 | 7 | G1/8" | 13 | 20 |
| | 32 | 20 | 75 | 58 | 20 | M8 x 1.5 | M12 x 1.5 | 34,5 | 12 | 75 | 20 | 10 | G1/4" | 17 | 20 |
| | 40 | 25 | 90 | 70 | 25 | M10 x 1.5 | M12 x 1.5 | 34,5 | 12 | 85 | 30 | 10 | G1/4" | 21 | 20 |
| | 50 | 28 | 100 | 80 | 28 | M10 x 1.5 | M16 x 2 | 39,5 | 12 | 90 | 35 | 10 | G1/4" | 24 | 20 |
| | 63 | 36 | 125 | 100 | 36 | M12 x 1.5 | M20 x 2.5 | 45,5 | 19,5 | 110 | 45 | 14 | G3/8" | 32 | 20 |
| | 80 | 45 | 160 | 130 | 45 | M16 x 2 | M27 x 3 | 44,5 | 19,5 | 120 | 55 | 14 | G1/2" | 40 | 25 |
| | 100 | 56 | 200 | 160 | 56 | M20 x 2.5 | M36 x 4 | 52 | 23 | 130 | 65 | 15 | G1/2" | 50 | 30 |

# MC4

## Blok Silindir / Block Cylinder



**Piston Çapı / Bore :** Ø25 – Ø100

**Mak. Çalışma Basıncı / Max. Working Pressure :** 0 – 500 Bar

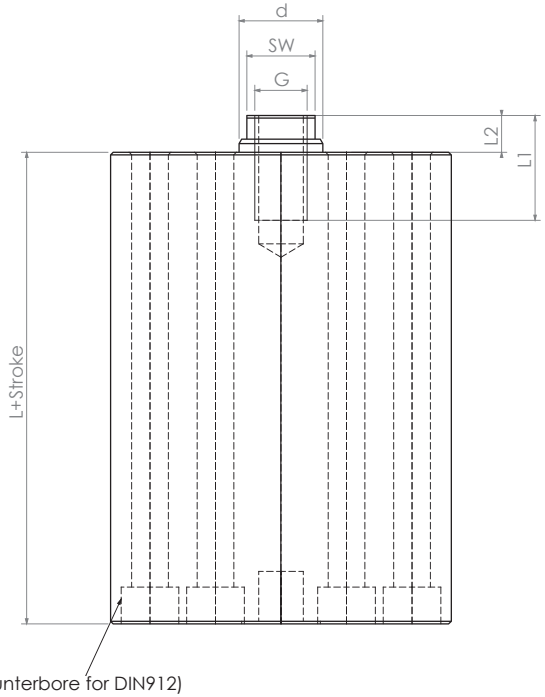
**Sızdırmazlık / Sealing :** Nbr – Pu – Viton

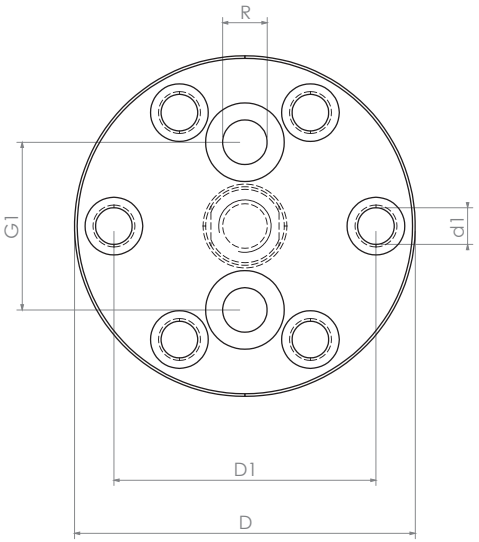
**Stroke (Opsiyon Mevcut / Option Available) :** 10mm – 200 mm

| | Ø Piston / Ø Bore | Ø Mil / Ø Rod | D | D1 | d | d1 | G | G1 | G2 | L | L1 | L2 | R | SW | L3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MC4 | 25 | 16 | 65 | 50 | 16 | M6 x 0.75 | M10 x 1.5 | 29,5 | 12 | 70 | 27 | 7 | G1/8" | 13 | 20 |
| | 32 | 20 | 75 | 58 | 20 | M8 x 1.5 | M12 x 1.5 | 34,5 | 12 | 75 | 30 | 10 | G1/4" | 17 | 20 |
| | 40 | 25 | 90 | 70 | 25 | M10 x 1.5 | M12 x 1.5 | 34,5 | 12 | 85 | 35 | 10 | G1/4" | 21 | 20 |
| | 50 | 28 | 100 | 80 | 28 | M10 x 1.5 | M16 x 2 | 39,5 | 12 | 90 | 40 | 10 | G1/4" | 24 | 20 |
| | 63 | 36 | 125 | 100 | 36 | M12 x 1.5 | M20 x 2.5 | 45,5 | 19,5 | 110 | 54 | 14 | G3/8" | 32 | 20 |
| | 80 | 45 | 160 | 130 | 45 | M16 x 2 | M27 x 3 | 44,5 | 19,5 | 120 | 64 | 14 | G1/2" | 40 | 25 |
| | 100 | 56 | 200 | 160 | 56 | M20 x 2.5 | M36 x 4 | 52 | 23 | 130 | 75 | 15 | G1/2" | 50 | 30 |

# Blok Silindir / Block Cylinder

# MC5




**Piston Çapı / Bore :** Ø25 – Ø100

**Mak. Çalışma Basıncı / Max. Working Pressure :** 0 – 500 Bar

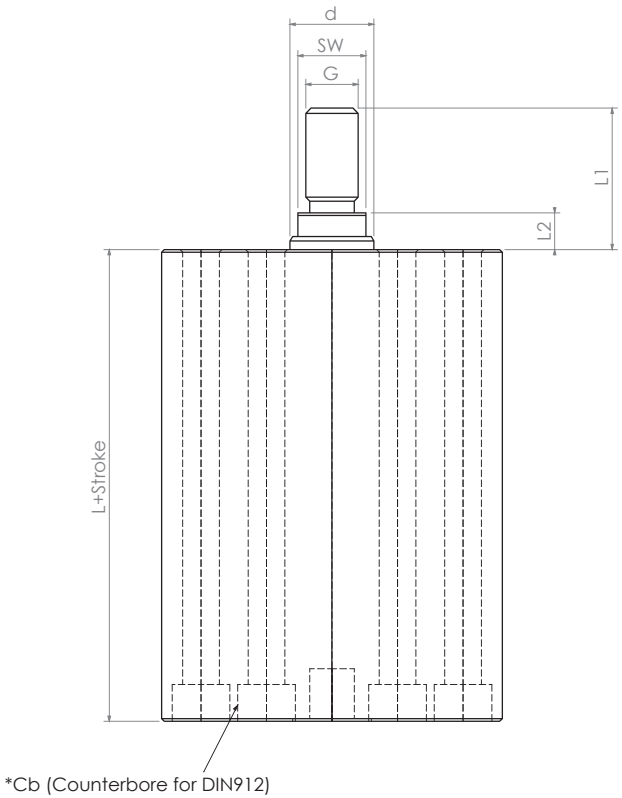
**Sızdırmazlık / Sealing :** Nbr – Pu – Viton

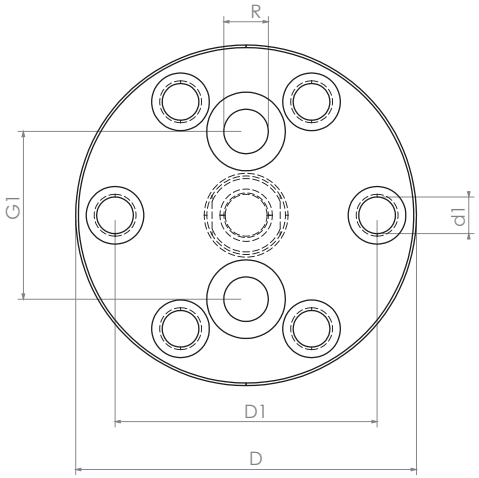
**Stroke (Opsiyon Mevcut / Option Available) :** 10mm – 200 mm

| | Ø Piston / Ø Bore | Ø Mil / Ø Rod | D | D1 | d | d1 | G | G1 | L | L1 | L2 | R | SW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MC5 | 25 | 16 | 65 | 50 | 16 | 7 | M10 x 1.5 | 32 | 80 | 20 | 7 | G1/8" | 13 |
| | 32 | 20 | 75 | 58 | 20 | 9 | M12 x 1.5 | 40 | 85 | 30 | 10 | G1/4" | 17 |
| | 40 | 25 | 90 | 70 | 25 | 11 | M12 x 1.5 | 44 | 95 | 30 | 10 | G1/4" | 21 |
| | 50 | 28 | 100 | 80 | 28 | 11 | M16 x 2 | 57 | 100 | 35 | 10 | G1/4" | 24 |
| | 63 | 36 | 125 | 100 | 36 | 13 | M20 x 2.5 | 72 | 120 | 45 | 14 | G3/8" | 32 |
| | 80 | 45 | 160 | 130 | 45 | 17 | M27 x 3 | 92 | 130 | 55 | 14 | G1/2" | 40 |
| | 100 | 56 | 200 | 160 | 56 | 21 | M36 x 4 | 120 | 140 | 65 | 15 | G1/2" | 50 |

# MC6

## Blok Silindir / Block Cylinder



**Piston Çapı / Bore :** Ø25 – Ø100

**Mak. Çalışma Basıncı / Max. Working Pressure :** 0 – 500 Bar

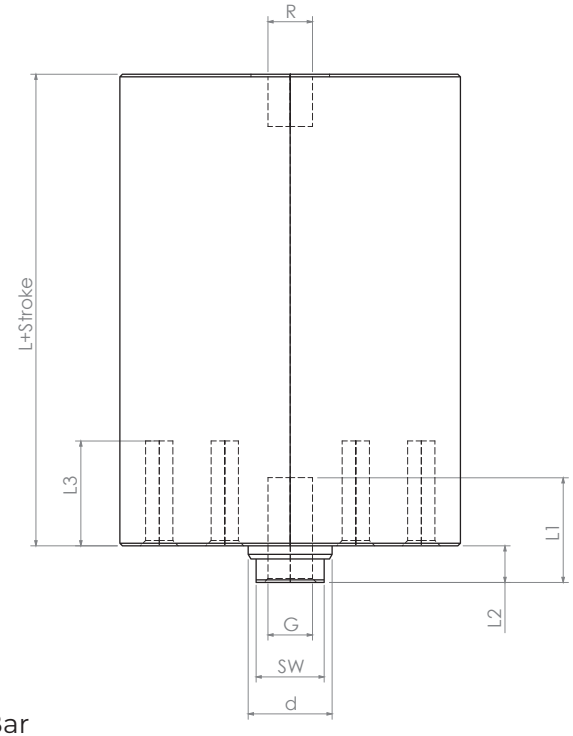
**Sızdırmazlık / Sealing :** Nbr – Pu – Viton

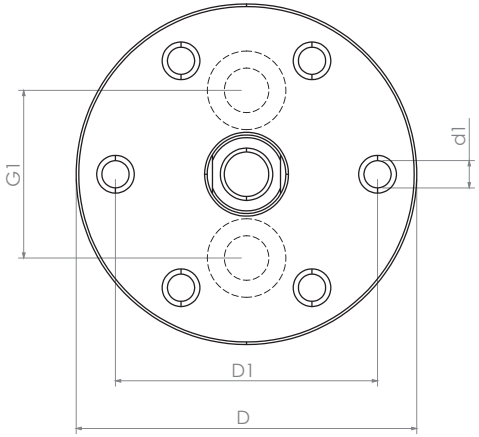
**Stroke (Opsiyon Mevcut / Option Available) :** 10mm – 200 mm

| | Ø Piston / Ø Bore | Ø Mil / Ø Rod | D | D1 | d | d1 | G | G1 | L | L1 | L2 | R | SW |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MC6 | 25 | 16 | 65 | 50 | 16 | 7 | M10 x 1.5 | 32 | 80 | 27 | 7 | G1/8" | 13 |
| | 32 | 20 | 75 | 58 | 20 | 9 | M12 x 1.5 | 40 | 85 | 30 | 10 | G1/4" | 17 |
| | 40 | 25 | 90 | 70 | 25 | 11 | M12 x 1.5 | 44 | 95 | 30 | 10 | G1/4" | 21 |
| | 50 | 28 | 100 | 80 | 28 | 11 | M16 x 2 | 57 | 100 | 40 | 10 | G1/4" | 24 |
| | 63 | 36 | 125 | 100 | 36 | 13 | M20 x 2.5 | 72 | 120 | 54 | 14 | G3/8" | 32 |
| | 80 | 45 | 160 | 130 | 45 | 17 | M27 x 3 | 92 | 130 | 64 | 14 | G1/2" | 40 |
| | 100 | 56 | 200 | 160 | 56 | 21 | M36 x 4 | 120 | 140 | 75 | 15 | G1/2" | 50 |

# Blok Silindir / Block Cylinder

# MC7




**Piston Çapı / Bore :** Ø25 – Ø100

**Mak. Çalışma Basıncı / Max. Working Pressure :** 0 – 500 Bar

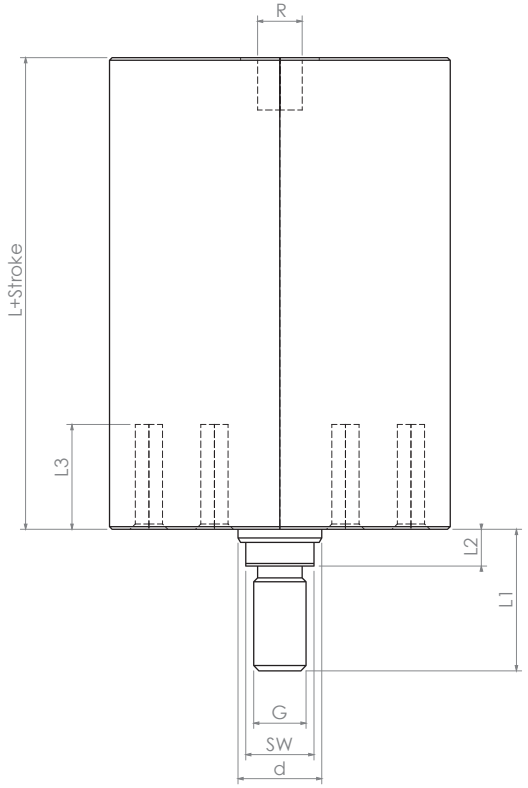
**Sızdırmazlık / Sealing :** Nbr – Pu – Viton

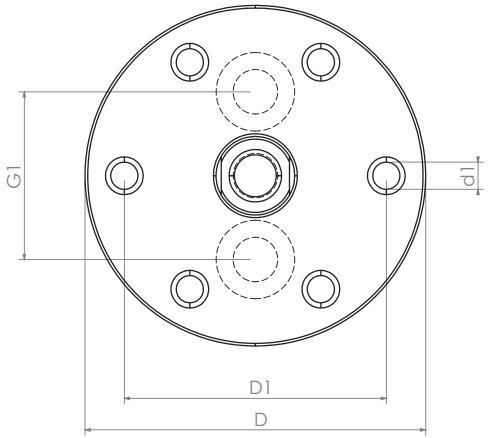
**Stroke (Opsiyon Mevcut / Option Available) :** 10mm – 200 mm

| | Ø Piston / Ø Bore | Ø Mil / Ø Rod | D | D1 | d | d1 | G | G1 | L | L1 | L2 | R | SW | L3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MC7 | 25 | 16 | 65 | 50 | 16 | M6 x 0.75 | M10 x 1.5 | 32 | 80 | 20 | 7 | G1/8" | 13 | 20 |
| | 32 | 20 | 75 | 58 | 20 | M8 x 1.5 | M12 x 1.5 | 40 | 85 | 20 | 10 | G1/4" | 17 | 20 |
| | 40 | 25 | 90 | 70 | 25 | M10 x 1.5 | M12 x 1.5 | 44 | 95 | 30 | 10 | G1/4" | 21 | 25 |
| | 50 | 28 | 100 | 80 | 28 | M10 x 1.5 | M16 x 2 | 57 | 100 | 35 | 10 | G1/4" | 24 | 25 |
| | 63 | 36 | 125 | 100 | 36 | M12 x 1.5 | M20 x 2.5 | 72 | 120 | 45 | 14 | G3/8" | 32 | 30 |
| | 80 | 45 | 160 | 130 | 45 | M16 x 2 | M27 x 3 | 92 | 130 | 55 | 14 | G1/2" | 40 | 40 |
| | 100 | 56 | 200 | 160 | 56 | M20 x 2.5 | M36 x 4 | 120 | 140 | 65 | 15 | G1/2" | 50 | 45 |

# MC8

## Blok Silindir / Block Cylinder



**Piston Çapı / Bore :** Ø25 – Ø100

**Mak. Çalışma Basıncı / Max. Working Pressure :** 0 – 500 Bar

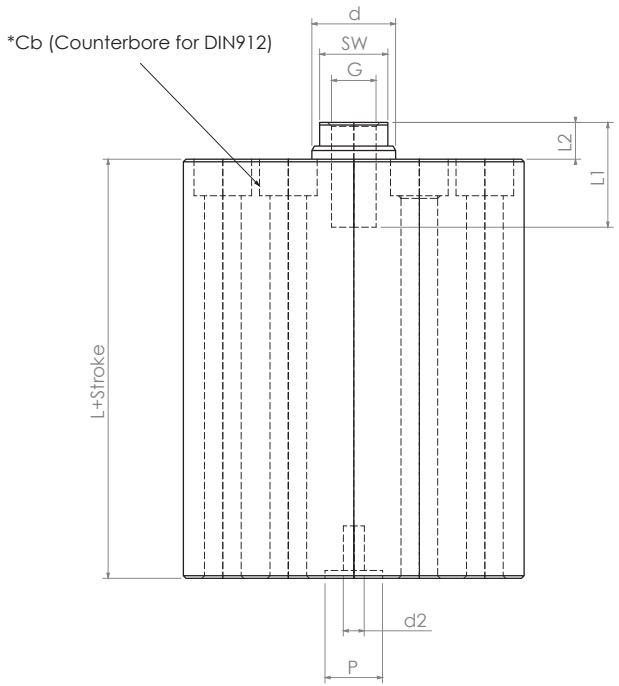
**Sızdırmazlık / Sealing :** Nbr – Pu – Viton

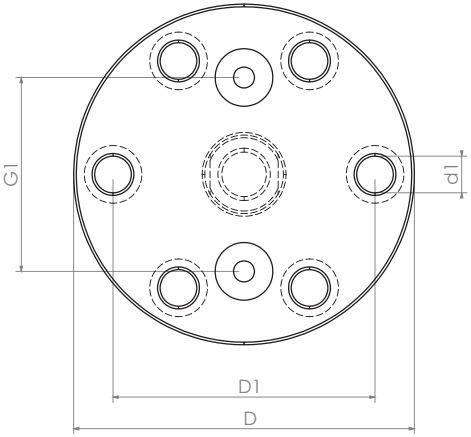
**Stroke (Opsiyon Mevcut / Option Available) :** 10mm – 200 mm

| | Ø Piston / Ø Bore | Ø Mil / Ø Rod | D | D1 | d | d1 | G | G1 | L | L1 | L2 | R | SW | L3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MC8 | 25 | 16 | 65 | 50 | 16 | M6 x 0.75 | M10 x 1.5 | 32 | 80 | 27 | 7 | G1/8" | 13 | 20 |
| | 32 | 20 | 75 | 58 | 20 | M8 x 1.5 | M12 x 1.5 | 40 | 85 | 30 | 10 | G1/4" | 17 | 20 |
| | 40 | 25 | 90 | 70 | 25 | M10 x 1.5 | M12 x 1.5 | 44 | 95 | 35 | 10 | G1/4" | 21 | 25 |
| | 50 | 28 | 100 | 80 | 28 | M10 x 1.5 | M16 x 2 | 57 | 100 | 40 | 10 | G1/4" | 24 | 25 |
| | 63 | 36 | 125 | 100 | 36 | M12 x 1.5 | M20 x 2.5 | 72 | 120 | 54 | 14 | G3/8" | 32 | 30 |
| | 80 | 45 | 160 | 130 | 45 | M16 x 2 | M27 x 3 | 92 | 130 | 64 | 14 | G1/2" | 40 | 40 |
| | 100 | 56 | 200 | 160 | 56 | M20 x 2.5 | M36 x 4 | 120 | 140 | 75 | 15 | G1/2" | 50 | 45 |

# Blok Silindir / Block Cylinder

# MC9




**Piston Çapı / Bore :** Ø25 – Ø100

**Mak. Çalışma Basıncı / Max. Working Pressure :** 0 – 500 Bar

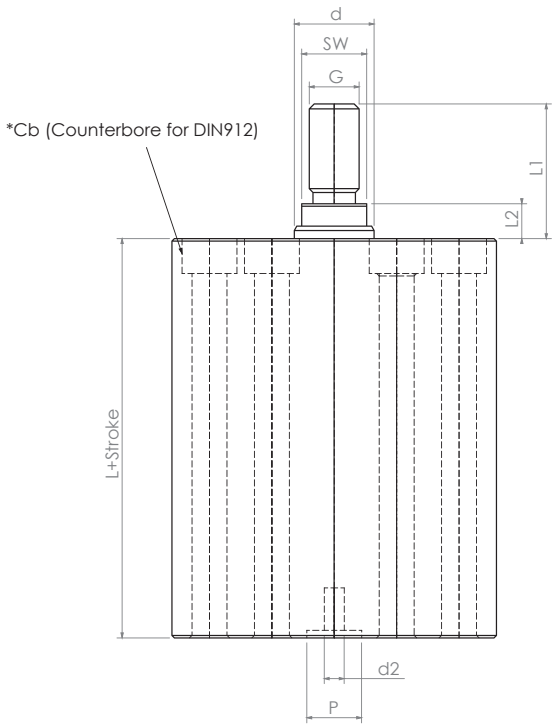
**Sızdırmazlık / Sealing :** Nbr – Pu – Viton

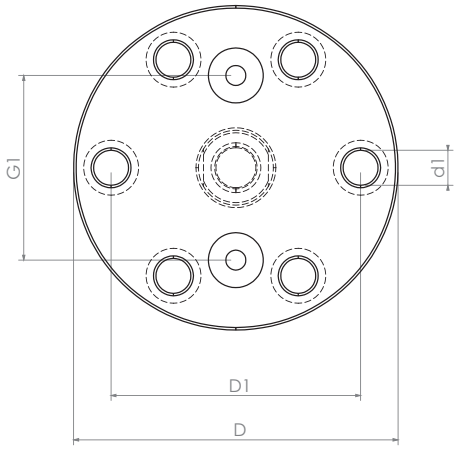
**Stroke (Opsiyon Mevcut / Option Available) :** 10mm – 200 mm

| | Ø Piston / Ø Bore | Ø Mil / Ø Rod | D | D1 | d | d1 | G | G1 | L | L1 | L2 | SW | p | d2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MC9 | 25 | 16 | 65 | 50 | 16 | 7 | M10 x 1.5 | 37 | 70 | 20 | 7 | 13 | 11 | 4 |
| | 32 | 20 | 75 | 58 | 20 | 9 | M12 x 1.5 | 46 | 75 | 20 | 10 | 17 | 11 | 4 |
| | 40 | 25 | 90 | 70 | 25 | 11 | M12 x 1.5 | 54 | 85 | 30 | 10 | 21 | 11 | 4 |
| | 50 | 28 | 100 | 80 | 28 | 11 | M16 x 2 | 66 | 90 | 35 | 10 | 24 | 14 | 5 |
| | 63 | 36 | 125 | 100 | 36 | 13 | M20 x 2.5 | 80 | 110 | 45 | 14 | 32 | 16 | 6 |
| | 80 | 45 | 160 | 130 | 45 | 17 | M27 x 3 | 100 | 120 | 55 | 14 | 40 | 20 | 7 |
| | 100 | 56 | 200 | 160 | 56 | 21 | M36 x 4 | 122 | 130 | 65 | 15 | 50 | 20 | 8 |

# MC10

## Blok Silindir / Block Cylinder



**Piston Çapı / Bore :** Ø25 – Ø100

**Mak. Çalışma Basıncı / Max. Working Pressure :** 0 – 500 Bar

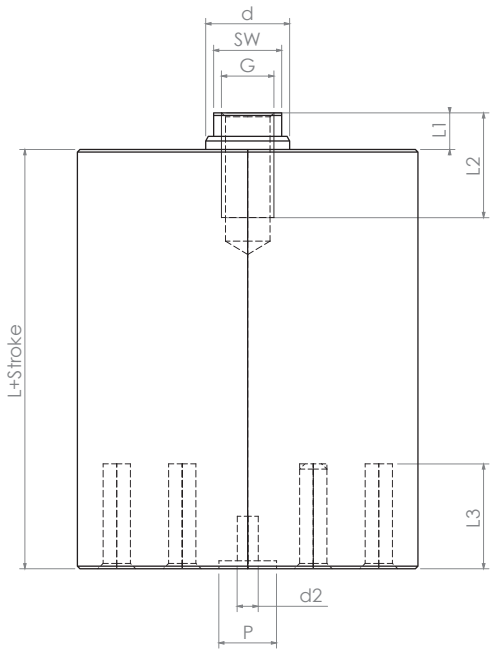
**Sızdırmazlık / Sealing :** Nbr – Pu – Viton

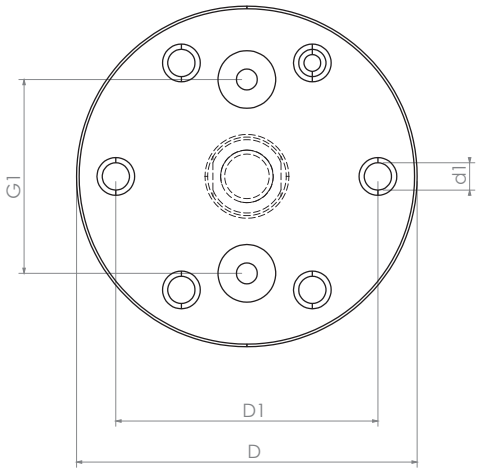
**Stroke (Opsiyon Mevcut / Option Available) :** 10mm – 200 mm

| | Ø Piston / Ø Bore | Ø Mil / Ø Rod | D | D1 | d | d1 | G | G1 | L | L1 | L2 | SW | p | d2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MC10 | 25 | 16 | 65 | 50 | 16 | 7 | M10 x 1.5 | 37 | 70 | 27 | 7 | 13 | 11 | 4 |
| | 32 | 20 | 75 | 58 | 20 | 9 | M12 x 1.5 | 46 | 75 | 30 | 10 | 17 | 11 | 4 |
| | 40 | 25 | 90 | 70 | 25 | 11 | M12 x 1.5 | 54 | 85 | 30 | 10 | 21 | 11 | 4 |
| | 50 | 28 | 100 | 80 | 28 | 11 | M16 x 2 | 66 | 90 | 40 | 10 | 24 | 14 | 5 |
| | 63 | 36 | 125 | 100 | 36 | 13 | M20 x 2.5 | 80 | 110 | 53,5 | 14 | 32 | 16 | 6 |
| | 80 | 45 | 160 | 130 | 45 | 17 | M27 x 3 | 100 | 120 | 64 | 14 | 40 | 20 | 7 |
| | 100 | 56 | 200 | 160 | 56 | 21 | M36 x 4 | 122 | 130 | 75 | 15 | 50 | 20 | 8 |

# Blok Silindir / Block Cylinder

# MC11




**Piston Çapı / Bore :** Ø25 – Ø100

**Mak. Çalışma Basıncı / Max. Working Pressure :** 0 – 500 Bar

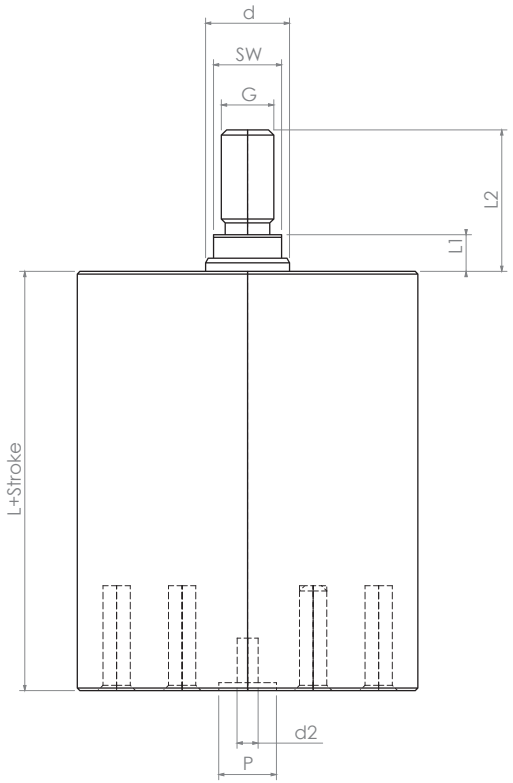
**Sızdırmazlık / Sealing :** Nbr – Pu – Viton

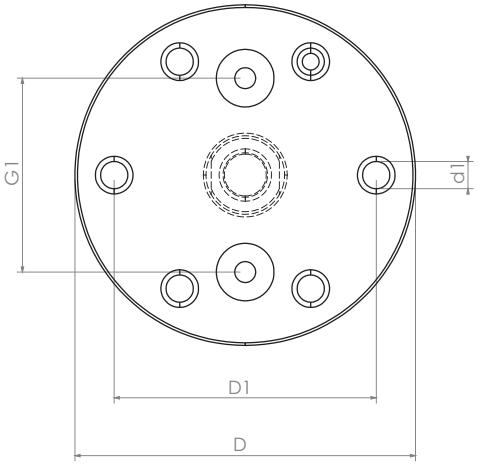
**Stroke (Opsiyon Mevcut / Option Available) :** 10mm – 200 mm

| | Ø Piston / Ø Bore | Ø Mil / Ø Rod | D | D1 | d | d1 | G | G1 | L | L1 | L2 | SW | p | d2 | L3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MC11 | 25 | 16 | 65 | 50 | 16 | M6 x 0.75 | M10 x 1.5 | 37 | 70 | 20 | 7 | 13 | 11 | 4 | 20 |
| | 32 | 20 | 75 | 58 | 20 | M8 x 1.5 | M12 x 1.5 | 46 | 75 | 20 | 10 | 17 | 11 | 4 | 20 |
| | 40 | 25 | 90 | 70 | 25 | M10 x 1.5 | M12 x 1.5 | 54 | 85 | 30 | 10 | 21 | 11 | 4 | 30 |
| | 50 | 28 | 100 | 80 | 28 | M10 x 1.5 | M16 x 2 | 66 | 90 | 35 | 10 | 24 | 14 | 5 | 30 |
| | 63 | 36 | 125 | 100 | 36 | M12 x 1.5 | M20 x 2.5 | 80 | 110 | 45 | 14 | 32 | 16 | 6 | 35 |
| | 80 | 45 | 160 | 130 | 45 | M16 x 2 | M27 x 3 | 100 | 120 | 55 | 14 | 40 | 20 | 7 | 40 |
| | 100 | 56 | 200 | 160 | 56 | M20 x 2.5 | M36 x 4 | 122 | 130 | 65 | 15 | 50 | 20 | 8 | 40 |

# MC12

## Blok Silindir / Block Cylinder



**Piston Çapı / Bore :** Ø25 – Ø100

**Mak. Çalışma Basıncı / Max. Working Pressure :** 0 – 500 Bar

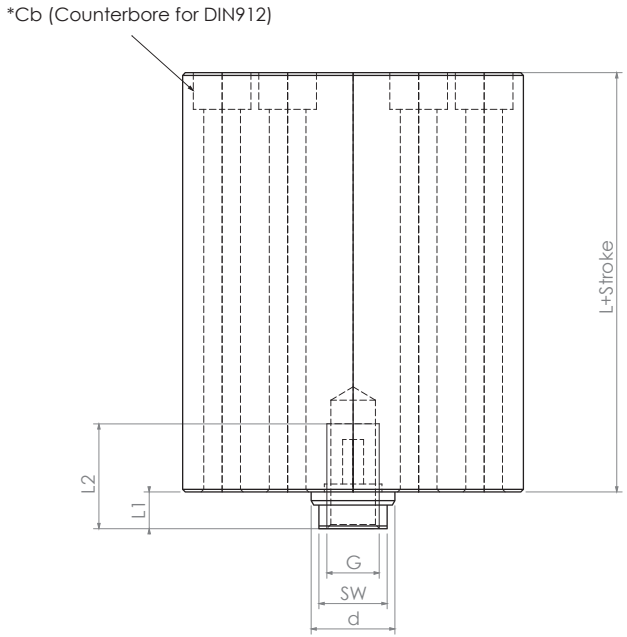
**Sızdırmazlık / Sealing :** Nbr – Pu – Viton

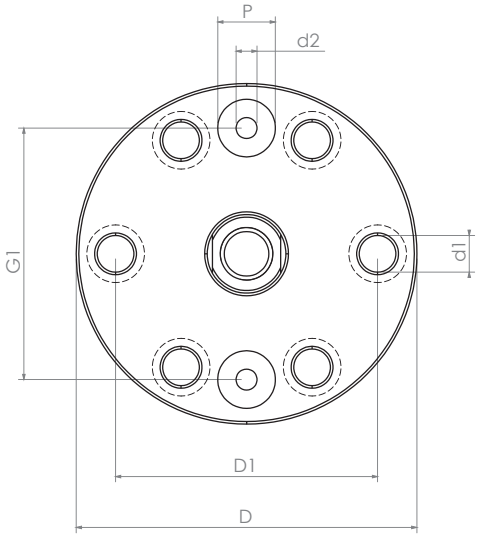
**Stroke (Opsiyon Mevcut / Option Available) :** 10mm – 200 mm

| | Ø Piston / Ø Bore | Ø Mil / Ø Rod | D | D1 | d | d1 | G | G1 | L | L1 | L2 | SW | p | d2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MC12 | 25 | 16 | 65 | 50 | 16 | M6 x 0.75 | M10 x 1.5 | 37 | 70 | 27 | 7 | 13 | 11 | 4 |
| | 32 | 20 | 75 | 58 | 20 | M8 x 1.5 | M12 x 1.5 | 46 | 75 | 30 | 10 | 17 | 11 | 4 |
| | 40 | 25 | 90 | 70 | 25 | M10 x 1.5 | M12 x 1.5 | 54 | 85 | 30 | 10 | 21 | 11 | 4 |
| | 50 | 28 | 100 | 80 | 28 | M10 x 1.5 | M16 x 2 | 66 | 90 | 40 | 10 | 24 | 14 | 5 |
| | 63 | 36 | 125 | 100 | 36 | M12 x 1.5 | M20 x 2.5 | 80 | 110 | 54 | 14 | 32 | 16 | 6 |
| | 80 | 45 | 160 | 130 | 45 | M16 x 2 | M27 x 3 | 100 | 120 | 64 | 14 | 40 | 20 | 7 |
| | 100 | 56 | 200 | 160 | 56 | M20 x 2.5 | M36 x 4 | 122 | 130 | 75 | 15 | 50 | 20 | 8 |

# Blok Silindir / Block Cylinder

# MC13




**Piston Çapı / Bore :** Ø25 – Ø100

**Mak. Çalışma Basıncı / Max. Working Pressure :** 0 – 500 Bar

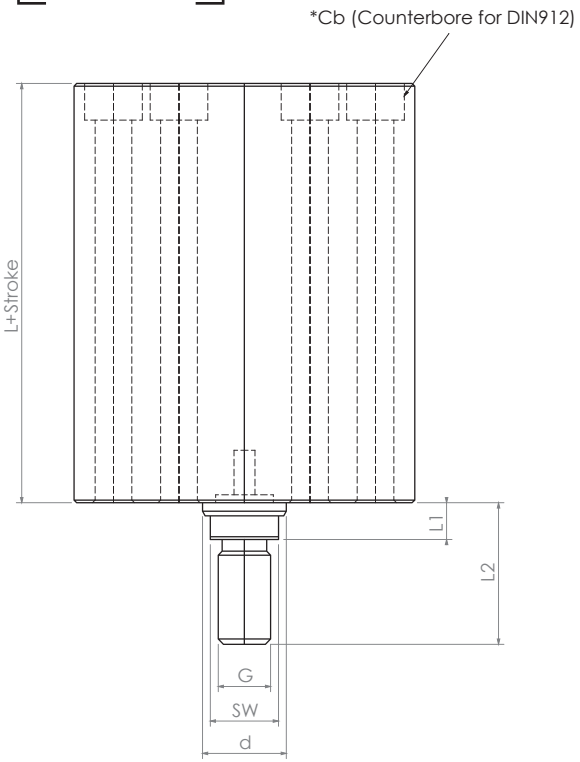
**Sızdırmazlık / Sealing :** Nbr – Pu – Viton

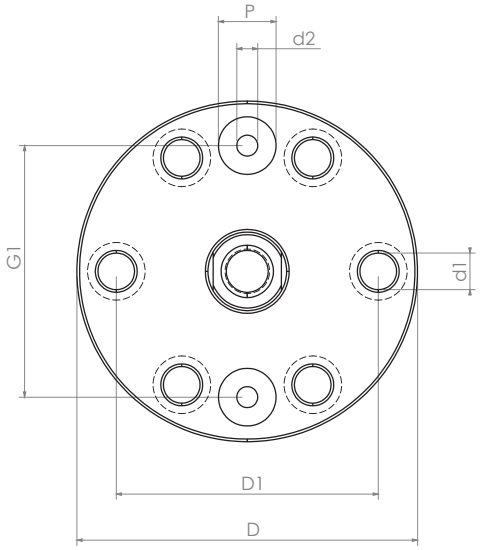
**Stroke (Opsiyon Mevcut / Option Available) :** 10mm – 200 mm

| | Ø Piston / Ø Bore | Ø Mil / Ø Rod | D | D1 | d | d1 | G | G1 | L | L1 | L2 | SW | p | d2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MC13 | 25 | 16 | 65 | 50 | 16 | 7 | M10 x 1.5 | 48 | 70 | 20 | 7 | 13 | 11 | 4 |
| | 32 | 20 | 75 | 58 | 20 | 9 | M12 x 1.5 | 56 | 75 | 20 | 10 | 17 | 11 | 4 |
| | 40 | 25 | 90 | 70 | 25 | 11 | M12 x 1.5 | 64 | 85 | 30 | 10 | 21 | 11 | 4 |
| | 50 | 28 | 100 | 80 | 28 | 11 | M16 x 2 | 76 | 90 | 35 | 10 | 24 | 14 | 5 |
| | 63 | 36 | 125 | 100 | 36 | 13 | M20 x 2.5 | 95 | 110 | 45 | 14 | 32 | 16 | 6 |
| | 80 | 45 | 160 | 130 | 45 | 17 | M27 x 3 | 120 | 120 | 55 | 14 | 40 | 20 | 7 |
| | 100 | 56 | 200 | 160 | 56 | 21 | M36 x 4 | 150 | 130 | 65 | 15 | 50 | 20 | 8 |

# MC14

## Blok Silindir / Block Cylinder



**Piston Çapı / Bore :** Ø25 – Ø100

**Mak. Çalışma Basıncı / Max. Working Pressure :** 0 – 500 Bar

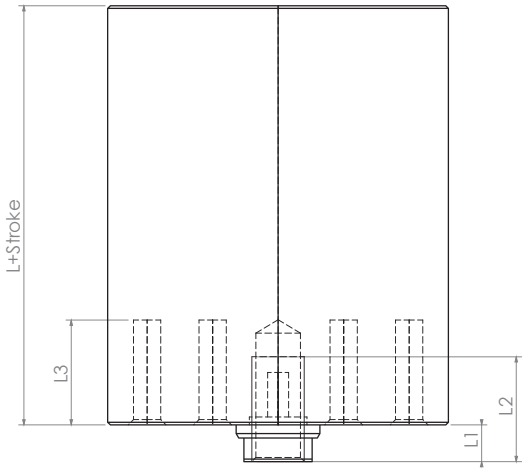
**Sızdırmazlık / Sealing :** Nbr – Pu – Viton

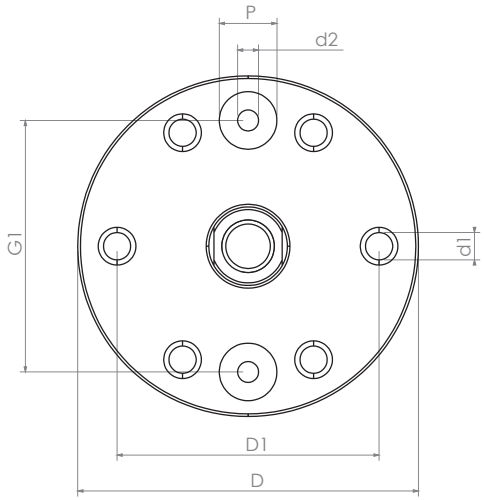
**Stroke (Opsiyon Mevcut / Option Available) :** 10mm – 200 mm

| | Ø Piston / Ø Bore | Ø Mil / Ø Rod | D | D1 | d | d1 | G | G1 | L | L1 | L2 | SW | p | d2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MC14 | 25 | 16 | 65 | 50 | 16 | 7 | M10 x 1.5 | 48 | 70 | 27 | 7 | 13 | 11 | 4 |
| | 32 | 20 | 75 | 58 | 20 | 9 | M12 x 1.5 | 56 | 75 | 30 | 10 | 17 | 11 | 4 |
| | 40 | 25 | 90 | 70 | 25 | 11 | M12 x 1.5 | 64 | 85 | 30 | 10 | 21 | 11 | 4 |
| | 50 | 28 | 100 | 80 | 28 | 11 | M16 x 2 | 76 | 90 | 40 | 10 | 24 | 14 | 5 |
| | 63 | 36 | 125 | 100 | 36 | 13 | M20 x 2.5 | 95 | 110 | 54 | 14 | 32 | 16 | 6 |
| | 80 | 45 | 160 | 130 | 45 | 17 | M27 x 3 | 120 | 120 | 64 | 14 | 40 | 20 | 7 |
| | 100 | 56 | 200 | 160 | 56 | 21 | M36 x 4 | 150 | 130 | 75 | 15 | 50 | 20 | 8 |

# Blok Silindir / Block Cylinder

# MC15




**Piston Çapı / Bore :** Ø25 – Ø100

**Mak. Çalışma Basıncı / Max. Working Pressure :** 0 – 500 Bar

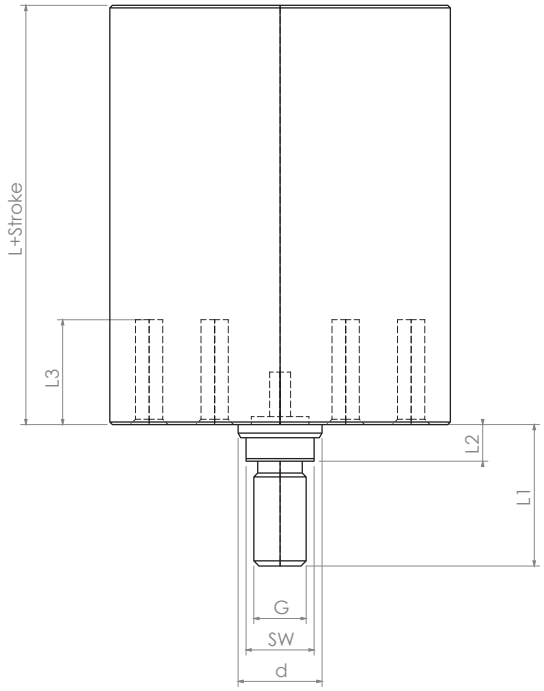
**Sızdırmazlık / Sealing :** Nbr – Pu – Viton

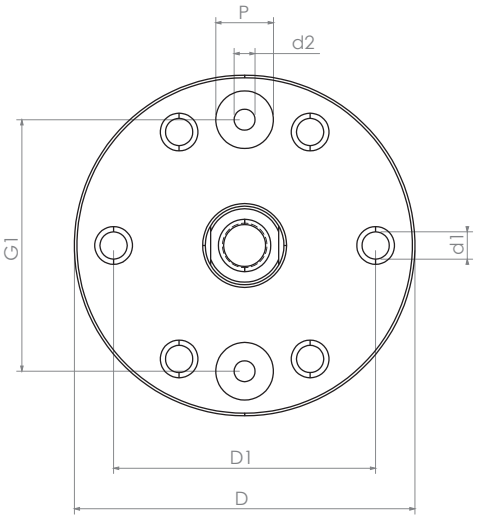
**Stroke (Opsiyon Mevcut / Option Available) :** 10mm – 200 mm

| | Ø Piston / Ø Bore | Ø Mil / Ø Rod | D | D1 | d | d1 | G | G1 | L | L1 | L2 | SW | p | d2 | L3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MC15 | 25 | 16 | 65 | 50 | 16 | M6 x 0.75 | M10 x 1.5 | 48 | 70 | 20 | 7 | 13 | 11 | 4 | 20 |
| | 32 | 20 | 75 | 58 | 20 | M8 x 1.5 | M12 x 1.5 | 56 | 75 | 20 | 10 | 17 | 11 | 4 | 20 |
| | 40 | 25 | 90 | 70 | 25 | M10 x 1.5 | M12 x 1.5 | 64 | 85 | 30 | 10 | 21 | 11 | 4 | 30 |
| | 50 | 28 | 100 | 80 | 28 | M10 x 1.5 | M16 x 2 | 76 | 90 | 35 | 10 | 24 | 14 | 5 | 30 |
| | 63 | 36 | 125 | 100 | 36 | M12 x 1.5 | M20 x 2.5 | 95 | 110 | 45 | 14 | 32 | 16 | 6 | 35 |
| | 80 | 45 | 160 | 130 | 45 | M16 x 2 | M27 x 3 | 120 | 120 | 55 | 14 | 40 | 20 | 7 | 40 |
| | 100 | 56 | 200 | 160 | 56 | M20 x 2.5 | M36 x 4 | 150 | 130 | 65 | 15 | 50 | 20 | 8 | 40 |

# MC16

## Blok Silindir / Block Cylinder



**Piston Çapı / Bore :** Ø25 – Ø100

**Mak. Çalışma Basıncı / Max. Working Pressure :** 0 – 500 Bar

**Sızdırmazlık / Sealing :** Nbr – Pu – Viton

**Stroke (Opsiyon Mevcut / Option Available) :** 10mm – 200 mm

| | Ø Piston / Ø Bore | Ø Mil / Ø Rod | D | D1 | d | d1 | G | G1 | L | L1 | L2 | SW | p | d2 | L3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MC16 | 25 | 16 | 65 | 50 | 16 | M6 x 0.75 | M10 x 1.5 | 48 | 70 | 27 | 7 | 13 | 11 | 4 | 20 |
| | 32 | 20 | 75 | 58 | 20 | M8 x 1.5 | M12 x 1.5 | 56 | 75 | 30 | 10 | 17 | 11 | 4 | 20 |
| | 40 | 25 | 90 | 70 | 25 | M10 x 1.5 | M12 x 1.5 | 64 | 85 | 30 | 10 | 21 | 11 | 4 | 30 |
| | 50 | 28 | 100 | 80 | 28 | M10 x 1.5 | M16 x 2 | 76 | 90 | 40 | 10 | 24 | 14 | 5 | 30 |
| | 63 | 36 | 125 | 100 | 36 | M12 x 1.5 | M20 x 2.5 | 95 | 110 | 54 | 14 | 32 | 16 | 6 | 35 |
| | 80 | 45 | 160 | 130 | 45 | M16 x 2 | M27 x 3 | 120 | 120 | 64 | 14 | 40 | 20 | 7 | 40 |
| | 100 | 56 | 200 | 160 | 56 | M20 x 2.5 | M36 x 4 | 150 | 130 | 75 | 15 | 50 | 20 | 8 | 40 |

## Notlar / Notes

İleri teknoloji, sınırsız potansiyel | advanced technology, unlimited potential

ÖZKAR
HYDRAULIC-PNEUMATIC

Akçaburgaz, Ahmet Yesevi Caddesi 35 / 38
P.K. 34480 Esenyurt, İstanbul / Türkiye
+90 212 501 2391 / info@ozkarhidrolik.com

HYDRAULIC-PNEUMATIC