

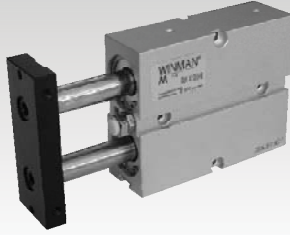
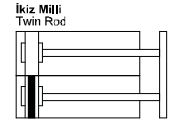
TN - İKİZ SİLİNDİRLER / TN - TWIN CYLINDERS

SİPARİŞ KODU / ORDERING CODE

SEMBOLE / SYMBOL

TN 000 X 000

→ Strok-mm / Stroke-mm
→ Nominal Çap-mm / Piston Dia-mm
→ Seri / Serie



SENSÖRLER / SENSORS

KT-11 (Sy/Pg:3-03)

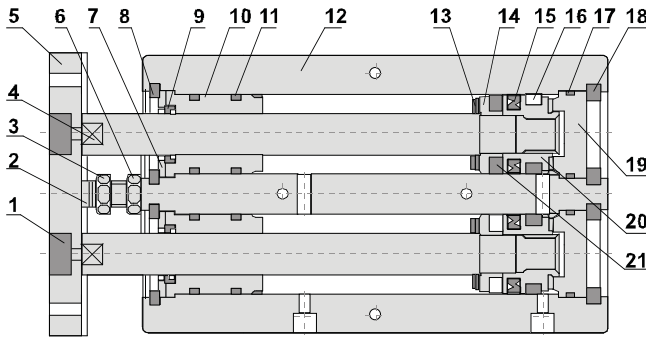
STROK LİSTESİ / STROKE LIST

| Piston Ø | Standart Strok / Standart Stroke | | | | | | | | | | | Max. Strok | Ulaşılabilir Strok |
|----------|----------------------------------|----|----|----|----|----|----|----|----|-----|-----|------------|--------------------|
| 10 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | - | - | - | - | 70 | 100 |
| 16 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 125 | 150 | 200 |
| 20 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 125 | 150 | 200 |
| 25 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 125 | 150 | 200 |
| 32 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 125 | 150 | 200 |

ÖZELLİKLER / SPECIFICATION

| Piston Ø | 10 | 16 | 20 | 25 | 32 |
|--|---|----|--------|----|------|
| Çalışma Tipi / Action | Çift Etkili / Double Acting | | | | |
| Akışkan / Fluid | 40µ Filtrelenmiş Hava / Air to be filtered by 40µ | | | | |
| Basınç Aralığı / Pressure range | 1.0 ~ 9.0bar / 0.1 ~ 0.9MPa / 14 ~ 128Psi | | | | |
| Test Basıncı / Proof range | 15.0bar / 1.5MPa / 213Psi | | | | |
| Sıcaklık Aralığı / Temperature range (C°) | -5 ~ 70 | | | | |
| Hız Aralığı / Speed range (mm/s) | 100 ~ 500 | | | | |
| Ayarlanabilir Strok / Adjustable Stroke (mm) | -10 ~ 0 | | | | |
| Yastıklama / Cushioning | Tampon / Bumper | | | | |
| Dönmezlik Toleransı / Non-Rotate tolerance | ± 0.4° | | ± 0.3° | | |
| Bağlatı Ölçüsü / Port size | M5 x 0.8 | | | | 1/8" |

İÇ YAPISI / INNER STRUCTURE



| No | Parça / Item | No | Parça / Item |
|----|---|----|---------------------------------|
| 1 | Civata / Screw | 2 | Tampon / Bumper |
| 3 | Ayarlama Civatası / Adjustable screw | 4 | Mil / Rod |
| 5 | Sabitleme Plakası / Fixing plate | 6 | Civata / Screw |
| 7 | Ön Kapak Rondelası / Front cover washer | 8 | Segman / C clip |
| 9 | Ön Kapak Contası / Front cover gasket | 10 | Ön Kapak / Front Cover |
| 11 | Ön Kapak Oringi / Front cover O-ring | 12 | Gövde / Body |
| 13 | Tampon / Bumper | 14 | Manyetik Tutucu / Magnet holder |
| 15 | Piston Oringi / Piston O-ring | 16 | Aşınma Plakası / Wearing ring |
| 17 | Arka Kapak Oringi / Back Cover O-ring | 18 | Segman / C clip |
| 19 | Arka Kapak / Back Cover | 20 | Piston / Piston |
| 21 | Manyetik Halka / Magnet | | |

ÖNEMLİ PARÇALARIN MALZEMELERİ / MATERIAL OF MAJOR PARTS

| Piston Ø | 10 | 16 | 20 | 25 | 32 |
|---|--|----|----|----|----|
| Piston / Piston | Alüminyum Alaşım / Aluminum alloy | | | | |
| Gövde / Body | Alüminyum Alaşım / Aluminum alloy | | | | |
| Mil / Rod | 20µ Sert Krom Kaplı Karbon Çeliği / Carbon steel with 20µ hard chrome plated | | | | |
| Arka Kapak Contası / Front cover gasket | NBR | | | | |
| Piston Oringi / Piston O-ring | NBR | | | | |
| Arka ve Ön Kapak Oringi / Front and back cover O-ring | NBR | | | | |
| Tampon / Bumper | PU | | | | |
| Ön kapak Rondelası / Front cover washer | Bakır / Copper | | | | |
| Sabitleme Plakası / Fixing plate | Çelik / Steel | | | | |
| Yastık İğnesi / Cushion needle | Bakır / Copper | | | | |
| Segman / C clip | Yay Çeliği / Spring Steel | | | | |
| Ön Kapak / Front Cover | Alüminyum Alaşım / Aluminum alloy | | | | |
| Arka Kapak / Back Cover | Alüminyum Alaşım / Aluminum alloy | | | | |
| Manyetik Halka / Magnet | Plastik / Plastic | | | | |

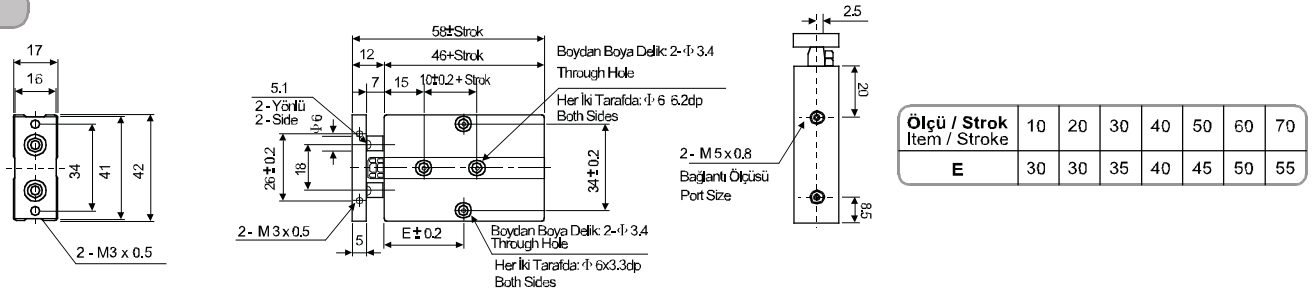
TN - İkiz Silindirler / TN - Twin Cylinders

Teorik Kuvvet / Theoretical Force (kg)

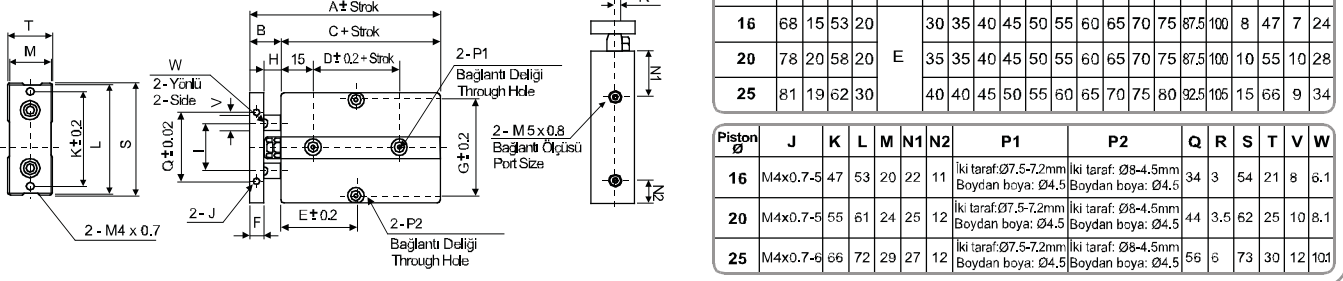
| Piston Ø | 10 | | 16 | | 20 | | 25 | | 32 | |
|---|--------------------------------|---------------------------------|--------------------------------|---------------------------------|--------------------------------|---------------------------------|--------------------------------|---------------------------------|--------------------------------|---------------------------------|
| Ø Mil / Rod Size (mm) | 6 | | 8 | | 10 | | 12 | | 16 | |
| Çalışma Tipi / Acting Type | Çift Etkili / Double Acting | | Çift Atkili / Double Acting | | Çift Etkili / Double Acting | | Çift Etkili / Double Acting | | Çift Etkili / Double Acting | |
| | İtme kuvveti Push side (kg) | Çekme kuvveti Pull side (kg) | İtme kuvveti Push side (kg) | Çekme kuvveti Pull side (kg) | İtme kuvveti Push side (kg) | Çekme kuvveti Pull side (kg) | İtme kuvveti Push side (kg) | Çekme kuvveti Pull side (kg) | İtme kuvveti Push side (kg) | Çekme kuvveti Pull side (kg) |
| Etkin Alan / Pressure Area (cm ²) | 1.57 | 1.00 | 4.02 | 3.01 | 6.28 | 4.71 | 9.81 | 7.55 | 16.07 | 12.05 |
| Çalışma Basıncı Operating Pressure (Bar) | 1 | - | 4.1 | 3.07 | 6.40 | 4.80 | 10.0 | 7.70 | 16.39 | 12.29 |
| | 2 | 3.20 | 2.04 | 8.20 | 6.14 | 12.81 | 9.60 | 20.01 | 15.40 | 32.78 |
| | 3 | 4.79 | 3.06 | 12.30 | 9.21 | 19.21 | 14.41 | 30.01 | 23.10 | 49.17 |
| | 4 | 6.40 | 4.08 | 16.40 | 12.28 | 25.62 | 19.21 | 40.02 | 30.80 | 65.56 |
| | 5 | 7.99 | 5.1 | 20.50 | 15.35 | 32.02 | 24.02 | 50.03 | 38.50 | 81.95 |
| | 6 | 9.60 | 6.12 | 24.60 | 18.42 | 38.43 | 28.82 | 60.03 | 46.20 | 98.34 |
| | 7 | 11.2 | 7.14 | 28.70 | 21.49 | 44.83 | 33.62 | 70.04 | 53.90 | 114.74 |

Teknik Çizimler / Technical Drawings

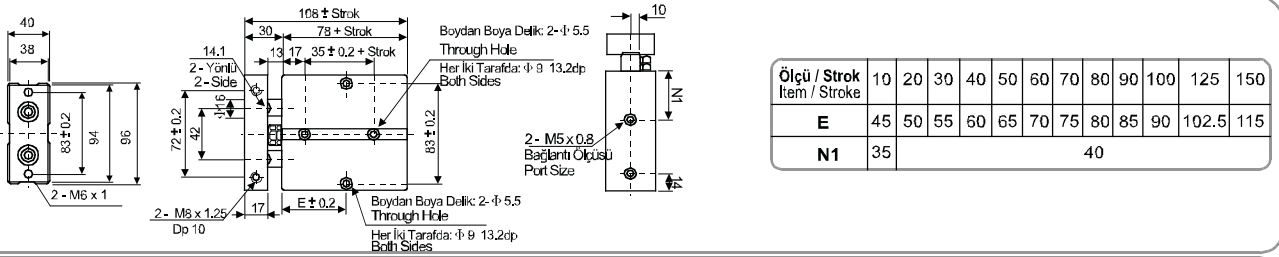
Ø10



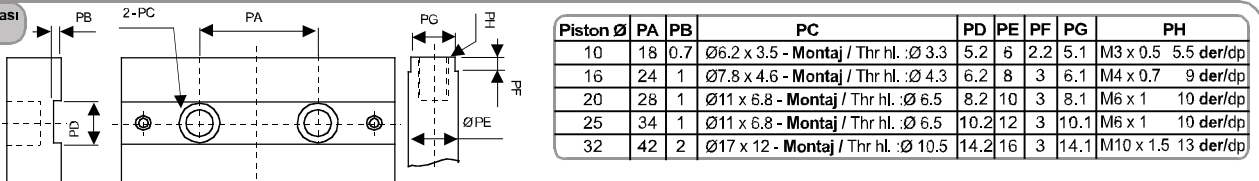
Ø16-Ø25



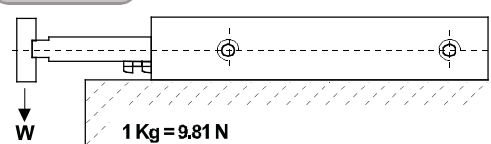
Ø32



**Sabitlenme Plakası
Fixing Plate**



**Yükleme Grafiği
Load Graphic**



• Eğer silindir gövdesi şeklindeki gibi bağlanırsa ,
yüklenilecek maksimum ağırlık, W, yandaki grafikte
belirtildiği gibi olmalıdır.

• If the cylinder body is mounted as shown in the drawing, the
max. Weight of allowable side-load, W, must be below the value
given in the graph right.

