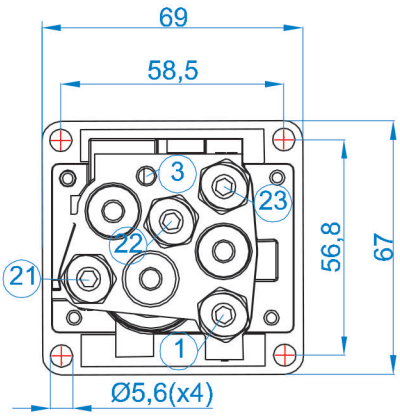
KOZANOĞLU
KOZMAKSAN

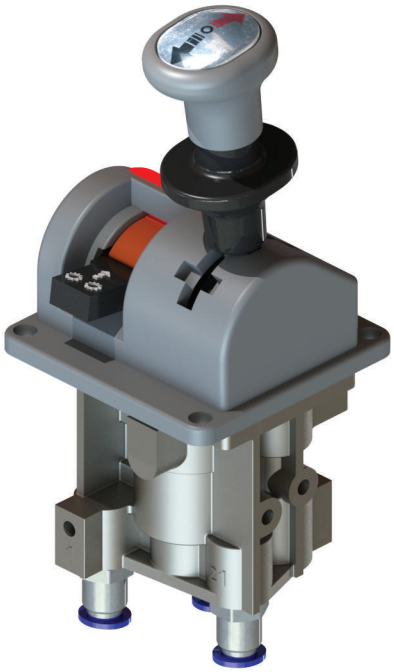
order@kozmaksan.com.tr
www.kozmaksan.net

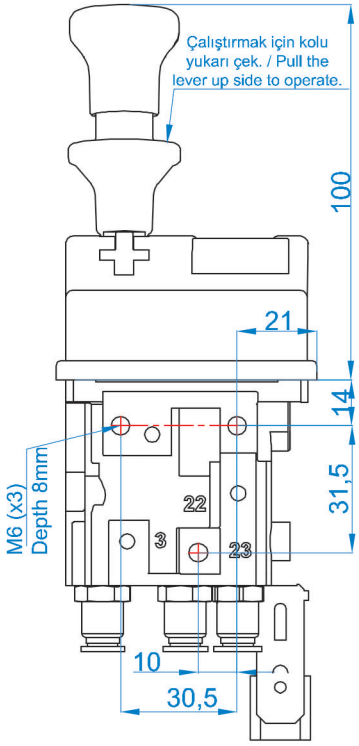
# Válvula de Controle de Ar
# Catálogo Técnico

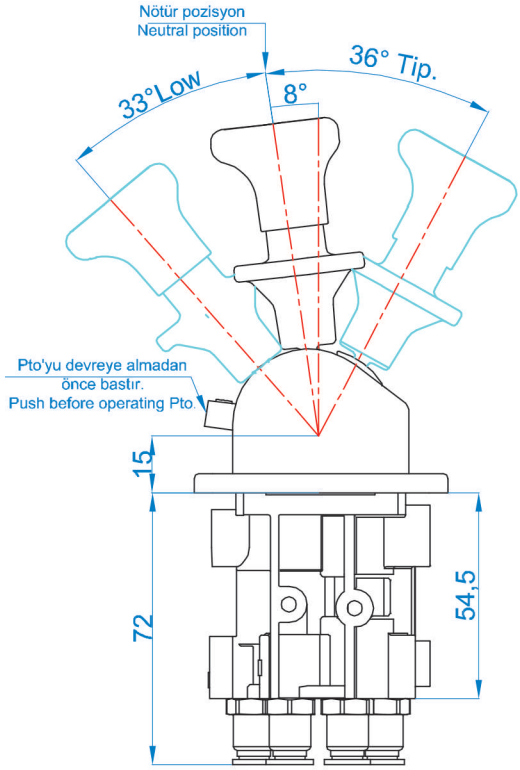


joystick oransal hava kontrol
## joystick proportional air control

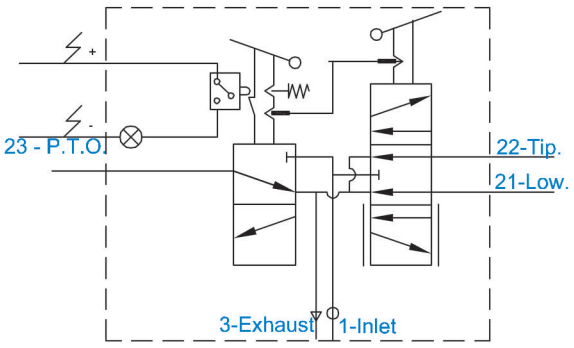





Pnömatik Sembol
Pneumatic Symbol




| Açıklama / Explanation | |
|---|---|
| 1 | Hava girişi / Air inlet |
| 3 | Hava tahliye / Air exhaust |
| 21 | İndirme / Lowering |
| 22 | Kaldırma / Tipping |
| 23 | P.T.O |

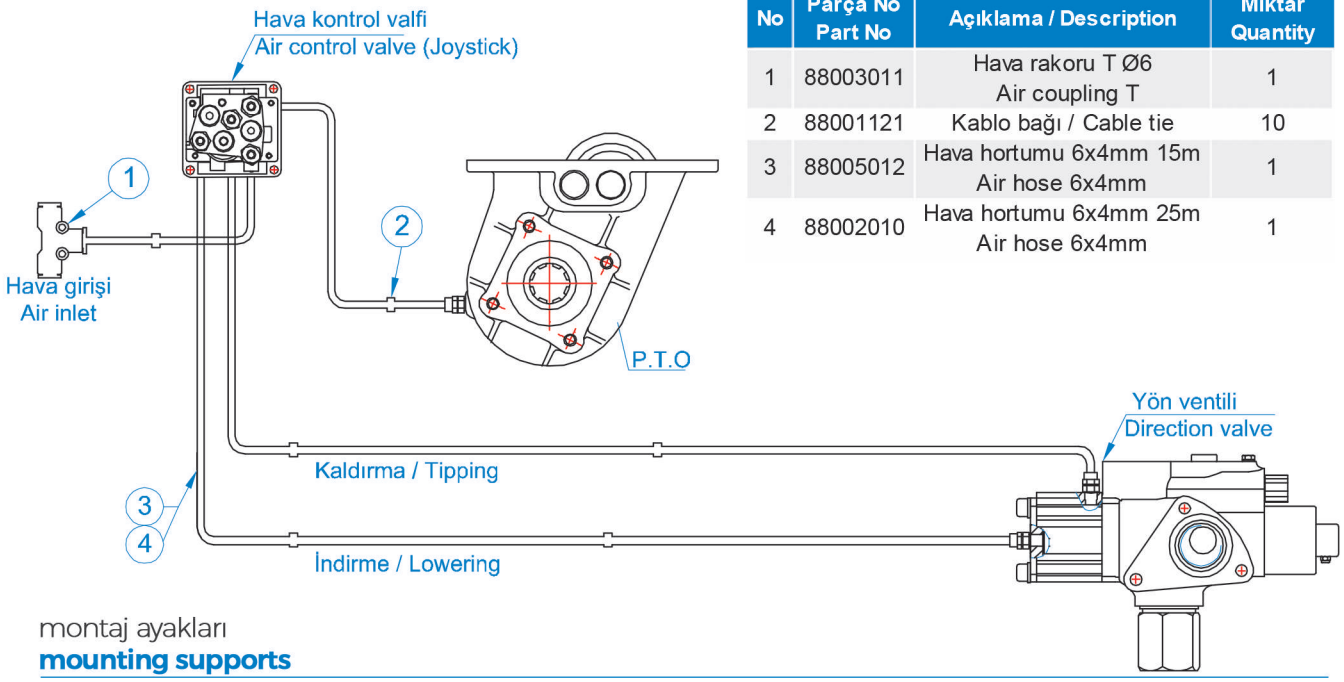
| Teknik özellikleri<br>Technical specifications | |
|---|---|
| Maks. hava basıncı<br>Max. air pressure | 10 bar |
| Min. hava basıncı<br>Min. air pressure | 5 bar |
| Çalışma sıcaklığı<br>Working Temperature | -20 / +80 °C |
| Bağlantı / Connection | Hava hortumu<br>Air hose 6x4 |
| Lamba voltajı / Voltage for lamp | 24V DC |

## joystick oransal hava kontrol
## joystick proportional air control

| Özellikler / Specifications | | | | | | |
|---|---|---|---|---|---|---|
| Parça No Part No | Açıklama / Description | Kolun özellikleri Lever characteristics | | P.T.O kontrolü P.T.O.Control | | Ağırlık Weight kg |
| | | TF/LF | TS/LF | PAL | PML | |
| 49002010 | Joystick 3 kanal pto otomatik / Joystick 3 way automatic pto | ● | | ● | | 0,4 |
| 49002052 | Joystick 2 kanal kaldırma yay geri dönüşlü pto otomatik Joystick 3 way tipping spring return automatic pto | | ● | ● | | 0,4 |
| 49002051 | Joystick 3 kanal pto manüel / Joystick 3 way manual pto | ● | | | ● | 0,4 |
| 49002053 | Joystick 2 kanal kaldırma yay geri dönüşlü pto manüel Joystick 3 way tipping spring return manual pto | | ● | | ● | 0,4 |
| 49002080 | Joystick 3 kanal pto kapalı / Joystick 2 way | ● | | | | 0,35 |
| 49002081 | Joystick 2 kanal kaldırma yay geri dönüşlü pto kapalı Joystick 2 way tipping spring return | | ● | | | 0,35 |

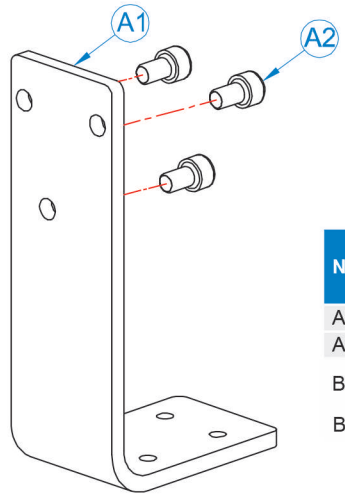
**TF**: Kol kaldırma pozisyonunda sabit / Lever fixed in tipping position
**LF**: Kol indirme pozisyonunda sabit / Lever fixed in low ering position
**TS**: Kol kaldırma pozisyonunda yay geri dönüşlü / Lever spring return in tipping position
**PAL**: Pto indirme poziyonunda otomatik kapanıyor, Lambalı / In low ering position Pto is closing as automatic, It has lamp
**PML**: Pto indirme poziyonunda manüel kapanıyor, Lambalı / In low ering position Pto is closing as manual, It has lamp

## opsiyonlar
## options

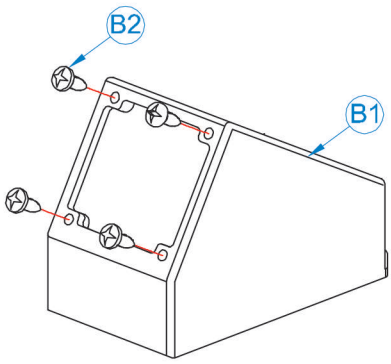



| No | Parça No Part No | Açıklama / Description | Miktar Quantity |
|---|---|---|---|
| 1 | 88003011 | Hava rakoru T Ø6 Air coupling T | 1 |
| 2 | 88001121 | Kablo bağı / Cable tie | 10 |
| 3 | 88005012 | Hava hortumu 6x4mm 15m Air hose 6x4mm | 1 |
| 4 | 88002010 | Hava hortumu 6x4mm 25m Air hose 6x4mm | 1 |

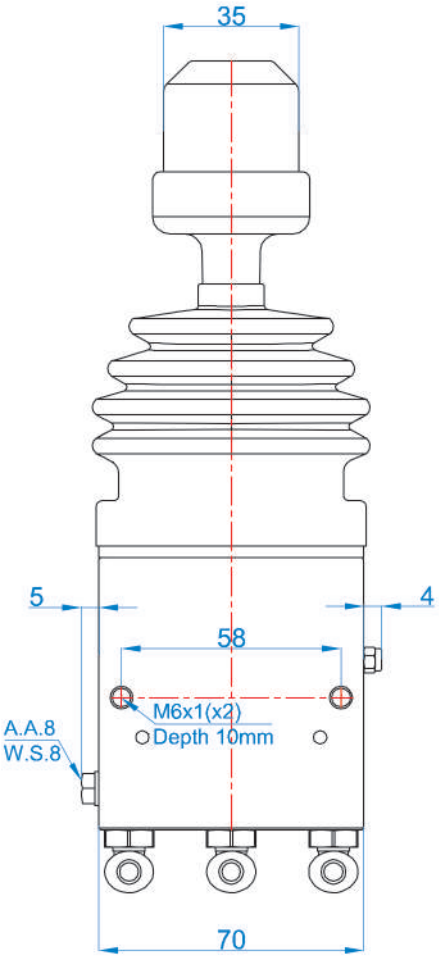
## montaj ayakları
## mounting supports

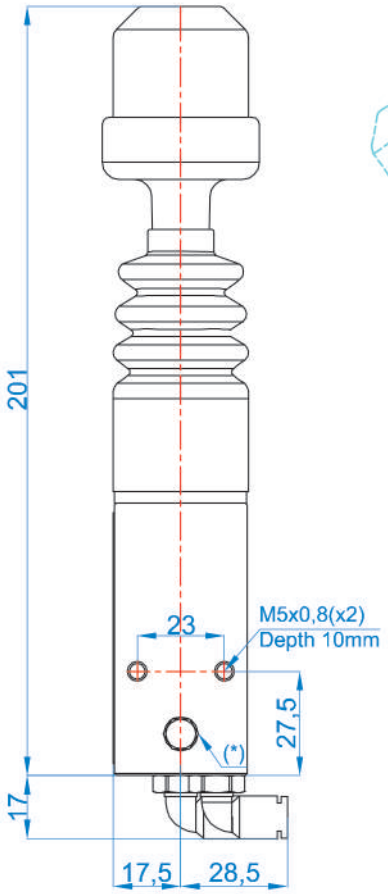


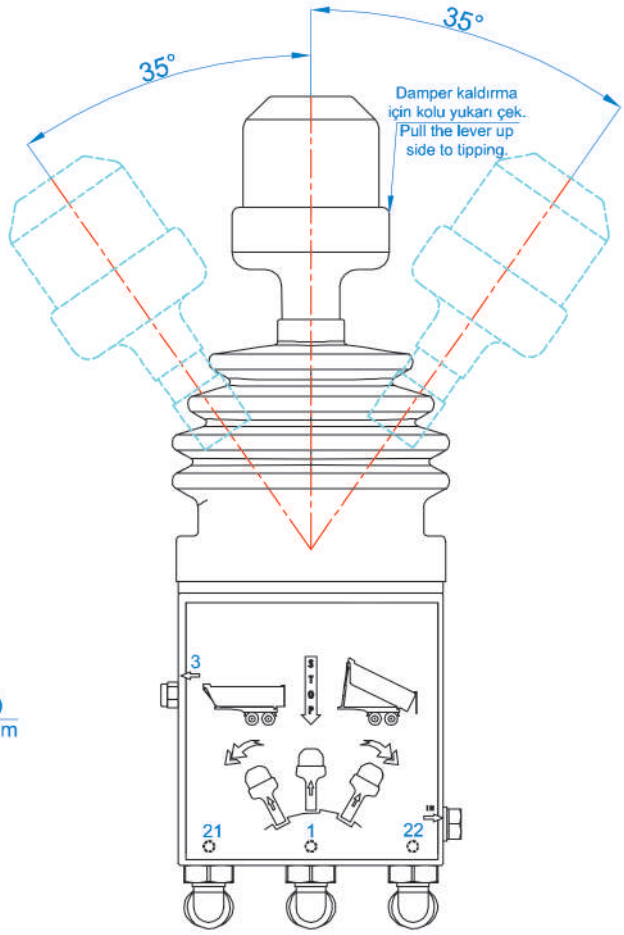

| No | Parça No Part No | Açıklama Description | Miktar Quantity | Ağırlık Weight kg |
|---|---|---|---|---|
| A1 | 60060038 | Braket / Support | 1 | 0,3 |
| A2 | 99262036 | Cıvata / Bolt | 3 | |
| B1 | 87090328 | Kutu plastik Box plastic | 1 | 0,15 |
| B2 | 99262050 | Vida / Screw | 4 | |



joystick çok fonksiyonlu oransal hava kontrol
## joystick multi functional proportional air control



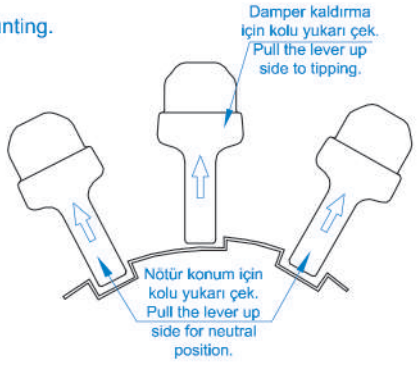




(*):3/2 dilim valf montajı durumunda sökülmelidir.
It must be removed in case of 3/2 section valve mounting.

| Teknik özellikleri Technical specifications | |
|---|---|
| Maks. hava basıncı Max. air pressure | 10 bar |
| Min. hava basıncı Min. air pressure | 5 bar |
| Çalışma sıcaklığı Working Temperature | -20 / +80 °C |
| Bağlantı / Connection | Hava hortumu Air hose 6x4 |

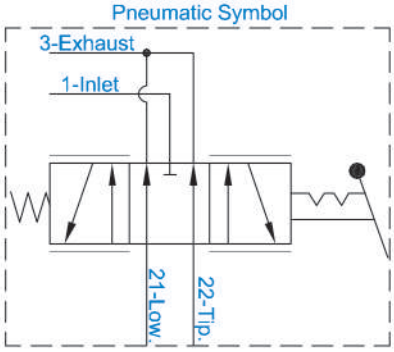
| Açıklama / Explanation | |
|---|---|
| 1 | Hava girişi / Air inlet |
| 3 | Hava tahliye / Air exhaust |
| 21 | İndirme / Lowering |
| 22 | Kaldırma / Tipping |
| 23 | P.T.O (3/2 Dilim / Section) |




| Özellikler / Specifications | | | | |
|---|---|---|---|---|
| Parça No Part No | Açıklama / Description | Kolun özellikleri Lever characteristics | | Ağırlık Weight kg |
| | | TF/LF | TF/LS | |
| 49002026 | Joystick çfo alt hava giriş çıkışlı<br>Joystick mfp bottom air inlet-outlet | • | | 0,8 |
| 49002027 | Joystick çfo indirme yay geri dönüşlü alt hava giriş çıkışlı<br>Joystick mfp lowering spring return bottom air inlet-outlet | | • | 0,8 |

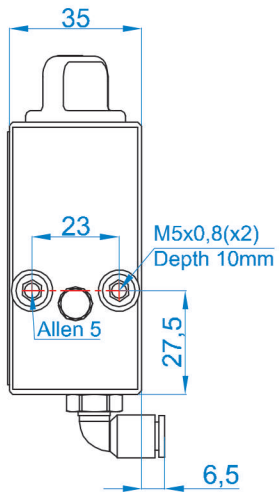
**TF**: Kol kaldırma pozisyonunda sabit / Lever fixed in tipping position
**LF**: Kol indirme pozisyonunda sabit / Lever fixed in low ering position
**LS**: Kol indirme pozisyonunda yay geri dönüşlü / Lever spring return in low ering position

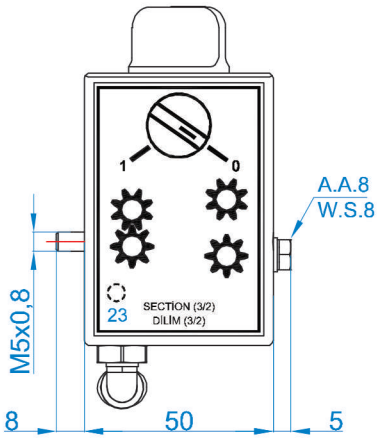
Pnömatik Sembol
Pneumatic Symbol

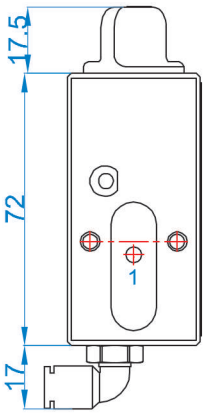




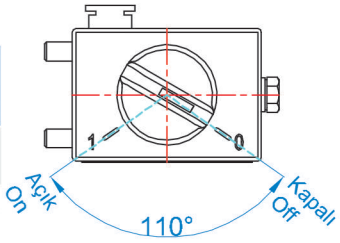
## joystick çok fonksiyonlu oransal hava kontrol dilimi 3/2
## joystick multi functional proportional air control section 3/2



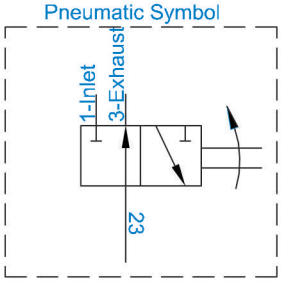



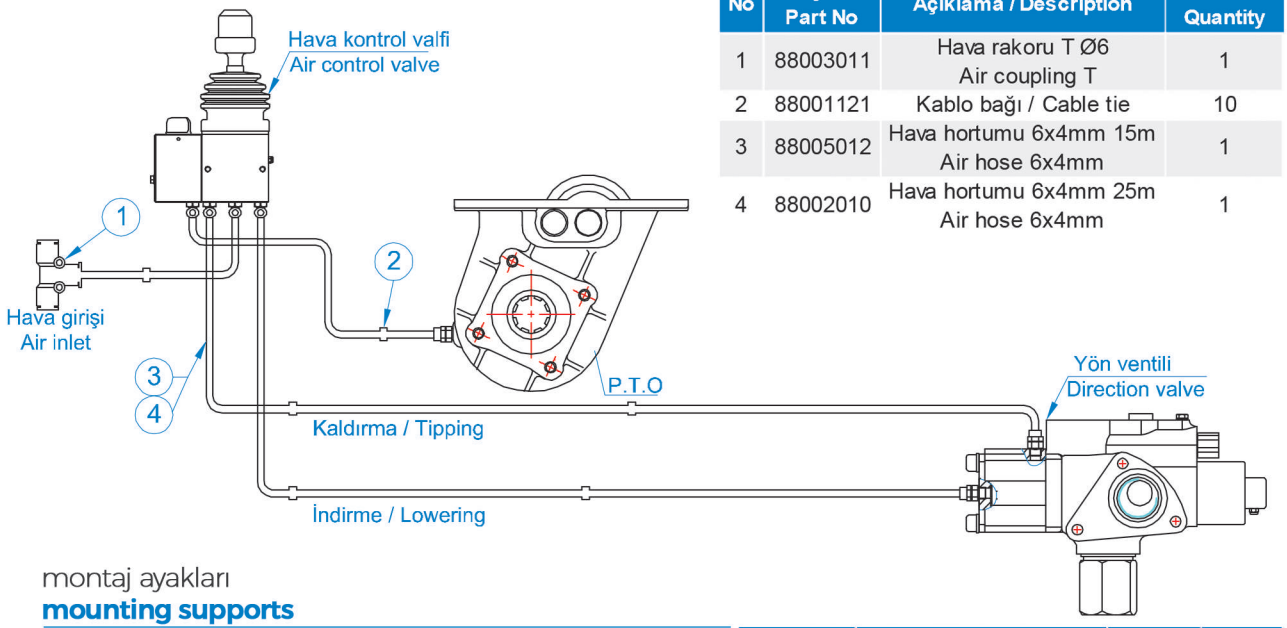

| Parça No<br>Part No | Açıklama<br>Description | Ağırlık<br>Weight<br>kg |
|---|---|---|
| 49002029 | Joystick çfo alt hava giriş çıkışlı valf dilimi 3/2<br>Joystick mfp bottom air inlet-outlet valf section 3/2 | 0,25 |




Pnömatik Sembol
Pneumatic Symbol



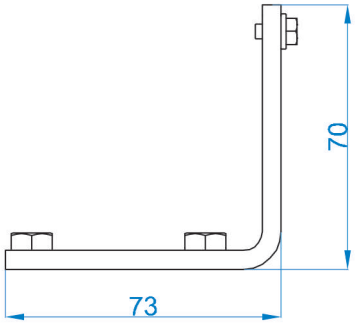

## opsiyonlar
## options

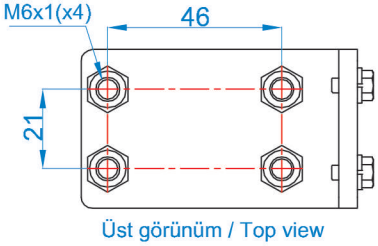



| No | Parça No<br>Part No | Açıklama / Description | Miktar<br>Quantity |
|---|---|---|---|
| 1 | 88003011 | Hava rakoru T Ø6<br>Air coupling T | 1 |
| 2 | 88001121 | Kablo bağı / Cable tie | 10 |
| 3 | 88005012 | Hava hortumu 6x4mm 15m<br>Air hose 6x4mm | 1 |
| 4 | 88002010 | Hava hortumu 6x4mm 25m<br>Air hose 6x4mm | 1 |

## montaj ayakları
## mounting supports

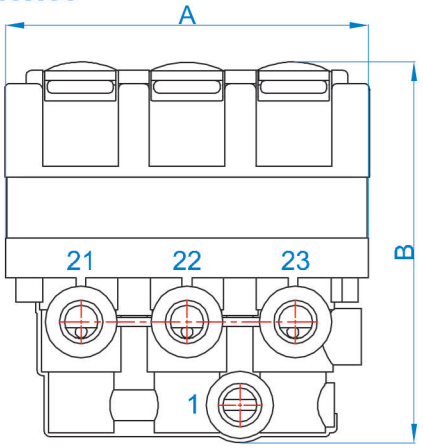
| Parça No<br>Part No | Açıklama<br>Description | Miktar<br>Quantity | Ağırlık<br>Weight<br>kg |
|---|---|---|---|
| 88510147 | Braket kiti / Support kit | 1 | 0,25 |

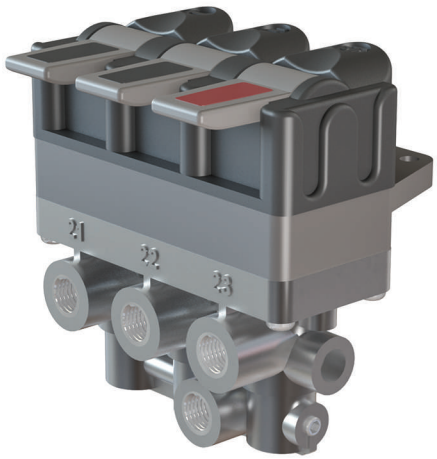


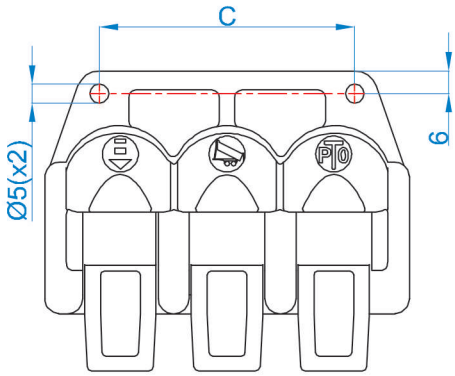



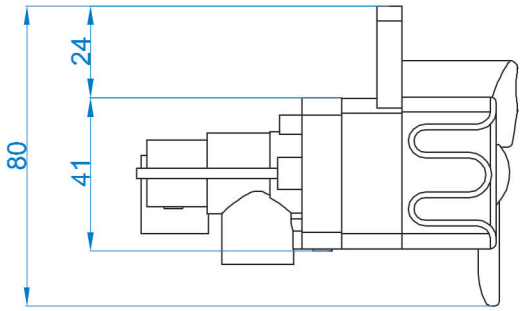

Üst görünüm / Top view

damper kontrol düğmeleri
## air switches

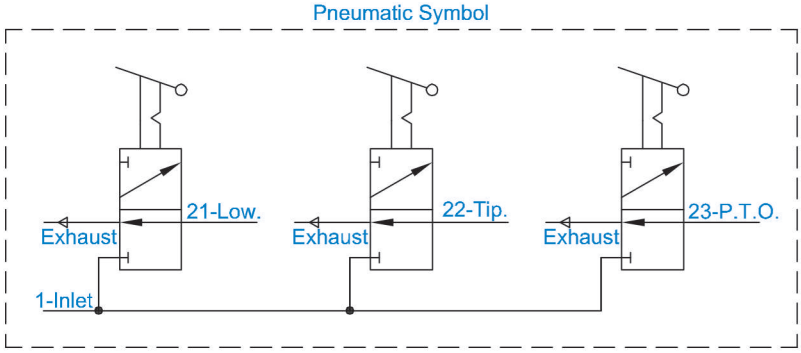



Pnömatik Sembol
Pneumatic Symbol



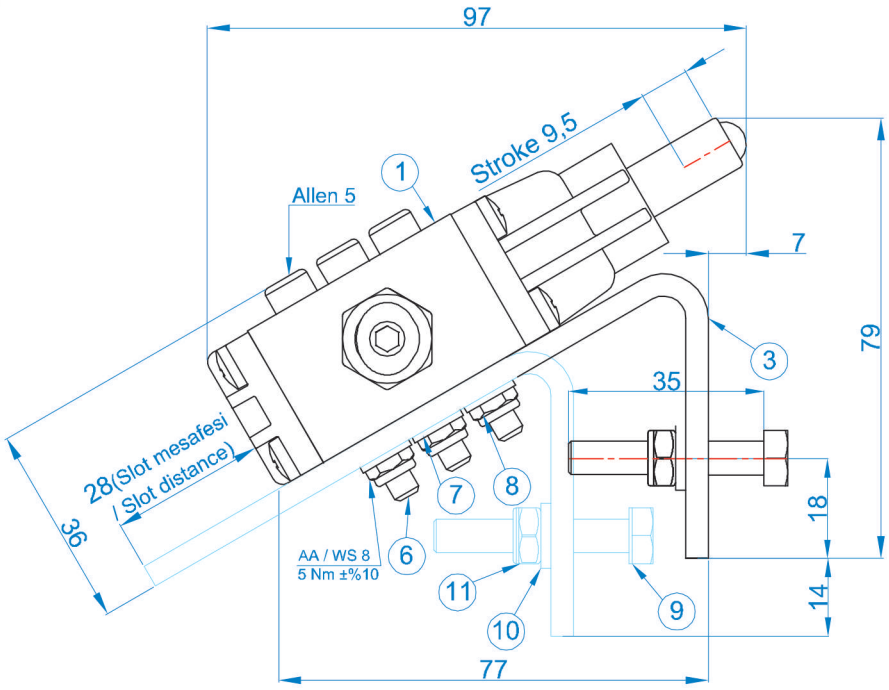

| Teknik özellikleri<br>Technical specifications | | |
|---|---|---|
| Maks. hava basıncı<br>Max. air pressure | 10 bar | |
| Min. hava basıncı<br>Min. air pressure | 5 bar | |
| Çalışma sıcaklığı<br>Working Temperature | -20 / +80 °C | |
| Bağlantı / Connection | Tekli / 1 way | G1/8" |
| | İkili / 2 way | G1/4" |
| | Üçlü / 3 way | |

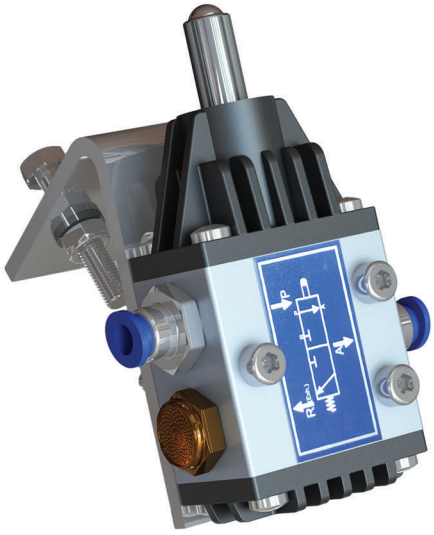
| Özellikler / Specifications | | | | | | |
|---|---|---|---|---|---|---|
| Parça No<br>Part No | Açıklama / Description | A<br>mm | B<br>mm | C<br>mm | İkaz ışığı<br>Warning light | Ağırlık<br>Weight<br>kg |
| 49001013 | Plastik gövde 1 li<br>Plastic housing 1 way | 44 | 101 | 33,5 | | 0,15 |
| 49001003 | Alüminyum gövde 2 li<br>Aluminium housing 2 way | 69 | 95 | 35,5 | | 0,23 |
| 49001004 | Alüminyum gövde 3 lü<br>Aluminium housing 3 way | 96 | 95 | 59,5 | | 0,31 |
| 49001012 | Plastik gövde 1 li<br>Plastic housing 1 way | 44 | 101 | 33,5 | • | 0,2 |
| 49001016 | Alüminyum gövde 2 li<br>Aluminium housing 2 way | 69 | 95 | 35,5 | • | 0,28 |
| 49001018 | Alüminyum gövde 3 lü<br>Aluminium housing 3 way | 96 | 95 | 59,5 | • | 0,36 |

•:İkaz ışığı ve basınç şalteri dahil. / Warning light and pressure switch are including.

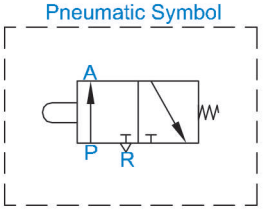
| Açıklama / Explanation | |
|---|---|
| 1 | Hava girişi / Air inlet |
| 21 | İndirme / Lowering |
| 22 | Yavaş indirme<br>Slow lowering |
| 23 | P.T.O |

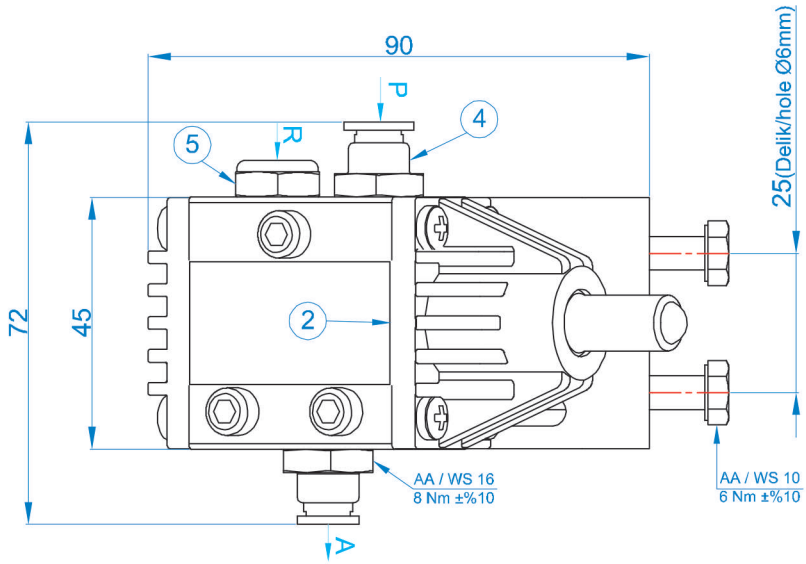
sınır kontrol valfi
## knock-off valve



Pnömatik Sembol
Pneumatic Symbol




| Açıklama / Explanation | |
|---|---|
| P | Joystick'ten gelen (22) From Joystick |
| A | Valf kaldırma hattı To valve tipping line |
| R | Hava tahliye / Air exhaust |

| Teknik özellikleri Technical specifications | |
|---|---|
| Maks. hava basıncı Max. air pressure | 10 bar |
| Çalışma sıcaklığı Working Temperature | -20 / +80 °C |
| Bağlantı / Connection | Hava hortumu Air hose 6x4 |

| Özellikler Specifications | | Yedek Parça / Spare Parts | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kit Kodu Full Kıt Code | Ağırlık Weight kg | No | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| | | Açıklama Description | Valf Valve | Etiket Sticker | Braket Bracket | Hava Rakoru Air Coupling | Susturucu Muffler | Cıvata Bolt | Pul Washer | Somun Nut | Cıvata Bolt | Pul Washer | Somun Nut |
| VSI36001535 | 0,42 | Parça No Part No | VSI36001534 | 99340002 | 60060031 | 88003003 | 84110002 | 99260026 | 99223012 | 99271045 | 99261036 | 99223008 | 99271018 |

