

| Referans Nr. | Temp. up to | Piston Ø D (mm) | Rod Ø d (mm) | Force to pull at 100 bar (kgf) | Force to pull at 500 bar (kgf) | Spring return force, min. (N) | Oil volume per 10 mm stroke (cm <sup>3</sup> ) | a (mm) | b (mm) | c (mm) | f (mm) | g (mm) | h (mm) | k (mm) | m (mm) | n (mm) | o      | p    | r (mm) | s (mm) | t (mm) | SW (mm) | Stroke ± 1 (mm) | l ± 1 (mm) | Ağırlık (kg) |
|--------------|-------------|-----------------|--------------|--------------------------------|--------------------------------|-------------------------------|------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|--------|--------|---------|-----------------|------------|--------------|
| 1057-010016  | 100 °C      | 16              | 10           | 110                            | 600                            | 40                            | 1.22                                           | 60     | 35     | 22     | 30     | 6.5    | 30     | 17.5   | 16.5   | 11     | M6x12  | G1/4 | -      | 40     | 22     | 8       | 8               | 78         | 0.8          |
| 1057-015016  | 150 °C      |                 |              |                                |                                |                               |                                                |        |        |        |        |        |        |        |        |        |        |      |        |        |        |         |                 |            |              |
| 1057-010025  | 100 °C      | 25              | 16           | 270                            | 1430                           | 140                           | 2.90                                           | 65     | 45     | 27     | 50     | 8.5    | 33     | 22.5   | 18     | 11     | M10x15 | G1/4 | -      | 50     | 30     | 13      | 8               | 91         | 1.2          |
| 1057-015025  | 150 °C      |                 |              |                                |                                |                               |                                                |        |        |        |        |        |        |        |        |        |        |      |        |        |        |         |                 |            |              |
| 1057-010032  | 100 °C      | 32              | 20           | 460                            | 2420                           | 195                           | 4.90                                           | 75     | 55     | 35     | 55     | 10.5   | 38     | 27.5   | 22     | 11     | M12x15 | G1/4 | -      | 55     | 35     | 17      | 10              | 110        | 1.8          |
| 1057-015032  | 150 °C      |                 |              |                                |                                |                               |                                                |        |        |        |        |        |        |        |        |        |        |      |        |        |        |         |                 |            |              |
| 1057-010040  | 100 °C      | 40              | 25           | 730                            | 3790                           | 270                           | 7.65                                           | 85     | 63     | 35     | 63     | 10.5   | 40     | 31.5   | 24     | 11     | M16x25 | G1/4 | 4      | 63     | 40     | -       | 10              | 114        | 2.6          |
| 1057-015040  | 150 °C      |                 |              |                                |                                |                               |                                                |        |        |        |        |        |        |        |        |        |        |      |        |        |        |         |                 |            |              |
| 1057-010050  | 100 °C      | 50              | 32           | 1100                           | 5730                           | 440                           | 11.60                                          | 100    | 75     | 35     | 76     | 13     | 44     | 37.5   | 27     | 13     | M20x25 | G1/4 | 4      | 76     | 45     | -       | 12              | 125        | 3.8          |
| 1057-015050  | 150 °C      |                 |              |                                |                                |                               |                                                |        |        |        |        |        |        |        |        |        |        |      |        |        |        |         |                 |            |              |
| 1057-010063  | 100 °C      | 63              | 40           | 1790                           | 9230                           | 430                           | 18.60                                          | 125    | 95     | 44     | 95     | 17     | 50     | 47.5   | 26     | 17     | M27x40 | G1/2 | 4      | 95     | 65     | -       | 12              | 146        | 6.7          |
| 1057-015063  | 150 °C      |                 |              |                                |                                |                               |                                                |        |        |        |        |        |        |        |        |        |        |      |        |        |        |         |                 |            |              |
| 1057-010080  | 100 °C      | 80              | 50           | 2920                           | 15180                          | 760                           | 30.63                                          | 160    | 120    | 46     | 120    | 21     | 60     | 60     | 34     | 21     | M30x40 | G1/2 | 5      | 120    | 80     | -       | 12              | 193        | 12.8         |
| 1057-015080  | 150 °C      |                 |              |                                |                                |                               |                                                |        |        |        |        |        |        |        |        |        |        |      |        |        |        |         |                 |            |              |
| 1057-100100  | 100 °C      | 100             | 63           | 4560                           | 23500                          | 1200                          | 47.36                                          | 200    | 150    | 55     | 158    | 25     | 64     | 75     | 35     | 25     | M42x60 | G1/2 | 6      | 158    | 108    | -       | 12              | 185        | 24           |
| 1057-150100  | 150 °C      |                 |              |                                |                                |                               |                                                |        |        |        |        |        |        |        |        |        |        |      |        |        |        |         |                 |            |              |

**Ürün Nr. 1057 Çekme Tipi Silindir**
**Product Nr. 1057 Pull-Type Cylinder**

- Uzunluk ve açı ölçüleri DIN 7168-m'ye göredir.
- Tolerances for length and angle dimensions as per DIN 7168-m

**Malzeme**

- Piston malzemesi: ısıtılmış çelik, sertleştirilmiş
- Silindir gövdesi: yüksek alaşımlı çelik veya GGG-40

**Material**

- Piston material: case-hardening steel, hardened
- Cylinder body: high alloy steel or GGG-40

**Önemli Notlar**

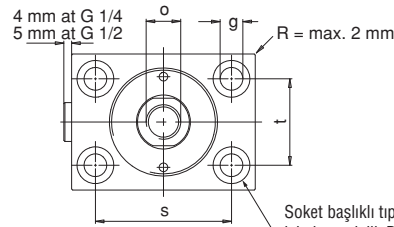
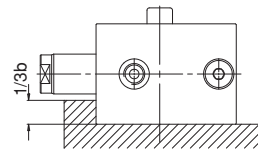
Eğer sinterli metalin hava filtresinden silindirin içine, agresif talaş kaldırmadan dolayı, yağ veya soğutma suyu girme olasılığı var ise, bir hava deliği hortumu bağlanıp korunaklı bir pozisyona yerleştirilmeli.

**Important notes**

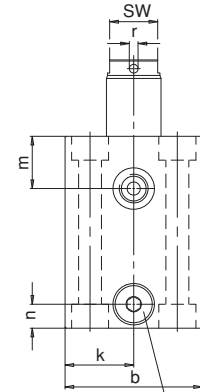
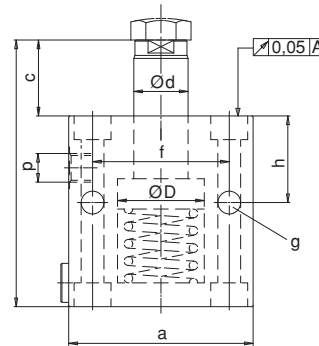
If there is a possibility that aggressive cutting lubricants and coolants penetrate through the sintered metal air filter into the cylinder's interior, a vent hose has to be connected and be placed in a protected position.

250 barı aşan çalışma basınçlarında silindirlere önden destekli olmalıdır.

Cylinders must be supported at the front for operating pressures exceeding 250 bar



Soket başlıklı tıpa civatası için karşı delik DIN 912  
Counterbore for socket head cap screw DIN 912



Sinter metalden hava filtreli soket yeri  
Bleeding by plug with sintered metal air filter