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PNÖMATİK SİLİNDİR KATALOĞU
PNEUMATIC CYLINDER CATALOGUE

2019

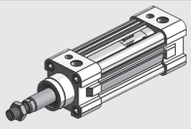
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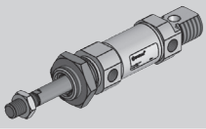
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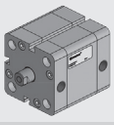
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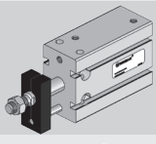
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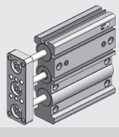
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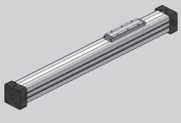
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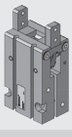
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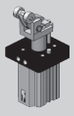
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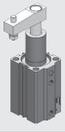
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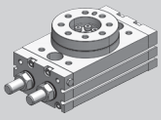
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TEKNİK BİLGİLER
TECHNICAL INFORMATION

1

Teknik Bilgiler / Technical Information

Temel Değişim Tablosu / Basic Unit Convertion Chart

Özellik / Item Characteristic	**Birim** / Unit	**Soldaki ile Çarpınca** Multiply With Left	**Birim** / Unit
Uzunluk / Lenght	**Metre** / Meter	**0.0245** **0.3048**	**İnç / Inch (in)** Feet / Feet (ft)
Alan / Area	**Metre Kare** / Square Meter (m^2)	**0.00064516** **0,92900304**	**İnç Kare / Inch Square (in^2)** Feet Kare / Feet Square (ft^2)
Hacim / Volume	**Metre Küp** / Cubic Meter (m^3)	**16.387064 x 10,6** **0.028316846**	**İnç Küp / Inch Cube (in^3)** Feet Küp / Feet Cube (ft^3)
Kütle / Mass	**Kilogram** / Kilogram (Kg)	**0.45359237**	**Libre (lb)**
Kuvvet, Ağırlık / Force, Weight	**Kilogram Kuvvet** / Kilogramorce (kgf)	**9.8066** **4.448221615**	**Newton (N)** **Libre (lb)**
Enerji / Energy		**9.8066** **1.355817948**	**Joule (J)** Libre - Feet (lb-ft)
Güç / Power	**Watt (W)**	**745.70** **0.092900304**	**Beygir Gücü** Horse Power (HP)
Özellik / Item	**Birim** / Unit	**Sağdakine Bölünce** Devided by Right	**Birim** / Unit

Basınç Değişim Tablosu / Pressure Convertion Chart

Basınç Pressure	Pa	kPa	mPa	bar	mbar	kg / cm	mm Hg	psi
Pa	1	0.001	1 x 10"6	1 x 10"5	0.01	10.1972 x 10"6	0.00750062	0.000145038
kPa	1000	1	0.001	0.01	10	0.0101972	7.50062	0.145038
Mpa	1000000	1000	1	10	10000	10.1972	7500.62	145.038
bar	100000	100	0.1	1	1000	1.01972	750.062	14.5038
mbar	100	0.1	0.0001	0.001	1	0.00101972	0.750062	0.0145038
kg / cm	98066.5	98.0665	0.0980665	0.980665	980.665	1	735.559	14.2233
mm Hg	132.322	0.132322	133.322 x 10"5	133.322 x 10"5	1.33322	0.00135351	1	0.0193368
psi	6894.76	6.89476	0.0689476	0.0689476	68.9476	0.070307	51.7149	1

Debi Değişim Tablosu / Flow Convertion Chart

Debi / Flow	m^3 / s	l / s	cm^3 / s	m^3 / sa-m^3 / h	m^3/ dak-m^3 / min	l / sa - l / h	l / dak - l / min
m^3 / s	1	1000	1000000	0.000277	0.016667	0.0278	16.667
l / s	0.001	1	1000	3.6	16.67 x 10"6	0.000277	0.016667
cm^3 / s	10 X 10"6	0.001	1	277.78	16666.67	0.278	0.06
m^3 / sa - m^3 / h	3600	0.278	0.0036	1	60	1000	60000
m^3/ dak-m^3/ min	60	60000	60 x 10"6	0.016667	1	16.66	1000
l / sa - l / h	3.6	3600	3.6	0.001	0.06	1	60
l / dak - l / min	0.06	60	16.667	16.67 x 10"6	0.001	0.016667	1

Teknik Bilgiler / Technical Information

Teorik Kuvvet / Theorical Force (kg)

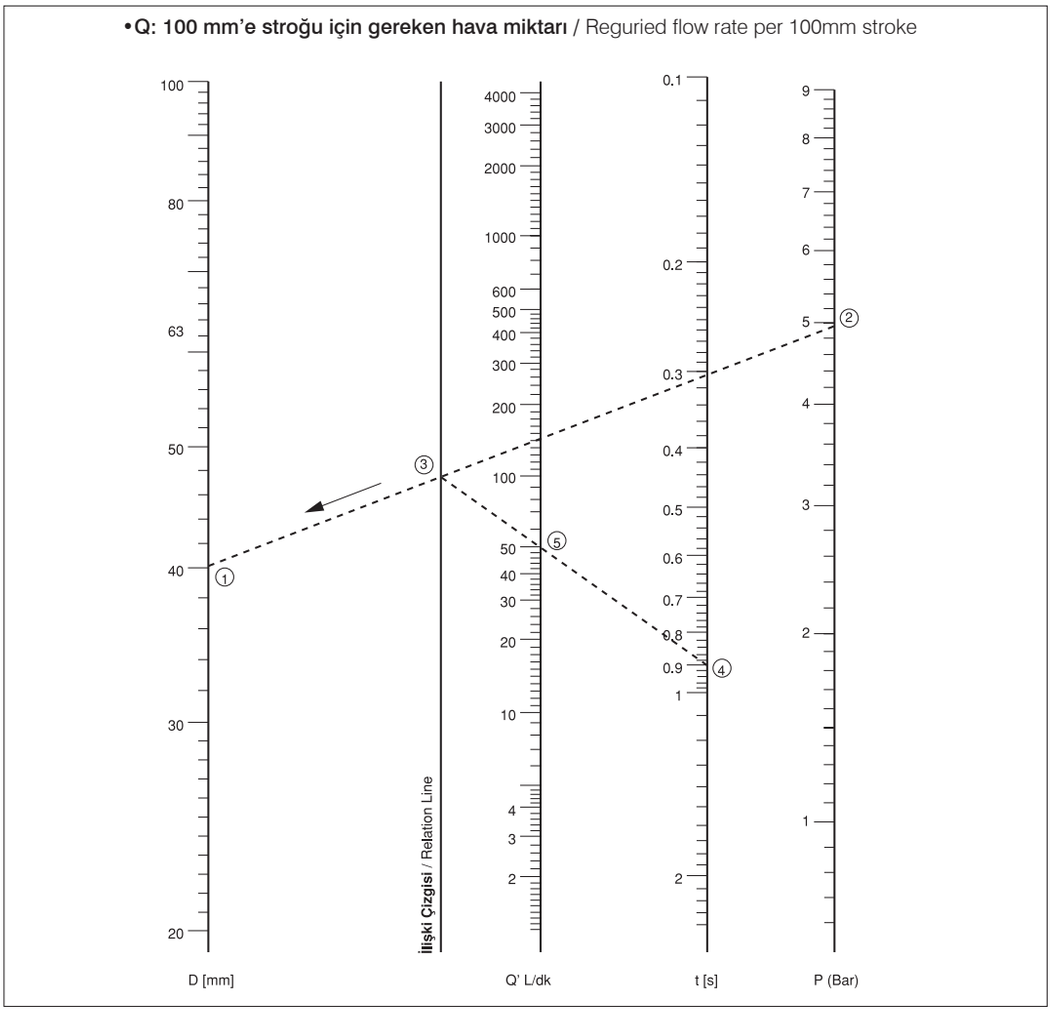
Piston Ø	Ø Mil Ø Rod	Hareket Action	Piston Alanı Piston Area (cm²)	Çalışma Basıncı / Operation Pressure (bar)								
				2	3	4	5	6	7	8	9	10
8	4	Çekme / Pull	0.38	0.8	1.1	1.5	1.9	2.3	2.6	3.0	3.4	3.8
		İtme / Push	0.50	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
10	4	Çekme / Pull	0.66	1.3	2.0	2.6	3.3	4.0	4.6	5.3	5.9	6.6
		İtme / Push	0.79	1.6	2.4	3.1	3.9	4.7	5.5	6.3	7.1	7.9
12	6	Çekme / Pull	0.85	1.7	2.5	3.4	4.2	5.1	5.9	6.8	7.6	8.5
		İtme / Push	1.13	2.3	3.4	4.5	5.7	6.8	7.9	9.0	10.2	11.3
16	6	Çekme / Pull	1.73	3.5	5.2	6.9	8.6	10.4	12.1	13.8	15.5	17.3
		İtme / Push	2.01	4.0	6.0	8.0	10.0	12.1	14.1	16.1	18.1	20.1
20	8	Çekme / Pull	2.64	5.3	7.9	10.6	13.2	15.8	18.5	21.1	23.7	26.4
		İtme / Push	3.14	6.3	9.4	12.6	15.7	18.8	22.0	25.1	28.3	31.4
25	10	Çekme / Pull	4.12	8.2	12.4	16.5	20.6	24.7	28.8	33.0	37.1	41.2
		İtme / Push	4.91	9.8	14.7	19.6	24.5	29.4	34.3	39.3	44.2	49.1
32	12	Çekme / Pull	6.91	14	21	28	35	41	48	55	62	69
		İtme / Push	8.04	16	24	32	40	48	56	64	72	80
40	16	Çekme / Pull	10.55	21	32	42	53	63	74	84	95	106
		İtme / Push	12.56	25	38	50	63	75	88	100	113	126
50	20	Çekme / Pull	16.49	33	49	66	82	99	115	132	148	165
		İtme / Push	19.63	39	59	79	98	118	137	157	177	196
63	20	Çekme / Pull	28.02	56	84	112	140	168	196	224	252	280
		İtme / Push	31.16	62	93	125	156	187	218	249	280	312
80	25	Çekme / Pull	45.33	91	136	181	227	272	317	363	408	453
		İtme / Push	50.24	100	151	201	251	301	352	402	452	502
100	25	Çekme / Pull	73.59	147	221	294	368	442	515	589	662	736
		İtme / Push	78.50	157	236	314	393	471	550	628	707	785
125	32	Çekme / Pull	114.62	229	344	458	573	688	802	917	1032	1146
		İtme / Push	122.66	245	368	491	613	736	859	981	1104	1227
160	45	Çekme / Pull	185.06	370	555	740	925	1110	1295	1481	1666	1851
		İtme / Push	200.96	402	603	804	1005	1206	1407	1608	1809	2010
200	45	Çekme / Pull	298.10	596	894	1192	1491	1789	2087	2385	2683	2981
		İtme / Push	314.00	628	942	1256	1570	1884	2198	2512	2826	3140

Teknik Bilgiler / Technical Information

Teknik Bilgiler / Technical Information

Tüketim Tablosu / Consumption Chart

•Q: 100 mm'e stroğu için gereken hava miktarı / Reguried flow rate per 100mm stroke



Silindirin çalışma sırasındaki hava tüketim miktarının tanımı.
Reguired flow rate expression during cylinder operation

$$Q = \frac{\pi}{4} \cdot D^2 \frac{L}{t} \cdot \frac{P + 1{,}013}{1{,}013} \text{ X } 10^{-6} \text{ X } 60$$

Q	**: Debi** / Flow Rate	**(L/dk)**
D	**: Silindir Numara Çapı** / Cylinder bore size	**(mm)**
L	**: Strok Uzunluğu** / Stroke Length	**(mm)**
t	**: Strok Zamanı** / Stroke moving time	**(s)**
P	**: Çalışma Basıncı** / Working pressure	**(Bar)**

Örnek : 40mm anma çaplı silindirli 5 bar basınçta 100mm stroğu 0,9s'de tamamlamak için gereken hava miktarı nedir?
(E.g.) When operating a 40mm bore cylinder with 0.5 Mpa air pressure, and 0.9s per 10Omm stroke, required flow is

Cevap : Basınç çizgisi ile (2) sonuç 50 Lt/dak olarak bulunur, çap çizgisinde verilen değerleri baz olarak birleştirin. İlişki çizgisine temas eden nokta (3) ile süre çizgisinde verilen değeri (0,9s) birleştirin (4)
(Answer) Find the point on relation line according to D and (P+0.1013), then obtain Q'=50 (fi/min) according to the point on relation line and t.

P = 5 bar
D = 40mm
t =0,9

Not : Silindirin anlık tüketim değerleri. Bu silindirin hava tüketiminden farklıdır karıştırmayın.
Note1 : The required flow rate means the instantaneous flow rate that flows during cylinder operation.
This is different from air consumption of cylinder. Don't confuse them.

<Referans> Hava tüketim formülü aşağıdadır.
<Reference> air consumption formula is as following.

$$Q = \frac{\pi}{4} \cdot D^2 L \cdot \frac{P + 0.1013}{0.1013} \text{ X } 10^{-6} \text{ X } N$$

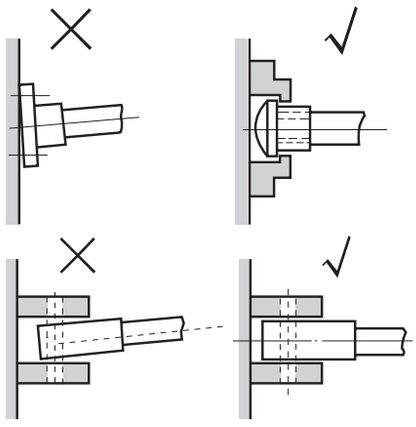
Q : Silindirin hava tüketimi / Air consumption of cylinder (ℓ/min) (ANR)
N : Silindirin dakikadaki dönü sayısı / Cylinder operational cycle perminute **(Devir/dk.** cycele/min.**)**

(Bir gidiş gelişi iki sayınız / Count one reciprocatig as twice.**)**

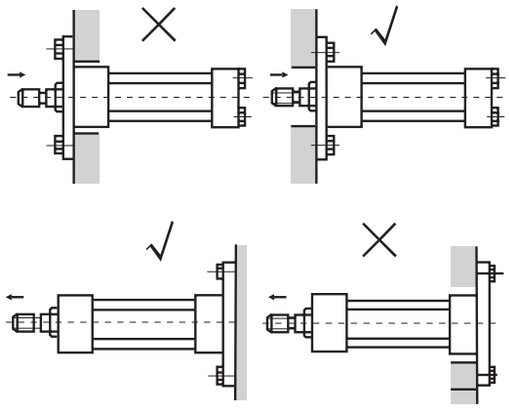
Not 2 : Hesaplanan akış değeri güvenlik faktörünü içermez.
Note 2 : The calculated required flow rate doesn't inelude safety factor.

Teknik Bilgiler / Technical Information

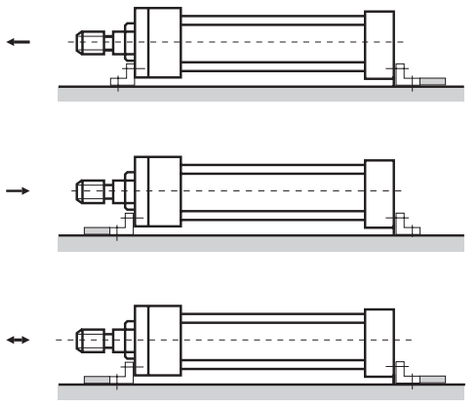
Çatal Bağlantı / Rod Clevis



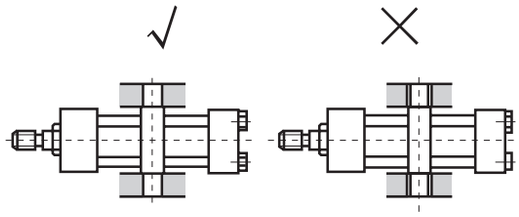
Flaş Bağlantı / Mounting Flange



Ayak Bağlantı / Clevis Foot Bracket

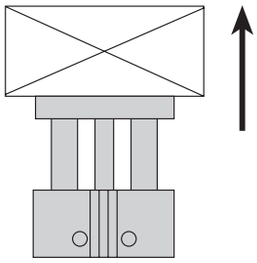


Orta Eklem Bağlantı / Middle Swivel Flange

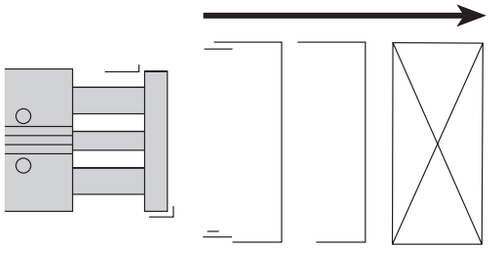


Rulmanlı Yatak Tipi / Bearing Guide Type

Kaldırma ve Baskı / Lifting and Press

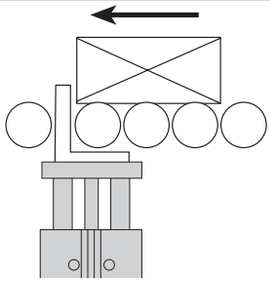


İtme Çekme / Push-pull

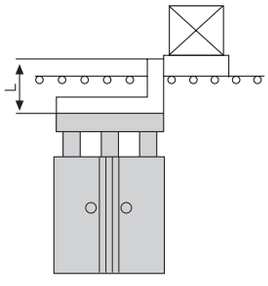


Burçlu Yatak Tipi / Bushing Guide Type

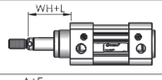
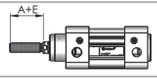
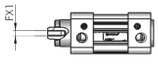
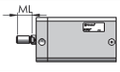
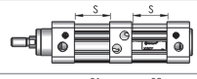
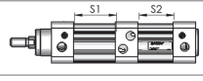
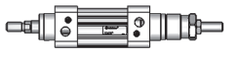
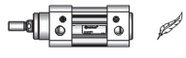
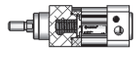
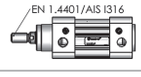
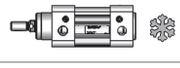
Durdurma / Stop



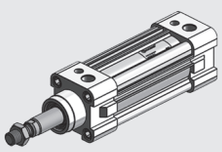
Braketle Durdurma / Stopping Via Bracket



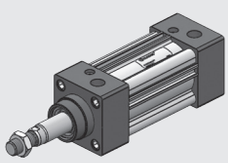
Opsiyonlar / Options

Sembol / Symbol	**Özellik** / Explanation	**Kodlama** / Coding	**Çizim** / Drawing
Standart	—	—	
Standart	—	—	
M	**Manyetik** / Magnetic	M	
YY	**Yastıklamalı** / Cushioned	YY	
L	**Mili Uzun** / Long Rod	.L50	
E	**Farklı Diş Boyu** / Special Thread Lenght	.E47	
X1	**Mil Ucu Dişi Kesik** / Threadless	.X1	
Z...H	**Farklı Diş Ölçüsü** / Special Thread Size	.ZM10.H.1.25	
F1	**Dişi Dişli** / Female Thread	.F1.Z.M8	
FX1	**Dişi Dişli, Mil Ucu Kesik** / Special Female Thread	.FX1.Z.M8	
ML	**Erkek Dişli** / Male Thread	.ML	
T	**Tandem** / Tandem	.050.0100.T	
PT	**Pozisyoner** / Positioner	.050.0040.0025.PT	
J	**Strok Ayarlı** / Stroke Adjustable	.J	
D	**Çift Milli** / Through Rod	.D	
LR	**Yağda Çalışabilen** / Hydropneumatic	.LR	
LF	**Düşük Sürtünmeli** / Low Friction	.LF	
RS	**Arka Yaylı** / Rear Spring	.RS	
FS	**Ön Yaylı** / Front Spring	.FS	
SS	**Paslanmaz Milli** / Inox Rod	.SS	
V	**Viton Keçeli** / Viton Seal	.V	
VO	**Viton Boğaz Keçeli** / Viton Rod Seal	.VO	
FD	**Gıdaya Uyumlu Yağlanmış** / Greased Suitable Food	.FD	
C	**Soğuğa Dayanım** / Low Temperature	.C	

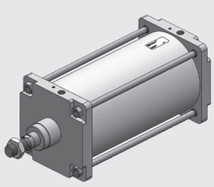
ISO 15552 SERİSİ PNÖMATİK SİLİNDİRLER
ISO 15552 SERIES PNEUMATIC CYLINDERS



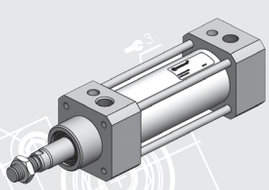
WAC - Serisi ISO 15552 Silindirler
WAC -Series ISO 15552 Cylinders



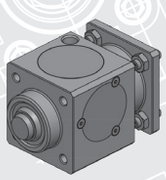
WSI - Serisi ISO 15552 Silindirler
WSI - Series ISO 15552 Cylinders



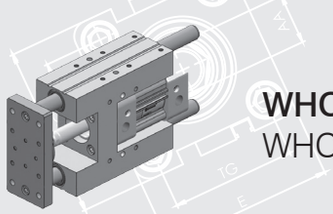
WQGB - Serisi ISO 15552 Silindirler
WQGB - Series ISO 15552 Cylinders



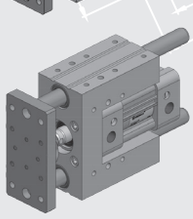
WXC - Serisi ISO 15552 Paslanmaz Silindirler
WXC - Series ISO 15552 INOX Cylinders



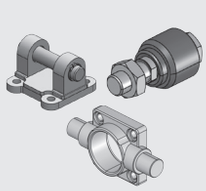
WI-RDLCK - Serisi Silindir Mil Kilitleri
WI-RDLCK - Series Cylinder Rod Locks



WHC - Serisi ISO 15552 İçin Yataklamalar
WHC- Series Guides For ISO 15552



WUC - Serisi ISO 15552 İçin Yataklamalar
WUC- Series Guides For ISO 15552

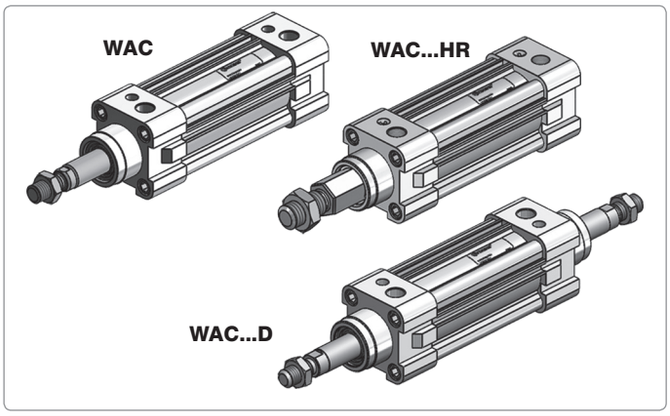


ISO 15552 Aksesuarları
ISO 15552 Accessories

Hid-tek ölçü ve modellerde değişiklik yapma hakkına sahiptir.
Detaylı teknik bilgi için hid-tek ofisleri ile irtibata geçiniz.

Hid-tek has the right to make changes in dimensions and models
For detailed technical Contactation please contact hid-tek office.

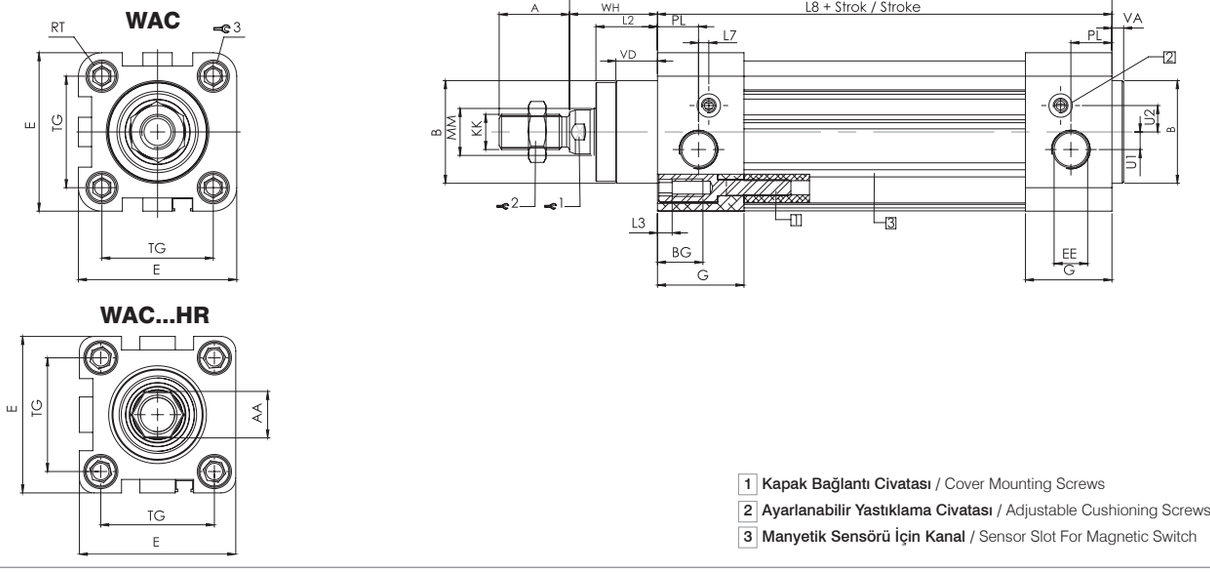
WAC - Serisi ISO 15552 Silindirler / WAC -Series ISO 15552 Cylinders



Özellikler / Specification

Piston Çapı / Bore Size	32	40	50	63	80	100	125
Çalışma Tipi / Acting Type	**Çift Etkili** / Double Acting						
Akışkan / Fluid	**Hava (40µm filtrelenmiş)** / Air (40µm filtered)						
Çalışma Basıncı / Op. Pressure	< 10 Bar						
Sıcaklık / Temperature	0 ~ +80 °C						
Manyetik / Magnetic	**Opsiyonel** / Optional						
Yastıklama Tipi / Cush. Type	**Ayarlı Yastıklama** / Adjustable Cushinoed						
Hız / Speed Range	< 800 mm/s						
Sensör / Sensör Switches	**WT-50 / WT-65 / WT-75**						

Teknik Çizim / Technical Drawing



1 **Kapak Bağlantı Civatası** / Cover Mounting Screws
2 **Ayarlanabilir Yastıklama Civatası** / Adjustable Cushioning Screws
3 **Manyetik Sensörü İçin Kanal** / Sensor Slot For Magnetic Switch

Ø mm	A -0.5	B Ø d11	BG min.	E +0.5	EE	G -0.2	U2 ±0.1	U1 ±0.1	KK	L2	L3 max.	L7	L8 ±0.4	MM Ø	PL ±0.1	RT	TG ±0.3	VA	VD +0.5	WH +2.2	ZJ +1.8	ZM +1.8	AA	1	2	3	YAST. BOYU CUSH. LENG.	MAX. STROK MAX STROKE
32	22	30	15	46	G1/8"	25.0	6.0	5.0	M10X1.25	18.0 $^{-0.2}$	5	2.5	94	12	15.5	M6	32.5	4	14.5	26	120	146	10	10	16	6	18.9	2000
40	24	35	15	54	G1/4"	29.5	8.5	6.0	M12X1.25	21.0 $^{-0.2}$	5	3.5	105	16	14.0	M6	38.0	4	14.5	30	135	165	14	14	18	6	25.5	2000
50	32	40	18	64	G1/4"	29.5	10.0	8.5	M16X1.50	28.0 $^{-0.2}$	5	5.0	106	20	14.0	M8	46.5	4	16.0	37	143	181	19	17	24	8	20.4	2000
63	32	45	18	75	G3/8"	35.5	12.5	9.5	M16X1.50	28.5 $^{-0.2}$	6	6.5	121	20	17.0	M8	56.5	4	16.0	37	158	196	19	17	24	8	22.3	2000
80	40	45	22	93	G3/8"	36.0	12.5	8.0	M20X1.50	34.7 $^{-0.2}$	6	11.5	128	25	15.0	M10	72.0	4	19.5	46	174	220	23	21	30	10	27.2	2000
100	40	55	22	110	G1/2"	39.0	12.0	10.0	M20X1.50	38.2 $^{-0.2}$	6	6.5	138	25	20.0	M10	89.0	4	19.5	51	189	239	23	21	30	10	30.4	2000
125	54	60	22	136	G1/2"	45.0	12.0	8.0	M27X2.00	46.0 $^{-0.3}$	-	13.0	160	32	19.0	M10	110.0	6	26.5	65	225	291	-	27	41	19	29.8	2000

Sipariş Kodu / Ordering Code

MODEL	OPSİYON OPTIONS	MANYETİK MAGNETIC	YASTIKLAMA CUSHONING	ÇAP DIA.	STROK STROKE	STROK STROKE	MİL MALZEMESİ ROD METERIAL	MİL UZUNLUĞU ROD LENGHT	DİŞ TİPİ SCREW TYPE	DİŞ ÖLÇÜSÜ SCREW SIZE	DİŞ UZUNLUĞU SCREW LENGHT
WAC	**D**	**M**	**YY**	**080**	**0250**	**0050**	**SS**	**L25**	**F**	**ZM18.H1.5**	**E15**

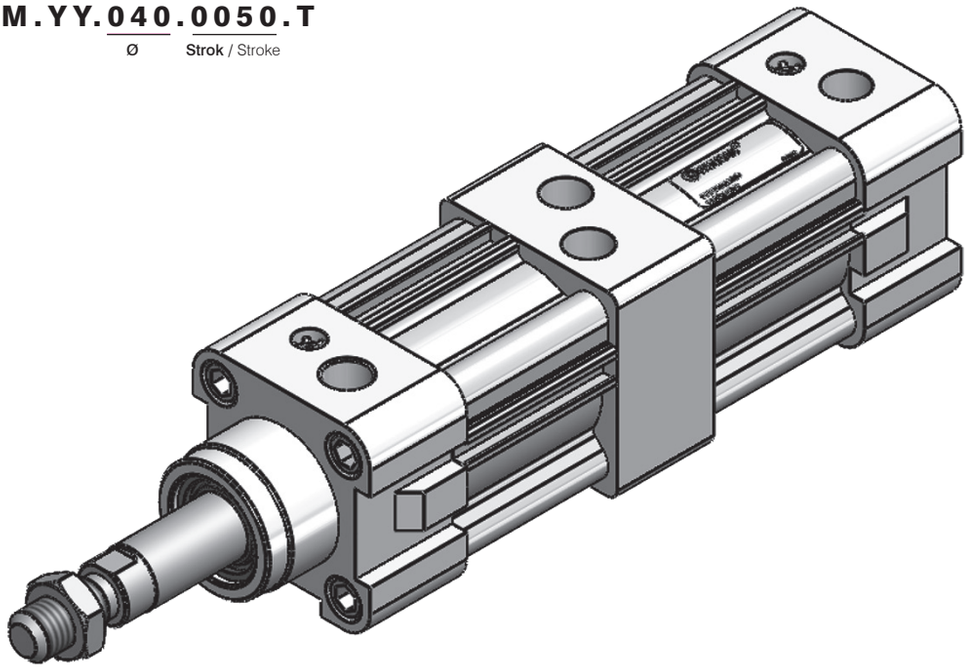
BOŞ : STANDART – Blank Standart T : TANDEM – Tandem PT : POZİSYONER – Positioner D : ÇİFT MİLLİ – Through Rod J : STROK AYARLI – Stroke Adjustable HR : DÖNMEZ MİLLİ – Hexagonal Rod FS : ÖNDEN YAYLI (50mm ye Kadar) – Front Spring (Up to 50mm) RS : ARKADAN YAYLI (50mm ye Kadar) – Rear Spring (Up to 50(mm) LF : DÜŞÜK SÜRTÜNME – Low Friction V : SICAĞA DAYANIKLI 150° Sıcaklığa Kadar – Heat Resistance (Up to 150°C) LR : YAĞDA ÇALIŞABİLEN 6 Bar Basınçlı Yağda – Hydropneumatic (6 bar oil pressure)	BOŞ :MANYETİKSİZ Blank :Without Magnet M :MANYETİK M :With Magnet	BOŞ :YASTIKSIZ Blank :Uncushioned YY :YASTIKLI YY :Cushinoed	PİSTON ÇAPI (mm) Piston Dia	STROK (mm) Stroke	STROK (mm) Stroke SADECE POZİSYONER İÇİN Only Positioner Cylinders	SS :PASLANMAZ Inox BOŞ :STANDART Blank :Standart	LX (mm) - BOŞ :STANDART Blank :Standart	F :DİŞİ Female BOŞ :STANDART Blank :Standart	Zx :ÇAP Dia Hx :Hatve Pitch BOŞ :STANDART Blank :Standart	Ex (mm) BOŞ :STANDART Blank :Standart

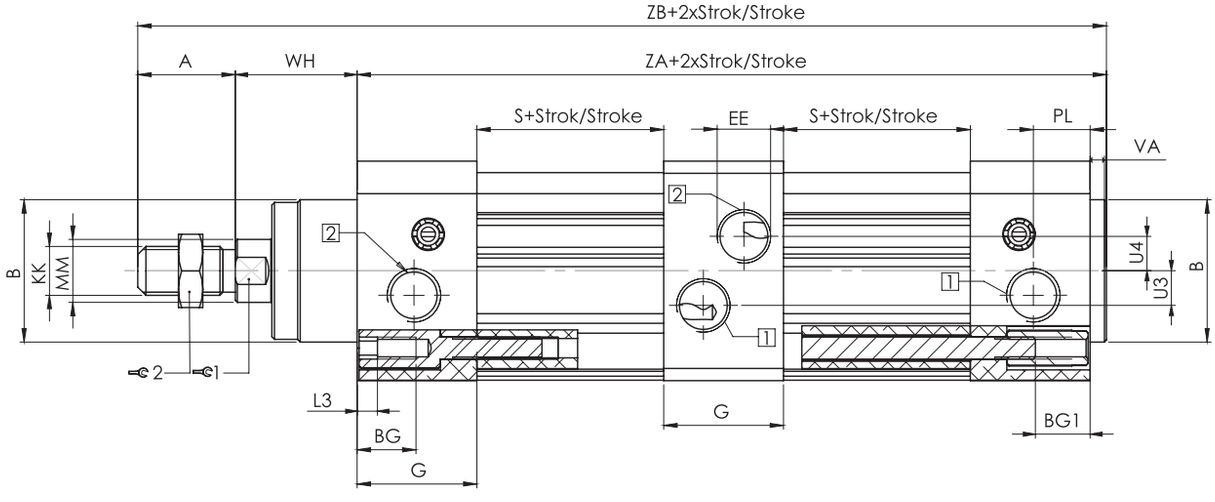
WAC...T Tandem Silindirler / WAC...T Tandem Cylinders

Teknik Çizim / Technical Drawing

WAC.M.YY.040.0050.T

Ø **Strok** / Stroke





NOT :**WAC silindir sayfasından sipariş ediniz. / 200 stroktan sonra sensör bilgisi alınız.**
NOTE :Order from WAC cylinders page. / Contact us for the strokes over than 200

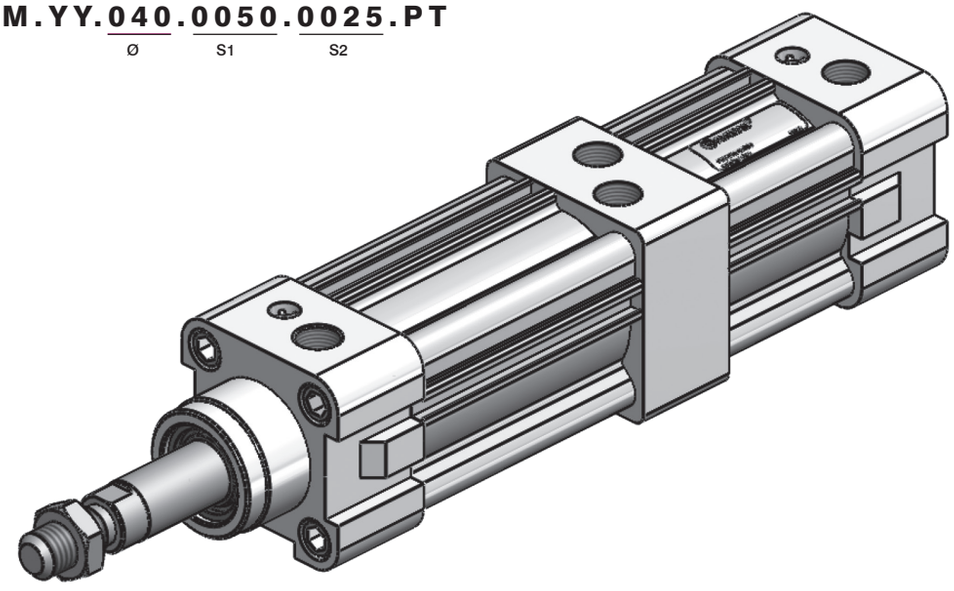
1 **Silindir Mili İleri** / Cylinder Rod Advancing
2 **Silindir Mili Geri** / Cylinder Rod Retracting

Ø mm	KK	L3	BG1	G	U3 ±0.1	U4 ±0.1	PL ±0.1	VA	ZB	ZA	S ±0.4	3
32	M10X1.25	5	12.5	25.0	7.0	7.0	15.5	4	215.0	163.0	44	10
40	M12X1.25	5	12.5	29.5	8.5	8.5	14.0	4	238.5	180.5	46	14
50	Mİ 6X1.50	5	14.0	29.0	10.0	10.0	14.0	4	253.0	180.0	46	17
63	Mİ 6X1.50	6	14.0	35.0	14.0	14.0	17.0	4	279.0	206.0	50	17
80	M20X1.50	6	16.0	36.0	15.0	15.0	15.0	4	310.0	220.0	56	21
100	M20X1.50	6	16.0	40.0	25.0	25.0	20.0	4	335.0	240.0	61	21
125	M27X2.00	-	24.0	43.0	25.0	25.0	19.0	6	400.0	275.0	71	27

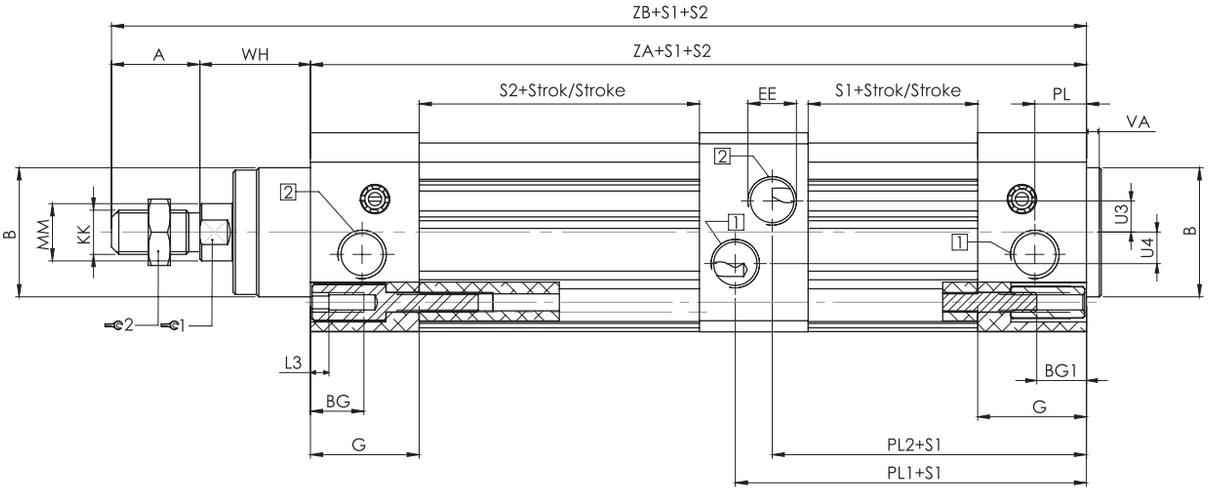
WAC...PT Pozisyoner Silindirler / WAC...PT Positioner Cylinders

Teknik Çizim / Technical Drawing

WAC.M.YY.040.0050.0025.PT
Ø S1 S2



S1: Pozisyon 1 / Position1
S2: Pozisyon 2 / Position2



1 **Silindir Mili İleri** / Cylinder Rod Advancing
2 **Silindir Mili Geri** / Cylinder Rod Retracting

NOT :**WAC silindir sayfasından sipariş ediniz. / 200 stroktan sonra sensör bilgisi alınız.**
NOTE :Order from WAC cylinders page. / Contact us for the strokes over than 200

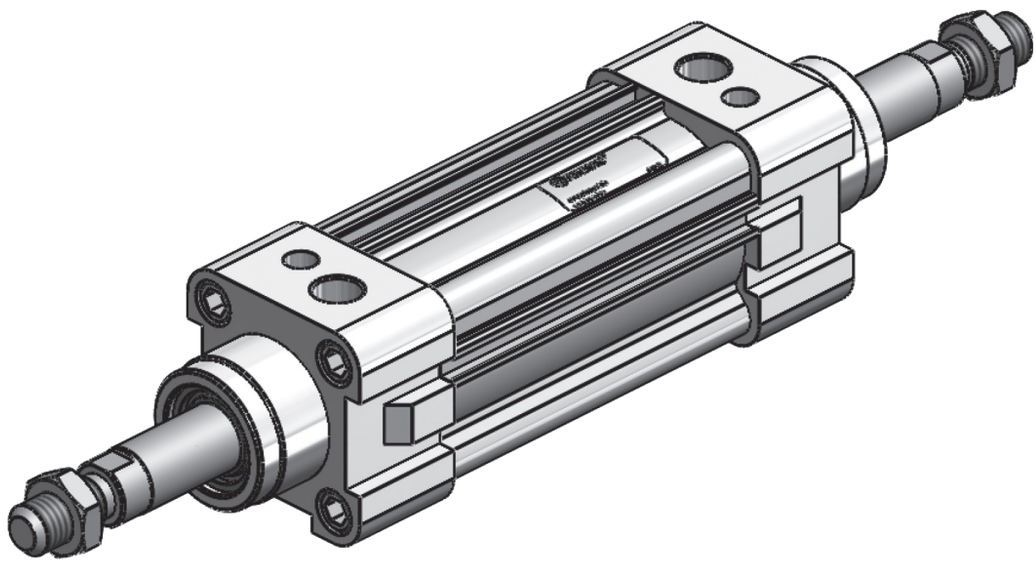
Ø mm	KK	L3	BG1	G	U3 ±0.1	U4 ±0.1	PL ±0.1	VA	ZB	ZA	S1 ±0.4	PL1 ±0.2	PL2 ±0.2
32	M10X1.25	5	12.5	25.0	7.0	7.0	15.5	4	215.0	163.0	44	86.5	76.5
40	M12X1.25	5	12.5	29.5	8.5	8.5	14.0	4	238.5	180.5	46	95.2	85.2
50	M16X1.50	5	14.0	29.0	10.0	10.0	14.0	4	253.0	180.0	46	95.0	85.0
63	M16X1.50	6	14.0	35.0	14.0	14.0	17.0	4	279.0	206.0	50	108.0	98.0
80	M20X1.50	6	16.0	36.0	15.0	15.0	15.0	4	310.0	220.0	56	105.0	115.0
100	M20X1.50	6	16.0	40.0	25.0	25.0	20.0	4	335.0	240.0	61	115.0	125.0
125	M27X2.00	-	24.0	43.0	25.0	25.0	19.0	6	400.0	275.0	71	142.5	132.5

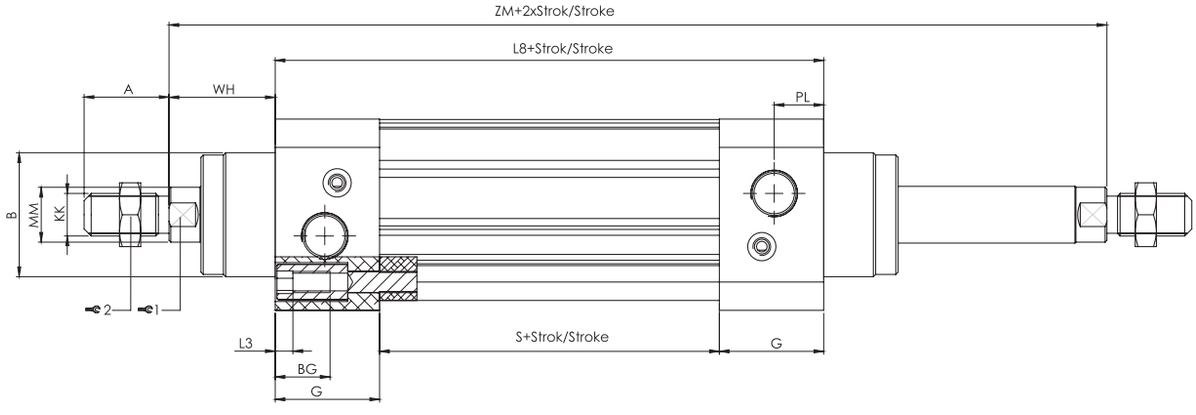
WAC...D Çift Milli Silindirler / WAC...D Through Rod Cylinders

Teknik Çizim / Technical Drawing

WAC.M.YY.040.0050.D

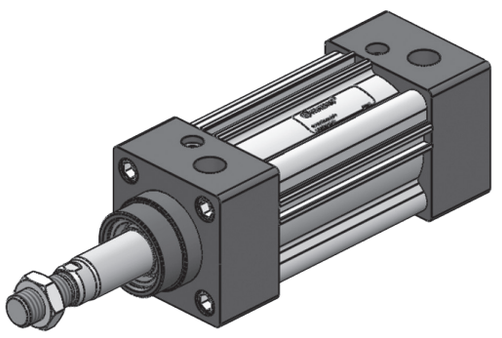
Ø **Strok** / Stroke





Ø mm	A -0.5	B Ø d11	WH +2.2	PL ±0.1	S ±0.4	G -0.2	KK	MM Ø	L3 Max	BG Min
32	22	30	26	15.5	44	25.0	M10X1.25	12	5	15
40	24	35	30	14.0	46	29.5	M12X1.25	16	5	15
50	32	40	37	14.0	46	29.5	M16X1.50	20	5	18
63	32	45	37	17.0	50	35.5	M16X1.50	20	6	18
80	40	45	46	15.0	56	36.0	M20X1.50	25	6	22
100	40	55	51	20.0	61	39.0	M20X1.50	25	6	22
125	54	60	65	19.0	71	45.0	M27X2.00	32	-	22

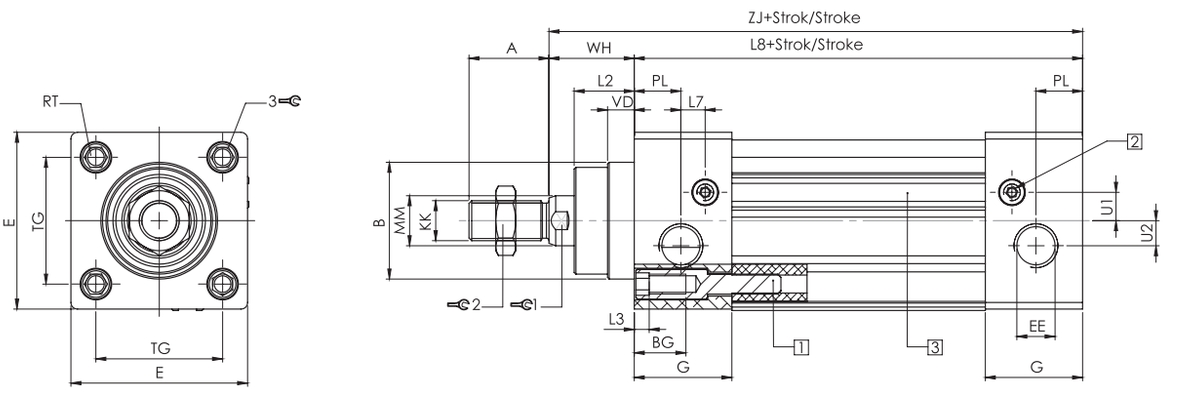
WSI - Serisi ISO 15552 Silindirler / WSI - Series ISO 15552 Cylinders



Özellikler / Specification

Piston Çapı / Bore Size	32	40	50	63	80	100
Çalışma Tipi / Acting Type	**Çift Etkili** / Double Acting					
Akışkan / Fluid	**Hava (40µm filtrelenmiş)** / Air (40µm filtered)					
Çalışma Basıncı / Op. Pressure	< 10 Bar					
Sıcaklık / Temperature	0 ~ +80 °C					
Manyetik / Magnetic	**Standart** / Standard					
Yastıklama Tipi / Cush. Type	**Ayarlı Yastıklama** / Adjustable Cushinoed					
Hız / Speed Range	< 800 mm/s					
Sensör / Sensör Switches	**WT-50 / WT-65 / WT-75**					

Teknik Çizim / Technical Drawing



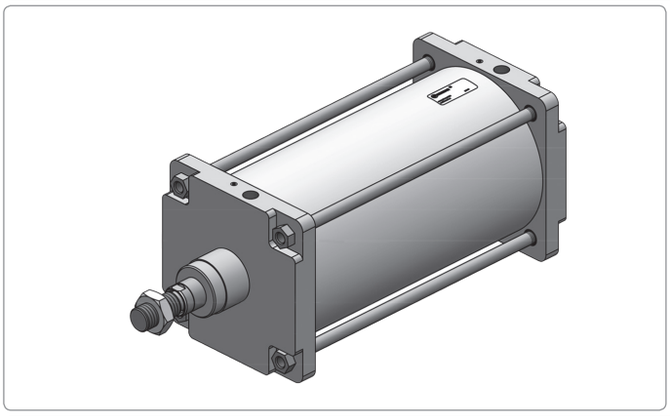
1 **Kapak Bağlantı Civatası** / Cover Mounting Screws
2 **Ayarlanabilir Yastıklama Civatası** / Adjustable Cushioning Screws
3 **Manyetik Sensörü İçin Kanal** / Sensor Slot For Magnetic Swtich

Ø mm	A -0.5	B Ø d11	BG min.	E +0.5	EE	G -0.2	U2 ±0.1	U1 ±0.1	KK	L2	L3 max.	L7	L8 ±0.4	MM Ø	PL ±0.1	RT	TG ±0.3	VD +0.5	WH +2.2	ZJ +1.8	1	2	3	YAST. BOYU CUSH. LENG.	MAX. STROK MAX. STROKE
32	22	30	15.5	46.5	G1/8''	27.5	3.25	7.25	M10X1.25	16.0	4	4.5	93.5	12	14.0	M6	32.5	-	26.0	119.5	10	16	6	9.1	2000
40	24	35	15.5	53.0	G1/4''	29.5	7.50	8.50	M12x1.25	18.0	4	7.5	105.5	16	14.0	M6	38.0	-	29.5	135.0	14	18	6	13.1	2000
50	32	40	17.0	65.0	G1/4''	30.0	5.50	8.50	M16x1.5	25.0	5	6.0	106.0	20	15.0	M8	46.5	-	37.0	143.0	17	24	8	18.0	2000
63	32	45	17.0	75.0	G3/8''	31.0	7.50	7.50	M16x1.5	23.5	5	6.5	120.0	20	15.5	M8	56.5	40	37.0	157.0	17	24	8	19.1	2000
80	40	45	17.0	95.0	G3/8''	35.0	9.50	13.50	M20x1.5	30.0	5	9.0	128.0	25	17.5	M10	72.0	-	46.0	174.0	21	30	10	22.5	2000
100	40	55	17.0	115.0	G1/2''	36.0	13.50	14.50	M20x1.5	32.0	5	9.5	138.0	25	18.0	M10	89.0	45	51.0	189.0	21	30	10	23.0	2000
125	54	60	19.0	140.0	G1/2''	46.0	14.00	13.00	M27x2	44.5	6	12.0	160.0	32	23.0	M12	110.0	-	65.0	225.0	27	41	12	25.0	2000

Sipariş Kodu / Ordering Code

MODEL	MANYETİK MAGNETIC	YASTIKLAMA CUSHONING	ÇAP DIA.	STROK STROKE	MİL MALZEMESİ ROD METERIAL	MİL UZUNLUĞU ROD LENGHT	DİŞ TİPİ SCREW TYPE	DİŞ ÖLÇÜSÜ SCREW SIZE	DİŞ UZUNLUĞU SCREW LENGHT
WSI	**M**	**YY**	**080**	**0250**	**SS**	**L25**	**F**	**ZM18.H1.5**	**E15**
	M :MANYETİK M :With Magnet	YY :YASTIKLI YY :Cushinoed	PİSTON ÇAPI (mm) Piston Dia	STROK (mm) Stroke	SS :PASLANMAZ Inox BOŞ :STANDART Blank :Standart	LX (mm) - BOŞ :STANDART Blank :Standart	F :DİŞİ Female BOŞ :STANDART Blank :Standart	Zx :ÇAP Dia Hx :Hatve Pitch BOŞ :STANDART Blank :Standart	Ex (mm) BOŞ :STANDART Blank :Standart

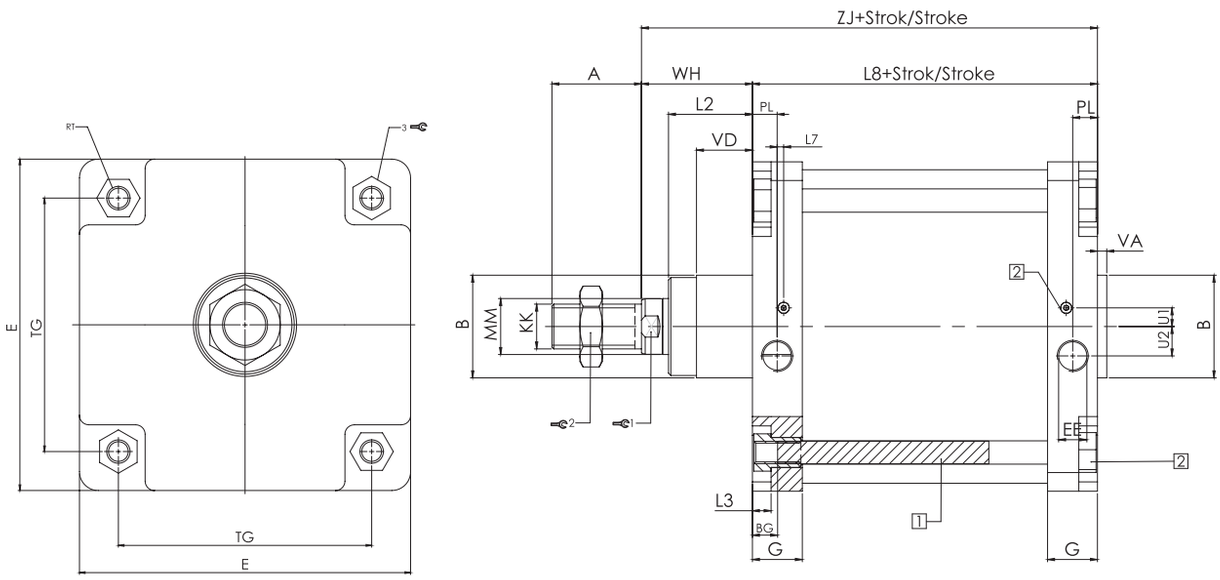
WQGB - Serisi ISO 15552 Silindirler / WQGB - Series ISO 15552 Cylinders



Özellikler / Specification

Piston Çapı / Bore Size	160	200	250	320
Çalışma Tipi / Acting Type	**Çift Etkili** / Double Acting			
Akışkan / Fluid	**Hava (40µm filtrelenmiş)** / Air (40µm filtered)			
Çalışma Basıncı / Op. Pressure	< 10 Bar			
Sıcaklık / Temperature	0 ~ +80 °C			
Manyetik / Magnetic	**Standart** / Standard			
Yastıklama Tipi / Cush. Type	**Ayarlı Yastıklama** / Adjustable Cushinoed			
Hız / Speed Range	< 500 mm/s			
Sensör / Sensör Switches	**WT21 +PI**			

Teknik Çizim / Technical Drawing



1 **Kapak Bağlantı Rodu** / Cover Mounting The Rod
2 **Ayarlanabilir Yastıklama Civatası** / Adjustable Cushioning Screws
3 **Kapak Bağlantı Somunu**/ Cover Mounting Screws

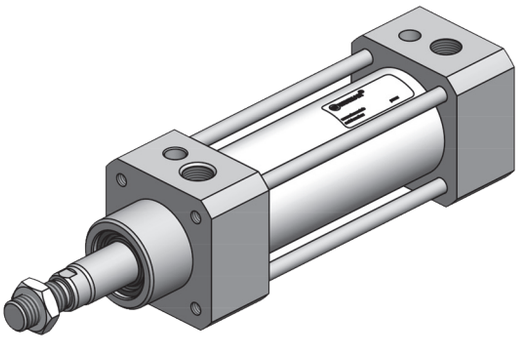
Ø mm	A -0.5	B Ø d11	BG min.	E +0.5	EE	G -0.2	U2 ±0.1	U1 ±0.1	KK	L2	L3 Max	L7	L8 ±0.4	MM Ø	PL ±0.1	RT	TG ±0.3	VD +0.5	WH +2.2	VA	ZJ +1.8	1	2	3	YAST. BOYU CUSH. LENG.	MAX. STROK MAX. STROKE
160	72	65	25.0	180	G3/4''	50	31.5	20	M36X2	51	11	9.0	182	40	25	M16	140	-	73	5	255	36	55	27	33.5	2000
200	72	75	25.0	220	G3/4''	50	17.0	20	M36X2	62	11	11.5	180	40	25	M16	175	-	90	7	270	36	55	27	34.0	2000
250	84	90	20.0	270	G3/4''	53	00.0	00	M42X2	65	16	11.0	200	50	26	M20	220	21.50	91	13	291	46	65	36	39.5	2000
320	96	110	25.5	340	G1	55	15.0	20	M48X2	80	20	7.0	223	60	27	M24	270	-	109	9	332	55	75	40	33.5	2000

Sipariş Kodu / Ordering Code

MODEL	OPSİYON OPTIONS	MANYETİK MAGNETIC	YASTIKLAMA CUSHONING	ÇAP DIA.	STROK STROKE	STROK STROKE	MİL MALZEMESİ ROD METERIAL	MİL UZUNLUĞU ROD LENGHT	DİŞ TİPİ SCREW TYPE	DİŞ ÖLÇÜSÜ SCREW SIZE	DİŞ UZUNLUĞU SCREW LENGHT
WQGB	**D**	**M**	**YY**	**160**	**0250**	**50**	**SS**	**L25**	**F**	**ZM18.H1.5**	**E15**

	BOŞ : STANDART – Blank Standart **T : TANDEM** – Tandem **PT : POZİSYONER** – Positioner **D : ÇİFT MİLLİ** – Through Rod **J : STROK AYARLI** – Stroke Adjustable	**M :MANYETİK** M :With Magnet	**YY :YASTIKLI** YY :Cushinoed	**PİSTON ÇAPI (mm)** Piston Dia	**STROK (mm)** Stroke	**STROK (mm)** Stroke **SADECE POZİSYONER İÇİN** Only Positioner Cylinders	**SS :PASLANMAZ** Inox **BOŞ :STANDART** Blank :Standart	**LX (mm)** - **BOŞ :STANDART** Blank :Standart	**F :DİŞİ** Female **BOŞ :STANDART** Blank :Standart	**Zx :ÇAP** Dia **Hx :Hatve** Pitch **BOŞ :STANDART** Blank :Standart	**Ex (mm)** **BOŞ :STANDART** Blank :Standart

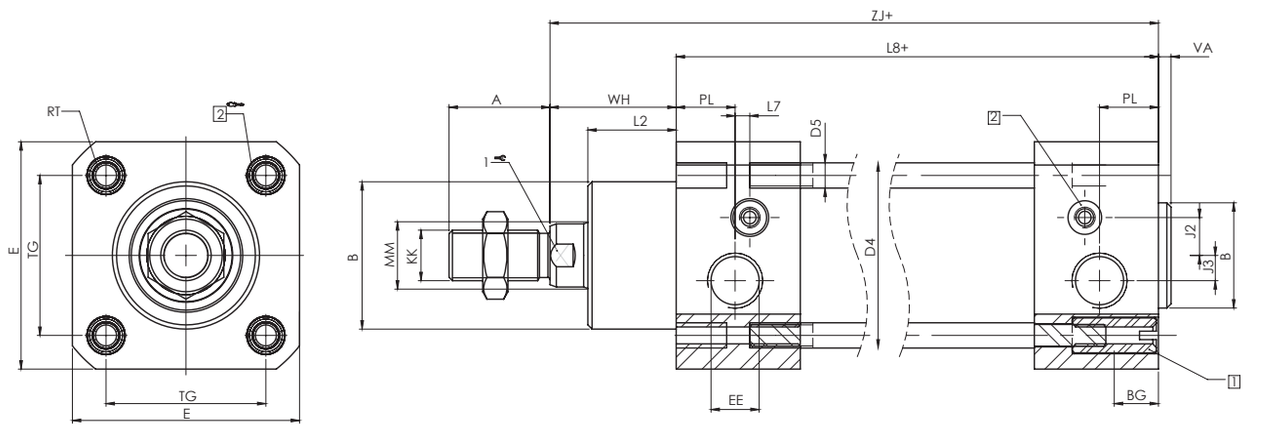
WXC - Serisi ISO 15552 Paslanmaz Silindirler / WXC - Series ISO 15552 INOX Cylinders



Özellikler / Specification

Piston Çapı / Bore Size	32	40	50
Çalışma Tipi / Acting Type	**Çift Etkili** / Double Acting		
Akışkan / Fluid	**Hava (40μm filtrelenmiş)** / Air (40μm filtered)		
Çalışma Basıncı / Op. Pressure	< 10 Bar		
Sıcaklık / Temperature	0 ~ +80 °C		
Manyetik / Magnetic	**Standart** / Standard		
Yastıklama Tipi / Cush. Type	**Ayarlı Yastıklama Opsiyonel** / Adjustable Cushinoed Optional		
Hız / Speed Range	< 800 mm/s		
Sensör / Sensör Switches	**WT-09**		

Teknik Çizim / Technical Drawing



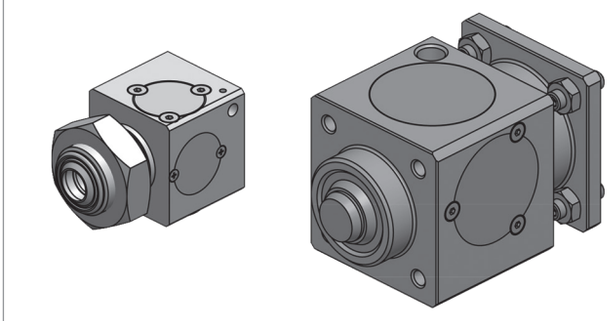
1 **Kapak bağlantı Somunu** / Cover Mounting Screws
2 **Ayarlanabilir Yastıklama Civatası** / Adjustable Cushioning Screws

Ø mm	A	B Ø d11	BG	DA Ø	DS Ø	E	EE	J2	J3	KK	L2	L7	L8	MM Ø	PL	RT	TG	VA	WH	ZJ	1	2	YAST BOYU CUSH. LENG.	MAX. STROK MAX STROKE
32	22	30	12.0	33.4	6	46	G1/8''	6	5.0	M10X1.25	18	2.5	93.5	12	15.5	M6	32.5	-	26	120	10			1500
40	24	35	12.5	41.5	6	54	G1/4''	9	6.0	M12X1.25	21	3.5	105.5	16	14.0	M6	38.0	-	30	135	14			1500
50	32	40	14.5	53.0	8	64	G1/4''	10	8.5	M16X1.5	28	5.0	106.0	20	14.0	M8	46.5	4	37	143	17			1500

Sipariş Kodu / Ordering Code

MODEL	MANYETİK MAGNETIC	YASTIKLAMA CUSHONING	ÇAP DIA.	STROK STROKE	MİL MALZEMESİ ROD METERIAL	MİL UZUNLUĞU ROD LENGHT	DİŞ TİPİ SCREW TYPE	DİŞ ÖLÇÜSÜ SCREW SIZE	DİŞ UZUNLUĞU SCREW LENGHT
WXC	**M**	**YY**	**032**	**0250**	**SS**	**L25**	**F**	**ZM18.H1.5**	**E15**
	BOŞ :MANYETİKSİZ Blank :Without Magnet M :MANYETİK M :With Magnet	BOŞ :YASTIKSIZ Blank :Uncushioned YY :YASTIKLI YY :Cushinoed	PİSTON ÇAPI (mm) Piston Dia	STROK (mm) Stroke	SS :PASLANMAZ Inox BOŞ :STANDART Blank :Standart	LX (mm) - BOŞ :STANDART Blank :Standart	F :DİŞİ Female BOŞ :STANDART Blank :Standart	Zx :ÇAP Dia Hx :Hatve Pitch BOŞ :STANDART Blank :Standart	Ex (mm) BOŞ :STANDART Blank :Standart

WI-RDLCK - Serisi Silindir Mil Kilitleri / WI-RDLCK Series Cylinder Rod Locks

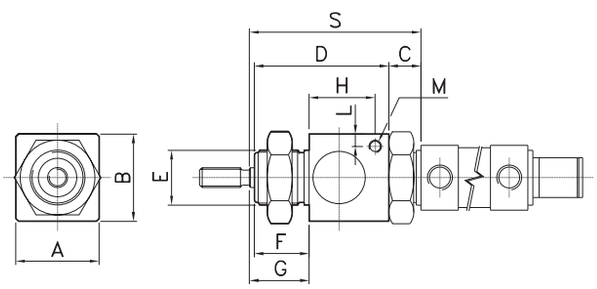


Özellikler / Specification

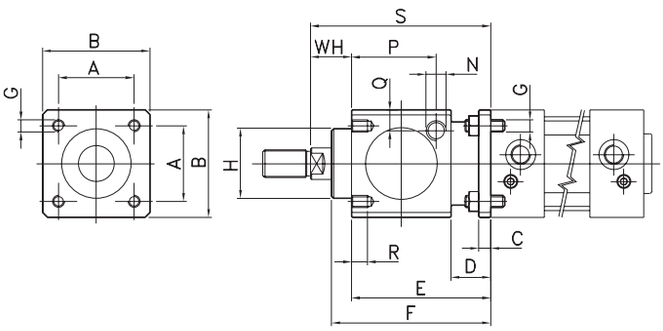
Piston Çapı / Bore Size	20	25	32	40	50	63	80	100	125
Çalışma Tipi / Acting Type	**Tek Etkili - Normade Kilitli** / Single Acting -Normally Locked								
Akışkan / Fluid	**Hava (40µm filtrelenmiş)** / Air (40µm filtered)								
Çalışma Basıncı / Op. Pressure	2,7 ~ 7,0 Bar								
Sıcaklık / Temperature	0 ~ +80 °C								
Tutma Kuvveti / Lock Force (Kg)	49	79	124	193	306	540	770	1024	

Teknik Çizim / Technical Drawing

WI-RDLCK.020/025



WI-RDLCK.032/125



Sadece statik durumda (mil durduktan sonra) kullanılır. / Cylinder rod lock is only used while cylinder at static position.
Dinamik durumda (mil hareket ederken) kullanım için bilgi alınız. / Please contact us for locking at oparation (movement)

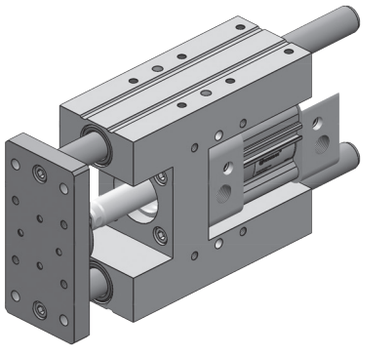
Ø mm	A	B	C	D	E	F	G	H	L	WH	N	P	Q	R	M	S	T
20	34.0	35.0	13.0	54.0	M22X1.5	22.0	26.0	27.0	5.0	-	-	-	-	-	M5	71.0	47.0
25	34.0	35.0	13.0	54.0	M22X1.5	22.0	28.0	27.0	5.0	-	-	-	-	-	M5	73.0	45.0
32	32.5	47.0	6.0	20.0	60.0	67.5	M6	30.0	-	26.0	G1/8	33.2	9.0	8.0	-	86.0	60.0
40	38.0	54.0	6.0	20.0	70.0	80.0	M6	34.9	-	30.0	G1/8	42.5	9.0	8.0	-	100.0	70.0
50	46.5	65.0	8.0	24.0	90.0	100.0	M8	40.0	-	37.0	G1/8	58.0	12.5	12.0	-	127.0	90.0
63	56.5	75.0	8.0	24.0	90.0	100.0	M8	45.0	-	37.0	G1/8	59.0	17.5	12.0	-	127.0	90.0
80	72.0	95.0	12.0	32.0	110.0	120.0	M10	45.0	-	46.0	G1/4	69.0	17.5	16.0	-	156.0	110.0
100	89.0	114.0	12.0	32.0	110.0	120.0	M10	55.0	-	51.0	G1/4	69.0	20.0	16.0	-	161.0	110.0
125	110.0	138.0	20.0	45.0	140.0	156.0	M12	60.0	-	65.0	G1/4	84.5	19.0	20.0	-	205.0	140.0

Sipariş Kodu / Ordering Code

MODEL	ÇAP DIA.
WI-RDLCK	**080**

STATİK MİL KİLİDİ Static Rod Lock	PİSTON ÇAPI (mm) Piston Dia

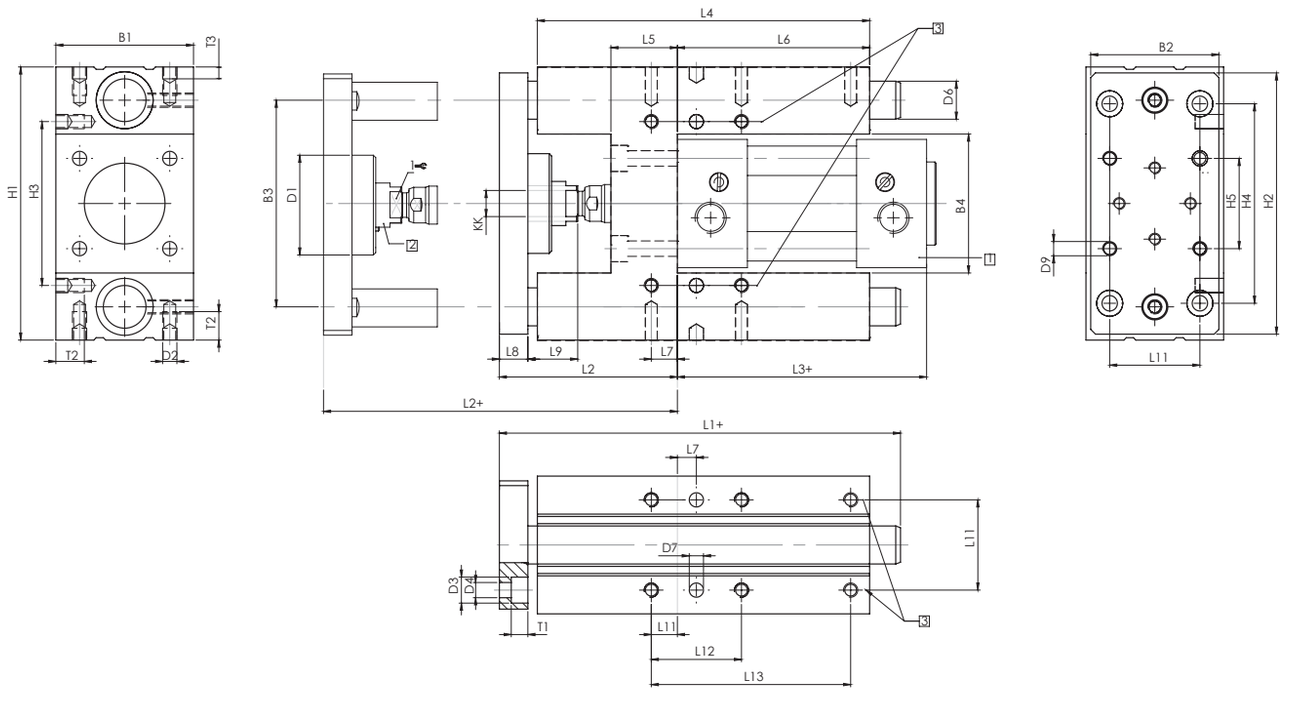
WHC - Serisi ISO 15552 İçin Yataklamalar / WHC- Series Guides For ISO 15552



Özellikler / Specification

Piston Çapı / Bore Size	32	40	50	63	80	100
Sıcaklık / Temperature	-20 ~ +80 °C					
Hız / Speed Range	< 800 mm/s					

Teknik Çizim / Technical Drawing



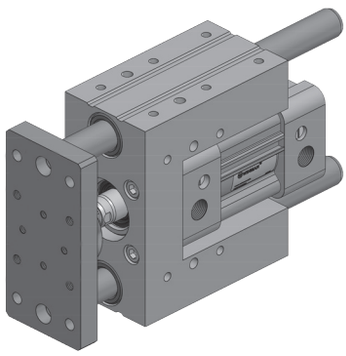
1 **ISO 15552 Silindir** / ISO 15552 Cylinder
2 **Kompanzatör Kaplin** / Compensator Coupling

Ø mm	B1 -0.3	B2	B3 -0.3	B4	D1 Ø	D2	D3 Ø	D4 Ø	D5	D6 Ø	D7 ±1	L6	L7	L8	L9	L11 ±0.2	L12 ±0.2	L13 ±0.2	T1	T2	T3	H1	H2	H3 ±0.2	H4 ±0.2	H5 ±0.2	KK	L1	L2	L3	L4	L5	1
32	50	45	74	50.0	42	M6	11	6.6	M6	12	4	76	11.0	12	20	4.30	32.5	70.3	6	10	5	97	95	61	78	32.5	M10X1.25	159	67 +5	94	125	24	15
40	58	54	87	58.5	42	M6	11	6.6	M6	16	6	81	8.0	12	20	11.0	38.0	84.0	7	12	5	115	110	69	84	38.0	M12X1.25	169	75+5	105	140	28	15
50	70	63	104	70.5	58	M8	15	8.5	M8	20	6	79	4.5	15	29	18.8	46.5	81.8	8	15	5	137	130	85	100	46.5	M16X1.5	187	89+10	106	150	34	21
63	85	80	119	85.5	58	M8	15	8.5	M8	20	6	111	13.0	15	29	15.3	56.5	105.0	8	16	5	152	145	100	105	56.5	M16X1.5	222	89+10	121	182	34	21
80	105	100	148	106.0	78	M10	18	11.0	M10	25	8	128	15.0	20	32	21.0	72.0	-	11	25	8	189	180	130	130	72.0	M20X1.5	258	111+10	128	215	40	27
100	130	130	172	131.0	78	M10	18	11.0	M10	25	8	128	20.0	20	32	24.5	89.0	-	11	25	8	213	200	150	150	89.0	M20X1.5	263	116+10	138	220	40	27

Sipariş Kodu / Ordering Code

MODEL	YATAKLAMA GUIDING	ÇAPI DIA	STROK STROKE
WHC	**R**	**050**	**0100**
H TİPİ YATAKLAMA H Type Guiding	R :RULMAN YATAKLAMALI Bearing Guide B :BURÇ YATAKLAMA Bushing Guide	PİSTON ÇAPI (mm) Piston Dia	STROK (mm) Stroke

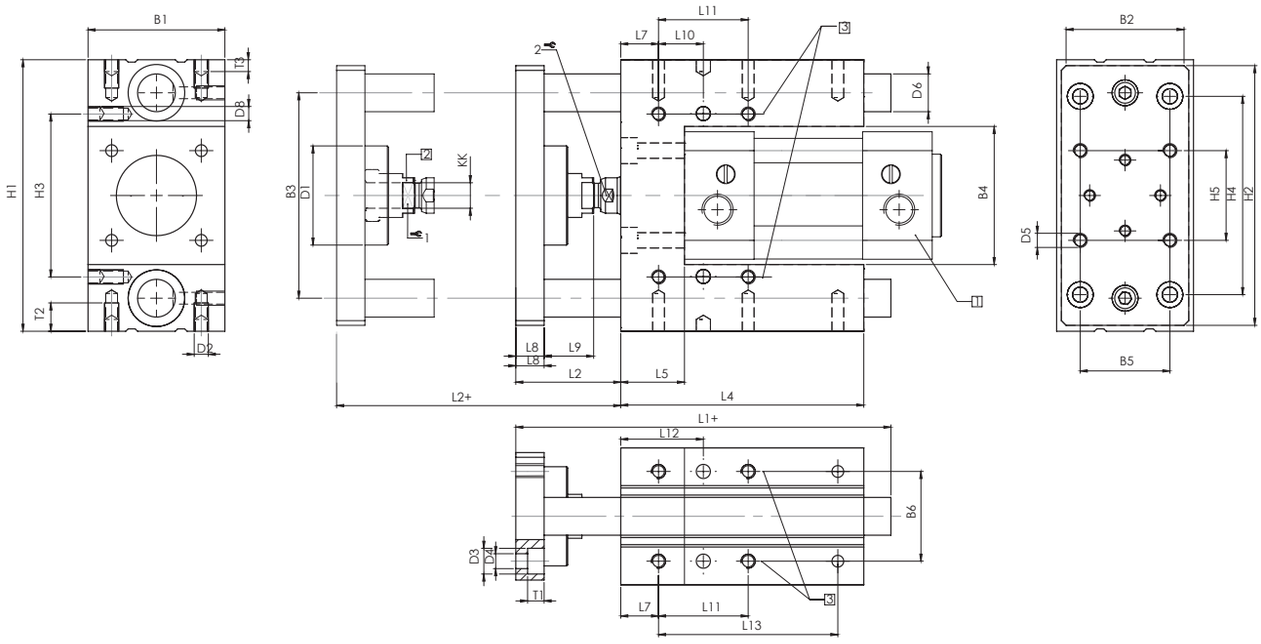
WUC - Serisi ISO 15552 İçin Yataklamalar / WUC- Series Guides For ISO 15552



Özellikler / Specification

Piston Çapı / Bore Size	32	40	50	63
Sıcaklık / Temperature	-20 ~ +80 °C			
Hız / Speed Range	< 800 mm/s			

Teknik Çizim / Technical Drawing



1 **ISO 15552 Silindir** / ISO 15552 Cylinders
2 **Kompanzatör Kaplin** / Compensator coupling

Ø mm	B1 -0.3	B2	B3 ±0.15	B4	B5	B6 ±0.15	D1 Ø	D2	D3 Ø	D4 Ø	D5	D6 Ø	D8 Ø H9	H1 -0.4	H2	H3 ±0.15	H4	H5	KK	L1	L2 +5	L4	L5	L7	L8	L9	L12 ±0.1	L11 ±0.15	L13	T1	T2	1	2
32	50	45	74	50.0	32.5	32.5	42	M6	11	6.5	M6	12	6	97	95	61	78	32.5	M12X1.25	154	-	85	24	20	12	21	35.0	32.5	-	6	10.5	15	10
40	58	54	87	58.5	38.0	38.0	42	M6	11	6.5	M6	16	6	115	110	69	84	38.0	M12X1.25	159	-	103	27	16	12	21	35.0	38.0	-	7	12.0	15	14
50	70	63	104	70.5	46.5	46.5	58	M8	15	8.5	M8	20	6	137	130	85	100	46.5	M16X1.5	182	-	110	37	17	15	29.5	40.3	46.5	82	8	16.0	21	17
63	85	80	119	8.5	56.5	56.5	58	M8	15	8.5	M8	20	6	152	145	100	105	56.5	M16X1.5	222	-	145	38	20	15	29.5	50.0	56.5	113	8	16.0	21	17

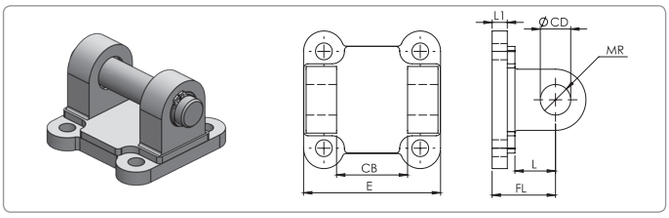
Sipariş Kodu / Ordering Code

MODEL	YATAKLAMA GUIDING	ÇAPI DIA	STROK STROKE
WUC	**R**	**050**	**0100**

U TİPİ YATAKLAMA U Type Guiding	R :RULMAN YATAKLAMALI Bearing Guide B :BURÇ YATAKLAMA Bushing Guide	PİSTON ÇAPI (mm) Piston Dia	STROK (mm) Stroke

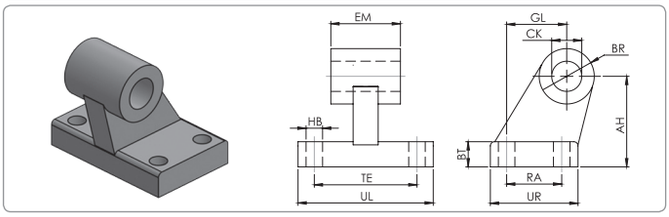
ISO 15552 Aksesuarları / ISO 15552 Accessories

WEB - Eklem Bağlantı / WEB Swivel Flange



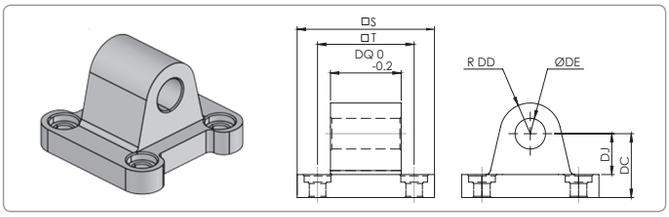
Ø mm	CB	CD	E	FL	L	L1
32	26	10	45	22	13	9
40	28	12	52	25	16	9
50	32	12	60	27	16	11
63	40	16	70	32	21	11
80	50	16	90	36	22	14
100	60	20	110	41	27	14
125	70	25	130	50	35	15

WYB - Yer Bağlantı / WYB Clevis Foot Mounting



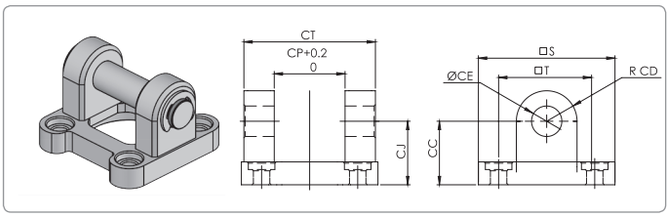
Ø mm	AH	BR	BT	CK	EM	GL	HB	RA	TE	UL
32	32	10	8	10	26	21	6.5	18	38	51
40	36	11	10	12	28	24	6.5	22	41	54
50	45	13	12	12	32	33	9	30	50	65
63	50	15	12	16	40	37	9	30	50	65
80	63	15	14	16	50	47	11	40	66	86
100	71	19	15	20	60	55	11	50	76	96
125	90	22	20	25	70	70	14	60	94	124

CA1 - Yer Bağlantı / CA1 Clevis Foot Mounting



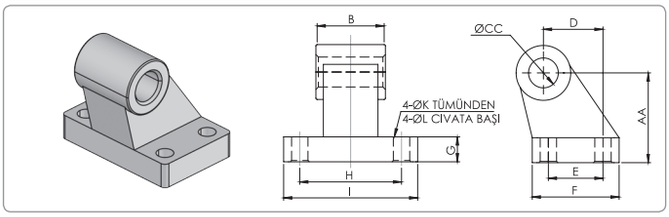
Ø mm	S	T	DC	DD	DE	DJ	DQ
32	47	32,5	22	9	10	13	25,8
40	52	38	25	10,5	12	16	27,8
50	64	46,5	27	11	12	17	31,7
63	74	56,5	32	13,5	16	22	39,7
80	94	72	36	14,5	16	22	49,7
100	113	89	41	17	20	27	59,7
125	139	110	50	22	25	33	69,7
160	180	140	55	30	30	35,5	89,7
200	220	175	60	30	30	37	89,7

F-SI CB Eklem Bağlantı / F-SI CB Swivel Flange



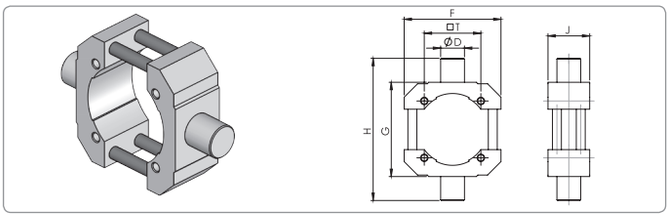
Ø mm	CC	CD	CE	CJ	CP	CT	S	T
32	22	9	10	13	26	45	47	32,5
40	25	10,5	12	16	28	52	52	38
50	27	11	12	17	32	60	64	46,5
63	32	13	16	22	40	70	74	56,5
80	36	14	16	22	50	90	94	72
100	41	17,5	20	27	60	110	113	89
125	50	21,5	25	33	70	130	139	110
160	55	30	30	35,5	90	170	180	140
200	60	30	30	36	90	170	220	175

F-SI CR Eklem Bağlantı / F-SI CR Swivel Flange



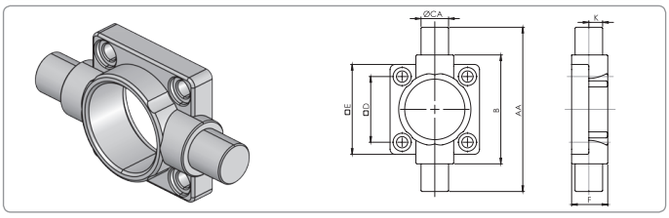
Ø mm	AA	B	CC	D	E	F	G	H	I	K	L
32	32	26	10	21	18	31	8	38	51	51	-
40	36	28	12	24	22	35	10	41	54	54	-
50	45	32	12	33	30	45	12	50	65	65	-
63	50	40	16	37	35	50	12	52	67	67	-
80	63	50	16	47	40	60	14	66	86	86	18
100	71	60	20	55	50	70	15	76	96	96	18
125	90	70	25	70	60	90	20	94	124	124	20
160	115	90	30	97	88	126	25	118	156	156	20
200	135	90	30	105	90	130	30	122	162	162	26

TC - Orta Mafsal Bağlantı / TC - Turnion Mounting



Ø mm	D	F	G	H	J	T
32	12	52	50	74	22	32,5
40	16	65	63	95	28	38
50	16	75	75	107	28	46,5
63	20	90	90	130	30	56,5
80	20	112	110	150	32	72
100	25	135	132	182	38	89
125	25	170	160	210	40	110
160	32	210	200	264	50	140
200	32	255	250	314	50	175

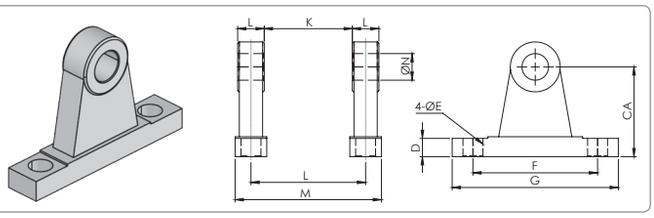
FTC - Döner Flanş / FTC - Turnion Flange



Ø mm	AA	B	CA	D	E	F	K
32	74	50	12	32,5	46	19	10
40	95	63	16	38	52	21	10
50	107	75	16	6,5	64	26	12
63	130	90	20	56,5	74	28	12
80	150	110	20	72	94	31	16
100	182	132	25	89	114	35	16
125	210	160	25	110	139	43	20
160	164	200	32	140	179	56	20
200	314	250	32	175	218	64	20

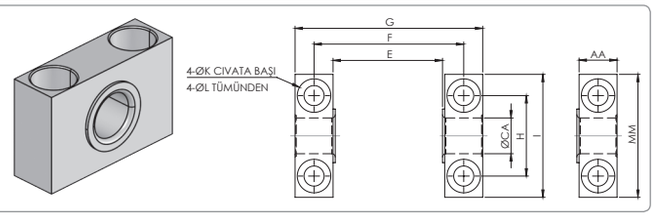
ISO 15552 Aksesuarları / ISO 15552 Accessories

TCM1 - Döner Flanş / TCM1 - Swivel Flange



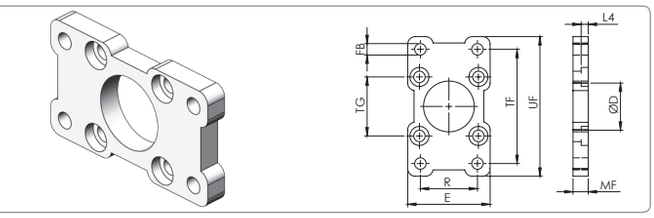
Ø mm	CA	D	E	F	G	I	K	L	M	N
32	40	11	9	60	80	12	50	62	77	12
40	54	11	12	75	100	16	63	79	98	16
50	54	11	12	75	100	16	75	91	110	16
63	70	11	12	85	110	20	90	110	133	20
80	70	11	12	85	110	20	110	130	153	20
100	90	19	18	115	155	25	132	157	185	25
125	90	19	18	115	155	25	160	185	213	25
160	10	24	22	140	190	32	200	232	267	32
200	135	27	22	150	200	32	250	282	317	32

TCM2 - Döner Flanş / TCM2 - Swivel Flange



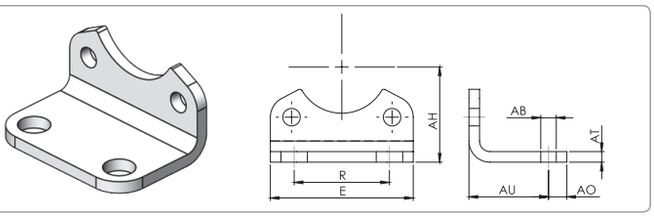
Ø mm	CA	AA	E	F	G	H	I	K	L	M
32	12	14	50	66	80	32	46	11	7	30
40	16	17	63	82	99	36	55	15	9	36
50	16	17	75	94	111	36	55	15	9	36
63	20	20,5	90	1135,5	134	42	65	18	11	40
80	20	20,5	110	133,5	154	42	65	18	11	40
100	25	24,5	132	159,5	184	50	75	20	14	50
125	25	24,5	160	187,5	212	50	75	20	14	50
160	32	30	200	234	264	60	92	26	18	60
200	32	30	250	284	314	60	92	26	18	60

WFB - Flanş Bağlantı / WFB - Flange Mounting



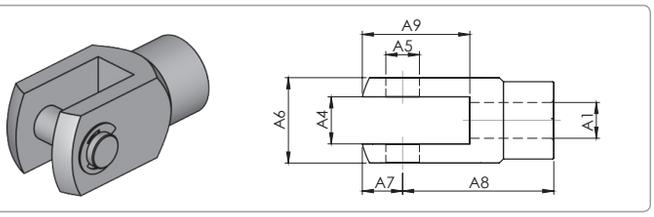
Ø mm	D	E	FB	L4	MF	R	TF	TG	UF
32	30	45	7	5	10	32	64	32.5	80
40	35	54	9	5	10	36	72	38	90
50	40	65	9	6.5	12	45	90	46.5	110
63	45	76	9	6.5	12	50	100	56.5	120
80	45	94	12	9	16	63	126	72	150
100	55	112	14	9	16	75	150	89	175
125	60	135	16	10.5	20	90	180	110	210

WAB - Ayak Bağlantı / WAB - Foot Mounting



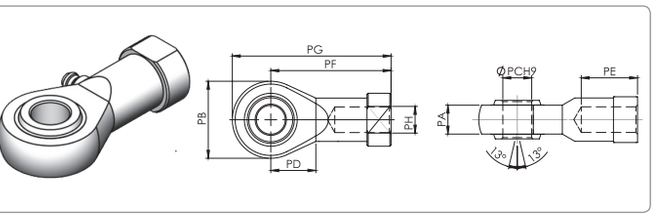
Ø mm	AB	AH	AO	AT	AU	E	R
32	7	32	8	5	24	45.5	32
40	10	36	9	5	28	54.5	36
50	10	45	9	6	32	65	45
63	10	50	12	6	32	76	50
80	12	63	15	6	41	94	63
100	14	71	17	6	41	112	75
125	16	90	22	8	45	131	90

WCB - Çatal Bağlantı / WCB - Rod Clevis



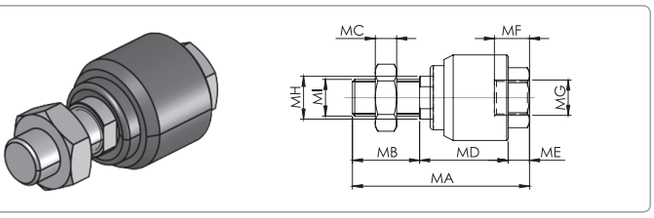
Ø mm	A1	A4	A5	A6	A7	A8	A9
32	M10X1.25	10	10	20	12	40	32
40	M12X1.25	12	12	24	14	48	38
50	M16X1.5	16	16	32	19	64	51
63	M16X1.5	16	16	32	19	64	51
80	M20X1.5	20	20	40	25	80	65
100	M20X1.5	20	20	40	25	80	65
125	M27X2.0	25	25	50	38	110	92

WGM - Göz Mafsal / WGM - Rod-eye Joint



Ø mm	PA	PB	PC	PD	PE	PF	PG	PH
32	14	28	10	26	20	43	57	M10X1.25
40	16	32	12	30	22	50	66	M12X1.25
50	21	42	16	39	28	64	85	M16X1.5
63	21	42	16	39	28	64	85	M16X1.5
80	25	50	20	46	33	77	102	M20X1.5
100	25	50	20	46	33	77	102	M20X1.5
125	37	70	30	64	51	110	145	M27X2.00

WKA - Kasıntı Alıcı / WKA - Float Connect



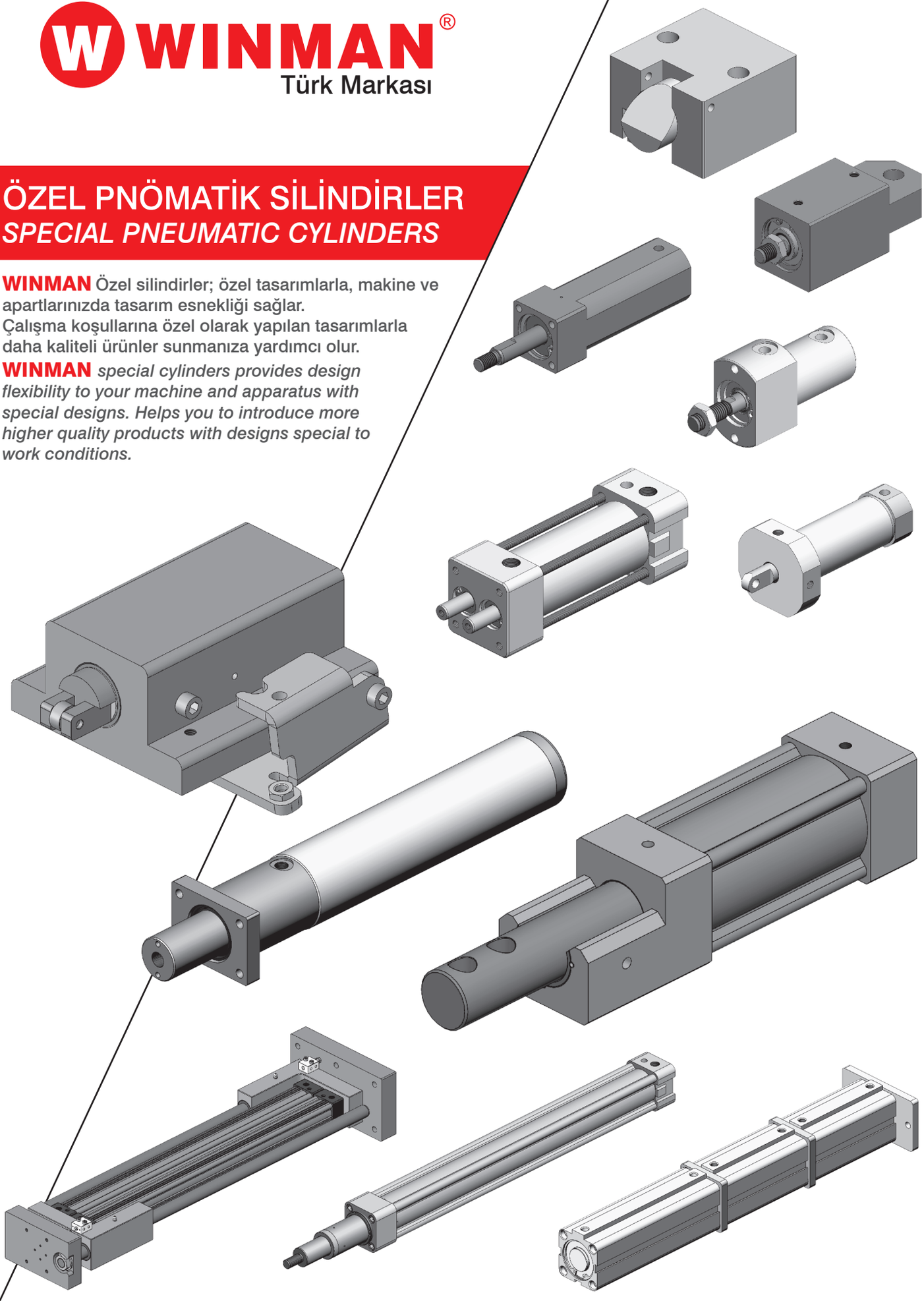
Ø mm	MA	MB	MC	MD	MF	MG	MH	MI
32	60	22	7	30	15	M10X1.25	10	M10X1.25
40	67	22	8	35.5	17	M12X1.25	12	M12X1.25
50	92	24.5	8	55.5	24	M16X1.5	17	M16X1.5
63	92	24.5	8	55.5	24	M16X1.5	17	M16X1.5
80	105	31	8	57.5	29	M20X1.5	22	M20X1.5
100	105	31	8	57.5	29	M20X1.5	22	M20X1.5
125	121	35	10	71	34	M27X2.0	30	M27X2.0

WINMAN®
Türk Markası

ÖZEL PNÖMATİK SİLİNDİRLER
SPECIAL PNEUMATIC CYLINDERS

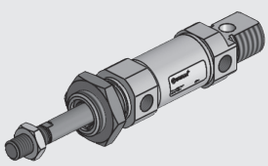
WINMAN Özel silindirler; özel tasarımlarla, makine ve apartlarınızda tasarım esnekliği sağlar.
Çalışma koşullarına özel olarak yapılan tasarımlarla daha kaliteli ürünler sunmanıza yardımcı olur.

WINMAN *special cylinders provides design flexibility to your machine and apparatus with special designs. Helps you to introduce more higher quality products with designs special to work conditions.*

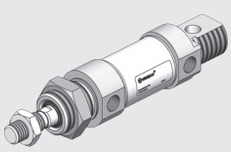


ISO 6432 SERİSİ PNÖMATİK SİLİNDİRLER
ISO 6432 SERIES PNEUMATIC CYLINDERS

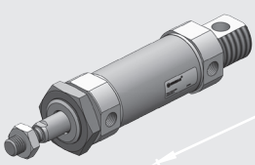
3



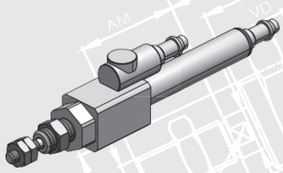
WSSC - Serisi ISO 6432 Silindirler
WSSC - Series ISO 6432 Cylinders



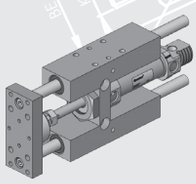
WSXC - Serisi ISO 6432 Paslanmaz Silindirler
WSXC - Series ISO 6432 INOX Cylinders



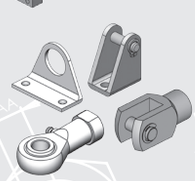
WSSRC - Serisi Silindirler
WSSRC - Series Cylinders



PB - Serisi Mikro Silindirler
PB - Serisi Micro Cylinders



WHC - ISO 6432 İçin Yataklama
WHC - ISO 6432 Guides

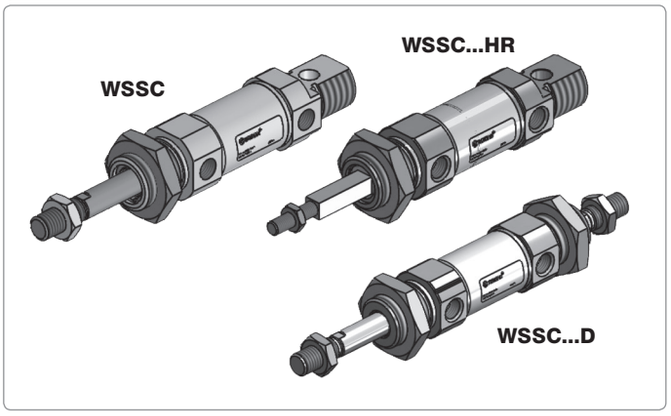


ISO 6432 Aksesuarları
ISO 6432 Accessories

Hid-tek ölçü ve modellerde değişiklik yapma hakkına sahiptir.
Detaylı teknik bilgi için hid-tek ofisleri ile irtibata geçiniz.

Hid-tek has the right to make changes in dimensions and models
For detailed technical Contactation please contact hid-tek office.

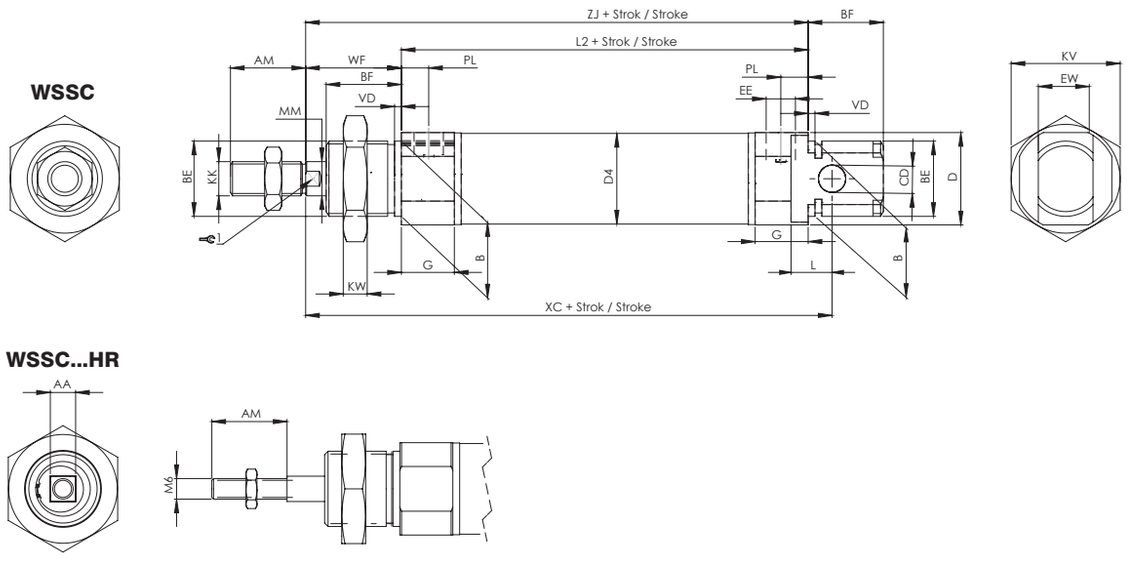
WSSC - Serisi ISO 6432 Silindirler / WSSC - Series ISO 6432 Cylinders



Özellikler / Specification

Piston Çapı / Bore Size	8	10	12	16	20	25
Çalışma Tipi / Acting Type	**Çift Etkili** / Double Acting					
Akışkan / Fluid	**Hava (40µm filtrelenmiş)** / Air (40µm filtered)					
Çalışma Basıncı / Op. Pressure	< 10 Bar					
Sıcaklık / Temperature	0 ~ +80 °C					
Manyetik / Magnetic	**Opsiyonel** / Optional					
Yastıklama Tipi / Cush. Type	-			Ayarlı Yast. / Adjustable Cush.		
Hız / Speed Range	< 800 mm/s					
Sensör / Sensör Switches	WT-05/WT-15 + BK81		WT-50 + BL01			

Teknik Çizim / Technical Drawing



Ø mm	AM	B Ø h9	BE	BF	CD Ø h9	D Ø	D4 Ø	EE	EW	G	KK	KV	KW	L	L2	MM Ø	PL	VD	WF	XC ±1	ZJ	ZM	ZN	AA	1	YASTIKLAMA BOYU	STANDART MAX. BOY
8	12	12	M12X1.25	12	4	16	9.30	M5	8	9	M4X0.70	15	6	6	46	4	6	2	16	64	62	78	62	-	-	-	200
10	12	12	M12X1.25	12	4	16	11.30	M5	8	9	M4X0.70	15	6	6	46	4	6	2	16	64	62	78	62	-	-	-	200
12	16	16	M16X1.50	17	6	20	13.30	M5	12	9	M6X1.00	19	8	9	50	6	6	2	22	75	72	94	72	-	5	-	250
16	16	16	M16X1.50	17	6	20	17.30	M5	12	10.50	M6X1.00	22	8	9	56	6	6	2	22	82	78	100	78	-	5	13.0	250
20	20	22	M22X1.50	18	8	30	21.30	G1/8	16	15.50	M8X1.25	27	11	12	68	8	6	2	22	95	72	94	72	7,4	5	12.5	400
25	22	22	M22X1.50	22	8	30	26.50	G1/8	16	15.50	M10X1.25	27	11	12	69	10	8	2	28	104	97.50	120	92	7,4	9	11.5	500

Sipariş Kodu / Ordering Code

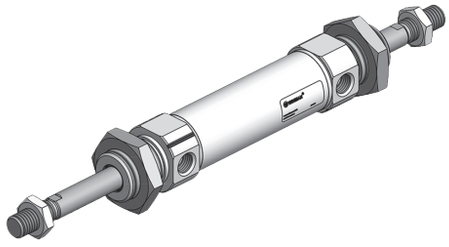
MODEL	OPSİYON OPTIONS	MANYETİK MAGNETIC	YASTIKLAMA CUSHONING	ÇAP DIA.	STROK STROKE	MİL UZUNLUĞU ROD LENGHT	DİŞ TİPİ SCREW TYPE	DİŞ ÖLÇÜSÜ SCREW SIZE	DİŞ UZUNLUĞU SCREW LENGHT
WSSC	**D**	**M**	**YY**	**025**	**0050**	**L25**	**F**	**ZM8.H1.0**	**E15**

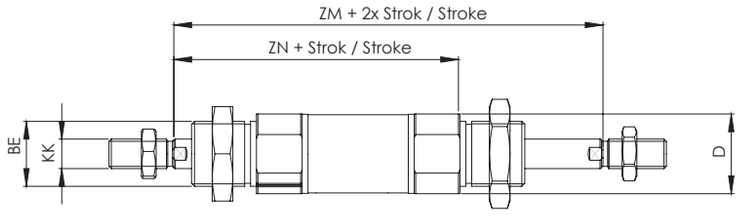
	BOŞ : STANDART – Blank Standart **D** : ÇİFT MİLLİ – Double Rod **J** : STROK AYARLI – Stroke Adjustable **HR** : DÖNMEZ MİLLİ – Hegzagonal Roc **FS** : ÖNDEN YAYLI (50mm ye Kadar) – Front Spring (Up to 50mm) **RS** : ARKADAN YAYLI (50mm ye Kadar) – Rear Spring (Up to 50(mm) **V** : SICAĞA DAYANIKLI 150° Sıcaklığa Kadar – Heat Resistance (Up to 150°C)	**BOŞ** :MANYETİKSİZ Blank :Without Magnet **M** :MANYETİK M :With Magnet	**BOŞ** :YASTIKSIZ Blank :Uncushioned **YY** :YASTIKLI YY :Cushinoed	**PİSTON ÇAPI (mm)** Piston Dia	**STROK (mm)** Stroke	**LX (mm)** - **BOŞ** :STANDART Blank :Standart	**F** :DİŞİ Female **BOŞ** :STANDART Blank :Standart	**Zx** :ÇAP Dia **Hx** :Hatve Pitch **BOŞ** :STANDART Blank :Standart	**Ex (mm)** **BOŞ** :STANDART Blank :Standart

WSSC - Serisi ISO 6432 Silindirler / WSSC - Series ISO 6432 Cylinders

Çift Milli Silindirler / Trough Rod Cylinders

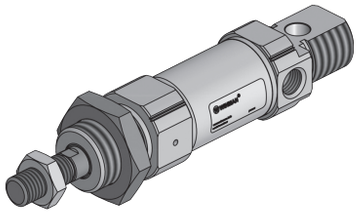
WSSC.M.YY.025.0050.D
Ø Strok / Stroke

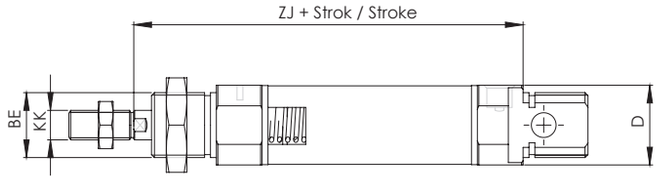




Önden Yaylı Silindirler / Single Act. Front Spring Cylinders

WSSC.M.YY.025.0050.FY
Ø Strok / Stroke

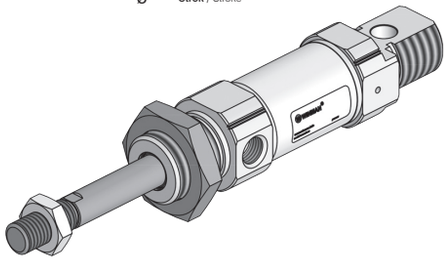


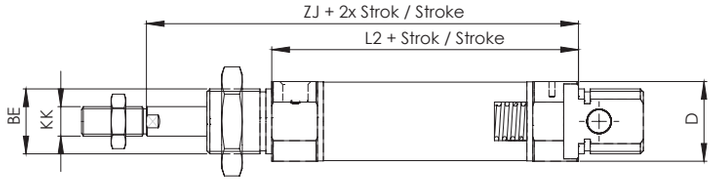


50 mm kurs üzeri için bilgi alınız.
Contact us above 50 mm stroke

Arkadan Yaylı Silindirler / Rear Spring Cylinders

WSSC.M.YY.025.0050.RY
Ø Strok / Stroke

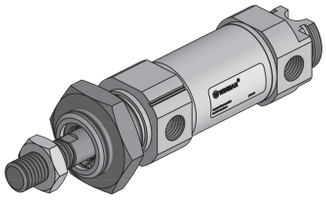


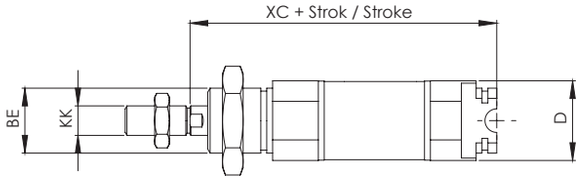


50 mm kurs üzeri için bilgi alınız.
Contact us above 50 mm stroke

Kısaltılmış Silindirler / Short Cap Cylinders

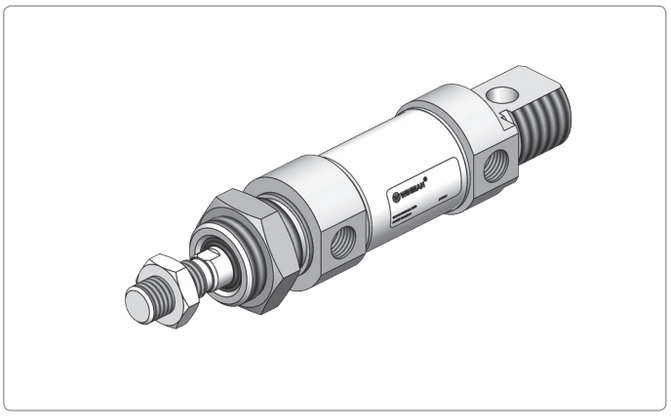
WSSC.M.YY.025.0050.K3
Ø Strok / Stroke





Ø mm	ZM	ZN	ZJ	L2	XC ±1	BE	KK	D Ø
8	78	62	62	46	64	M12X1.25	M4X0.70	16
10	78	62	62	46	64	M12X1.25	M4X0.70	16
12	94	72	72	50	75	M16X1.50	M6X1.00	20
16	100	78	78	56	82	M16X1.50	M6X1.00	20
20	116	92	92	68	95	M22X1.50	M8X1.25	30
25	120	92	97.50	69	104	M22X1.50	M10X1.225	30

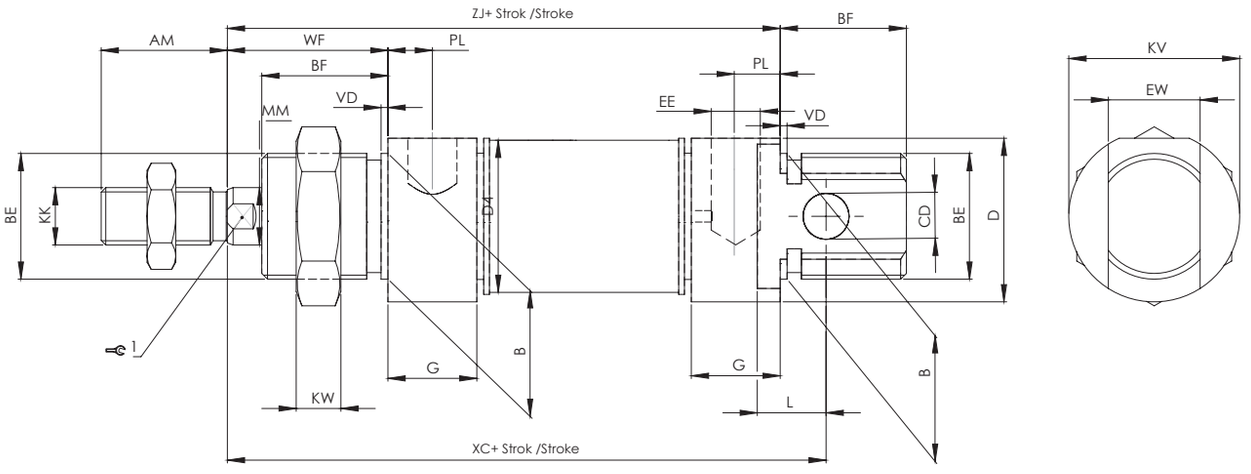
WSXC - Serisi ISO 6432 Paslanmaz Silindirler / WSXC - Series ISO 6432 INOX Cylinders



Özellikler / Specification

Piston Çapı / Bore Size	16	20	25
Çalışma Tipi / Acting Type	Çift Etkili / Double Acting		
Akışkan / Fluid	**Hava (40µm filtrelenmiş)** / Air (40µm filtered)		
Çalışma Basıncı / Op. Pressure	< 10 Bar		
Sıcaklık / Temperature	0 ~ +80 °C		
Manyetik / Magnetic	**Standart** / Standard		
Yastıklama Tipi / Cush. Type	-	-	**Ayarlı Yast.** / Adjustable Cush.
Hız / Speed Range	< 800 mm/s		
Sensör / Sensör Switches	**WT-50 + BL01**		

Teknik Çizim / Technical Drawing

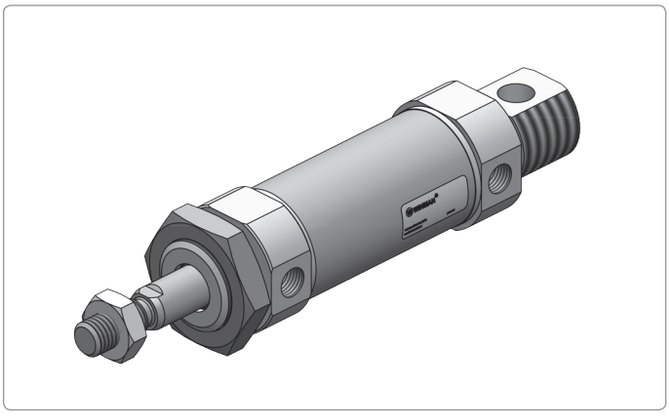


Ø mm	AM	B Ø h9	BE	BF	CD Ø h9	D Ø	D4 Ø	EE	EW	G	KK	KV	KW	L	L2	MM Ø	PL	VD	WF	XC ±1	ZJ	ZM	ZN	1	YAST. BOYU CUSH. LENG.	MAX. STROK MAX. STROKE
16	16	16	M16X1.50	22	5	20	17.30	M5	12	10.50	M6X1.00	22	8	9	56	6	6	2	22	82	78	100	78	5	13,0	250
20	20	22	M22X1.5	27	6	30	21.30	G1/8	16	15.50	M8X1.12	27	11	12	68	8	6	2	24	95	92	116	92	7	12.5	400
25	22	22	M22X1.50	27	6	30	26.50	G1/8	16	15.50	M10X1.25	27	11	12	69	10	8	2	28	104	97.50	120	92	9	11.5	500

Sipariş Kodu / Ordering Code

MODEL	MANYETİK MAGNETIC	YASTIKLAMA CUSHONING	ÇAP DIA.	STROK STROKE	MİL UZUNLUĞU ROD LENGHT	DİŞ TİPİ SCREW TYPE	DİŞ ÖLÇÜSÜ SCREW SIZE	DİŞ UZUNLUĞU SCREW LENGHT
WSXC	**M**	**YY**	**025**	**0050**	**L25**	**F**	**ZM8.H1.0**	**E15**
	BOŞ :MANYETİKSİZ Blank :Without Magnet **M :MANYETİK** M :With Magnet	**BOŞ :YASTIKSIZ** Blank :Uncushioned **YY :YASTIKLI** YY :Cushinoed	**PİSTON ÇAPI (mm)** Piston Dia	**STROK (mm)** Stroke	**LX (mm)** - **BOŞ :STANDART** Blank :Standart	**F :DİŞİ** Female **BOŞ :STANDART** Blank :Standart	**Zx :ÇAP** Dia **Hx :Hatve** Pitch **BOŞ :STANDART** Blank :Standart	**Ex (mm)** **BOŞ :STANDART** Blank :Standart

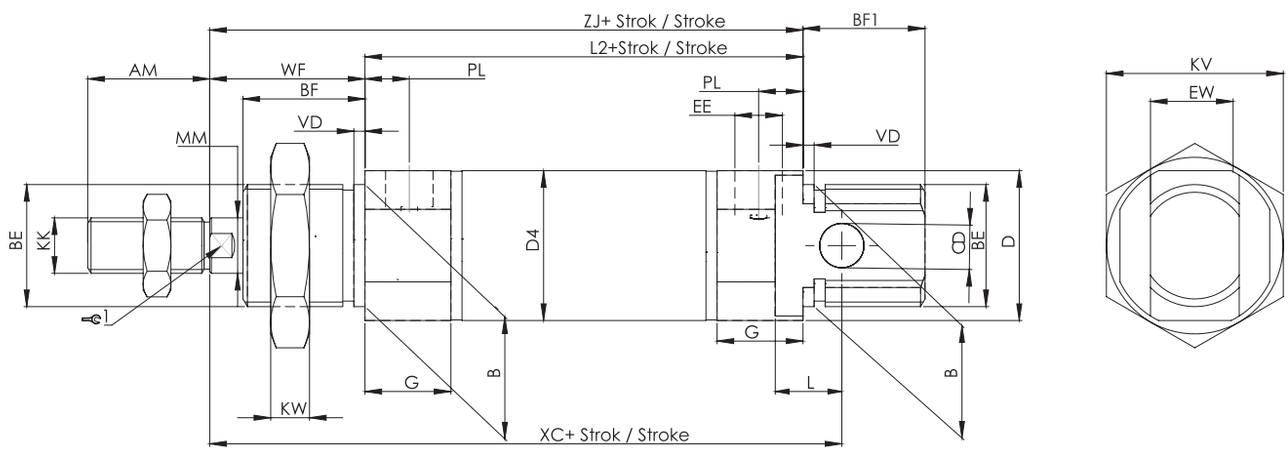
WSSRC - Serisi Silindirler / WSSRC - Series Cylinders



Özellikler / Specification

Piston Çapı / Bore Size	32	40
Çalışma Tipi / Acting Type	**Çift Etkili** / Double Acting	
Akışkan / Fluid	**Hava (40µm filtrelenmiş)** / Air (40µm filtered)	
Çalışma Basıncı / Op. Pressure	< 10 Bar	
Sıcaklık / Temperature	-30 ~ +80 °C	
Manyetik/Magnetic	**Opsiyonel** / Optional	
Yastıklama Tipi / Cush. Type	**Ayarlı Yast.** / Adjustable Cush.	
Hız / Speed Range	< 800 mm/s	
Sensör / Sensör Switches	**WT-50 + BL01**	

Teknik Çizim / Technical Drawing



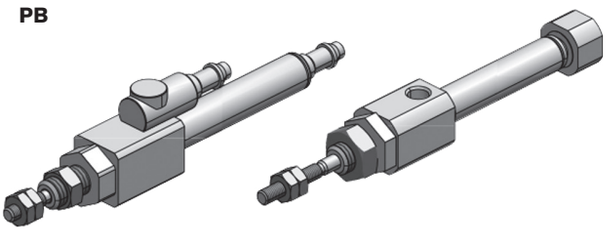
Ø mm	AM	B Ø h9	BE	BF	BF1	CD Ø h9	D Ø	D4 Ø	EE	EW	G	KK	KV	KW	L	L2	MM Ø	PL	VD	WF	XC ±1	ZJ	1	YAST. BOYU CUSH. LENG.	MAX. STROK MAX STROKE
32	22	26	M26X1.5	13	27	10	37	33.4	G1/8"	20	15.0	M10X1.25	34	8.0	13	64	12	13	2.5	21	100	85	10	14.8	2000
40	24	32	M32X2.2	16	27	10	46	41.5	G1/4'	20	21.5	M12X1.25	42	8.5	14	88	16	14	2.5	21	124	113	14	16.8	2000

Sipariş Kodu / Ordering Code

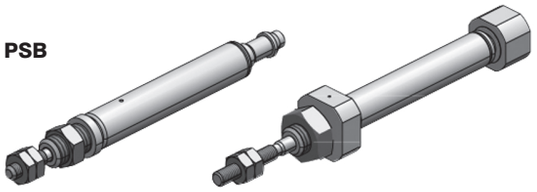
MODEL	MANYETİK MAGNETIC	YASTIKLAMA CUSHONING	ÇAP DIA.	STROK STROKE	MİL UZUNLUĞU ROD LENGHT	DİŞ TİPİ SCREW TYPE	DİŞ ÖLÇÜSÜ SCREW SIZE	DİŞ UZUNLUĞU SCREW LENGHT
WSSRC	**M**	**YY**	**032**	**0050**	**L25**	**F**	**ZM8.H1.0**	**E15**
	BOŞ :MANYETİKSİZ Blank :Without Magnet **M :MANYETİK** M :With Magnet	**BOŞ :YASTIKSIZ** Blank :Uncushioned **YY :YASTIKLI** YY :Cushinoed	**PİSTON ÇAPI (mm)** Piston Dia	**STROK (mm)** Stroke	**LX (mm)** - **BOŞ :STANDART** Blank :Standart	**F :DİŞİ** Female **BOŞ :STANDART** Blank :Standart	**Zx :ÇAP** Dia **Hx :Hatve** Pitch **BOŞ :STANDART** Blank :Standart	**Ex (mm)** **BOŞ :STANDART** Blank :Standart

PB - Serisi Mikro Silindirler / PB - Serisi Micro Cylinders

PB



PSB

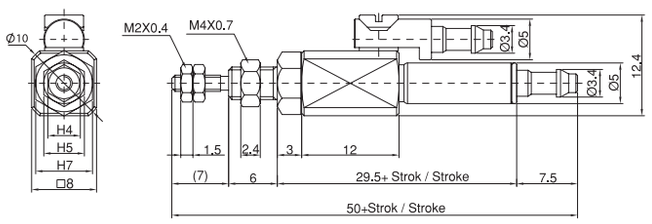


Özellikler / Specification

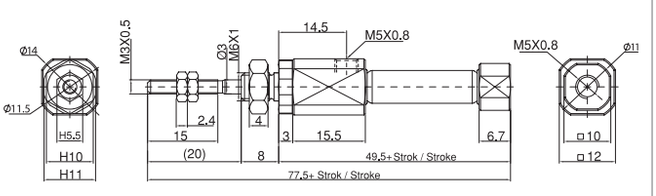
Piston Çapı / Bore Size		4	6
Çalışma Tipi / Action Type		**Çift Etkili** Double Acting	**Çift Etkili** Double Acting
		Tek Etkili (Önden Yaylı) Single Acting (Push)	-
Akışkan / Fluid		**Hava (40μm filtrelenmiş)** / Air (40μm filtered)	
Çalışma Basıncı Op. Pressure	**Çift Etkili** Double Acting	2.0 ~ 7.0 bar	1.2 ~ 7.0 bar
	Tek Etkili Single Acting	3.0 ~ 7.0 bar	2.0 ~ 7.0 bar
Sıcaklık / Temperature		0 ~ 70˚C	
Manyetik / Magnetic		-	**Standart** / Standard
Yastıklama Tipi / Cushion Type		-	**Tampon** / Bumper
Hız Aralığı / Speed Range (mm/s)		50 ~ 500	50 ~ 750
Sensör / Sensor		WT-05 + BK81	

Teknik Çizim / Technical Drawing

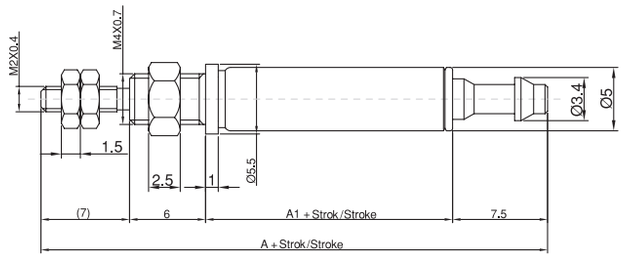
PB.004



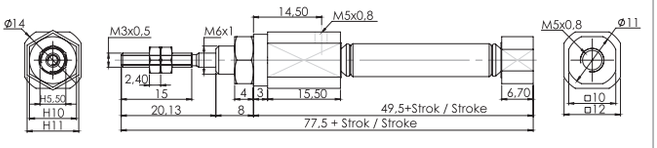
PB.006



PSB.004



PSB.006



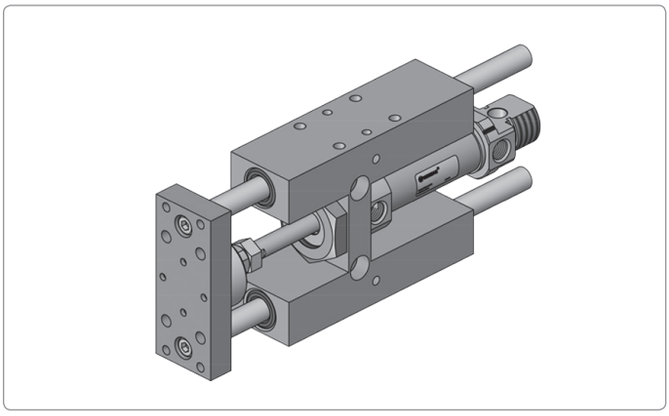
Sensörler / Sensors

Sipariş Kodu / Ordering Code

MODEL MODEL	PİSTON ÇAPI mm. BORE SİZE mm	STROK STROKE
PB	**006**	**0030**

PB	ÇİFT ETKİLİ Double Acting	PİSTON ÇAPI (mm) Piston Dia	STROK (mm) Stroke
PSB	TEK ETKİLİ (ÖNDEN YAYLI) Double Acting (Push Type)		

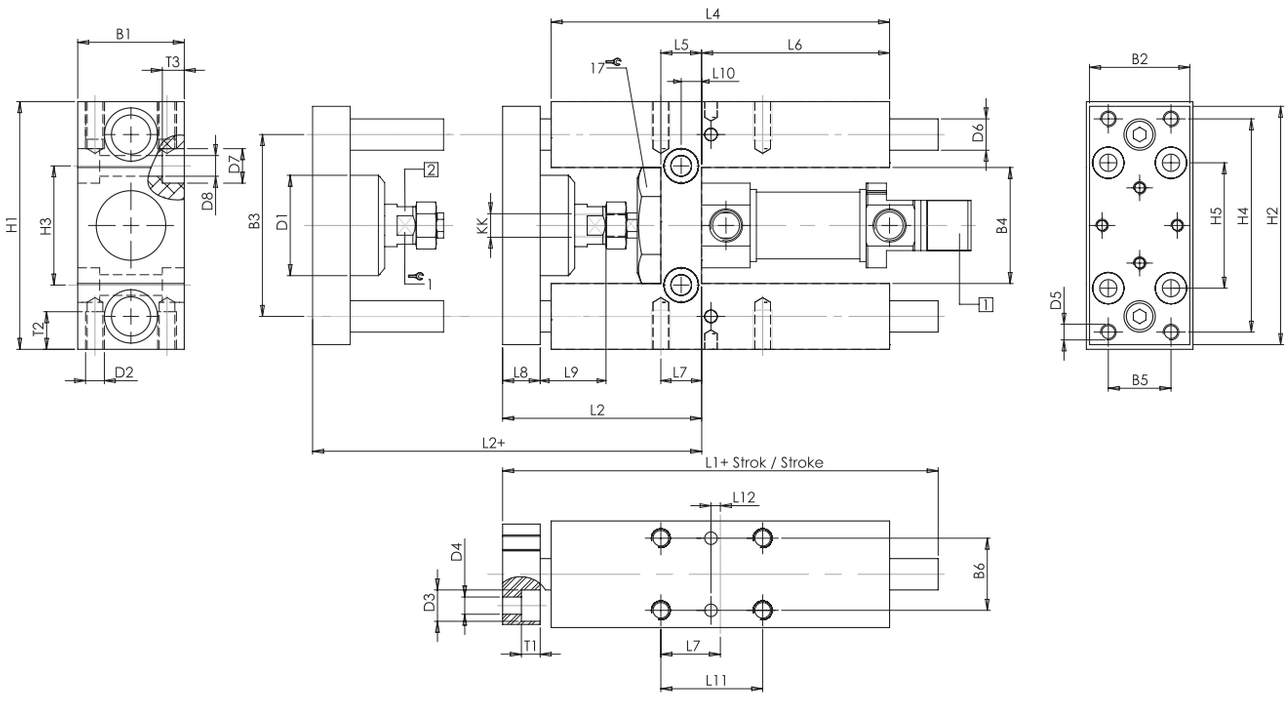
WHC - ISO 6432 İçin Yataklama / WHC - ISO 6432 Guides



Özellikler / Specification

Piston Çapı / Bore Size	20	25
Sıcaklık / Temperature	-20 ~ +80 °C	
Hız / Speed Range	< 800 mm/s	

Teknik Çizim / Technical Drawing



1 **ISO 6432 Silindir** / ISO 6432 Cylinder
2 **Kompanzatör Kaplin** / Compensator Coupling

Ø mm	B1 -0.3	B2	B3 -0.2	B4	B5	B6	D1 Ø	D2	D3 Ø	D4 Ø	D5	D6 Ø	D7 Ø	D8 Ø	H1 ±0.4	H2	H3 ±0.2	H4	H5	KK	L1	L2 +5	L4	L5	L6	L7	L8	L9	L10	L11 ±0.2	L12 ±0.1	11	12	13	1	2
20	34	32	57	36	20	23	32	M6	10	5.50	M5	10	11	6.60	78	76	38	68	40	M8	139	63	108	13	60	18	12	20	6.50	32.50	3.0	6.0	14	7.0	12	32
25	34	32	57	36	20	23	32	M6	10	5.50	M5	10	11	6.60	78	76	38	68	40	M10X1.25	139	65	108	17	58	19	12	20	8.50	32.50	3.0	.0	14	7.0	12	32

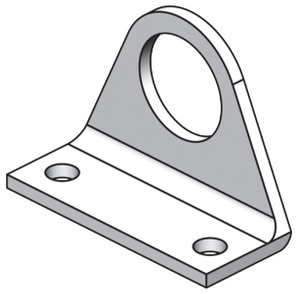
Sipariş Kodu / Ordering Code

MODEL	YATAKLAMA GUIDING	ÇAP DİA	STROK STROKE
WHC	**R**	**025**	**0100**

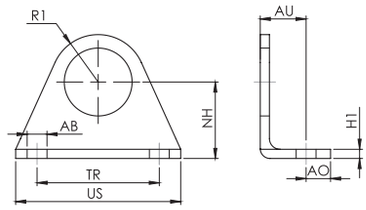
H TİPİ YATAKLAMA H Type Guiding	R :RULMAN YATAKLAMALI Bearing Guide B :BURÇ YATAKLAMA Bushing Guide	PİSTON ÇAPI (mm) Piston Dia	STROK (mm) Stroke

ISO 6432 Aksesuarları / ISO 6432 Accessories

WAB - Ayak Bağlantı / WAB - Foot Mounting

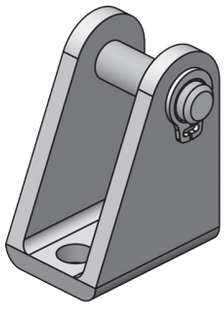


Teknik Çizim / Technical Drawing

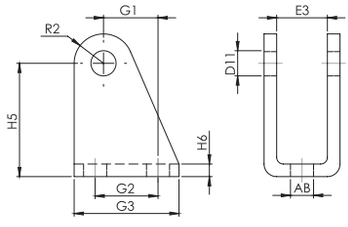


Ø mm	AB	AO	AU	H1	NH	R1	TR	US
12	5.5	6	14	4	20	13	32	42
16	5.5	6	14	4	20	13	32	42
20	6.6	8	17	5	25	20	40	54
25	6.6	8	17	5	25	20	40	54

WEB - Eklem Bağlantı / WEB - Swivel Mounting

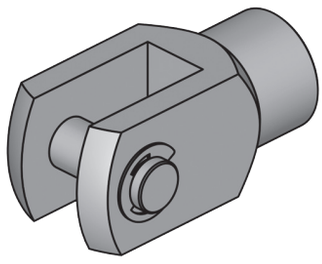


Teknik Çizim / Technical Drawing

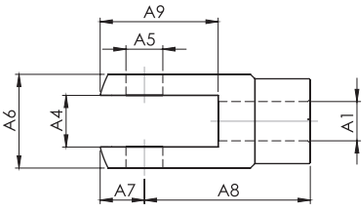


Ø mm	AB	D11	E3	G1	G2	G3	H5	H6	R2
12	5.5	6	12.1	13	15	25	27	3	7
16	5.5	6	12.1	13	15	25	27	3	7
20	6.6	8	16.1	16	20	32	30	4	10
25	6.6	8	16.1	16	20	32	30	4	10

WCB - Çatal Bağlantı / WCB - Rod Clevis

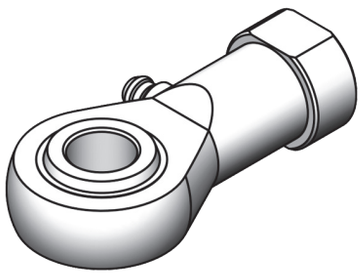


Teknik Çizim / Technical Drawing

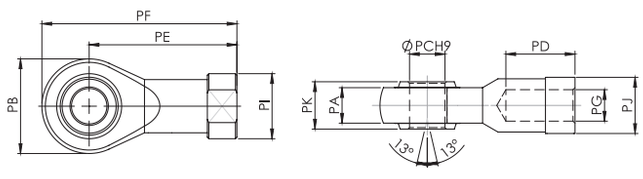


Ø mm	D1	F2	F3	F4	F5	F6
12	M4	4	8	5	16	13
16	M6	6	12	7	24	19
20	M8	8	16	10	32	26
25	M10X1.5	10	20	12	40	32

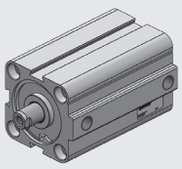
WMG - Göz Mafsal / WMG - Rod-Eye Joint



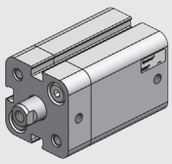
Teknik Çizim / Technical Drawing



Ø mm	PA	PB	PC	PD	PE	PF	PG	PH	PI	PJ	PK
12	6.8	20	6	12	30	40	M6X1.0	13	13	11	9
16	6.8	20	6	12	30	40	M6X1.0	13	13	11	9
20	9	24	8	16	36	48	M8X1.25	13	16	14	12
25	11	26	10	20	43	56	M10X1.25	13	19	17	14
32	11	26	10	20	43	56	M10X1.25	13	19	17	14
40	12	32	12	22	50	66	M12X1.25	13	22	19	16



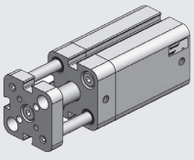
WSAC - Serisi Short Strok Silindirler
WSAC - Series Short Stroke Cylinders



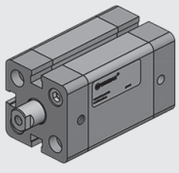
WINC - Series Kompakt Silindirler
WINC - Series Compact Cylinders

KOMPAKT SİLİNDİRLER
COMPACT CYLINDERS

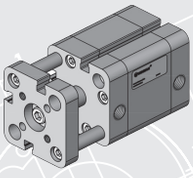
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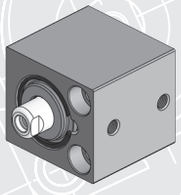
WINC-G - Serisi Dönmez Kompakt Silindirler
WINC-G - Series Non-Rotating Compact Cylinders



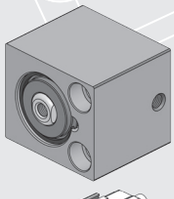
WACC - Serisi Kompakt Silindirler
WACC - Series Compact Cylinders



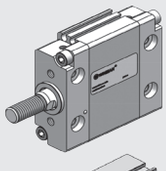
WACC - G Serisi Dönmez Kompakt Silindirler
WACC - G Series Non-Rotating Compact Cylinders



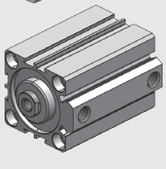
WRD - Serisi Kompakt Silindirler
WRD - Series Compact Cylinders



WRS - Serisi Kompakt Silindirler
WRS - Series Compact Cylinders



WOC - Serisi Oval Silindirler
WOC - Series Oval Cylinders

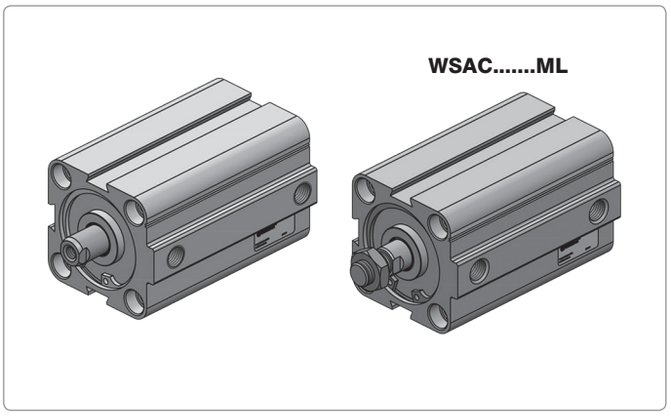


SDA - Serisi Silindirler
SDA - Series Cylinders

Hid-tek ölçü ve modellerde değişiklik yapma hakkına sahiptir.
Detaylı teknik bilgi için hid-tek ofisleri ile irtibata geçiniz.

Hid-tek has the right to make changes in dimensions and models
For detailed technical Contactation please contact hid-tek office.

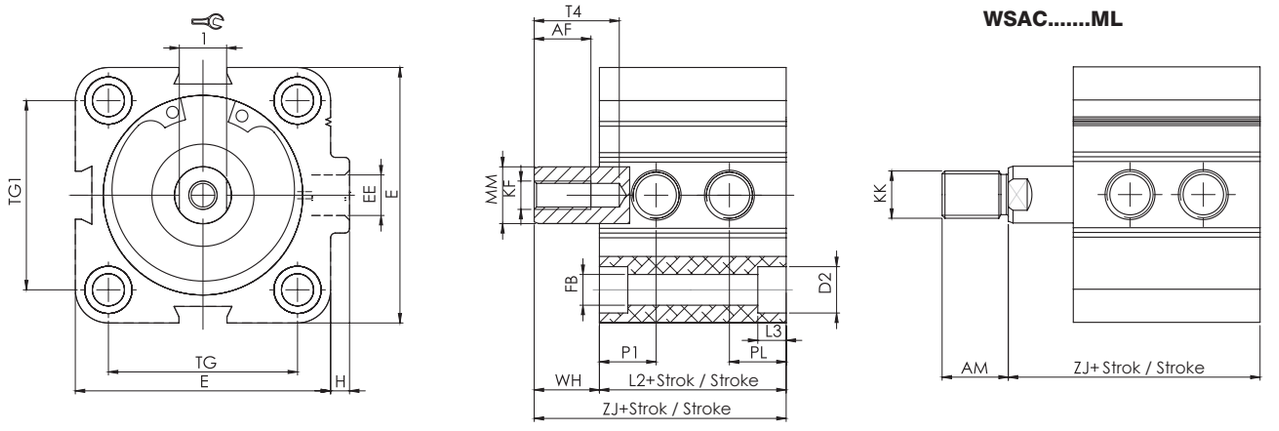
WSAC - Serisi Short Strok Silindirler / WSAC - Series Short Stroke Cylinders



Özellikler / Specification

Piston Çapı / Bore Size	16	20	25	32	40	50	63	80	100
Çalışma Tipi / Acting Type	Çift Etkili / Double Acting								
Akışkan / Fluid	Hava (40µm filtrelenmiş) / Air (40µm filtered)								
Çalışma Basıncı / Op. Pressure	< 10 Bar								
Sıcaklık / Temperature	0 ~ +80 °C								
Manyetik / Magnetic	Opsiyonel / Optional								
Yastıklama Tipi / Cush. Type	Damper / Bumper								
Hız / Speed Range	< 500 mm/s								
Sensör / Sensör Switches	WT-47								

Teknik Çizim / Technical Drawing



Ø mm	AF min.	AM -0.5	D2 Ø F9	E maks.	EE	FB Ø	H	KF	WH	KK	L2 +0.2	L3	MM Ø	P1	PL	T4	TG ±0.1	TG1 ±0.1	ZJ ±0.8	1	STANDART BOY
16	8	12	6.5	28	M5	3.7	3.0	M4X0.7	3.5	M6X1.0	30.5	3.5	8	8.5	8.5	11	20	20	34.0	6	
20	10	12	7	32	M5	5	2.0	M5X0.8	4.5	M8X1.25	32.0	6	10	9.0	8.0	16	22	22	36.0	8	
25	10	12	7	40	G1/8"	5	3.0	M5X0.8	4.5	M8X1.25	36.0	6	10	11.0	11.0	16	28	26	40.0	8	
32	12	14	10	45	G1/8"	5	3.5	M6X1.0	5.5	M10X1.25	39.5	6	12	11.5	11.5	19	34	34	45.0	10	10 - 20 - 25
40	12	14	10	54	G1/8"	6.8	4.0	M6X1.0	5.8	M10X1.25	39.5	6	12	12.0	12.0	19	40	40	45.8	10	30 - 40 - 50
50	16	16	10	65	G1/8"	6.8	6.0	M8X1.25	6.0	M12X1.25	39.5	7	16	12.0	12.0	22	50	50	45.5	13	
63	16	16	14	79	G1/8"	8.5	6.0	M8X1.25	6.0	M12X1.25	46.0	9	16	14.5	12.5	27	60	60	52.0	13	
80	19	22	18	98	G1/4"	10.3	6.0	M10X1.5	7.0	M16X1.5	52.0	9	20	16.0	16.0	27	77	77	59.0	17	
100	21	28	18	118	G1/4"	10.3	6.0	M12X1.75	7.0	M20X1.5	60.0	11	25	17.0	17.0	32	94	94	67.0	22	

Sensörler / Sensors

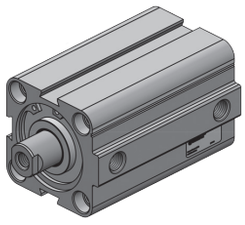
Sipariş Kodu / Ordering Code

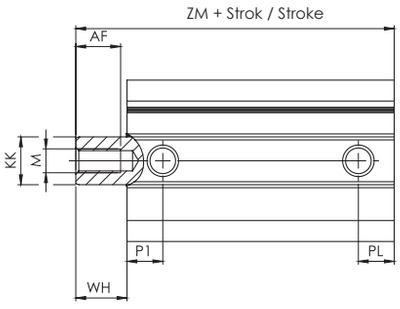
MODEL	OPSİYON OPTIONS	MANYETİK MAGNETIC	ÇAP DIA.	STROK STROKE	STROK STROKE	MİL MALZEMESİ ROD METERIAL	MİL UZUNLUĞU ROD LENGHT	DİŞ TİPİ SCREW TYPE	DİŞ ÖLÇÜSÜ SCREW SIZE	DİŞ UZUNLUĞU SCREW LENGHT
WSAC	**D**	**M**	**032**	**0050**	**0050**	**SS**	**L25**	**F**	**ZM.8.H1.0**	**E15**
	BOŞ : STANDART – Blank Standart T : TANDEM – Tandem PT : POZİSYONER – Positioner D : ÇİFT MİLLİ – Through Rod J : STROK AYARLI – Stroke Adjustable FS : ÖNDEN YAYLI (50mm ye Kadar) – Front Spring (Up to 50mm) RS : ARKADAN YAYLI (50mm ye Kadar) – Rear Spring (Up to 50(mm) V : SICAĞA DAYANIKLI 150° Sıcaklığa Kadar – Heat Resistance (Up to 150°C) LR : YAĞDA ÇALIŞABİLEN 6 Bar Basınçlı Yağda – Hiydropneumatic (6 bar oil pressure)	BOŞ :MANYETİKSİZ Blank :Without Magnet M :MANYETİK M :With Magnet	PİSTON ÇAPI (mm) Piston Dia	STROK (mm) Stroke	STROK (mm) Stroke SADECE POZİSYONER İÇİN Only Positioner Cylinders	SS :PASLANMAZ Inox BOŞ :STANDART Blank :Standart	LX (mm) - BOŞ :STANDART Blank :Standart	F :DİŞİ Female BOŞ :STANDART Blank :Standart	Zx :ÇAP Dia Hx :Hatve Pitch BOŞ :STANDART Blank :Standart	Ex (mm) BOŞ :STANDART Blank :Standart

WSAC - Serisi Short Strok Silindirler / WSAC - Series Short Stroke Cylinders

Kalın Milli Silindirler / Bold Rod Cylinders

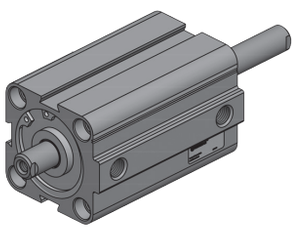
WSAC.M.YY.025.0040.M16
Ø Strok / Stroke

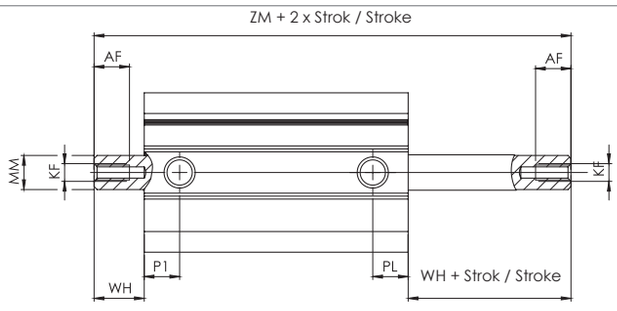




Çift Milli Silindirler / Through Rod Cylinders

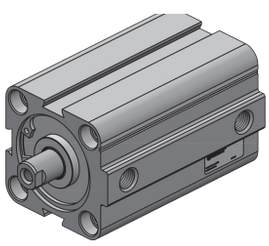
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Ø Strok / Stroke

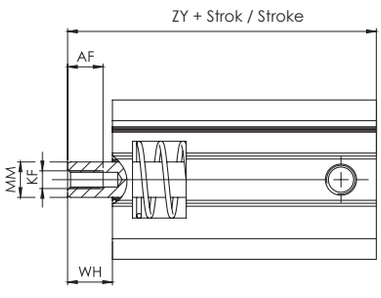




Önden Yaylı Silindirler / Front Spring Cylinders

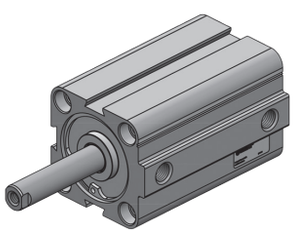
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Ø Strok / Stroke

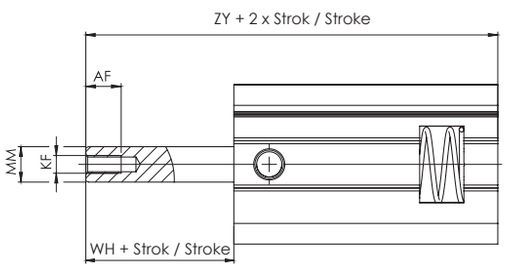




Arkadan Yaylı Silindirler / Rear Spring Cylinders

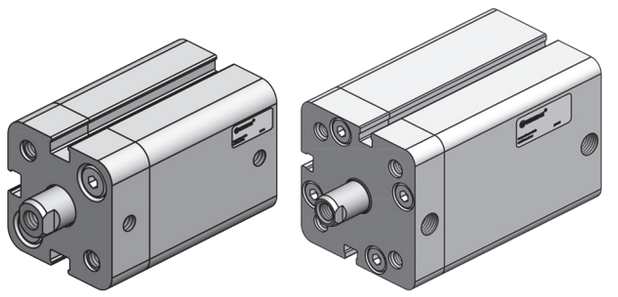
WSAC.M.YY.025.0040.RY
Ø Strok / Stroke





Ø mm	ZM ±1	KK Ø	M	WH	P1	PL	AF min.	MM Ø	ZY	KF
20	41.0	-	-	4.5	9.0	8.0	10	10	46.0	M5X0.8
25	45.0	12	M6	4.5	11.0	11.0	10	10	50.0	M5X0.8
32	53.0	16	M8	5.5	11.5	11.5	12	12	55.0	M6X1.0
40	52.1	16	M8	5.8	12.0	12.0	12	12	55.8	M6X1.0
50	51.6	20	M10	6.0	12.0	12.0	16	16	55.5	M8X1.25
63	58.0	20	M10	6.0	14.5	12.5	16	16	62.0	M8X1.25
80	66.5	25	M12	7.0	16.0	16.0	19	20	69.0	M10X1.5
100	74.0	32	M16	70	17.0	17.0	21	25	77.0	M12X1.75

WINC - Serisi Kompakt Silindirler / WINC - Series Compact Cylinders

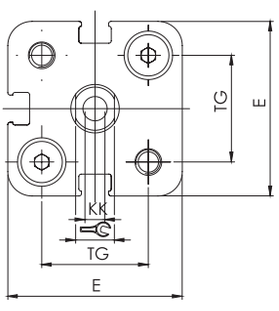


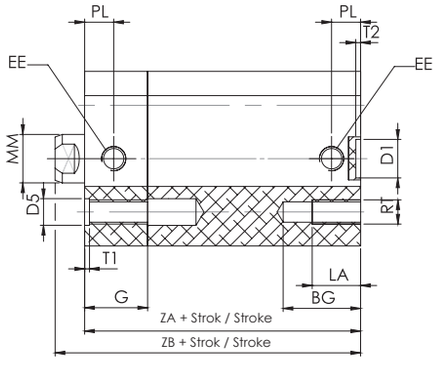
Özellikler / Specification

Piston Çapı / Bore Size	20	25	32	40	50	63
Çalışma Tipi / Acting Type	**Çift Etkili** / Double Acting					
Akışkan / Fluid	**Hava (40µm filtrelenmiş)** / Air (40µm filtered)					
Çalışma Basıncı / Op. Pressure	< 10 Bar					
Sıcaklık / Temperature	0 ~ +80 °C					
Manyetik / Magnetic	**Opsiyonel** / Optional					
Yastıklama Tipi / Cush. Type	**Damper** / Bumper					
Hız / Speed Range	< 500 mm/s					
Sensör / Sensör Switches	**WT-40**					

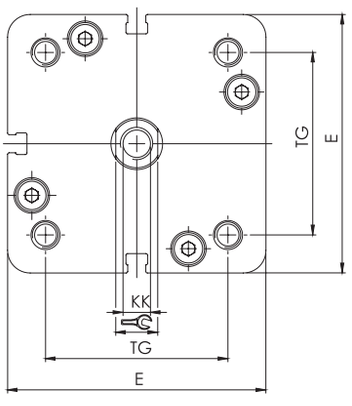
Teknik Çizim / Technical Drawing

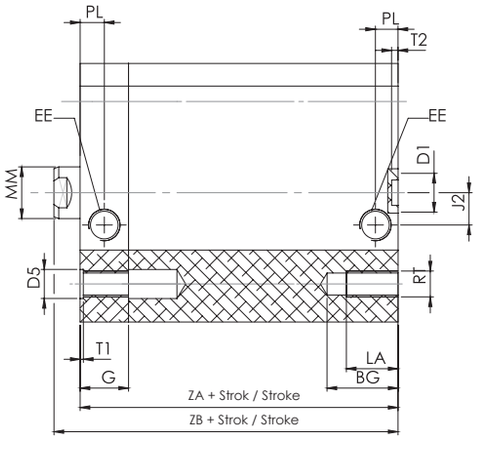
WINC.020/025





WINC.032/063



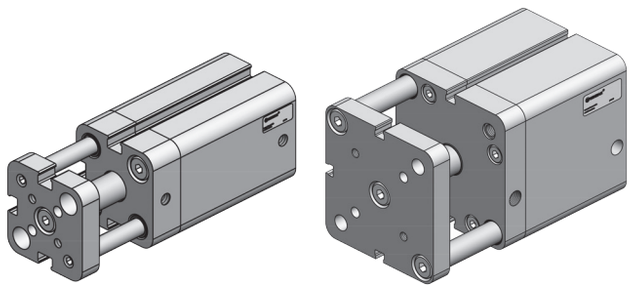


Ø mm	BG min.	D1 Ø h9	D5 Ø	E	EE	J2	G	LA	KK	MM Ø	PL	RT	h13	T1 +0.1	T2 +0.1	TG ±0.2	ZA ±0.3	ZB +1.2	STANDART KURSLAR
20	16.0	9	5.5	38	M5	-	13.0	10.0	M6	10	5.0	M5	8	1	1.0	22.0	37	43	
25	16.0	9	5.5	41	M5	-	14.5	10.0	M6	10	5.0	M5	8	1	1.0	26.0	39	45	10 - 20 - 25
32	18.0	9	6.5	50	G11/8"	8	15.0	12.0	M8	12	7.5	M6	10	1	2.1	32.5	44	51	30 - 40 - 50
40	19.5	9	7.0	58	G1/8"	3	15.0	12.0	M8	12	7.5	M6	10	1	2.0	38.0	45	52	
50	22.0	12	9.0	70	G1/8"	7	15.0	16.0	M10	16	7.5	M6	10	1	2.6	46.5	45	53	
63	22.0	12	9.0	80	G1/8"	10	15.0	16.0	M10	16	7.5	M8	13	1	2.0	56.5	49	57	

Sipariş Kodu / Ordering Code

MODEL MODEL	ÇAP DIA.	STROK STROKE
WINC	**032**	**0050**
KOMPAKT Compact	PİSTON ÇAPI (mm) Piston Dia	STROK (mm) Stroke

WINC-G - Serisi Dönmez Kompakt Silindirler / WINC-G - Series Non-Rotating Compact Cylinders

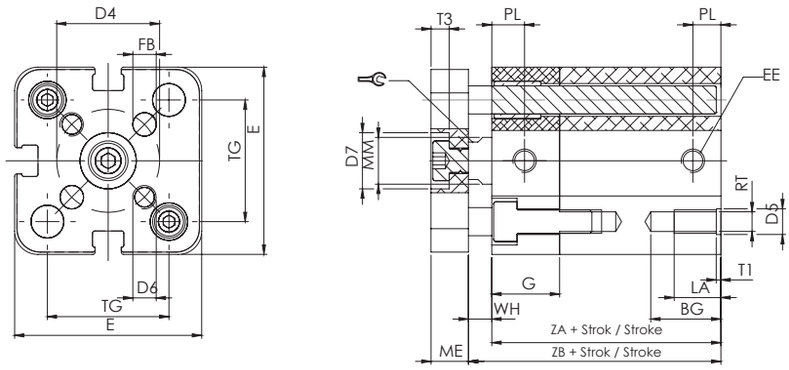


Özellikler / Specification

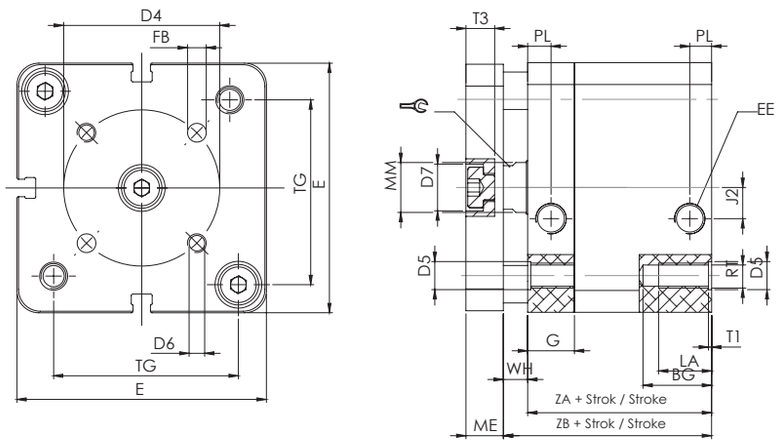
Piston Çapı / Bore Size	20	25	32	40	50	63
Çalışma Tipi / Acting Type	**Çift Etkili** / Double Acting					
Akışkan / Fluid	**Hava (40µm filtrelenmiş)** / Air (40µm filtered)					
Çalışma Basıncı / Op. Pressure	< 10 Bar					
Sıcaklık / Temperature	0 ~ +80 °C					
Manyetik / Magnetic	**Opsiyonel** / Optional					
Yastıklama Tipi / Cush. Type	**Damper** / Bumper					
Hız / Speed Range	< 500 mm/s					
Sensör / Sensör Switches	**WT-40**					

Teknik Çizim / Technical Drawing

WINC-G.020/025



WINC-G.032/063



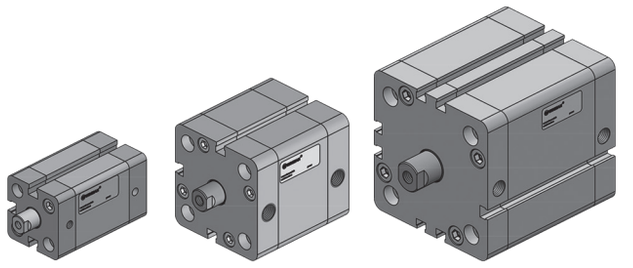
Ø mm	BG min.	D4 ±0.1	D5 Ø	D6	D7 Ø	E	EE	FB Ø h8	G	J2	LA +0.2	ME	MM Ø	PL	RT	h13	T1 +0.1	TG ±0.2	WH ±1.3	ZA ±0.3	ZB +1.2	STANDART KURSLAR
20	16.0	17	5.5	M4	10	36	M5	4	13.0	-	10.0	8	10	5.0	M5	8	1	22.0	4.5	37	49.5	
25	16.0	22	5.5	M5	10	40	M5	5	14.5	-	10.0	8	10	5.0	M5	8	1	26.0	5.0	39	52.0	10 - 20 - 25
32	18.0	28	6.5	M5	11	50	G1/8"	5	15.0	8	12.0	10	12	7.5	M6	10	1	32.5	6.0	44	60.0	30 - 40 - 50
40	19.5	33	7.0	M5	11	58	G1/8"	5	15.0	3	12.0	10	12	7.5	M6	10	1	38.0	5.5	45	60.5	
50	22.0	42	9.0	M6	15	67	G1/8"	6	15.0	7	16.0	15	16	7.5	M8	14	1	46.5	5.2	45	65.2	
63	22.0	50	9.0	M6	15	80	G1/8"	6	15.0	10	16.0	12	16	7.5	M8	14	1	56.5	7.8	49	68.8	

Sipariş Kodu / Ordering Code

MODEL MODEL	ÇAP DIA.	STROK STROKE
WINC-G	**032**	**0050**

DÖNMEZ KOMPAKT Non-Rotating Compact	PİSTON ÇAPI (mm) Piston Dia	STROK (mm) Stroke

WACC - Serisi Kompakt Silindirler / WACC - Series Compact Cylinders

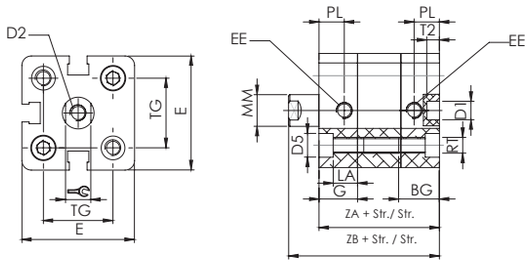


Özellikler / Specification

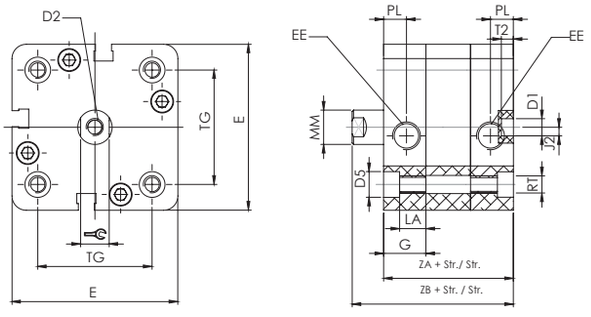
Piston Çapı / Bore Size	20	25	32	40	50	63	80	100	125
Çalışma Tipi / Acting Type	**Çift Etkili** / Double Acting								
Akışkan / Fluid	**Hava (40µm filtrelenmiş)** / Air (40µm filtered)								
Çalışma Basıncı / Op. Pressure	< 10 Bar								
Sıcaklık / Temperature	0 ~ +80 °C								
Manyetik / Magnetic	**Standart** / Standard								
Yastıklama Tipi / Cush. Type	**Damper** / Bumper								
Hız / Speed Range	< 500 mm/s								
Sensör / Sensör Switches	**WT-40**								

Teknik Çizim / Technical Drawing

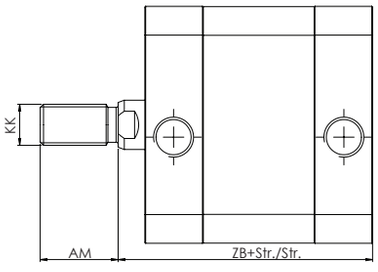
WACC.020/025



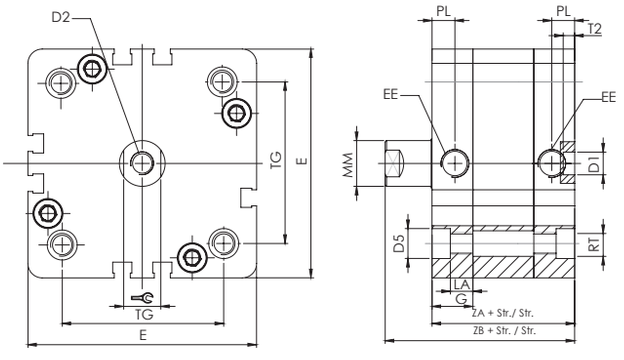
WACC.032/040



WACC.....ML



WACC.050/100



WACC.125 ölçüsü için bilgi alınız./ Contact us for WACC.125
Opsiyonlar için bilgi alınız. / Contact us for Options.

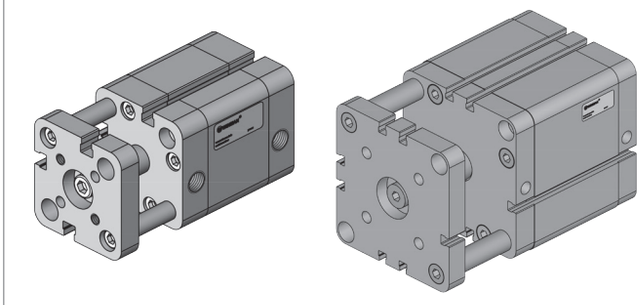
Ø mm	AM -0,5	BG min.	D1 Ø h9	D5 Ø	E	EE	G	J2	KK	LA	MM Ø	PL +0.2	h13	T2 +0.1	TG ±0.2	D2	ZA ±0.3	ZB +1.2
20	16	19.5	6	7.5	36 $^{+0.3}$	M5	12.3	0	M8X1,25	7.8	10	8.0	8	4	22.0	M5	38.0	42.5
25	16	19.5	6	7.5	40 $^{+0.3}$	M5	12.8	0	M8X1,25	8.3	10	8.0	8	4	26.0	M5	39.5	45,0
32	19	22.5	6	9.0	50 $^{+0.3}$	G1/8"	14.5	4	M10X1,25	9.0	12	8.0	10	4	32.5	M6	44.5	50.5
40	19	22.5	6	9.0	58 $^{+0.3}$	G1/8"	14.8	3	M10X1,25	9.3	12	8.0	10	4	38.0	M6	45.5	51.0
50	22	22.5	6	10.5	67 $^{+0.3}$	G1/8"	14.8	0	M12X1,25	8.3	16	8.0	13	4	46.5	M8	45.5	52.0
63	22	22.5	8	13.5	80 $^{+0.3}$	G1/8"	14.3	0	M12X1,25	5.8	16	8.0	13	4	56.5	M8	50.0	57.5
80	28	25	8	13.5	100 $^{+0.6}$	G1/8"	16.0	0	M16X1,50	7.5	20	8.5	17	4	72.0	M10	56.0	64.0
100	28	30	8	13.5	124 $^{+0.6}$	G1/4"	19.3	0	M20X1,50	10.8	25	10.5	22	4	89.0	M12	66.5	76.5
125	54	35	8	-	140 $^{+0.6}$	G1/4"	22.0	0	M27X2,00	22.0	30	10.5	28	4	110.0	M14	78.0	110.0

Sipariş Kodu / Ordering Code

MODEL MODEL	ÇAP DIA.	STROK STROKE
WACC-G	**032**	**0050**

DÖNMEZ KOMPAKT Non-Rotating Compact	PİSTON ÇAPI (mm) Piston Dia	STROK (mm) Stroke

WACC-G - Serisi Dönmez Kompakt Silindirler / WACC-G - Series Non-Rotating Compact Cylinders

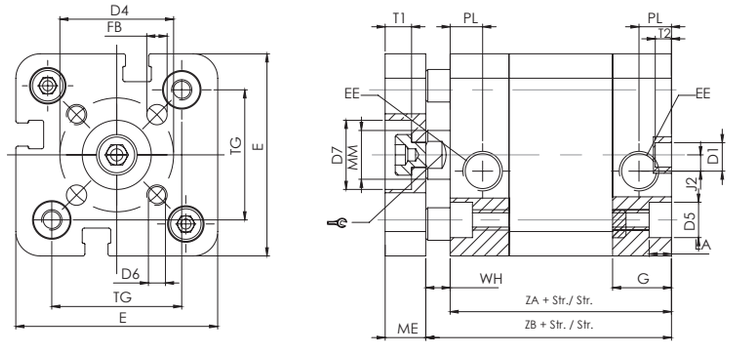


Özellikler / Specification

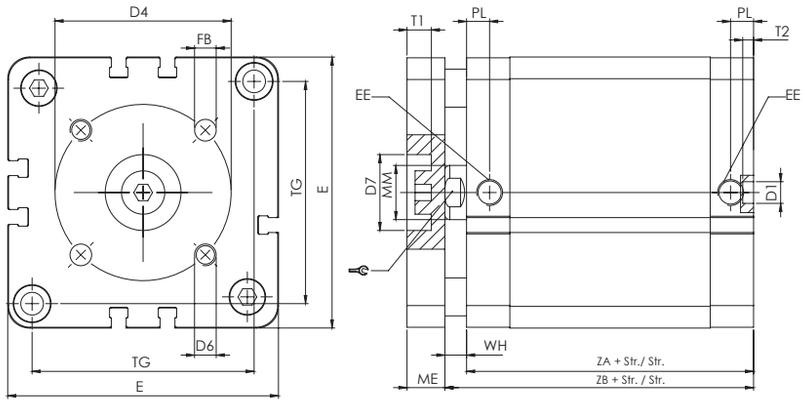
Piston Çapı / Bore Size	20	25	32	40	50	63	80	100
Çalışma Tipi / Acting Type	Çift Etkili / Double Acting							
Akışkan / Fluid	Hava (40µm filtrelenmiş) / Air (40µm filtered)							
Çalışma Basıncı / Op. Pressure	< 10 Bar							
Sıcaklık / Temperature	0 ~ +80 °C							
Manyetik / Magnetic	Standart / Standard							
Yastıklama Tipi / Cush. Type	Damper / Bumper							
Hız / Speed Range	< 500 mm/s							
Sensör / Sensör Switches	WT-40							

Teknik Çizim / Technical Drawing

WACC-G.020/050



WACC-G.063/100



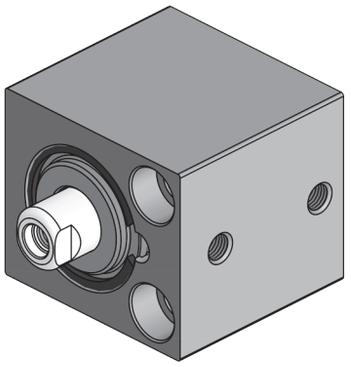
Ø mm	D4 ±0.1	D5 Ø	D6	D7 Ø h9	E	EE	FB Ø h8	G	J2	LA +0.2	ME	MM Ø h8	PL +0.2	h13	TG	WH +1.3	ZA ±0.3	ZB
20	17	-	M4	11	$36^{+0.3}$	M5	4	13.0	-	-	8	10	8.0	8	22.0	4.5	38.0	50.5
25	22	-	M5	14	$40^{+0.3}$	M5	5	14.5	-	-	8	10	8.0	8	26.0	5.5	39.5	53
32	28	9.0	M5	17	$50^{+0.3}$	G1/8"	5	15.0	4	5.5	10	12	8.0	10	32.5	6.0	45.5	61.5
40	33	9.0	M5	17	$58^{+0.3}$	G1/8"	5	15.0	3	5.5	10	12	8.0	10	38.0	6.5	45.5	62.0
50	42	10.5	M6	22	$67^{+0.3}$	G1/8"	6	15.0	-	6.5	12	16	8.0	13	46.5	7.5	45.5	65
63	50	13.5	M6	22	$80^{+0.3}$	G1/8"	6	15.0	-	8.5	12	16	8.0	13	56.5	7.5	50.0	69.5
80	65	13.5	M8	28	$100^{+0.6}$	G1/8"	8	16.0	-	8.5	14	20	8.5	17	72.0	8.0	56.0	78.0
100	80	13.5	M8	30	$124^{+0.6}$	G1/4"	10	195	-	8.5	14	25	10.5	22	89.0	10.0	66.5	90.5

Sipariş Kodu / Ordering Code

MODEL MODEL	ÇAP DIA.	STROK STROKE
WACC-G	**032**	**0050**

DÖNMEZ KOMPAKT Non-Rotating Compact	PİSTON ÇAPI (mm) Piston Dia	STROK (mm) Stroke

WRD Serisi Kompakt Silindirler / WRD Series Compact Cylinders

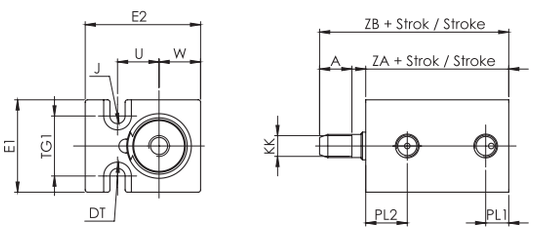


Özellikler / Specification

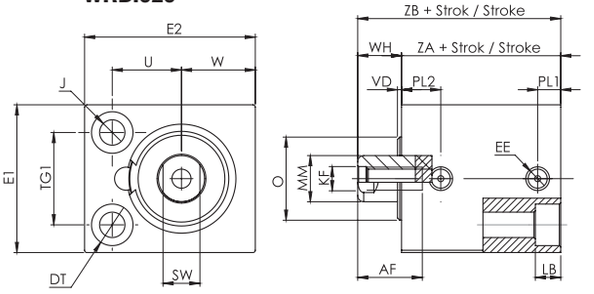
Piston Çapı / Bore Size	8	12	20	32	50	63
Çalışma Tipi / Acting Type	**Çift Etkili** / Double Acting					
Akışkan / Fluid	**Hava (40µm filtrelenmiş)** / Air (40µm filtered)					
Çalışma Basıncı / Op. Pressure	< 10 Bar					
Sıcaklık / Temperature	0 ~ +80 °C					
Manyetik / Magnetic	-					
Yastıklama Tipi / Cush. Type	-					
Hız / Speed Range	< 500 mm/s					
Sensör / Sensör Switches	-					

Teknik Çizim / Technical Drawing

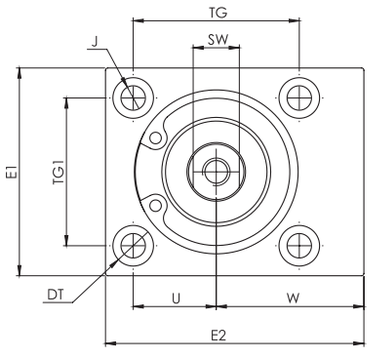
WRD.012



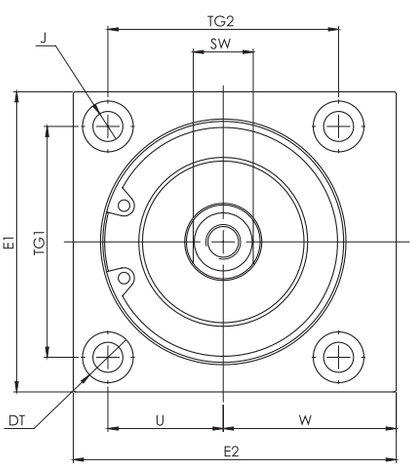
WRD.020

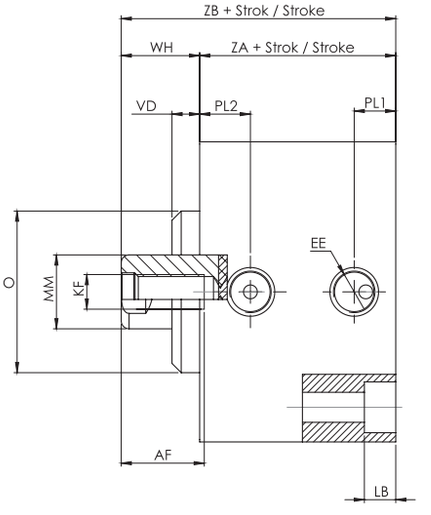


WRD.032



WRD.050/063





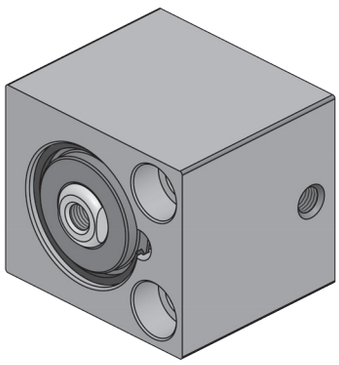
Ø mm	A	AF	DT ø	E1	E2	EE	KF	KK	LB	MM ø	J ø	O ø	PL1	PL2	SW	TG1	TG2	U	VD	W	WH	ZA +	ZB +	STANDART BOY
12	9	-	6	20	25	M5	-	M5	3.4	6	3.3	-	5	9	-	13	-	9	-	9	1	21	31	5 - 10 - 15 20 - 25 - 30
20	-	10	9	32	37	M5	M5	-	5.5	10	5.5	-	5	8.5	8	20	-	15	-	16	9.5	24.5	34	
32	-	15	9.5	45	56	G1/8	M6	-	5.7	12	10	32	8.5	12	10	32	36	18	3.5	24	12.5	33	45.5	
50	-	17	11	65	70	G1/8	M8	-	6.8	16	6.5	35	9	11	13	50	50	25	6	32.5	17	32.5	49.5	
63	-	17	14	80	85	G1/8	M8	-	9	-16	9	35	8	13	13	62	62	31	6.5	40	17	35.5	52.5	

Sipariş Kodu / Ordering Code

MODEL	ÇAP DIA	STROK STROKE
WRD	**012**	**0030**

ÇİFT ETKİLİ Double Acting	PİSTON ÇAPI (mm) Piston Dia	STROK (mm) Stroke

WRS Serisi Kompakt Silindirler / WRS Series Compact Cylinders

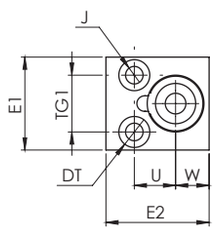


Özellikler / Specification

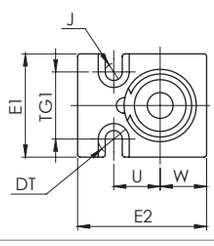
Piston Çapı / Bore Size	8	12	20	32	50	63
Çalışma Tipi / Acting Type	**Tek Etkili** / Single Acting					
Akışkan / Fluid	**Hava (40µm filtrelenmiş)** / Air (40µm filtered)					
Çalışma Basıncı / Op. Pressure	< 10 Bar					
Sıcaklık / Temperature	0 ~ +80 °C					
Manyetik / Magnetic	-					
Yastıklama Tipi / Cush. Type	-					
Hız / Speed Range	< 500 mm/s					
Sensör / Sensör Switches	-					

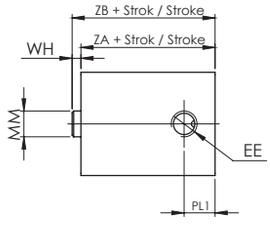
Teknik Çizim / Technical Drawing

WRS.008

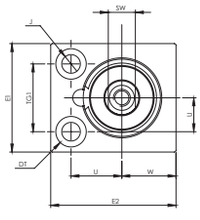


WRS.012

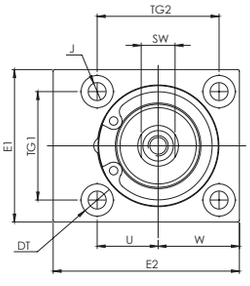




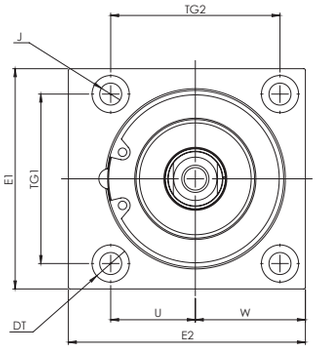
WRS.020

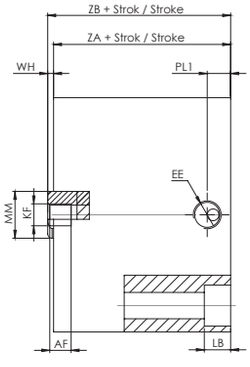


WRS.032



WRS.050/063





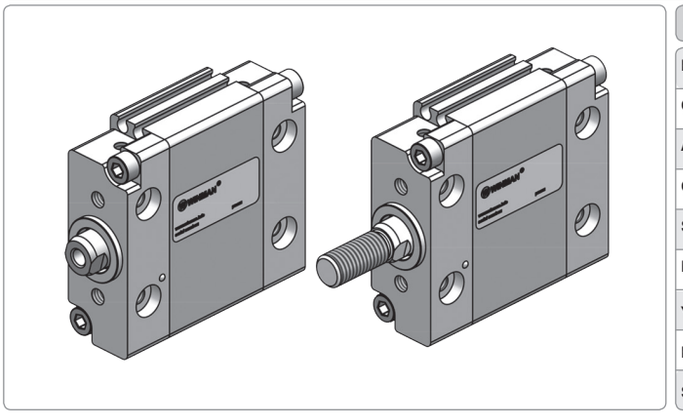
Ø mm	Strok/Stroke	AF	DT ø	E1	E2	EE	KF	LB	MM ø	Jø	PL1	SW	TG1	TG2	U	W	WH	ZA +	ZB +
8	4	-	6	18	20	M5	-	3.1	4	3.4	5.5	-	11	-	8	6.5	1	12	13
12	4	-	6	20	25	M5	-	3.4	5	3.3	6	-	13	-	9	9	1	12	13
12	10	10	6	20	25	M5	M3	3.4	5	3.3	6	-	13	-	9	9	4	16	20
20	4	9	9	32	37	M5	M5	5.5	10	5.5	5	8	20	-	15	16	1	16	17
20	10	10	9	32	37	M5	M5	5.5	10	5.5	5	8	20	-	15	16	1	22	23
20	25	10	9	32	37	M5	M5	5.5	10	5.5	5	8	20	-	15	16	1	28	29
32	5	10	9.5	45	55	G1/8	M6	5.7	12	5.3	8.5	10	32	36	18	24	1	21	22
32	10	14.5	9.4	45	55	G1/8	M6	5.7	12	5.3	8.3	10	32	36	18	24	1	21	22
32	25	14.5	9.5	45	55	G1/8	M6	5.7	12	5.3	8.5	10	32	36	18	24	1	32.5	33.5
50	10	10.5	11	65	70	G1/8	M8	6.8	16	6.5	7.5	10	50	50	25	32.5	1	20	21
50	25	15.5	11	65	70	G1/8	M8	6.8	16	6.5	8	13	50	50	25	32.5	1	32.5	33.5
63	10	14.5	14	80	85	G1/8	M8	9	16	9	8	13	62	62	31	40	1	25	26
63	25	14.5	14	80	85	G1/8	M8	9	16	9	8	13	62	62	31	40	2	35.5	37.5

Sipariş Kodu / Ordering Code

MODEL	ÇAP DİA	STROK STROKE
WRS	**012**	**0030**

TEK ETKİLİ Single Acting	PİSTON ÇAPI (mm) Piston Dia	STROK (mm) Stroke

WOC - Serisi Oval Silindirler / WOC - Series Oval Cylinders

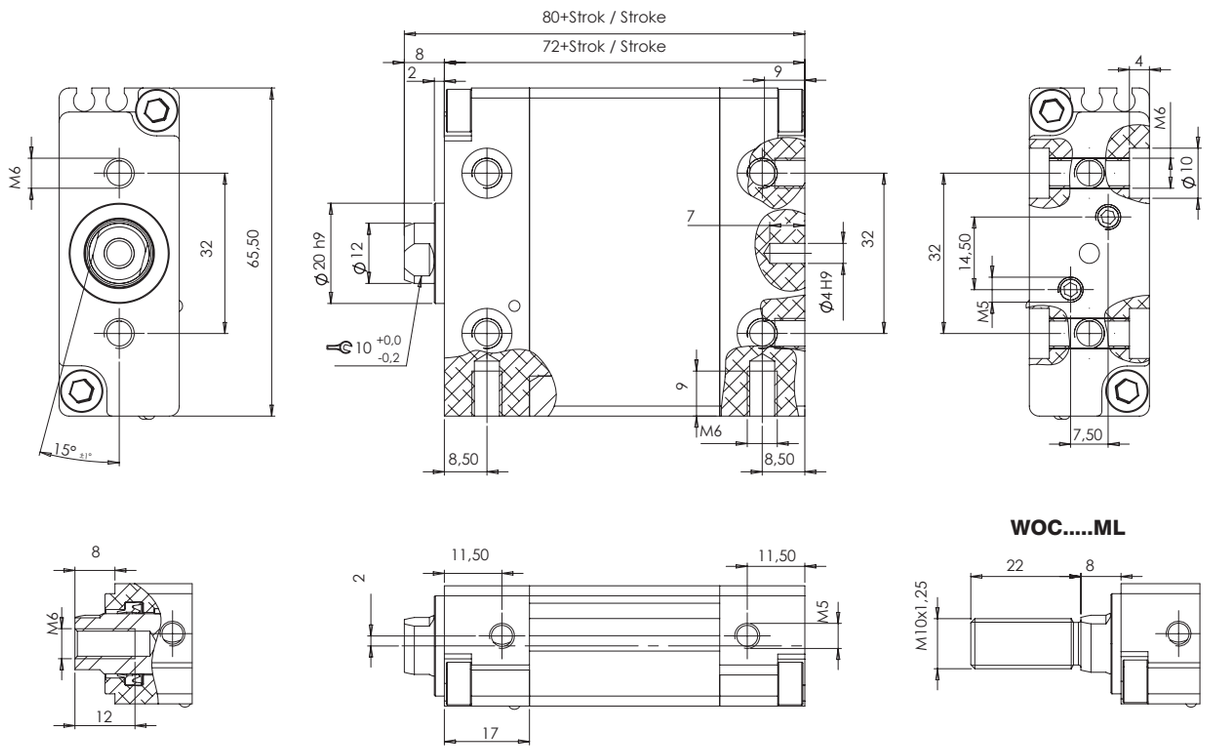


Özellikler / Specification

Piston Çapı / Bore Size	25	32	40
Çalışma Tipi / Acting Type	**Çift Etkili** / Double Acting		
Akışkan / Fluid	**Hava (40µm filtrelenmiş)** / Air (40µm filtered)		
Çalışma Basıncı / Op. Pressure	< 10 Bar		
Sıcaklık / Temperature	0 ~ +80 °C		
Manyetik / Magnetic	**Standart** / Standard		
Yastıklama Tipi / Cush. Type	**Damper** / Bumper		
Hız / Speed Range	< 500 mm/s		
Sensör / Sensör Switches	**WT-07**		

Teknik Çizim / Technical Drawing

WOC.032



WOC.....ML

WOC.025 ve WOC.040 ölçüleri için bilgi alınız.
Contact us WOC.025 and WOC.040

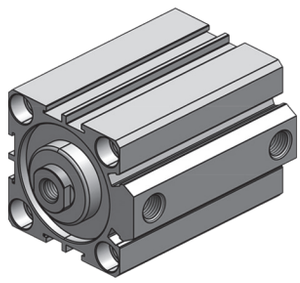
1 **100 mm stroka kadar arkadan basınçlı hava girişi yapılabilir.** / Air inlet from rear cover up to 100 mm stroke

2 **300 mm strok için bilgi alınız.** / Contact us for strokes over 300 mm

Sipariş Kodu / Ordering Code

MODEL	OPSİYON OPTIONS	MANYETİK MAGNETIC	ÇAP DIA.	STROK STROKE	MİL MALZEMESİ ROD METERIAL	MİL UZUNLUĞU ROD LENGHT	DİŞ TİPİ SCREW TYPE	DİŞ ÖLÇÜSÜ SCREW SIZE	DİŞ UZUNLUĞU SCREW LENGHT
WOC	**D**	**M**	**032**	**0025**	**SS**	**L25**	**ML**	**ZM.8.H1.0**	**E15**
	BOŞ : STANDART – Blank Standart D : ÇİFT MİLLİ – Double Rod	M :MANYETİK M :With Magnet	PİSTON ÇAPI (mm) Piston Dia	STROK (mm) Stroke	SS :PASLANMAZ Inox BOŞ :STANDART Blank :Standart	LX (mm) - BOŞ :STANDART Blank :Standart	ML :ERKEK Male BOŞ :STANDART Blank :Standart	Zx :ÇAP Dia Hx :Hatve Pitch BOŞ :STANDART Blank :Standart	Ex (mm) BOŞ :STANDART Blank :Standart

SDA - Serisi Silindirler / SDA - Series Cylinders

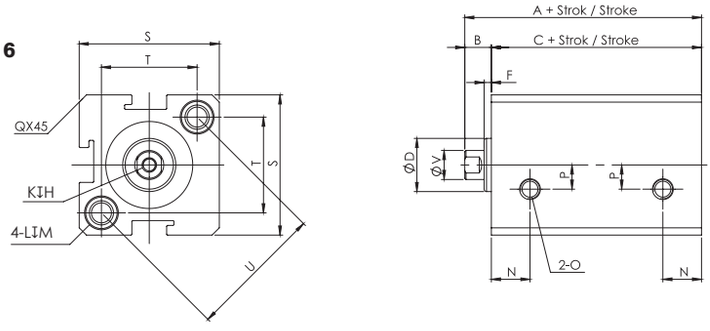


Özellikler / Specification

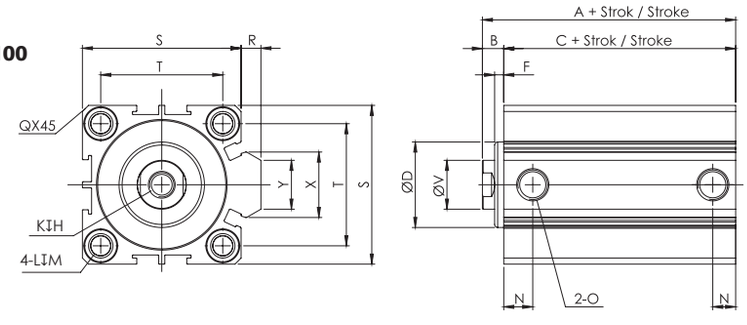
Piston Çapı / Bore Size	12	16	20	25	32	40	50	63	80	100
Çalışma Tipi / Acting Type	**Çift Etkili** / Double Acting									
Akışkan / Fluid	**Hava (40µm filtrelenmiş)** / Air (40µm filtered)									
Çalışma Basıncı / Op.Pressure	**1 ~ 9 Bar**									
Sıcaklık / Temperature	**0 ~ +70 °C**									
Hız / Speed Range	**50 ~ 500 mm/s**									
Sensör / Sensör Switches	WT-11									

Teknik Çizim / Technical Drawing

SDA.012/016



SDA.020/100



Tip/Type	Manyetiksiz Without Magnet			Manyetikli With Magnet			D	E	H		K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	STANDART STROK
Ø mm	A	B	C	A	B	C			Stroke≤	Stroke≥																
12	22	5	17	32	5	27	10,2	1	6		M3	M3	12	6,3	M5	6	1,5	-	25	16,2	23	6	5	-	-	
16	24	5,5	18,5	34	5,5	28,5	10,5	1,5	6		M3	M3	12	7,3	M5	6,5	1,5	-	29	19,8	28	6	5	-	-	5-10-15..60
20	25	5,5	19,5	35	5,5	29,5	15	1,5	8		M4	M4	14	7,4	M5	-	2,1	2,2	34	24	-	8	6	11,3	10	
25	27	6	21	37	6	31	17	2	10		M5	M5	20,5	8,5	M5	-	3,1	2	40	29	-	10	8	12	10	5-10-15..100
32	31,5	7	24,5	41,5	7	34,5	22	3,5	12		M6	M6	20,5	9	1/8"	-	3,1	6	43,7	34	-	12	10	18,3	15	
40	33	7	25	43	7	36	28	3	12		M8	M8	22,5	9,5	1/8"	-	2,2	6,7	52,1	40	-	16	14	21,3	16	
50	37	9	28	47	9	38	36	5	15		M10	M10	23,5	10,5	1/4"	-	4,2	9,7	61,8	48	-	20	17	30	20	5-10-15..130
63	41	9	32	51	9	42	38	3,5	15		M10	M10	24	12	1/4"	-	3,2	9,7	74,8	50	-	20	17	28,7	20	
80	52	11	41	52	11	51	45	4	15	20	M14x1,5	M12	25	13	3/8"	-	3,6	10	94,4	74	-	25	22	38	28	
100	63	12	51	73	12	61	50	5	18	20	M18x1,5	M14	33	17	3/8"	-	3,6	10,1	114,4	90	-	32	22	35	26	5-10-15..130

Sipariş Kodu / Ordering Code

MODEL	ÇAP DIA	STROK STROKE
SDA	**032**	**0050**

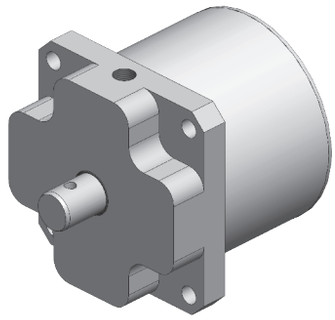
KISA STROK Short Stroke	PİSTON ÇAPI (mm) Piston Dia	STROK (mm) Stroke

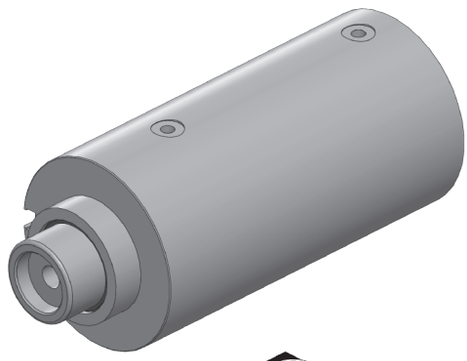
WINMAN®
Türk Markası

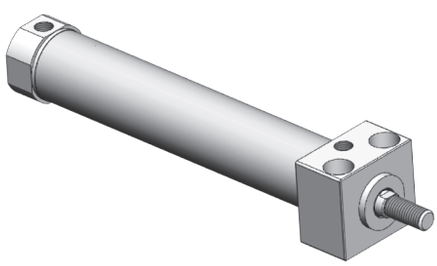
ÖZEL PNÖMATİK SİLİNDİRLER
SPECIAL PNEUMATIC CYLINDERS

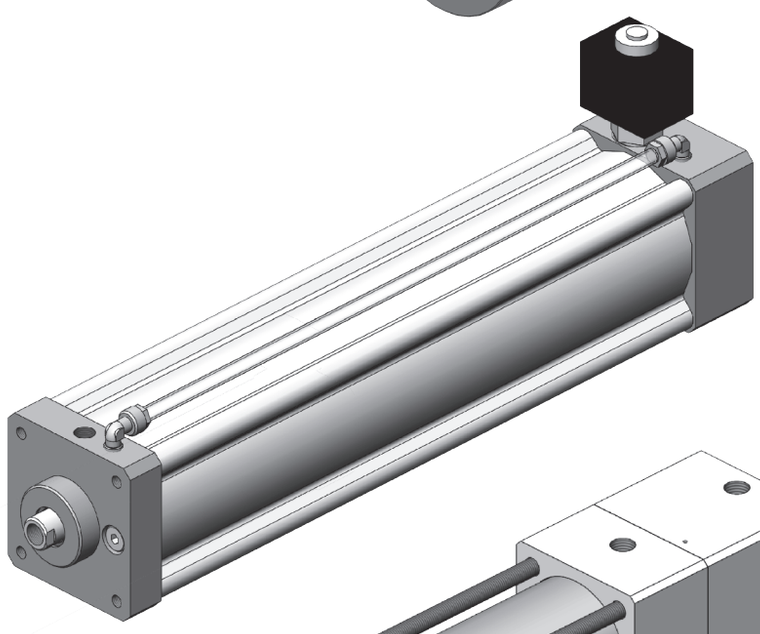
WINMAN Özel silindirler; özel tasarımlarla, makine ve apartlarınızda tasarım esnekliği sağlar.
Çalışma koşullarına özel olarak yapılan tasarımlarla daha kaliteli ürünler sunmanıza yardımcı olur.

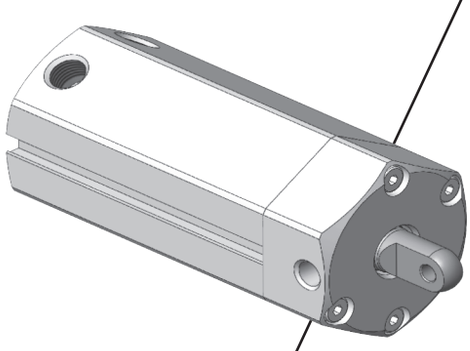
WINMAN *special cylinders provides design flexibility to your machine and apparatus with special designs. Helps you to introduce more higher quality products with designs special to work conditions.*

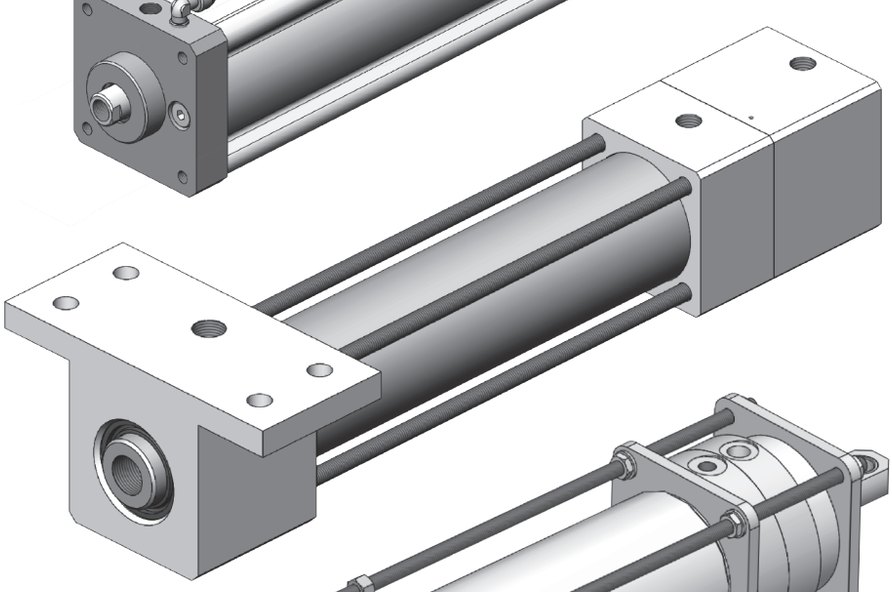


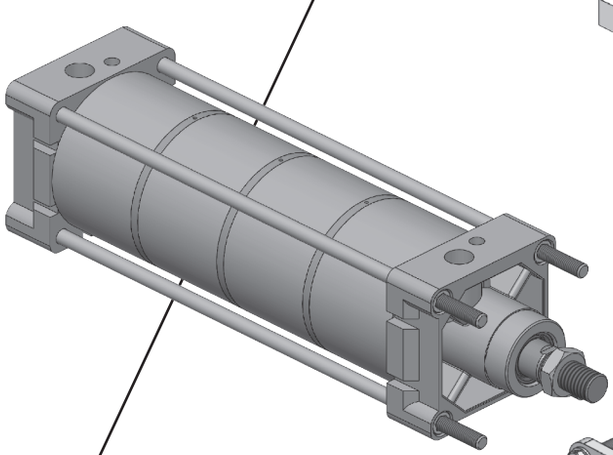


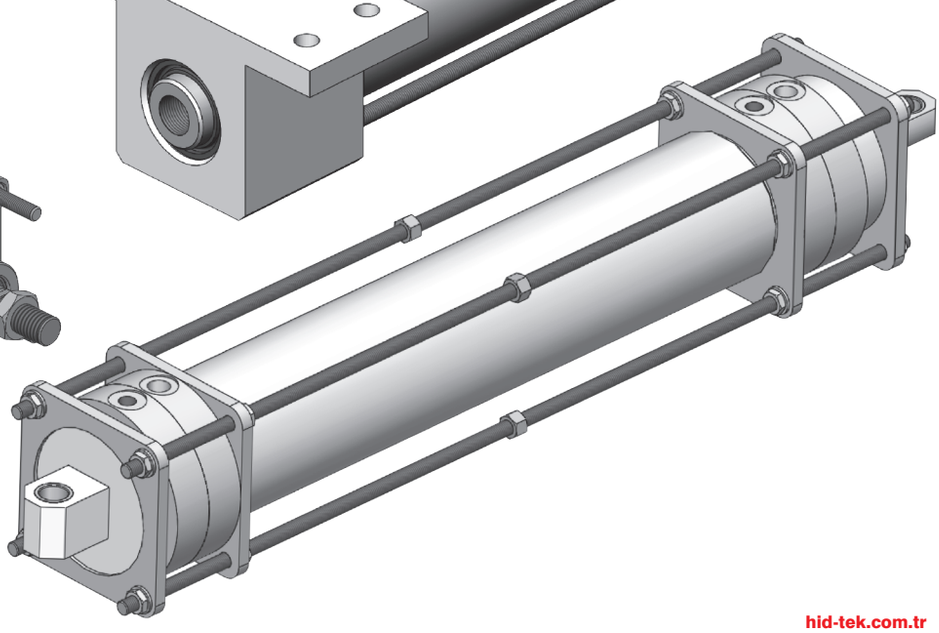


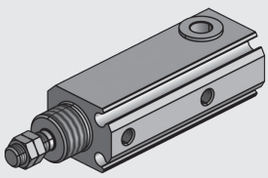




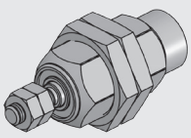








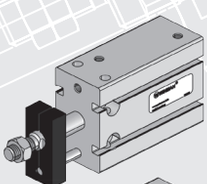
WMPG - Serisi Silindirler
WMPG - Series Cylinders



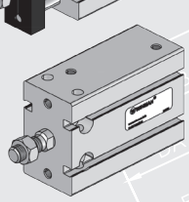
WWD - Kartiç Tip Silindirler
WWD - Cartige Type Cylinders

ÇOKLU BAĞLANTI SİLİNDİRLER
MULTI MOUNTING BODY CYLINDERS

5



MK - Serisi Silindirler
MK - Series Cylinders

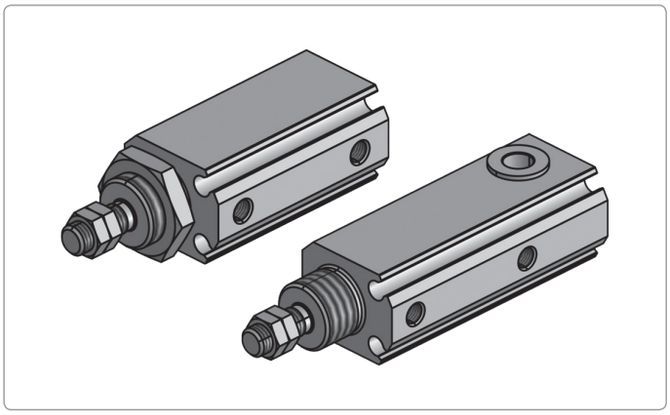


MD - Serisi Silindirler
MD - Series Cylinders

Hid-tek ölçü ve modellerde değişiklik yapma hakkına sahiptir.
Detaylı teknik bilgi için hid-tek ofisleri ile irtibata geçiniz.

Hid-tek has the right to make changes in dimensions and models
For detailed technical Contactation please contact hid-tek office.

WMPG - Serisi Silindirler / WMPG - Series Cylinders

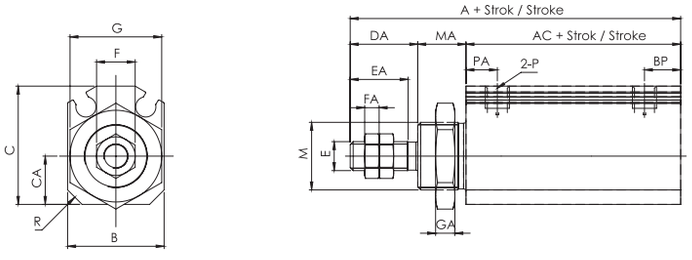


Özellikler / Specification

Piston Çapı / Bore Size	**6**	**8**	**10**	**12**	**16**
Çalışma Tipi / Acting Type	**Çift Etkili** / Double Acting				
Akışkan / Fluid	**Hava (40µm filtrelenmiş)** / Air (40µm filtered)				
Çalışma Basıncı / Op. Pressure	1 ~ 7 Bar				
Sıcaklık / Temperature	-20 ~ +80 °C				
Hız / Speed Range	30 ~ 500 mm/s				
Yastıklama Tipi / Cushion Type	**Damper** / Bumper				
Manyetik/ Magnetic	**Standart** / Standard				
Sensörler / Sensors	WT-07				

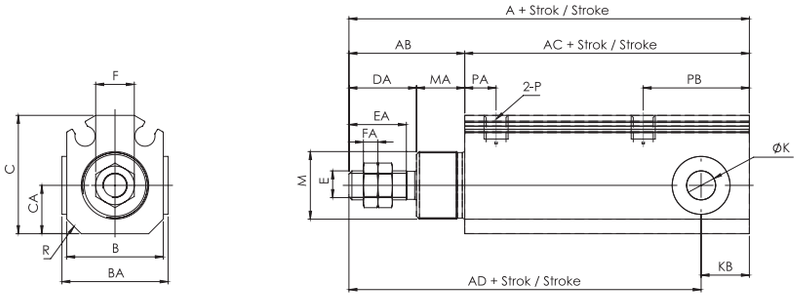
Teknik Çizim / Technical Drawing

WMPG



Ø mm	A	AB	AC	B	C	CA	D	DA	E	EA	F	FA	G	GA	M	MA	P	PA	PB	R
6	38	17	21	14	16,5	6	3	9	M3 x 0,5	7	5,5	2,4	13	3	M10 x 1,0	8	M3 x 0,5	5,5	6,5	2
8	43	20	23	14,5	17,5	7	4	12	M4 x 0,7	10	7	2,2	17	3	M12 x 1,0	8	M3 x 0,5	6	7	2
10	44,5	20	24,5	15	19	7	4	12	M4 x 0,7	10	7	2,2	17	3	M12 x 1,0	8	M3 x 0,5	6	7	2,5
12	48,5	24	24,5	17	21,5	8,5	6	14	M5 x 0,8	12	8	3	19	4	M14 x 1,0	10	M5 x 0,8	6,5	7,5	2,5
16	48,5	24	24,5	20	24,5	10	6	14	M5 x 0,8	12	8	3	19	4	M14 x 1,0	10	M5 x 0,8	6,5	7,5	3

WMPG.H



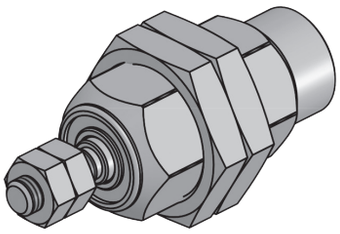
Ø mm	A	AC	AD	AB	B	BA	C	CA	D	DA	E	EA	F	FA	K	KB	M	MA	P	PA	PB	R
6	43	26	39	17	14	-	16,5	6	3	9	M3 x 0,5	7	5,5	2,4	3 +0,05	4	M10 x 1,0	8	M3 x 0,5	5,5	11,5	2
8	51	31	46	20	14,5	-	17,5	7	4	12	M4 x 0,7	10	7	2,2	4 +0,05	5	M12 x 1,0	8	M3 x 0,5	6	15	2
10	55,5	35,5	49	20	15	17	19	7	4	12	M4 x 0,7	10	7	2,2	5 +0,05	6,5	M12 x 1,0	8	M3 x 0,5	6	18	2,5
12	63	39	53	24	17	19	21,5	8,5	6	14	M5 x 0,8	12	8	3	6 +0,05	10	M14 x 1,0	10	M5 x 0,8	6,5	22	2,5
16	63	39	53	24	20	22	24,5	10	6	14	M5 x 0,8	12	8	3	6 +0,05	10	M14 x 1,0	10	M5 x 0,8	6,5	22	3

Sipariş Kodu / Ordering Code

MODEL MODEL	ÇAP DIA.	STROK STROKE
WMPG	**016**	**0040**

WMPG **STANDART** Standard WMPG.H **MAFSAL TİPİ MONTAJ** Hingle Mounting Type	**PİSTON ÇAPI (mm)** Piston Dia	**STROK (mm)** Stroke

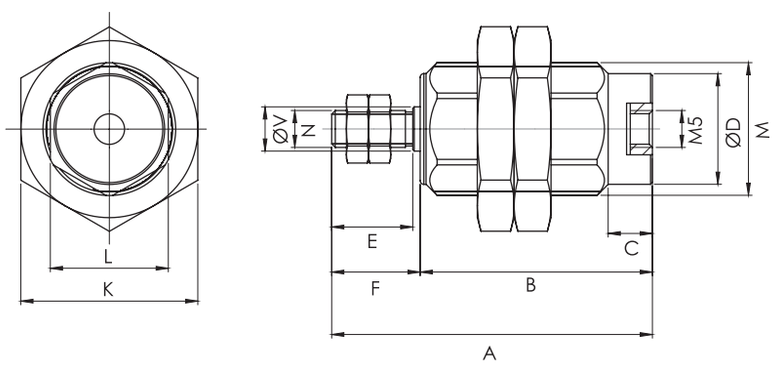
WWD - Kartiç Tip Silindirler / WWD - Cartige Type Cylinders



Özellikler / Specification

Piston Çapı / Bore Size	**6**	**8**	**10**	**12**	**16**
Çalışma Tipi / Acting Type	**Tek Etkili** / Single Acting				
Akışkan / Fluid	**Hava (40µm filtrelenmiş)** / Air (40µm filtered)				
Çalışma Basıncı / Op. Pressure	2 ~ 7 Bar		1.5 ~ 7 Bar		
Sıcaklık / Temperature	0 ~ +60 °C				
Hız / Speed Range	50 ~ 500 mm/s				
Yastıklama Tipi / Cushion Type	-				

Teknik Çizim / Technical Drawing



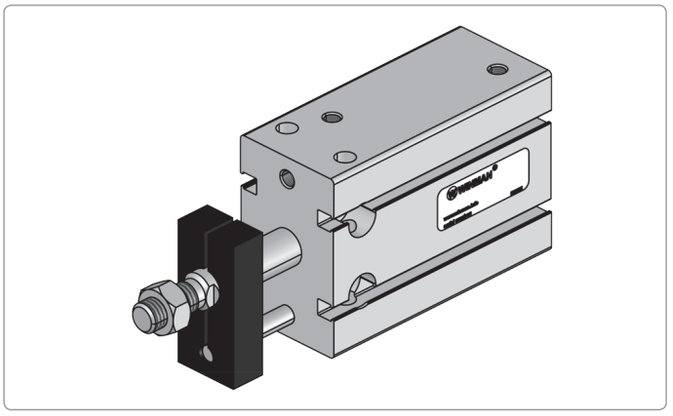
Ø mm	Strok/Stroke	A	B	C	D	E	F	K	L	M	N	V
6	**5**	29,5	21	4	8,5	7	8,5	14	9	M10 x 1	M3 x 0,5	3
6	**10**	34,5	26	4	8,5	7	8,5	14	9	M10 x 1	M3 x 0,5	3
6	**15**	41,5	33	4	8,5	7	8,5	14	9	M10 x 1	M3 x 0,5	3
8	**5**	31	21	4	10	7	10	14	11	M12 x 1	M4 x 0,7	5
8	**10**	39	29	4	10	7	10	14	11	M12 x 1	M4 x 0,7	5
8	**15**	44	34	4	10	7	10	14	11	M12 x 1	M4 x 0,7	5
10	**5**	35	23,5	5	12	10	11,5	19	13	M15 x 1	M4 x 0,7	5
10	**10**	40	28,5	5	12	10	11,5	19	13	M15 x 1,5	M4 x 0,7	5
10	**15**	47	35,5	5	12	10	11,5	19	13	M15 x 1,5	M4 x 0,7	5
16	**5**	38	23	7	19,5	12	15	27	20	M22 x 1,5	M5 x 0,8	6
16	**10**	48,5	33,5	7	19,5	12	15	27	20	M22 x 1,5	M5 x 0,8	6
16	**15**	53,5	38,5	7	19,5	12	15	27	20	M22 x 1,5	M5 x 0,8	6

Sipariş Kodu / Ordering Code

MODEL MODEL	ÇAP DIA.	STROK STROKE
WWD	**016**	**0010**

KATRİÇ TİPİ Cartige Type	PİSTON ÇAPI (mm) Piston Dia	STROK (mm) Stroke

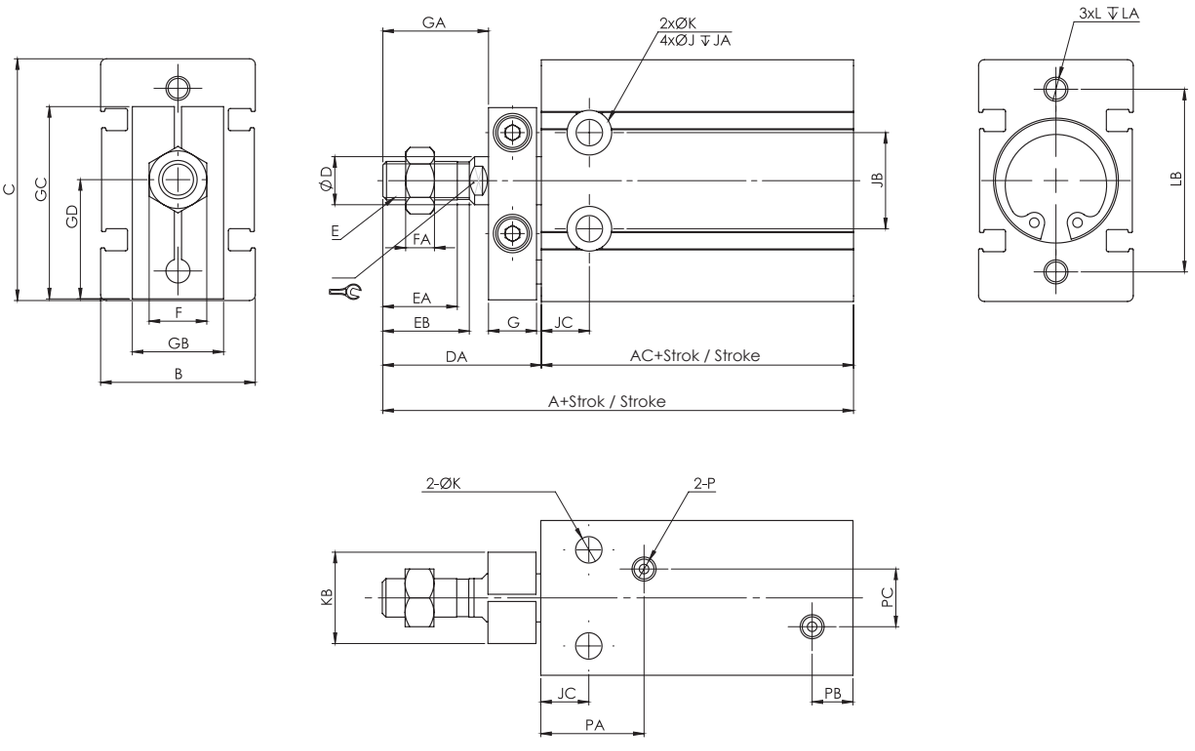
MK - Serisi Silindirler / MK - Series Cylinders



Özellikler / Specification

Piston Çapı / Bore Size	**6**	**10**	**16**	**20**	**25**	**32**
Çalışma Tipi / Acting Type	**Çift Etkili** / Double Acting					
Akışkan / Fluid	**Hava (40µm filtrelenmiş)** / Air (40µm filtered)					
Çalışma Basıncı / Op. Pressure	1 ~ 10 bar					
Sıcaklık / Temperature	-20 ~ +80 °C					
Hız / Speed Range	30 ~ 500 mm/s					
Manyetik / Magnetic	**Standart** / Standard					
Yastıklama Tipi / Cushion Type	**Damper** / Bumper					
Sensörler / Sensors	WT-06					

Teknik Çizim / Technical Drawing



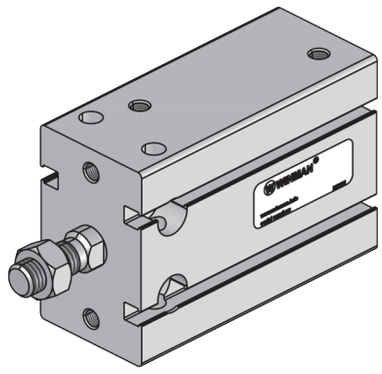
Ø mm	B	C	D	DA	E	EA	EB	F	FA	G	GA	GB	GC	GD	J	JA	JB	JC	K	KB	L	LA	LB	P	PA	PB	PC	Manyetiksiz Without Magnet AC	Manyetiksiz Without Magnet A	Manyetikli With Magnet AC	Manyetikli With Magnet A
6	16.5	22	3	18	M3X0.5	7	8	5.5	2.5	8	9	11	19	10.9	-	6	5	10	7	3.3	7	M3X0.5	5	17	M5X0.8	14	10	-	33	51	33	51
10	16.5	24	4	21	M4X0.7	10	11	7	2	8	12	13	20.5	11.9	-	6	5.5	11	7	3.3	9	M3X0.5	5	18	M5X0.8	15.5	10	-	36	57	36	57
16	20	32	6	26	M5X0.8	11	12.5	8	4	8	17	13	26.5	15.9	5	7.5	6.5	14	7	4.5	12	M4X0.7	5	25	M5X0.8	14.5	10	3	30	56	40	66
20	26	40	8	29	M6X1.0	12	14	10	5	8	20	16	32	19.8	6	9.5	8	16	9	5.5	16	M5X0.8	7.5	30	M5X0.8	19	11	9	36	65	46	75
25	32	50	10	33	M8X1.25	15.5	18	12	6	10	22	19	40	24.8	8	9.5	9	20	10	5.5	20	M5X0.8	8	38	M5X0.8	21.5	8.5	12	40	73	50	83
32	40	62	12	42	M10X1.25	19.5	22	17	6	12	29	24	49	30.8	10	11	11.5	24	11	6.5	24	M6X1.0	9	48	G 1/8''	23	12.5	13	42	84	52	94

Sipariş Kodu / Ordering Code

MODEL MODEL	ÇAP DIA.	STROK STROKE
MK	**016**	**0025**

ÇOKLU BAĞLANTI Multi Mounting	PİSTON ÇAPI (mm) Piston Dia	STROK (mm) Stroke

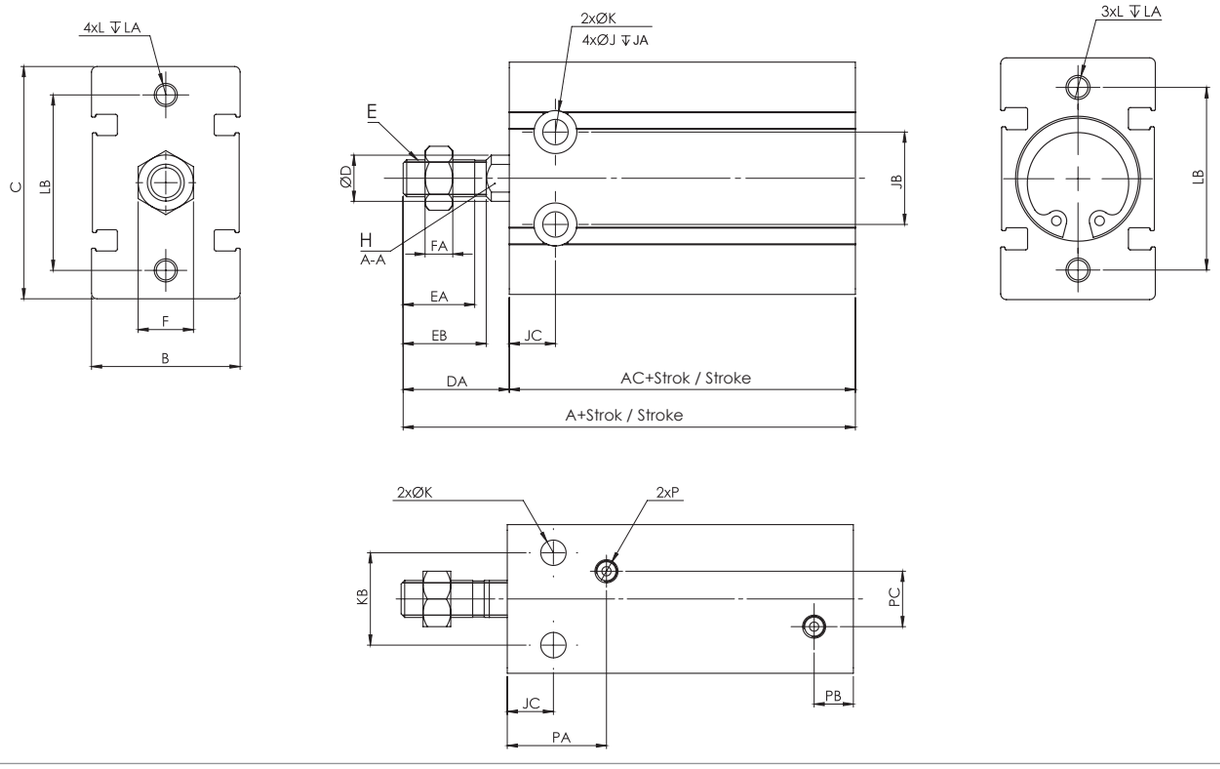
WMD - Serisi Silindirler / WMD - Series Cylinders



Özellikler / Specification

Piston Çapı / Bore Size	6	10	16	20	25	32
Çalışma Tipi / Acting Type	**Çift Etkili** / Double Acting					
Akışkan / Fluid	**Hava (40µm filtrelenmiş)** / Air (40µm filtered)					
Çalışma Basıncı / Op. Pressure	1 ~ 10 bar					
Sıcaklık / Temperature	-20 ~ +80 °C					
Hız / Speed Range	30 ~ 500 mm/s					
Manyetik / Magnetic	**Standart** / Standard					
Yastıklama Tipi / Cushion Type	**Damper** / Bumper					
Sensörler / Sensors	WT-06					

Teknik Çizim / Technical Drawing



Ø mm	B	C	D	DA	E	EA	EB	F	FA	H	J	JA	JB	JC	K	KB	L	LA	LB	P	PA	PB	PC	Manyetiksiz Without Magnet AC	Manyetiksiz Without Magnet A	Manyetikli With Magnet AC	Manyetikli With Magnet A
6	16.5	22	3	13	M3 x 0.5	7	8	5.5	2.5	-	6	5	10	7	3.3	7	M3 x 0.5	5	17	M5 x 0.8	14	10	-	33	46	33	46
10	16.5	24	4	16	M4 x 0.7	10	11	7	2	-	6	5.5	11	7	3.3	9	M3 x 0.5	5	18	M5 x 0.8	15.5	10	-	36	52	36	52
16	20	32	6	16	M5 x 0.8	11	12.5	8	4	5	7.5	6.5	14	7	4.5	12	M4 x 0.7	5	25	M5 x 0.8	14.5	10	3	30	46	40	56
20	26	40	8	19	M6 x 1.0	12	14	10	5	6	9.5	8	16	9	5.5	16	M5 x 0.8	7.5	30	M5 x 0.8	19	11	9	36	55	46	65
25	32	50	10	23	M8 x 1.25	15.5	18	12	6	8	9.5	9	20	10	5.5	20	M5 x 0.8	8	38	M5 x 0.8	21.5	8.5	12	40	63	50	73
32	40	62	12	27	M10 x 1.25	19.5	22	17	6	10	11	11.5	24	11	6.5	24	M6 x 1.0	9	48	G 1/8''	23	12.5	13	42	69	52	79

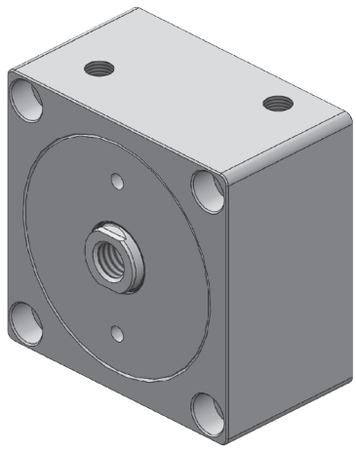
Sipariş Kodu / Ordering Code

MODEL MODEL	ÇAP DIA.	STROK STROKE
MD	**016**	**0025**

ÇOKLU BAĞLANTI Multi Mounting	PİSTON ÇAPI (mm) Piston Dia	STROK (mm) Stroke

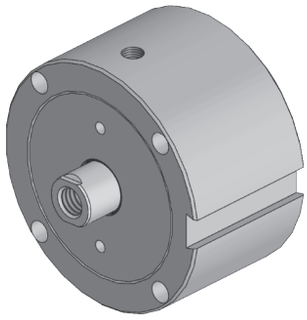
WINMAN®
Türk Markası

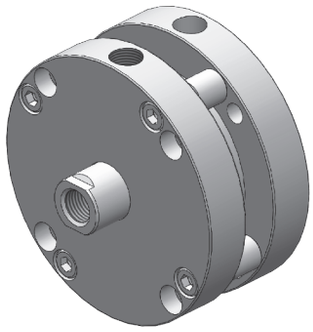
ÖZEL PNÖMATİK SİLİNDİRLER
SPECIAL PNEUMATIC CYLINDERS

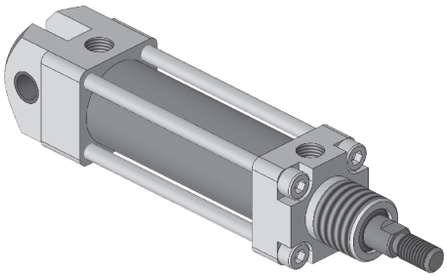


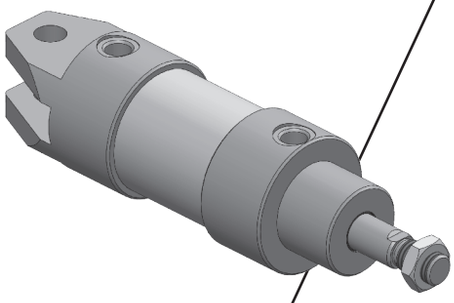
WINMAN Özel silindirler; özel tasarımlarla, makine ve apartlarınızda tasarım esnekliği sağlar.
Çalışma koşullarına özel olarak yapılan tasarımlarla daha kaliteli ürünler sunmanıza yardımcı olur.

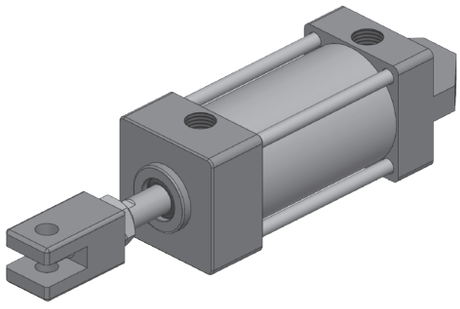
WINMAN *special cylinders provides design flexibility to your machine and apparatus with special designs. Helps you to introduce more higher quality products with designs special to work conditions.*

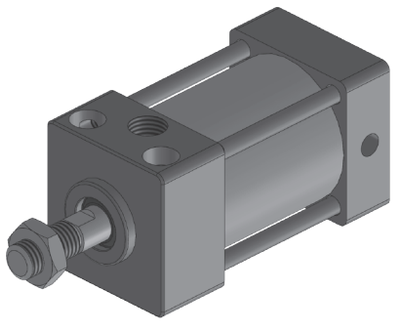


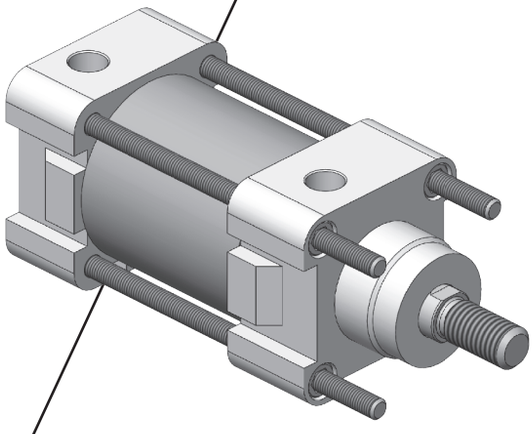


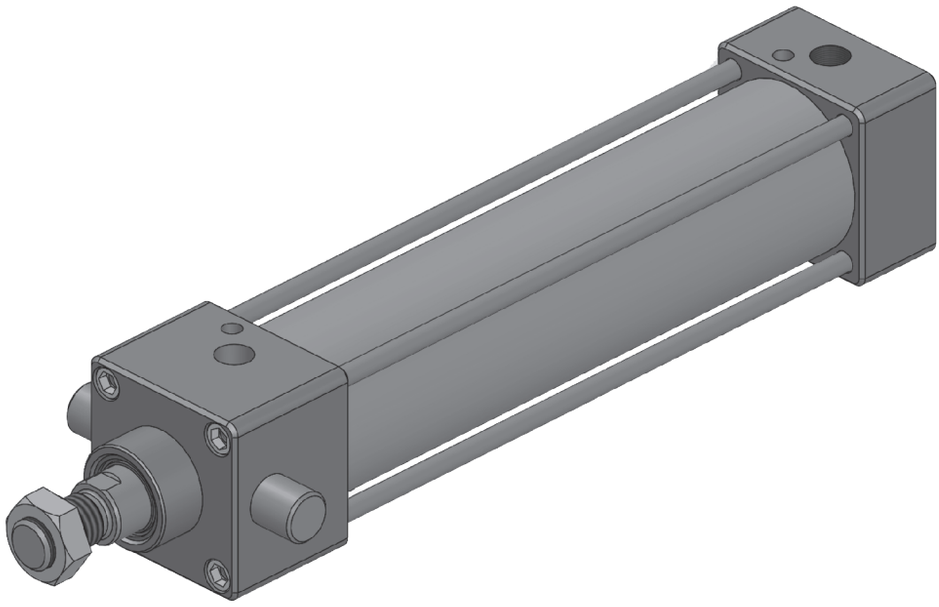


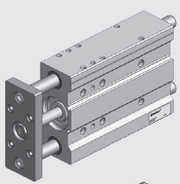




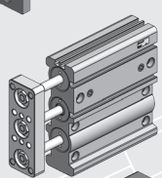






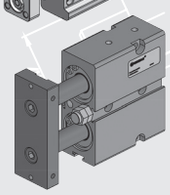


WGC - Serisi Yataklamalı Silindirler
WGC - Series Guided Cylinders



WTC - Serisi Üçlü Silindirler
WTC - Series Triple Cylinders

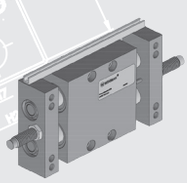
PATENTLİ



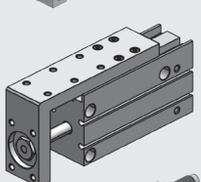
WTN - Serisi İkiz Silindirler
WTN - Series Twin Cylinders

YATAKLAMALI SİLİNDİRLER
GUIDED CYLINDERS

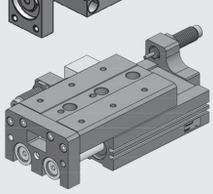
6



WSTWB - Serisi Kayar Tabla Silindirler
WSTWB - Series Slide Table Cylinders



WLH - Serisi Kompakt Yataklamalı Silindirler
WLH - Series Compact Guided Cylinders

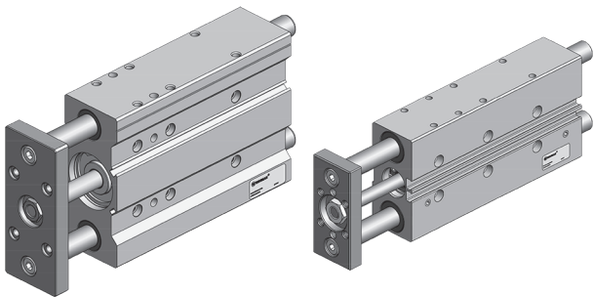


WLS - Serisi Kompakt Yataklamalı Silindirler
WLS - Series Compact Guided Cylinders

Hid-tek ölçü ve modellerde değişiklik yapma hakkına sahiptir.
Detaylı teknik bilgi için hid-tek ofisleri ile irtibata geçiniz.

Hid-tek has the right to make changes in dimensions and models
For detailed technical Contactation please contact hid-tek office.

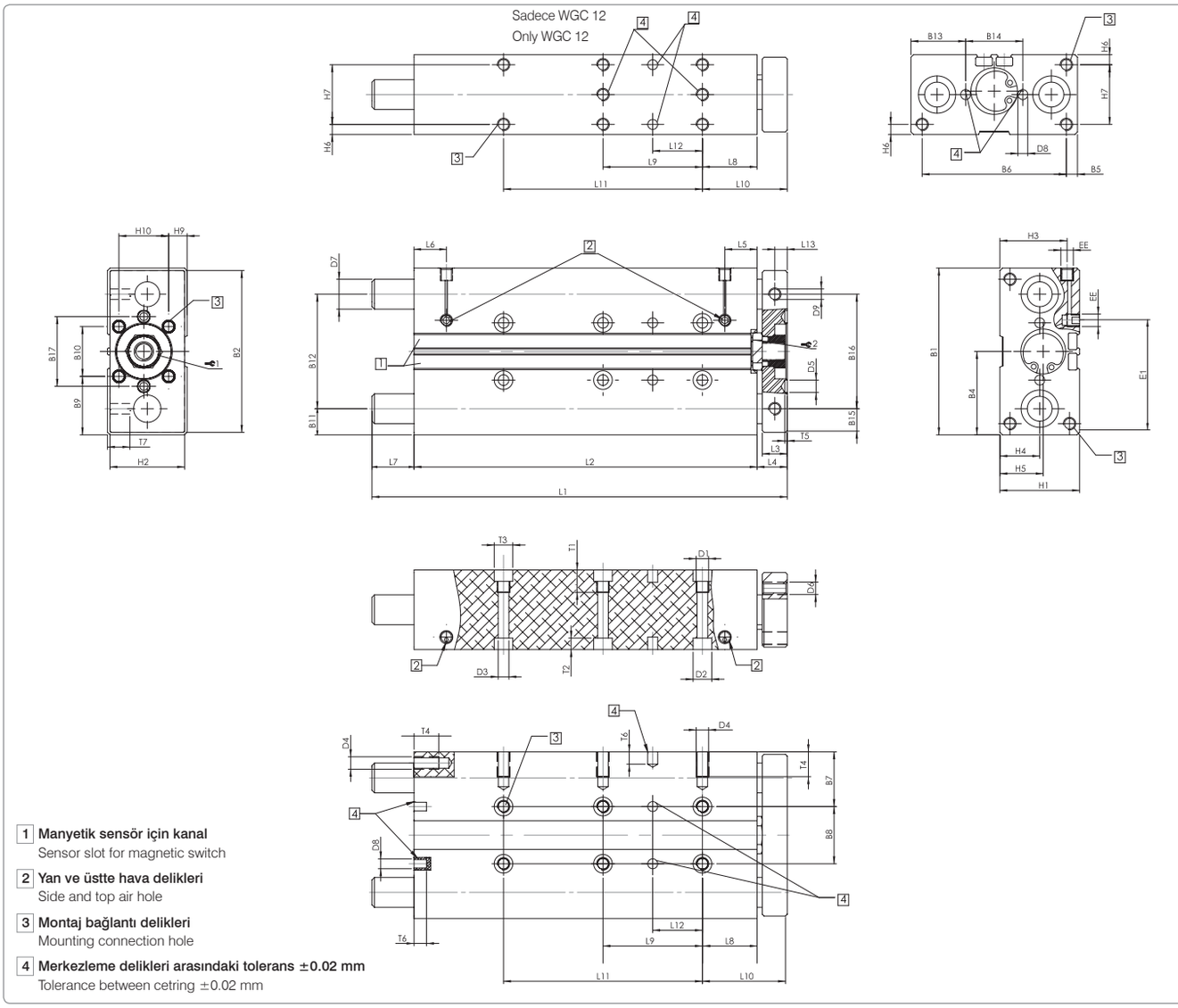
WGC - Serisi Yataklamalı Silindirler / WGC - Series Guided Cylinders



Özellikler / Specification

Piston Çapı / Bore Size	12	16	20	25	32	40	50	63
Çalışma Tipi / Acting Type	Çift Etkili / Double Acting							
Akışkan / Fluid	Hava (40µm filtrelenmiş) / Air (40µm filtered)							
Çalışma Basıncı / Op. Pressure	< 10 Bar							
Sıcaklık / Temperature	0 ~ +80 °C							
Manyetik / Magnetic	Opsiyonel / Optional							
Yastıklama Tipi / Cush. Type	Damper / Bumper							
Hız / Speed Range	< 500 mm/s							
Sensör / Sensör Switches	WT-40							

Teknik Çizim / Technical Drawing



1 **Manyetik sensör için kanal**
Sensor slot for magnetic switch

2 **Yan ve üstte hava delikleri**
Side and top air hole

3 **Montaj bağlantı delikleri**
Mounting connection hole

4 **Merkezleme delikleri arasındaki tolerans ±0.02 mm**
Tolerance between cetring ±0.02 mm

Sipariş Kodu / Ordering Code

MODEL	YATAKLAMA GUIDING	ÇAPI DIA	STROK STROKE
WGC	**R**	**025**	**0100**

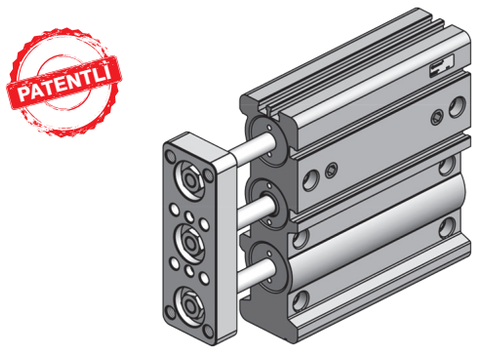
YATAKLAMALI Guiding		PİSTON ÇAPI (mm) Piston Dia	STROK (mm) Stroke
	R :RULMAN YATAKLAMALI Bearing Guide		
	B :BURÇ YATAKLAMA Bushing Guide		

WGC - Serisi Yataklamalı Silindirler / WGC - Series Guided Cylinders

Ø mm	B1	B2	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15	B16	B17	D1	D2 Ø	D3 Ø	D4	D5 Ø h7	D6	D7 Ø WGCB h8	D7 Ø WGCR h6	D8 Ø	D9	EE	E1	H1	H2	H3	H4	H5	H6	H7	H9	H10
12	60	58	30	4,5	51	20,5	19	20	20	9,5	41	19,5	21	8,5	41	25	M5	8	-	M4	5	M4	10	8	5	M4	M5	42	28	26	22	14	14	4	20	4	20
16	67	65	33,5	4,5	58	22	23	23,5	20	10,5	46	21	25	-	-	28	M5	7,5	-	M5	5	M5	14	12	4	-	M5	46	32	30	25	16	17,4	4	24	7,4	20
20	83	81	41,5	6,5	70	26,5	30	26,5	30	12,5	58	25,5	32	-	-	-	-	9	5	M5	-	M5	14	12	4	-	M5	-	36	34	30	17	17	4,5	27	7	20
25	95	93	47,5	15,5	64	30	35	27,5	40	13,5	68	30	35	-	-	-	-	9	5	M6	-	M6	16	14	4	-	G1/8''	-	44	42	34,8	19	23	4,5	35	12	20
32	110	108	55	20	70	33,5	43	35	40	16	78	33	44	-	-	-	-	11	6,5	M6	-	M6	20	16	6	-	G1/8''	-	49	47	37	21	23,5	6	37	8,5	30
40	124	118	62	17	90	36,5	51	37	50	18	88	35	54	-	-	-	-	11	6,5	M8	-	M6	20	16	6	-	G1/8''	-	54	52	40,5	30	29	6	42	10	30
50	148	146	74	19	110	42	64	44	60	19	110	40	68	-	-	-	-	11	6,5	M8	-	M8	25	20	8	-	G1/4''	-	64	62	49,5	30	32	7	50	12	40
63	162	160	81	9	144	41	80	41	80	18,5	125	40	82	-	-	-	-	15	8,5	M10	-	M8	25	20	8	-	G1/4''	-	78	76	57	32	37	9	60	19	40

Ø mm	STROKE Ø mm	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10 ±0.1	L11	L12	L13	T1	T2	T3	T4	T5	T6	T7	1	2
12	10	58	46	10	12	10	10	-	21	-	34	-	-	5	10	9,4	-	8	1	1	8	10	10
	20	68	56					-		-		-											
	25	73	61					-		20		-											
	30	78	66					-		20		-											
	40	102	76					14		20		-											
	50	112	86					14		40		-											
	80	142	116					14		40		-											
	100	162	136					14		40		80											
16	10	60	48	10	12	13	13	-	22	-	34	-	10	-	9	4,6	-	10	1	5	-	13	13
	20	70	58					-		-		-											
	25	75	63					-		20		-											
	30	80	68					-		20		-											
	40	107	78					17		20		-	20										
	50	117	88					17		40		-											
	80	147	118					17		40		-											
	100	167	138					17		40		80											
20	20	75	61	12	14	11	11	-	26	-	40	-	10	-	-	6	9	10	-	5	-	17	17
	25	80	66					-		20		-											
	30	85	71					-		20		-											
	40	121	81					26		20		-											
	50	131	91					26		40		-	20										
	80	161	121					26		40		-											
	100	181	141					26		40		80											
25	20	93	65,6	12	14	16	16	13,4	26	-	40	-	10	-	-	6	9	12	-	5	-	17	17
	25	98	70,6					13,4		20		-											
	30	103	75,6					13,4		20		-											
	40	123	85,6					23,4		20		-											
	50	133	95,6					23,4		40		-	20										
	80	163	125,6					23,4		40		-											
	100	183	145,6					23,4		40		80											
32	20	101	68	14	16	13.5	13.5	17	29	-	45	-	10	-	-	6	1	12	-	8,4	-	17	17
	25	106	73					17		20		-											
	30	111	78					17		20		-											
	40	121	88					17		20		-											
	50	131	98					17		40		-	20										
	80	179	128					35		40		-											
	100	199	148					35		40		80											
	125	244	173					55		40		80											
	160	279	208					55		40		120											
	200	319	248					55		40		160											
40	25	106	76	14	16	16,5	17,5	14	29	20	45	-	10	-	-	6	1	16	-	8,4	-	17	17
	50	131	101					14		40		-											
	80	179	131					32		40		-											
	100	199	151					32		40		80	20										
	125	244	176					52		40		80											
	160	279	211					52		40		120											
	200	319	251					52		40		160											
50	25	118	77	16	18	14,5	14,5	23	32	20	50	-	10	-	-	6	1	16	-	8,4	-	17	17
	50	143	102					23		40		-											
	80	194	132					44		40		-											
	100	214	152					44		40		80											
	125	259	177					64		40		80	20										
	160	294	212					64		40		120											
	200	334	252					64		40		160											
63	25	118	83	16	18	16	16	17	32	20	50	-	-	-	-	8,5	15	15	-	6	-	19	19
	50	143	108					17		40		-											
	80	194	138					38		40		80											
	100	214	158					38		40		80	20										
	125	259	183					58		40		120											
	160	294	218					58		40		160											
	200	334	258					58		40		200											

WTC - Serisi Üçlü Silindirler / WTC - Series Triple Cylinders

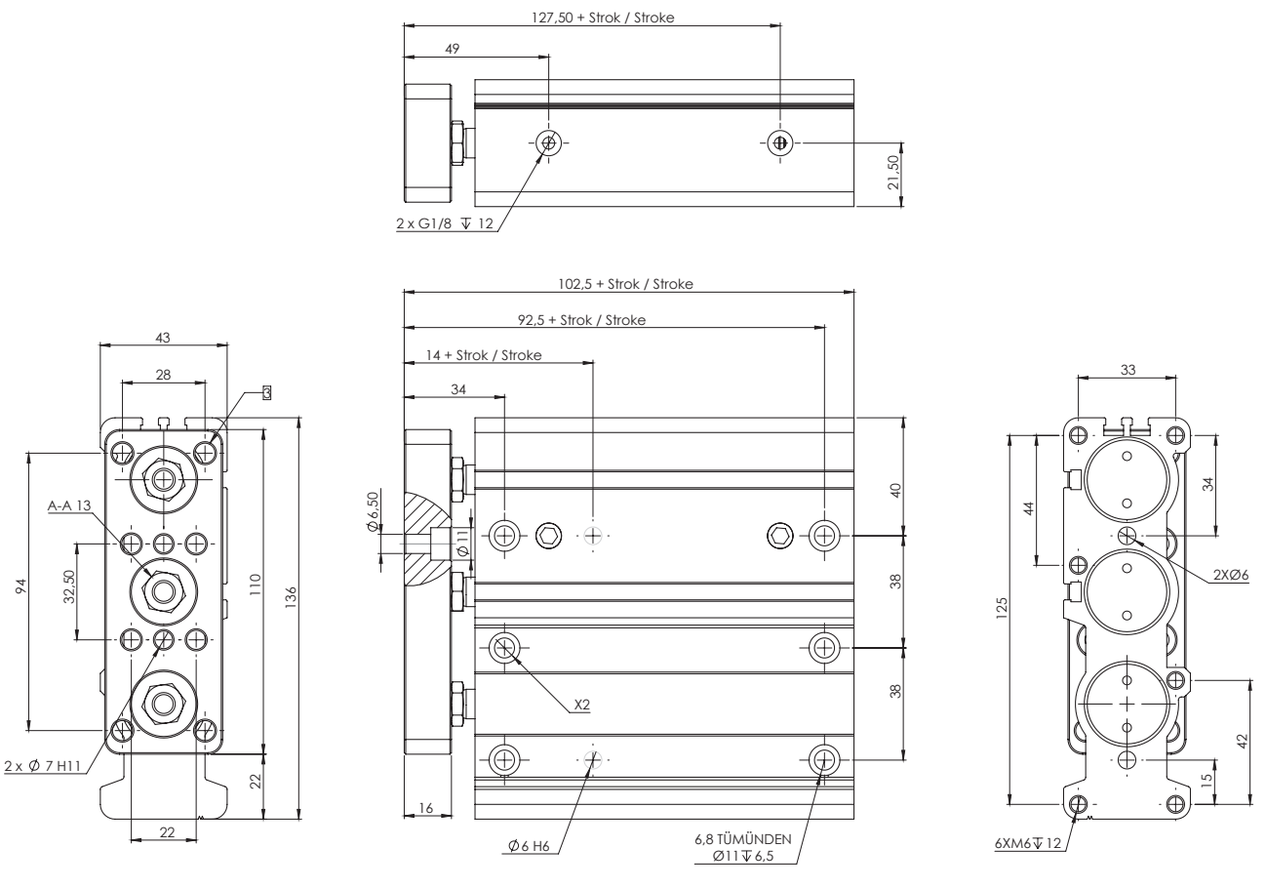


Özellikler / Specification

Piston Çapı / Bore Size	16	20	25
Çalışma Tipi / Acting Type	**Çift Etkili** / Double Acting		
Akışkan / Fluid	**Hava (40µm filtrelenmiş)** / Air (40µm filtered)		
Çalışma Basıncı / Op. Pressure	< 10 Bar		
Sıcaklık / Temperature	0 ~ +80 °C		
Manyetik / Magnetic	**Opsiyonel** / Optional		
Yastıklama Tipi / Cush. Type	**Damper** / Bumper		
Hız / Speed Range	< 500 mm/s		
Sensör / Sensör Switches	**WT-40**		

Teknik Çizim / Technical Drawing

WTC.025

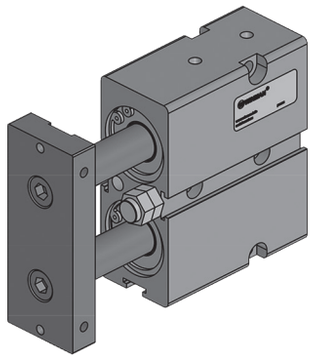


WTC.016 ve WTC.020 ölçüleri için bilgi alınız.
Contact us for WTC.016 and WTC.020 dimensions

Sipariş Kodu / Ordering Code

MODEL	ÇAP DİA.	STROK STROKE
WTC	**025**	**0050**
ÜÇLÜ SİLİNDİRLER Triple Cylinders	PİSTON ÇAPI (mm) Piston Dia	STROK (mm) Stroke

WTN- Serisi Çift Pistonlu Pnömatik Silindirler / WTN - Series Double Piston Pneumatic Cylinders

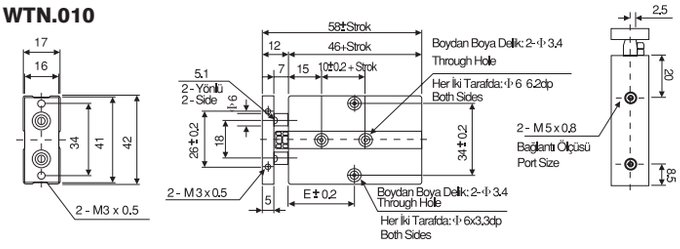


Özellikler / Specification

Piston Çapı / Bore Size	10	16	20	25	32
Çalışma Tipi / Acting Type	**Çift Etkili** / Double Acting				
Akışkan / Fluid	**Hava (40µm filtrelenmiş)** / Air (40µm filtered)				
Çalışma Basıncı / Op. Pressure	< 10 Bar				
Sıcaklık / Temperature	0 ~ +80 °C				
Manyetik / Magnetic	**Opsiyonel** / Optional				
Yastıklama Tipi / Cush. Type	**Damper** / Bumper				
Hız / Speed Range	< 500 mm/s				
Sensör / Sensör Switches	**WT-11**				

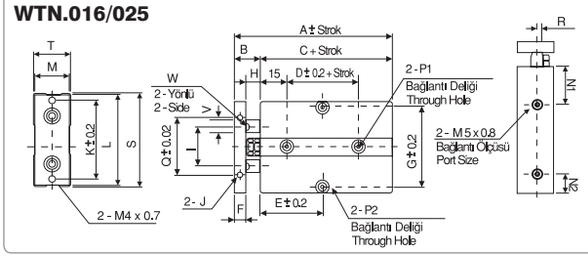
Teknik Çizim / Technical Drawing

WTN.010



STROK STROKE	10	20	30	40	50	60	70
E	30	30	35	40	45	50	55

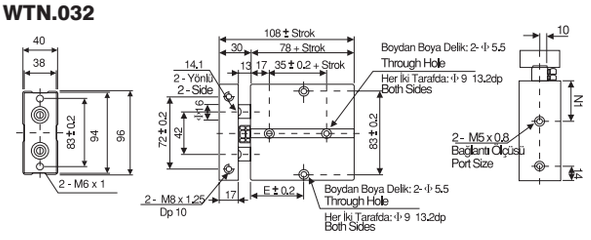
WTN.016/025



Ø mm	A	B	C	D	STR	10	20	30	40	50	60	70	80	90	100	125	150	F	G	H
16	68	15	53	20	E	30	35	40	45	50	55	60	65	70	75	87,5	100	8	47	7
20	78	20	58	20	E	35	35	40	45	50	55	60	65	70	75	87,5	100	10	55	10
25	81	19	62	30	E	40	40	45	50	55	60	65	70	75	80	92,5	105	15	66	9

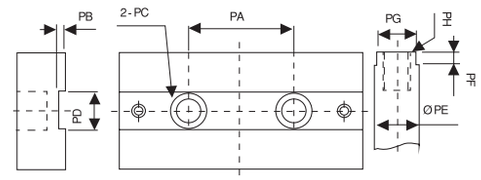
Ø mm	I	J	K	L	M	N1	N2	P1	P2	Q	R	S	T	V	W
16	24	M4X0.7-5	47	53	20	22	11	İki taraf: Ø7,5-7,2mm Boydan boya: Ø4,5	İki taraf: Ø8-4,5mm Boydan boya: Ø4,5	34	3	54	21	8	6.1
20	28	M4X0.7-5	55	61	24	25	12	İki taraf: Ø7,5-7,2mm Boydan boya: Ø4,5	İki taraf: Ø8-4,5mm Boydan boya: Ø4,5	44	3.5	62	25	10	8.1
25	34	M4X0.7-6	66	72	29	27	12	İki taraf: Ø7,5-7,2mm Boydan boya: Ø4,5	İki taraf: Ø8-4,5mm Boydan boya: Ø4,5	56	6	73	30	12	10.1

WTN.032



STROK STROKE	10	20	30	40	50	60	70	80	90	100	125	150
E	45	50	55	60	65	70	75	80	85	90	102,5	115
N1	35	40										

Sabitleme Plakası / Fixing Plate

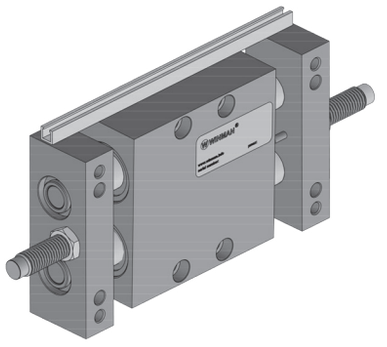


Ø mm	PA	PB	PC	PD	PE	PF	PG	PH
10	18	0,7	Ø6,2 x 3,5 - Ø3,3	5,2	6	2,2	5,1	M3 x 0,5 - 5,5
16	24	1	Ø7,8 x 4,6 - Ø4,3	6,2	8	3	6,1	M4 x 0,7 - 9
20	28	1	Ø11 x 6,8 - Ø6,5	8,2	10	3	8,1	M6 x 1 - 10
25	34	1	Ø11 x 6,8 - Ø6,5	10,2	12	3	10,1	M6 x 1 - 10
32	42	2	Ø17 x 12 - Ø10,5	14,2	16	3	14,1	M10 x 1,5 - 13

Sipariş Kodu / Ordering Code

MODEL	ÇAP DIA.	STROK STROKE
WTN	**025**	**0050**
İKİZ SİLİNDİRLER Twin Cylinders	**PİSTON ÇAPI (mm)** Piston Dia	**STROK (mm)** Stroke

WSTWB - Serisi Kayar Tabla Silindirler / WSTWB - Series Slide Table Cylinders

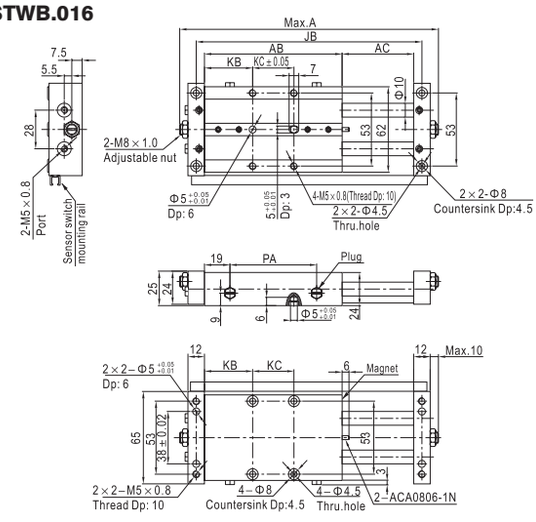


Özellikler / Specification

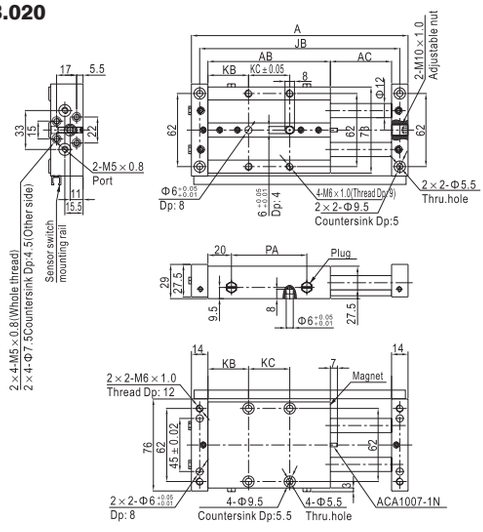
Piston Çapı / Bore Size	10	16	20	25
Çalışma Tipi / Acting Type	**Çift Etkili** / Double Acting			
Akışkan / Fluid	**Hava (40μm filtrelenmiş)** / Air (40μm filtered)			
Çalışma Basıncı / Op. Pressure	< 10 Bar			
Sıcaklık / Temperature	0 ~ +80 °C			
Manyetik / Magnetic	**Opsiyonel** / Optional			
Yastıklama Tipi / Cush. Type	**Damper** / Bumper			
Hız / Speed Range	< 500 mm/s			
Sensör / Sensör Switches	**WT-11**			

Teknik Çizim / Technical Drawing

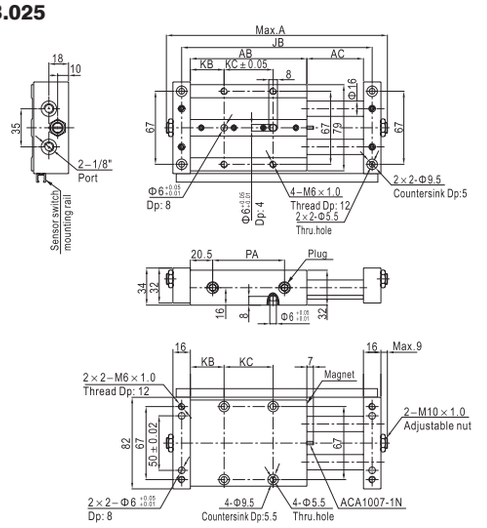
WSTWB.016



WSTWB.020



WSTWB.025



WSTWB.016

STROK	A	AB	AC	JB	KB	KC	PA
50	184	104	52	170	34.5	35	64
75	234	129	77	220	34.5	60	89
100	284	154	102	270	39.5	75	114
125	334	179	127	320	44.5	90	139
150	384	204	152	393	57	90	164
175	434	229	177	429	69.5	90	189
200	484	254	202	470	82	90	214

WSTWB.020

STROK	A	AB	AC	JB	KB	KC	PA
50	196	100	52	154	35	30	62
75	246	125	77	214	32.5	60	87
100	296	150	102	264	37.5	75	112
125	346	175	127	314	42.5	90	137
150	396	200	152	364	55	90	162
175	446	225	177	414	67.5	90	187
200	496	250	202	464	80	90	212

WSTWB.025

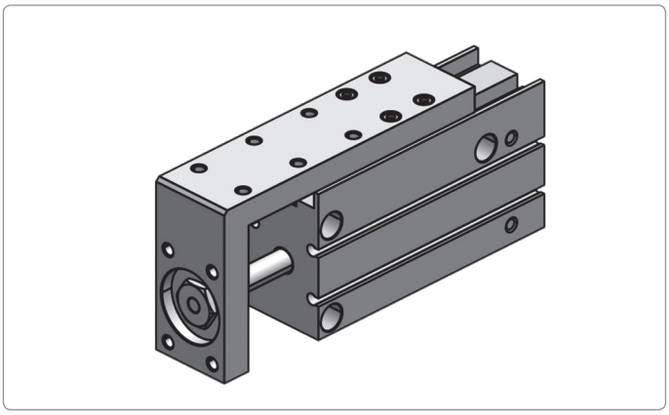
STROK	A	AB	AC	JB	KB	KC	PA
50	209	107	52	175	31	45	66
75	259	132	77	225	33.5	65	91
100	309	157	102	275	33.5	90	116
125	359	182	127	325	46	90	141
150	409	207	152	375	68.5	90	186
175	459	232	177	425	71	90	191
200	509	257	202	475	83.5	90	216

Sipariş Kodu / Ordering Code

MODEL	ÇAP DIA.	STROK STROKE
WSTWB	**025**	**0050**

KAYAR TABLA Slide Table	PİSTON ÇAPI (mm) Piston Dia	STROK (mm) Stroke

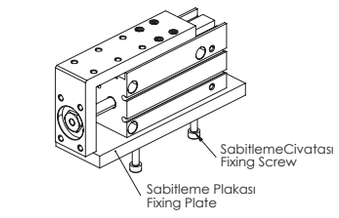
WLH - Serisi Kompakt Yataklamalı Silindirler / WLH - Series Compact Guided Cylinders

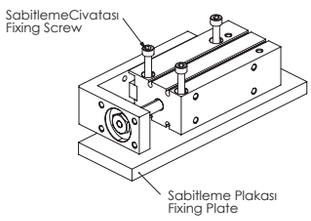


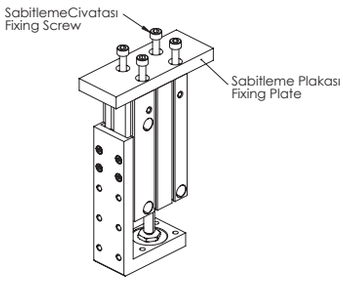
Özellikler / Specification

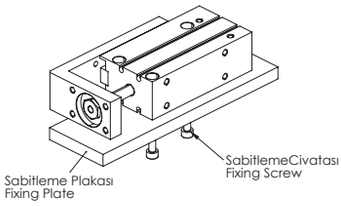
Piston Çapı / Bore Size	6	10	16	20
Çalışma Tipi / Acting Type	**Çift Etkili** / Double Acting			
Akışkan / Fluid	**Hava (40μm filtrelenmiş)** / Air (40μm filtered)			
Çalışma Basıncı / Op. Pressure	< 10 Bar			
Sıcaklık / Temperature	0 ~ +80 °C			
Manyetik / Magnetic	**Opsiyonel** / Optional			
Yastıklama Tipi / Cush. Type	**Damper** / Bumper			
Hız / Speed Range	< 500 mm/s			
Sensör / Sensör Switches	**WT-07**			

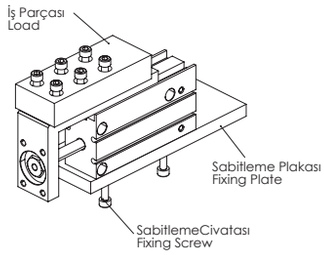
Montaj / Assembly

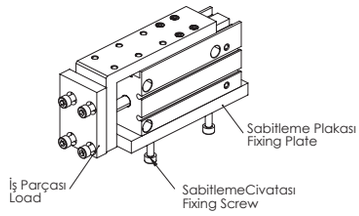


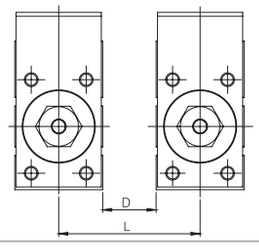






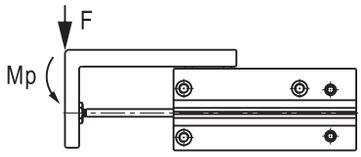


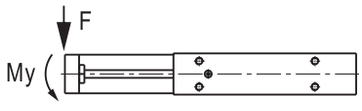


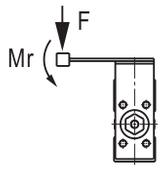


Ø mm	D	L
6	5	21
10	5	25
16	10	35
20	15	47

D ve L ölçülerinden daha yakın ölçülerde montajlanırsa manyetik sensörler hatalı çalışabilir.
If it si assembled closer than specified D and L dimensions magnetic sensors can mulfunction







Moment hesaplamaları için bilgi alınız.
Contact us for moment calculations

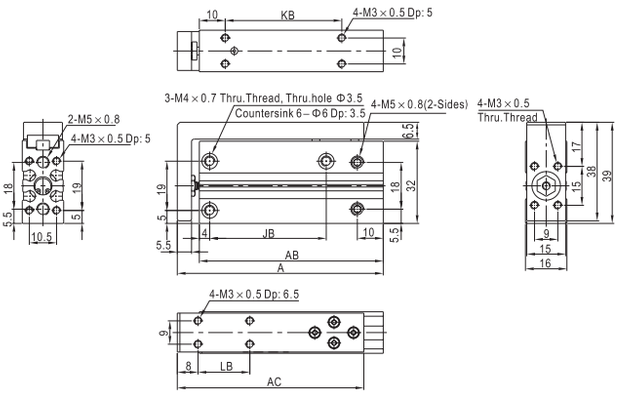
Sipariş Kodu / Ordering Code

MODEL	ÇAP DIA.	STROK STROKE
WLH	**025**	**0050**
LİNEER YATAKLAMALI Linear Guiding	PİSTON ÇAPI (mm) Piston Dia	STROK (mm) Stroke

WLH - Serisi Kompakt Yataklamalı Silindirler / WLH - Series Compact Guided Cylinders

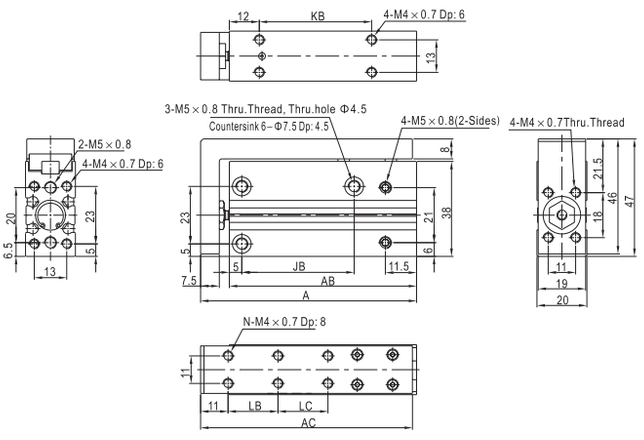
Teknik Çizim / Technical Drawing

WLH.006



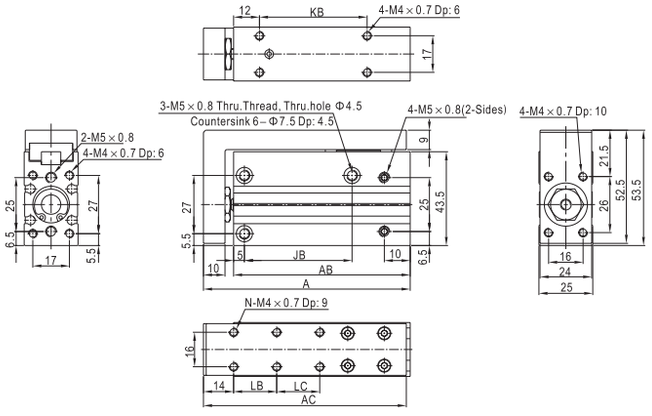
Strok Stroke	A	AB	AC	JB	KB	LB
5	44,5	36	42	14	10	10
10	49,5	41	42	14	15	10
15	54,5	46	52	24	20	20
20	59,5	51	52	24	25	20
25	64,5	56	62	30	30	30
30	69,5	61	62	30	35	30

WLH.010



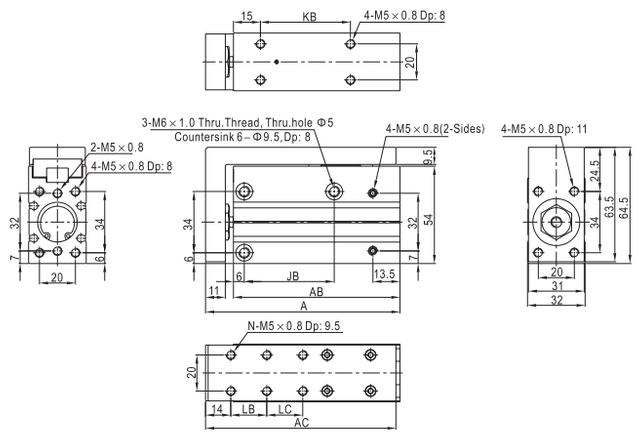
Strok Stroke	A	AB	AC	JB	KB	LB	LC	N
5	51,5	40	50	14	10	10		4
10	56,5	45	55	14	15	10		4
15	61,5	50	60,5	24	20	20		4
20	66,5	55	63	24	25	20		4
25	71,5	60	70,5	30	30	30		4
30	76,5	65	75,5	30	35	30		4
40	86,5	75	85,5	45	45	20	20	6
50	96,5	85	93	55	55	25	25	6

WLH.016



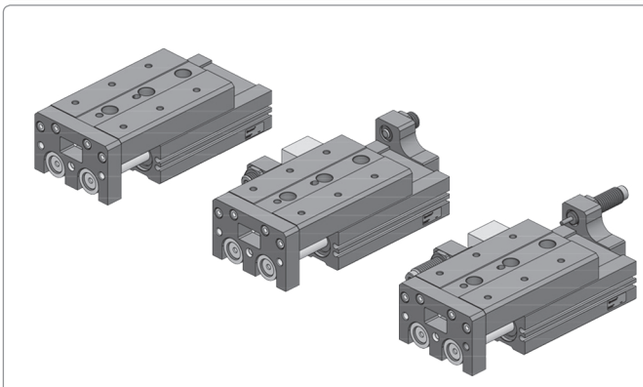
Strok Stroke	A	AB	AC	JB	KB	LB	LC	N
5	61	47	60	20	15	10		4
10	66	52	64,5	20	20	10		4
15	71	57	69,5	30	25	20		4
20	76	62	75	30	30	20		4
25	81	67	80	40	35	30		4
30	86	72	84,5	40	40	30		4
40	96	82	95	50	50	20	20	6
50	106	92	104,5	60	60	25	25	6
60	116	102	114,5	60	70	30	30	6

WLH.020



Strok Stroke	A	AB	AC	JB	KB	LB	LC	N
5	73	57,5	72	20	15	10		4
10	78	62,5	72	20	20	10		4
15	83	67,5	82	25	25	20		4
20	88	72,5	82	25	30	20		4
25	93	77,5	92	40	35	30		4
30	98	82,5	92	40	40	30		4
40	108	92,5	100	50	50	20	20	6
50	118	102,5	113,5	70	60	25	25	6
60	128	112,5	122,5	70	70	30	30	6

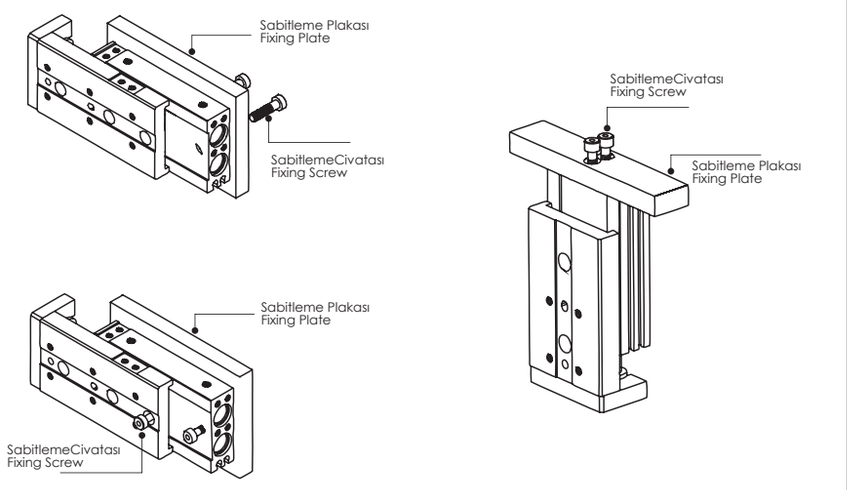
WLS - Serisi Kompakt Yataklamalı Silindirler / WLS - Series Compact Guided Cylinders

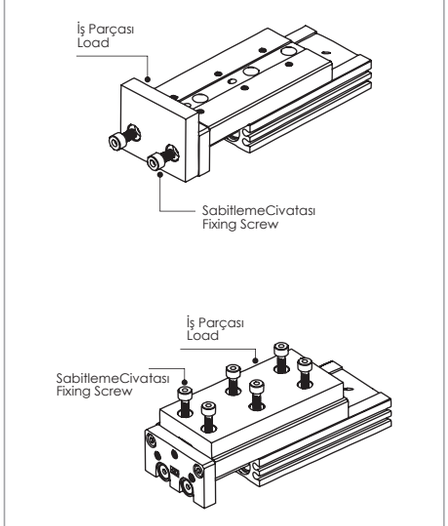


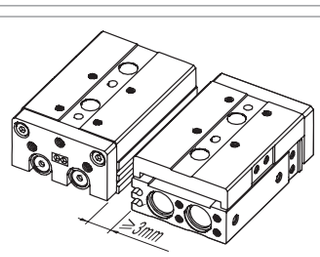
Özellikler / Specification

Piston Çapı / Bore Size	6	8	12	16	20	25
Çalışma Tipi / Acting Type	**Çift Etkili** / Double Acting					
Akışkan / Fluid	**Hava (40µm filtrelenmiş)** / Air (40µm filtered)					
Çalışma Basıncı / Op. Pressure	< 10 Bar					
Sıcaklık / Temperature	0 ~ +80 °C					
Manyetik / Magnetic	**Opsiyonel** / Optional					
Yastıklama Tipi / Cush. Type	**Damper** / Bumper, **Şok Alıcı** / Shock Absorber					
Hız / Speed Range	< 500 mm/s					
Sensör / Sensör Switches	**WT-07**					

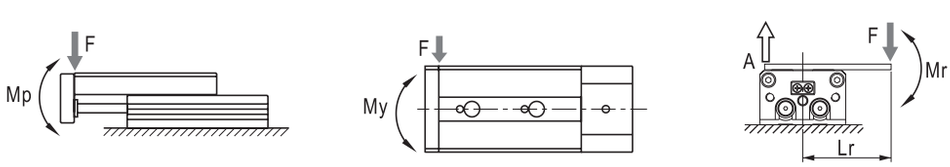
Montaj / Assembly







3 mm'den daha yakın ölçülerde montajlanırsa manyetik sensörler hatalı çalışabilir.
If it si assembled closer than 3 mm dimensions magnetic sensors can mulfunction



Moment hesaplamaları için bilgi alınız. / Contact us for moment calculations

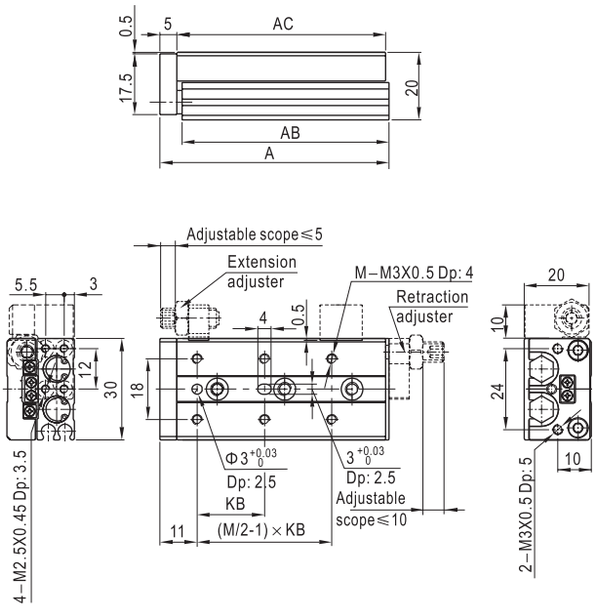
Sipariş Kodu / Ordering Code

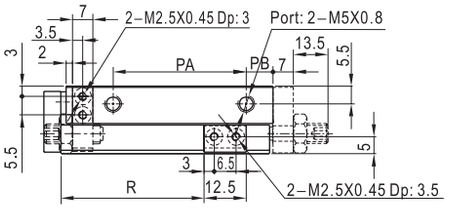
MODEL	ÇAP DIA.	STROK STROKE
WLS	**025**	**0050**
LİNEER YATAKLAMALI Linear Guiding	PİSTON ÇAPI (mm) Piston Dia	STROK (mm) Stroke

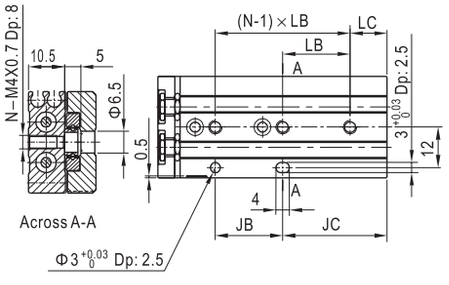
WLS - Serisi Silindirler / WLS - Series Compact Cylinders

Teknik Çizim / Technical Drawing

WLS.006

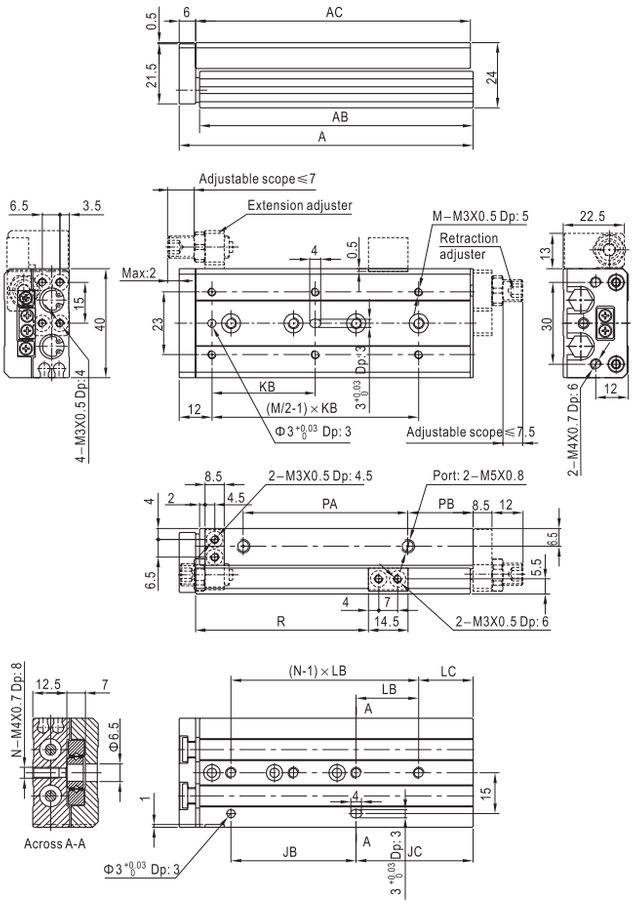






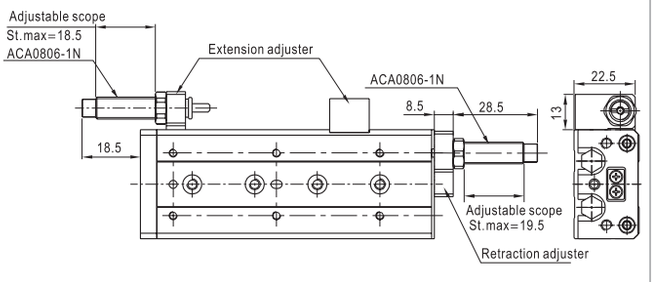
Strok Stroke	A	AB	AC	JB	JC	KB	LB	LC	M	N	PA	PB	R
10	48	41,5	42	20	11	20	25	6	4	2	19	8	21,5
20	58	51,5	52	20	21	30	35	6	4	2	28	9	31,5
30	68	61,5	62	20	31	20	20	11	6	3	39	8	41,5
40	90	83,5	84	30	43	28	30	13	6	3	51	18	51,5
50	106	99,5	100	48	41	38	24	17	6	4	61	24	61,5

WLS.008



Strok Stroke	A	AB	AC	JB	JC	KB	LB	LC	M	N	PA	PB	R
10	56	48,5	49	20	17	25	28	9	4	2	20	12	23,5
20	61	53,5	54	30	12	25	30	12	4	2	30	7	33,5
30	72	64,5	65	20	33	40	20	13	4	3	41	7	43,5
40	90	82,5	83	28	43	50	28	15	4	3	56	10	53,5
50	108	100,5	101	46	43	38	23	20	6	4	61	23	63,5
75	158	150,5	151	56	83	50	28	27	6	5	94	40	88,5

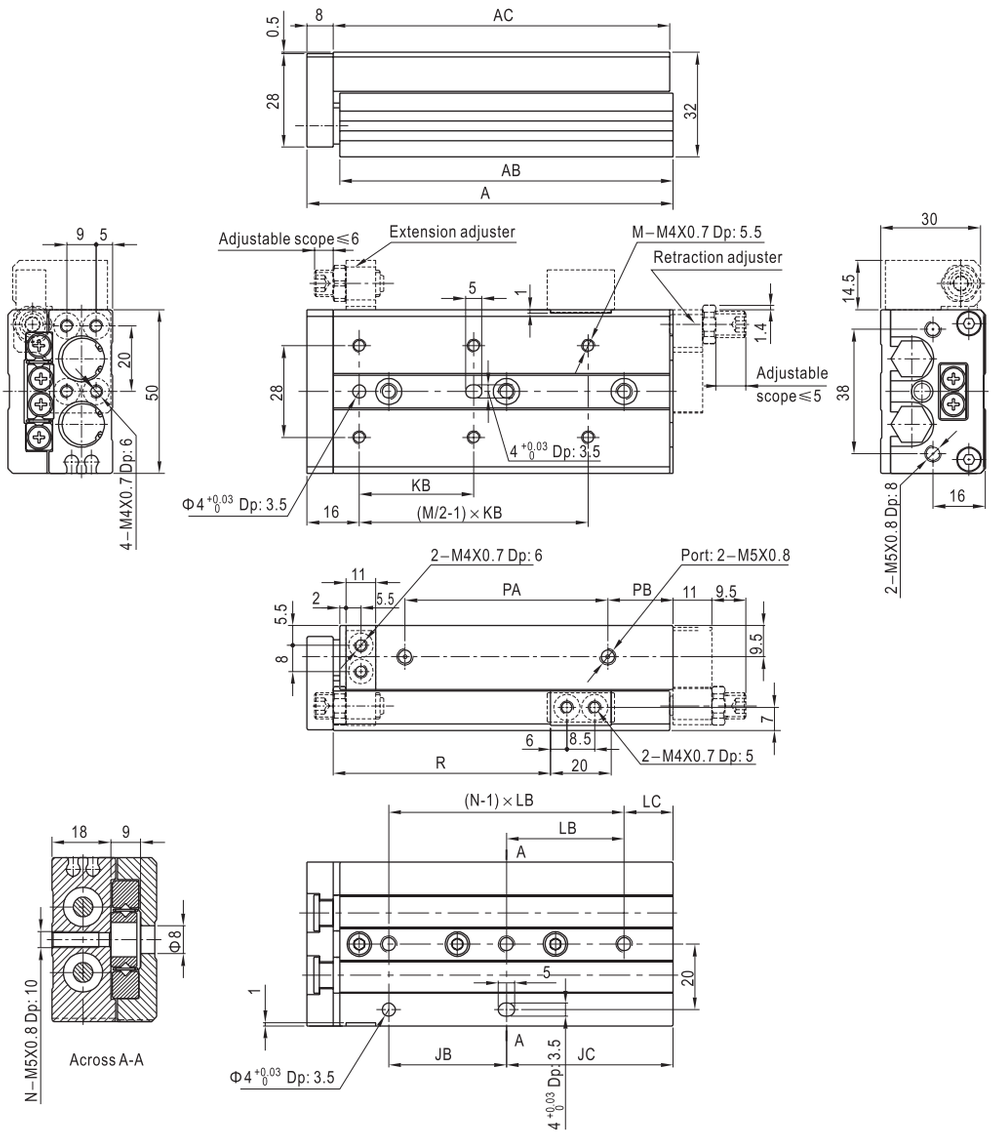
WLS 8 (With shock absorber)



WLS - Serisi Silindirler / WLS - Series Compact Cylinders

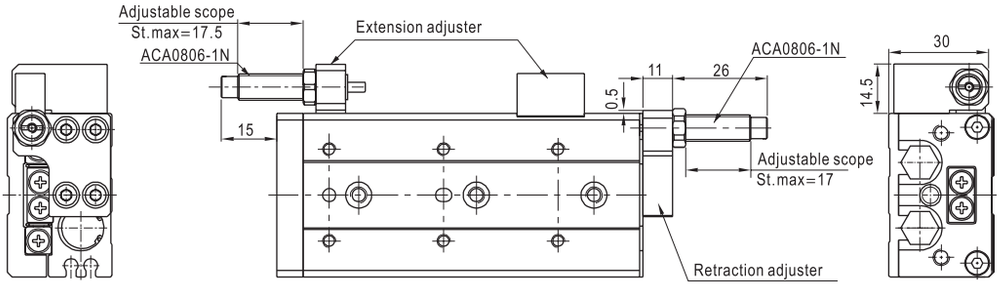
Teknik Çizim / Technical Drawing

WLS.012



Strok Stroke	A	AB	AC	JB	JC	KB	LB	LC	M	N	PA	PB	R
10	80	70	71	40	15	35	40	15	4	2	39,5	10	25
20	80	70	71	40	15	35	40	15	4	2	39,5	10	35
30	80	70	71	40	15	35	40	15	4	2	39,5	10	45
40	92	82	83	25	42	50	25	17	4	3	51,5	10	55
50	112	102	103	36	51	35	36	15	6	3	61,5	20	65
75	158	148	149	72	61	55	36	25	6	4	87,5	40	90
100	212	202	203	76	111	65	38	35	6	5	131,5	50	115

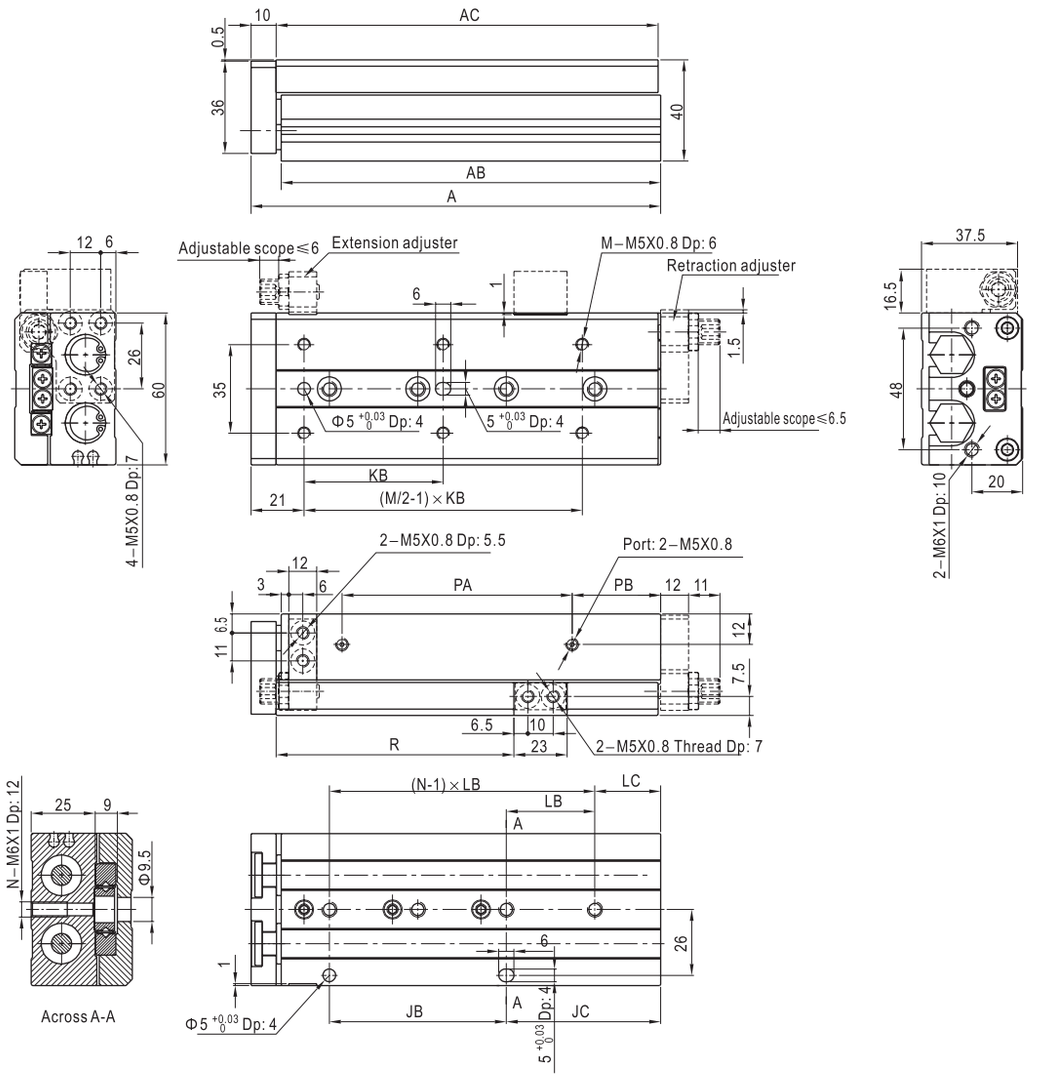
WLS 12 (With shock absorber)



WLS - Serisi Silindirler / WLS - Series Compact Cylinders

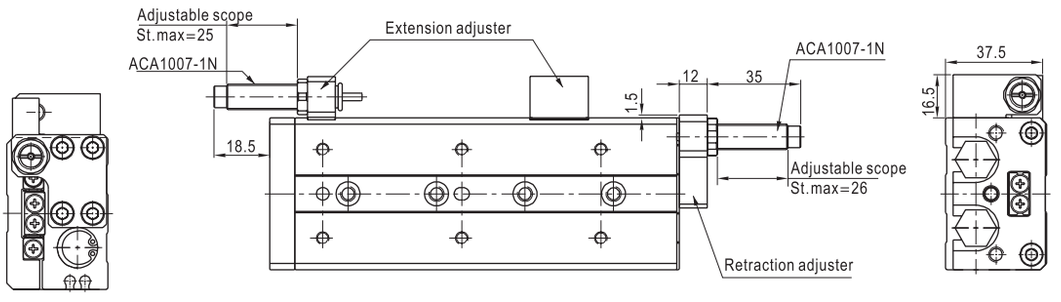
Teknik Çizim / Technical Drawing

WLS.016



Strok Stroke	A	AB	AC	JB	JC	KB	LB	LC	M	N	PA	PB	R
10	87	75	76	16	16	35	40	16	4	2	42,5	8	28,5
20	87	75	76	16	16	35	40	16	4	2	42,5	8	38,5
30	87	75	76	16	16	35	40	16	4	2	42,5	8	48,5
40	97	85	86	16	16	40	50	16	4	2	52,5	8	58,5
50	112	100	101	51	51	30	30	21	6	3	63,5	12	68,5
75	162	150	151	61	61	55	35	26	6	4	90,5	35	93,5
100	210	198	199	109	109	65	35	39	6	5	118,5	55	118,8
125	260	248	249	159	159	70	35	19	8	7	153,5	70	143,5

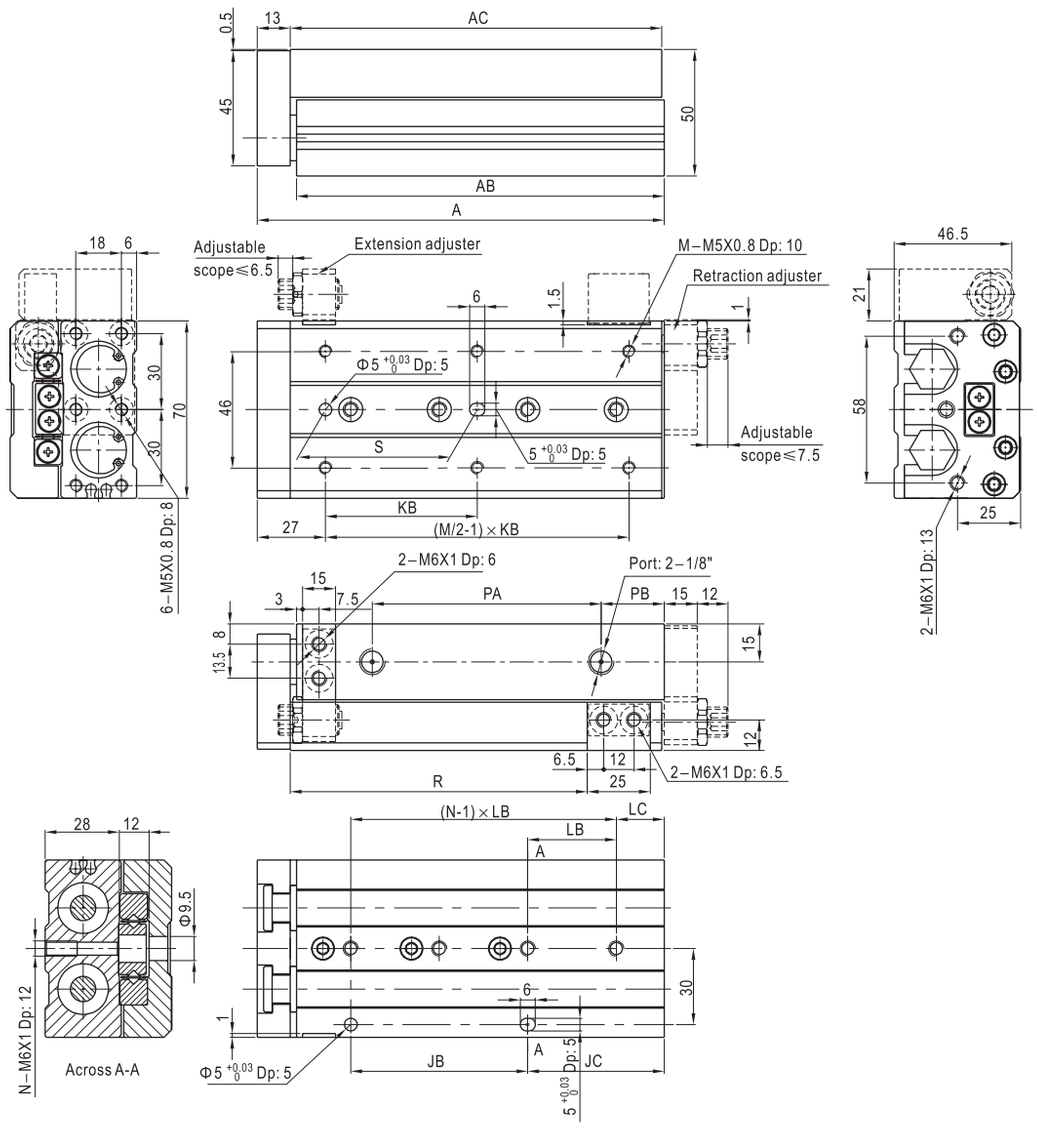
WLS 16 (With shock absorber)



WLS - Serisi Silindirler / WLS - Series Compact Cylinders

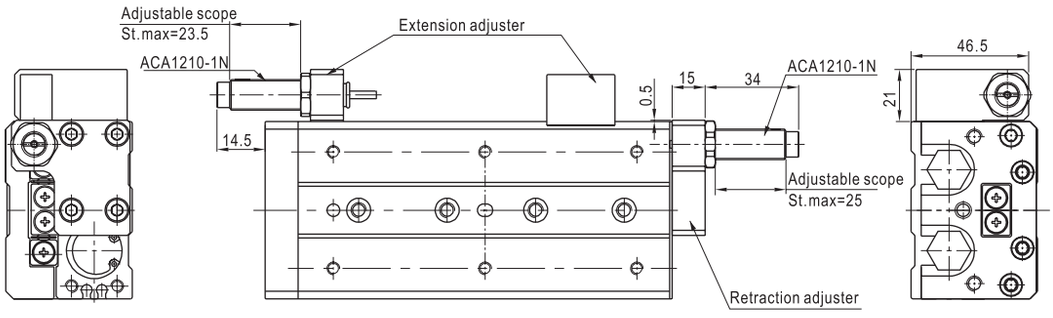
Teknik Çizim / Technical Drawing

WLS.020



Strok Stroke	A	AB	AC	JB	JC	KB	LB	LC	M	N	S	PA	PB	R
10	97	81,5	83	35	25	50	45	15	4	2	40	43,5	10	32,5
20	97	81,5	83	35	25	50	45	15	4	2	40	43,5	10	42,5
30	97	81,5	83	35	25	50	45	15	4	2	40	43,5	10	52,5
40	107	91,5	93	35	35	60	55	15	4	2	50	53,5	10	62,5
50	122	106,5	108	35	50	35	35	15	6	3	35	68,5	10	72,5
75	161	145,5	147	70	54	60	35	19	6	4	60	107,5	10	97,5
100	214	198,5	200	70	107	70	35	37	6	5	70	115,5	55	122,5
125	268	252,5	254	76	155	70	38	41	8	6	70	154,5	70	147,5
150	320	304,5	306	88	195	80	44	19	8	7	80	186,5	90	172,5

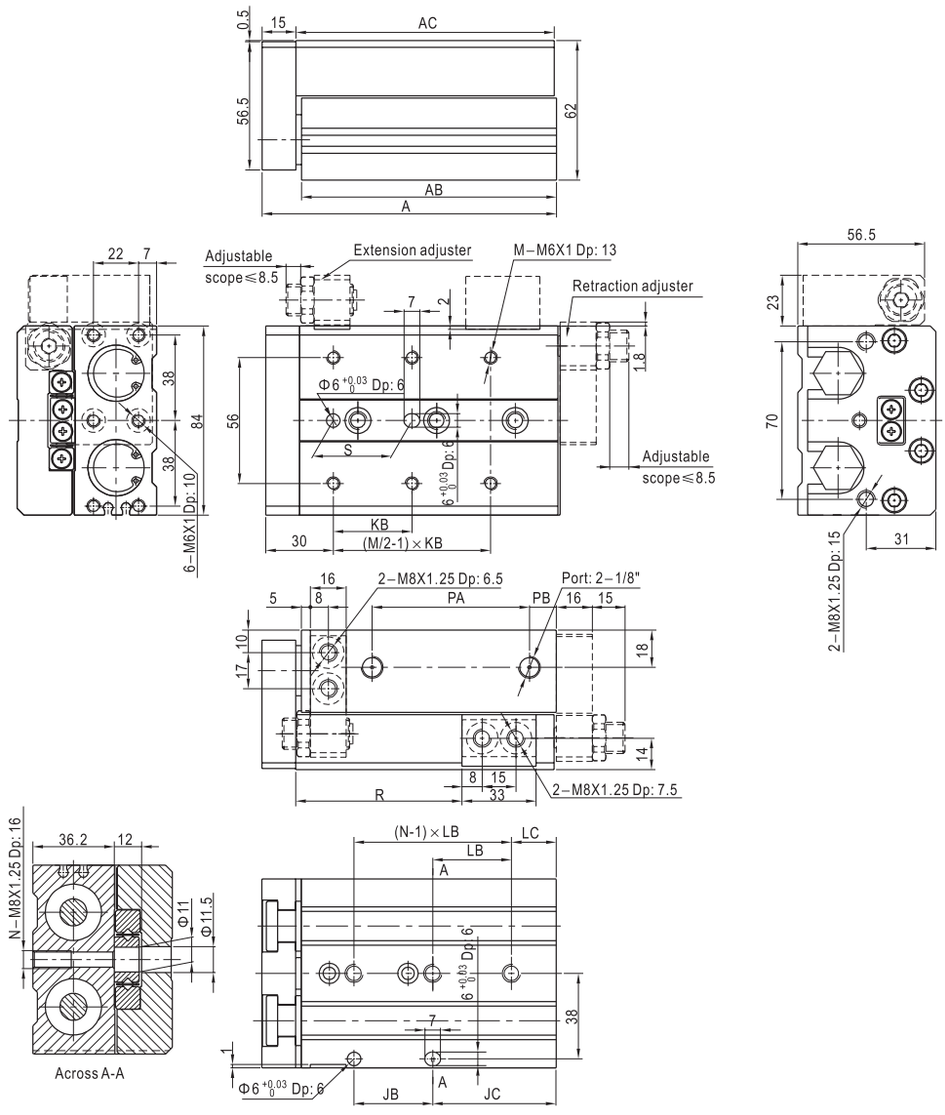
WLS 20 (With shock absorber)



WLS - Serisi Silindirler / WLS - Series Cylinders

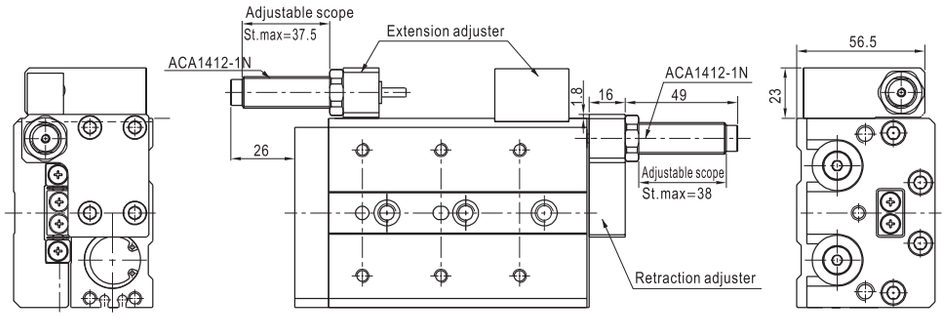
Teknik Çizim / Technical Drawing

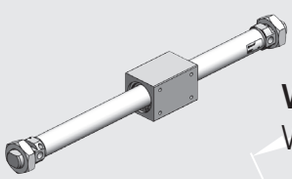
WLS.025



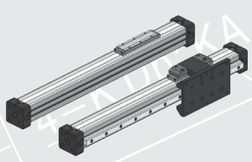
Ø mm	A	AB	AC	JB	JC	KB	LB	LC	M	N	S	PA	PB	R
10	108	90,5	92	45	22	50	45	22	4	2	40	47	12	35
20	108	90,5	92	45	22	50	45	22	4	2	40	47	12	45
30	108	90,5	92	45	22	50	45	22	4	2	40	47	12	55
40	118	100,5	102	55	22	60	55	22	4	2	50	57	12	65
50	131	113,5	115	35	55	35	35	20	6	3	35	70	12	75
75	172	154,5	156	70	61	60	35	26	6	4	60	90	33	100
100	213	195,5	197	70	102	70	35	32	6	5	70	119	45	125
125	271	253,5	255	76	154	75	38	40	8	6	75	155	67	150
150	311	293,5	295	80	190	80	40	30	8	7	80	180	82	175

WLS 25 (With shock absorber)





WMS - Serisi Milsiz Manyetik Silindirler
WMS - Series Rodles Magnetic Cylinders



WRLF - Serisi Milsiz Silindirler
WRLF - Series Rodles Cylinders

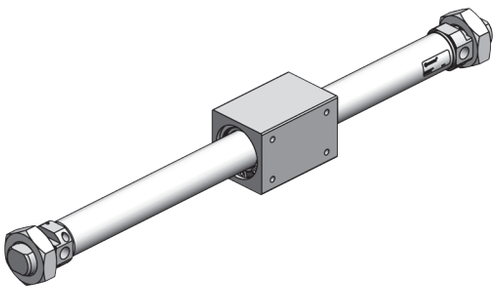
MİLSİZ SİLİNDİRLER
RODLES CYLINDERS

7

Hid-tek ölçü ve modellerde değişiklik yapma hakkına sahiptir.
Detaylı teknik bilgi için hid-tek ofisleri ile irtibata geçiniz.

Hid-tek has the right to make changes in dimensions and models
For detailed technical Contactation please contact hid-tek office.

WMS - Serisi Milsiz Manyetik Silindirler / WMS - Series Rodless Magnetic Cylinders

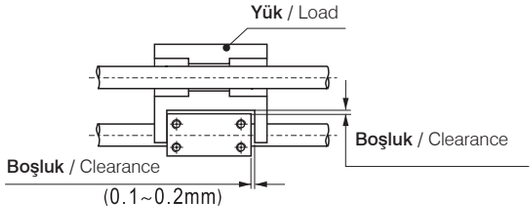


Özellikler / Specification

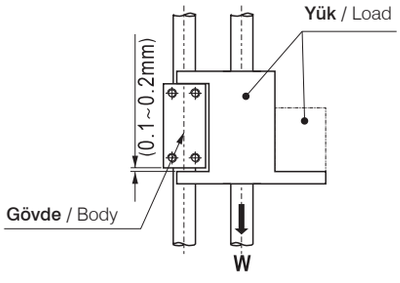
Piston Çapı / Bore Size	10	16	20	25	32
Çalışma Tipi / Acting Type	**Çift Etkili** / Double Acting				
Akışkan / Fluid	**Hava (40µm filtrelenmiş)** / Air (40µm filtered)				
Çalışma Basıncı / Op. Pressure	1.5 ~ 7 Bar				
Sıcaklık / Temperature	0 ~ +60 °C				
Manyetik / Magnetic	-				
Yastıklama Tipi / Cush. Type	**Ayarlanabilir Yastıklama** / Adjustable Cushioning				
Hız / Speed Range	< 400 mm/s				
Sensör / Sensör Switches	**WT-11**				

Montaj / Assembly

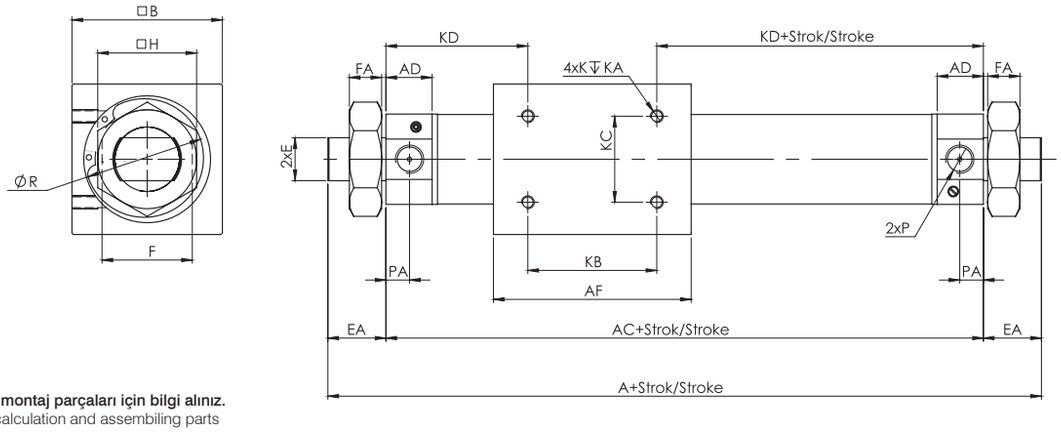
Yatay / Horizontal



Dikey / Vertical



Teknik Çizim / Technical Drawing



*** Hesaplama ve montaj parçaları için bilgi alınız.**
* Contuct us for calculation and assembiling parts

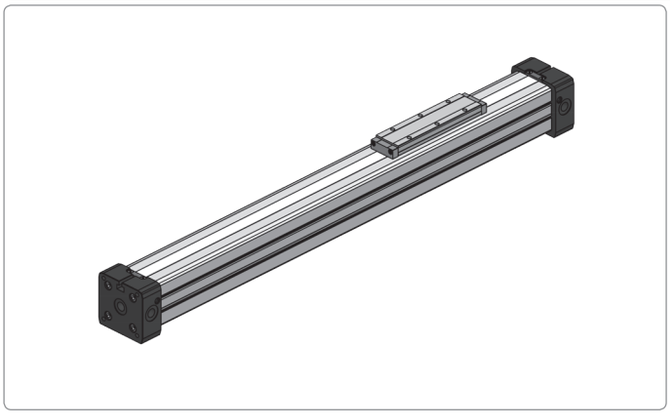
Ø mm	A	AC	AD	AF	B	E	EA	F	FA	H	J	JA	K	KA	KB	KC	KD	P	PA	R
16	103	83	10	57	35	M10 x 1,0	10	14	4	20	-	-	M4 x 0,7	5	35	19	24	M5 x 0,8	5,5	22
20	132	106	15	66	40	M20 x 1,5	13	26	8	25	-	-	M4 x 0,7	5,5	50	25	28	1/8''	7,5	29
25	137	111	15	70	46	M26 x 1,5	13	32	8	30	-	-	M5 x 0,8	7,5	50	30	30,5	1/8''	7,5	33,5
32	156	124	16	80	60	M26 x 1,5	16	32	8	36	-	-	M6 x 1,0	8	50	40	37	1/8''	8	39,5
40	182	150	22	92	70	M32 x 2,0	16	41	10	46	-	-	M6 x 1,0	9	60	40	45	1/4''	11	49,5

Sipariş Kodu / Ordering Code

MODEL MODEL	ÇAP DİA	STROK STROKE
WMS	**025**	**0500**

MİLSİZ MANYETİK Rodless Magnetic	PİSTON ÇAPI (mm) Piston Dia	STROK (mm) Stroke

WRLF - Serisi Milsiz Silindirler/ WRLF - Series Rodless Cylinders

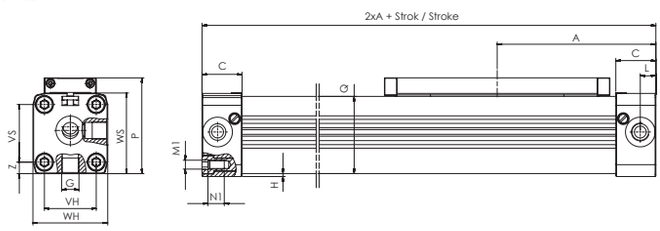


Özellikler / Specification

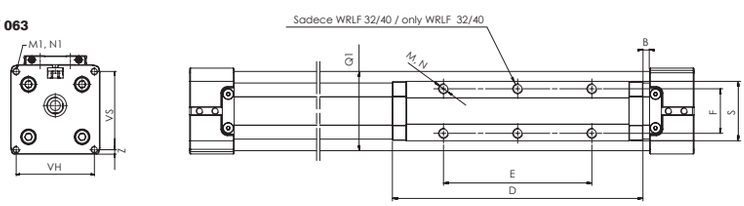
Piston Çapı / Bore Size	16	25	32	40	50	63
Çalışma Tipi / Acting Type	**Çift Etkili** / Double Acting					
Akışkan / Fluid	**Hava (40µm filtrelenmiş)** / Air (40µm filtered)					
Çalışma Basıncı / Op. Pressure	0.5 ~ 8 Bar					
Sıcaklık / Temperature	0 ~ +80 °C					
Manyetik / Magnetic	**Standart** / Standard					
Yastıklama Tipi / Cush. Type	**Ayarlanabilir Yastıklama** / Adjustable Cushioning					
Hız / Speed Range	< 500 mm/s					
Sensör / Sensör Switches	**WT-11 + WRLK Braket** / Bracket					

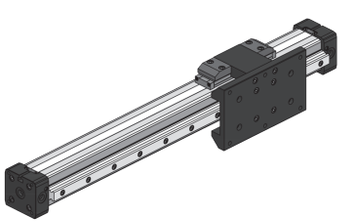
Teknik Çizim / Technical Drawing

WRLF.016 / 032

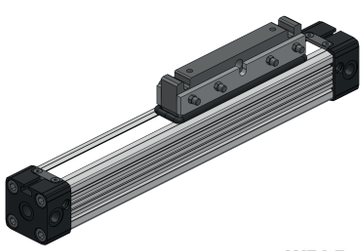


WRLF.040 / 063





WRLK



WRLB

WRLK ve WRLB modelleri için bilgi alınız.
Contact us for WRLK and WRLB models.

*** Hesaplama ve montaj parçaları için bilgi alınız.**
* Contact us for calculation and assembiling parts

Ø mm	A	B	C	D	E	F	G	H	L	M	M1	N	N1	P	QXQ1	S	VS	VH	WS	WH	Z
16	65	15,5	15	69	36	16,5	M5	1,5	5,5	M4	M3	7	7	36,5	24x24	22	18	18	27	27	4,5
25	100	21	23	111	65	25	G1/4	2	8,5	M5	M5	10	12	52,5	36x36	33	27	27	40	40	6,5
32	125	22	27	152	90	27	G1/4	2	10,5	M6	M6	7	14	66,5	52x48	336	40	36	56	52	8
40	150	44	30	152	90	27	G1/4	7	15	M6	M6	10	17	80	58x58	36,4	54	54	69	72	9
50	175	42	33	200	110	27	G1/4	0,5	11,7	M6	M6	6	18	88	77x78	56	70	70	80	80	4
63	215	47	50	233	155	36	G3/8	1,5	25	M8	M8	15	18	123	102x102	50	78	78	106	106	14,5

Sipariş Kodu / Ordering Code

MODEL MODEL	ÇAP DIA	STROK STROKE
WRLF	**025**	**0500**

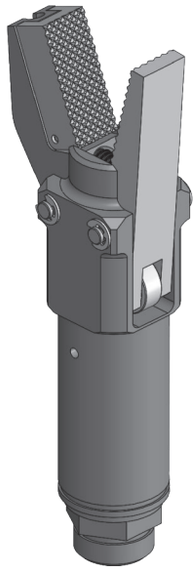
MİLSİZ MANYETİK Rodless Magnetic	PİSTON ÇAPI (mm) Piston Dia	STROK (mm) Stroke

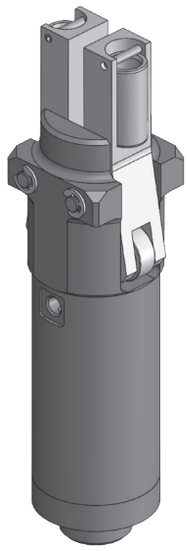
WINMAN®
Türk Markası

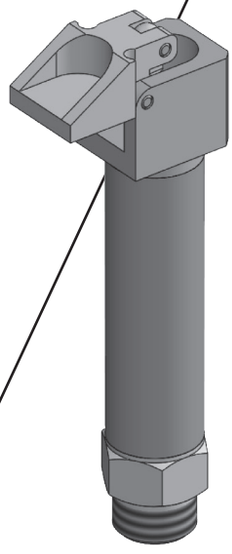
ÖZEL PNÖMATİK GRİPPER
SPECIAL PNEUMATIC GRIPPERS

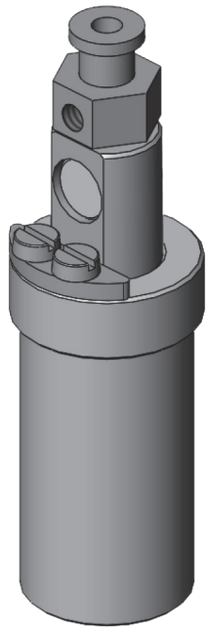
WINMAN Özel silindirler; özel tasarımlarla, makine ve apartlarınızda tasarım esnekliği sağlar.
Çalışma koşullarına özel olarak yapılan tasarımlarla daha kaliteli ürünler sunmanıza yardımcı olur.

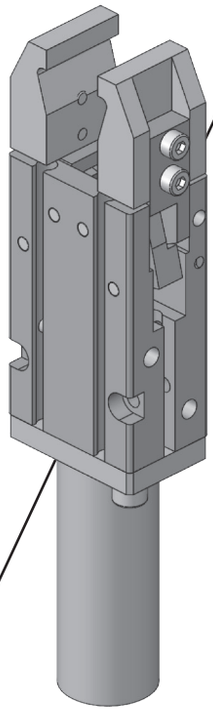
WINMAN *special cylinders provides design flexibility to your machine and apparatus with special designs. Helps you to introduce more higher quality products with designs special to work conditions.*

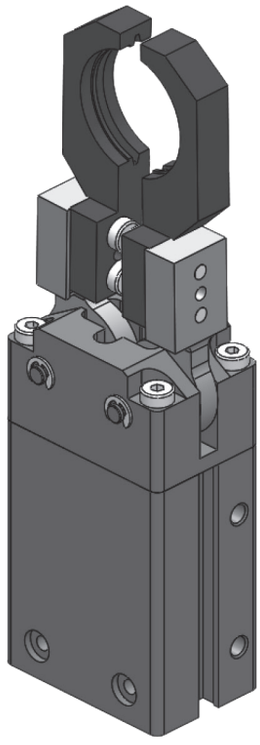


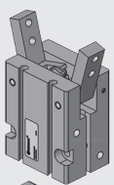




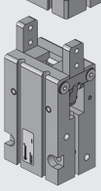




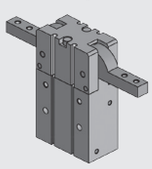




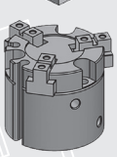
WGRV - Serisi Açılı Tutucular
WGRV - Series Angular Grippers



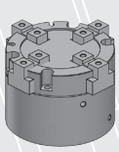
WGRP - Serisi Paralel Tutucular
WGRP - Series Paralel Grippers



WHFR - Serisi 180° Tutucular
WHFR - Series 180° Grippers



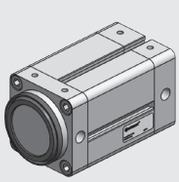
WFC3 - Serisi Tutucular
WFC3 - Series Grippers



WFC4 - Serisi Tutucular
WFC 4 - Series Grippers

TUTUCULAR
GRIPPERS

8



WMG - Serisi Manyetik Tutucular
WGM - Series Magnetic Grippers

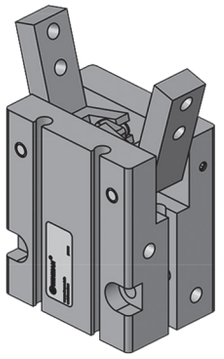


EV - Serisi Modül Silindirler
EV - Series Modul Cylinders

Hid-tek ölçü ve modellerde değişiklik yapma hakkına sahiptir.
Detaylı teknik bilgi için hid-tek ofisleri ile irtibata geçiniz.

Hid-tek has the right to make changes in dimensions and models
For detailed technical Contactation please contact hid-tek office.

WGRV - Açılı Tutucu / WGRV - Angular Gripper

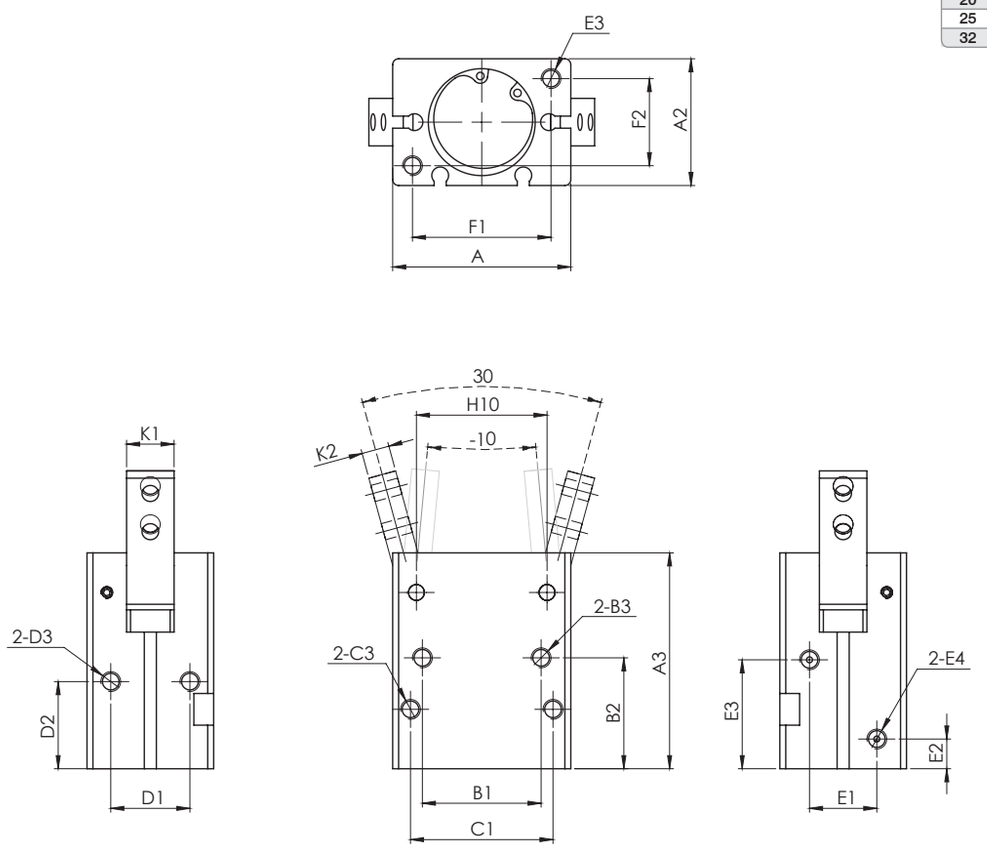


Özellikler / Specification

Piston Çapı / Bore Size	16	20	25	32
Çalışma Tipi / Acting Type	**Çift Etkili** / Double Acting			
Akışkan / Fluid	**Hava (40µm filtrelenmiş)** / Air (40µm filtered)			
Çalışma Basıncı / Op. Pressure	< 9 Bar			
Sıcaklık / Temperature	0 ~ +80 °C			
Manyetik / Magnetic	**Standart** / Standard			
Yastıklama Tipi / Cush. Type	-			
Hız / Speed Range	-			
Sensör / Sensör Switches	**WT-07**			

Teknik Çizim / Technical Drawing

Ø mm	**AĞIRLIK**/WEIGHT
16	100 gr
20	180 gr
25	220 gr
32	510 gr



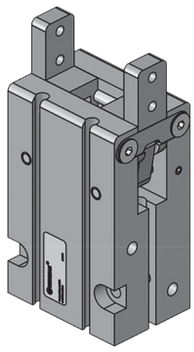
Ø mm	A1	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2	D3	E1	E2	E3	E4	F1	F2	F3	G	H	K1	K2	N1	N2	N3
16	34	22	48,5	24	25,5	M4	28	14	M4	14	21	M4	10,5	8	24	M5	26	14	M4	16	25	11	5	4	8	M3
20	45	26	54,5	30	28	M5	36	15	M5	16	22	M5	11	7,5	27,5	M5	35	16	M5	21	33	12	7	4	10	M5
25	45	32	54,5	30	28	M5	36	15	M5	20	22	M5	17	7,5	27,5	M5	35	22	M5	21	33	12	7	4	10	M5
32	60	40	68	44	38	M6	50	18	M6	26	30	M6	21	12	36	M5	46	26	M6	30	42	18	10	7	15	M6

Sipariş Kodu / Ordering Code

MODEL MODEL	ÇAP DIA
WGRV	**025**

AÇILI TUTUCU Angular Grippers	PİSTON ÇAPI (mm) Piston Dia

WGRP - Serisi Paralel Tutucular / WGRP - Series Paralel Gripper

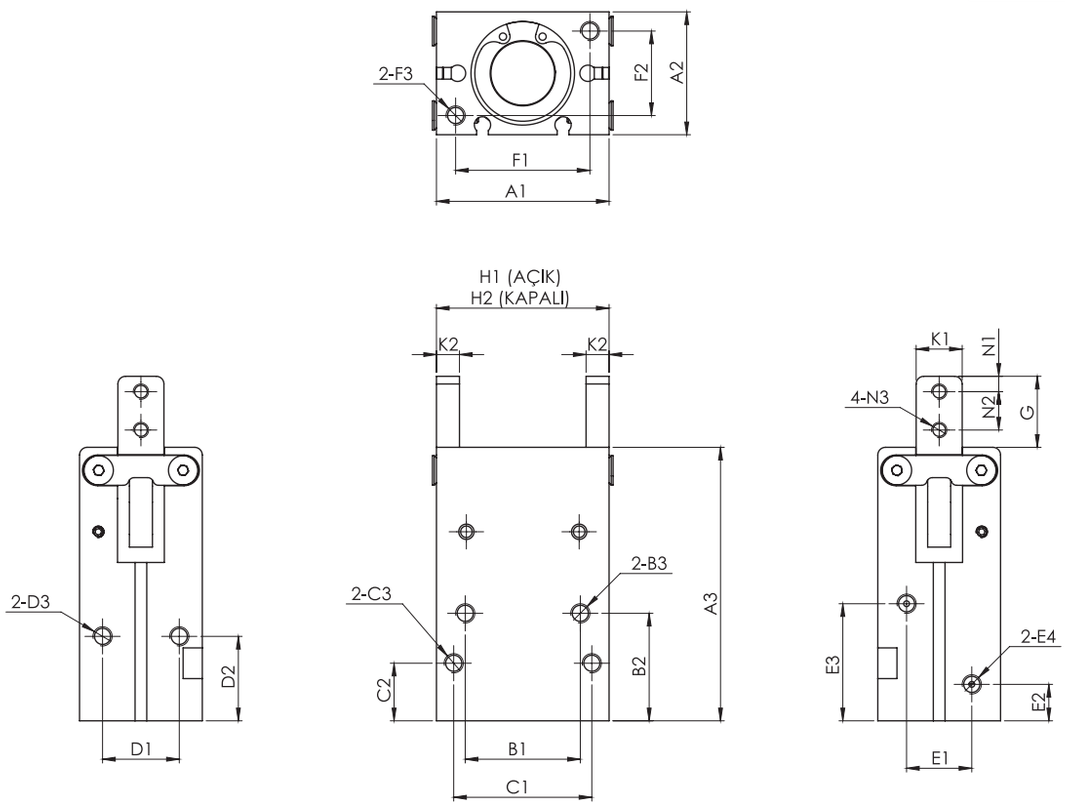


Özellikler / Specification

Piston Çapı / Bore Size	16	20	25	32
Çalışma Tipi / Acting Type	**Çift Etkili** / Double Acting			
Akışkan / Fluid	**Hava (40µm filtrelenmiş)** / Air (40µm filtered)			
Çalışma Basıncı / Op. Pressure	< 9 Bar			
Sıcaklık / Temperature	0 ~ +80 °C			
Manyetik / Magnetic	**Standart** / Standard			
Yastıklama Tipi / Cush. Type	-			
Hız / Speed Range	-			
Sensör / Sensör Switches	**WT-07**			

Teknik Çizim / Technical Drawing

Ø mm	**AĞIRLIK**/WEIGHT
16	140 gr
20	220 gr
25	300 gr
32	700 gr



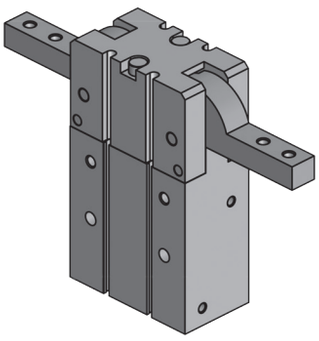
Ø mm	A1	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2	D3	E1	E2	E3	E4	F1	F2	F3	G	H1	H2	K1	K2	N1	N2	N3
16	34	22	58,5	24	25,5	M4	28	14	M4	14	21	M4	10,5	8,5	24	M5	26	14	M4	15	32.5	25	11	5	3	8	M3
20	45	26	71,5	30	28	M5	36	15	M5	16	22	M5	11	7,5	25,5	M5	35	16	M5	18,5	44	32	12	6	4	10	M4
25	45	32	71,5	30	28	M5	36	15	M5	20	22	M5	17	7,5	26	M5	35	22	M5	18,5	44	32	12	6	4	10	M4
32	60	40	90	44	38	M6	50	18	M6	26	30	M6	21	12	36,5	M5	46	26	M6	31	60	44	18	9	7	15	M6

Sipariş Kodu / Ordering Code

MODEL MODEL	**ÇAP** DIA
WGRP	**025**

PARALEL TUTUCU Paralel Grippers	**PİSTON ÇAPI (mm)** Piston Dia

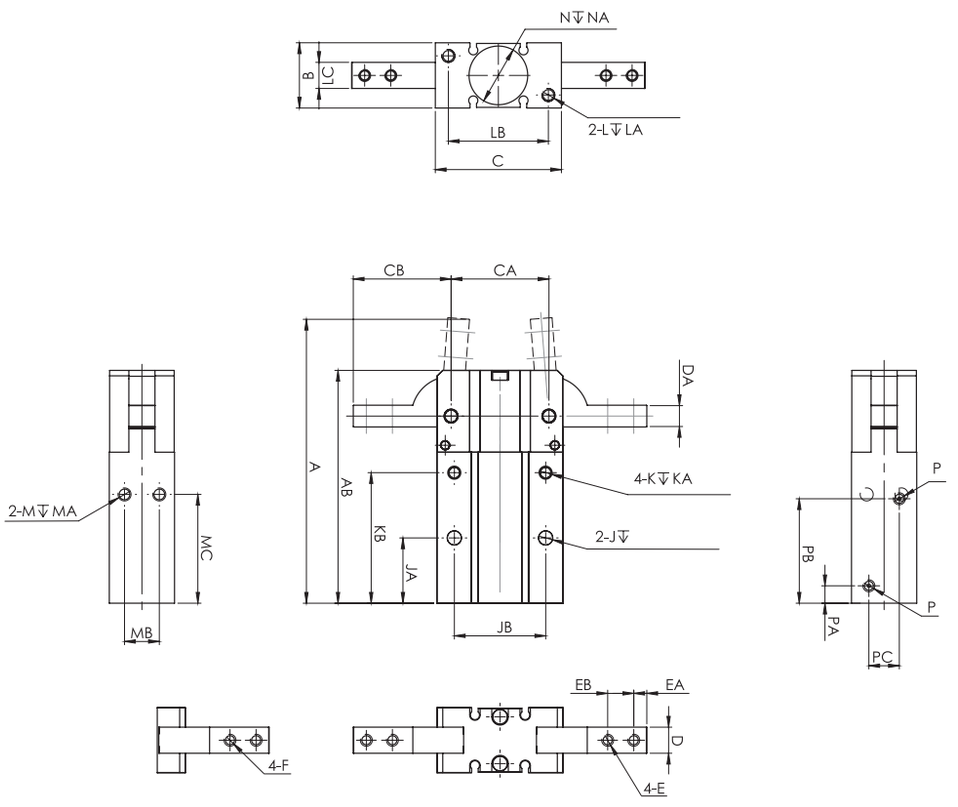
WHFR - Serisi 180° Tutucular / WHFR - Series 180° Grippers



Özellikler / Specification

Piston Çapı / Bore Size	10	16	20	25	32
Çalışma Tipi / Acting Type	**Çift Etkili** / Double Acting				
Akışkan / Fluid	**Hava (40µm filtrelenmiş)** / Air (40µm filtered)				
Çalışma Basıncı / Op. Pressure	1.5 ~ 7 Bar				
Sıcaklık / Temperature	0 ~ +70 °C				
Manyetik / Magnetic	**Standart** / Standard				
Yastıklama Tipi / Cush. Type	**Damper** / Bumper				
Hız / Speed Range	-				
Sensör / Sensör Switches	**WT-07**				

Teknik Çizim / Technical Drawing



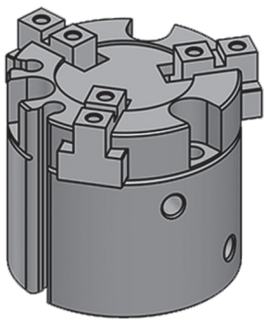
Ø mm	A	AB	B	C	CA	CB	D	DA	E	F	EA	EB	J	JA	JB	K	KA	KB	L	LA	LB	LC	M	MA	MB	MC	N	NA	P	PA	PB	PC
10	71	58	15	30	22	23,5	6	4	M3 x 0,5	Ø 3,3	3	6	Ø 3,3	18	24	M3 x 0,5	6	35	M3 x 0,5	6	24	9	M3 x 0,5	4	9	30	"Ø 11 $^{+0,05}$	1,5	M5 x 0,8	7	28,5	3
16	84	69	20	38	28	28,5	8	5	M3 x 0,5	Ø 3,3	4	7	Ø 4,5	20	30	M4 x 0,7	8	41	M4 x 0,7	8	30	12	M4 x 0,7	5	12	33	"Ø 17 $^{+0,05}$	1,5	M5 x 0,8	7	30,5	8
20	106	86	26	48	36	37	10	8	M4 x 0,7	Ø 4,5	5	9	Ø 5,5	25	36	M5 x 0,8	10	50	M5 x 0,8	10	38	16	M5 x 0,8	8	14	42	"Ø 21 $^{+0,05}$	1,5	M5 x 0,8	8	38,5	12
25	131	107	30	58	45	45	12	10	M5 x 0,8	Ø 5,5	6	12	Ø 6,5	30	42	M6 x 1,0	12	60	M6 x 1,0	12	46	18	M6 x 1,0	10	16	50	"Ø 26 $^{+0,05}$	1,5	M5 x 0,8	8	48	14
32	158,5	122	40	72	55	62,5	14	12	M6 x 1,0	Ø 6,5	9	16	Ø 6,5	35	46	M6 x 1,0	12	64	M6 x 1,0	14	46	26	M6 x 1,0	12	26	59	"Ø 34 $^{+0,05}$	2	M5 x 0,8	9	56	18

Sipariş Kodu / Ordering Code

MODEL MODEL	ÇAP DIA
WHFR	**025**

180° TUTUCU 180° Grippers	PİSTON ÇAPI (mm) Piston Dia

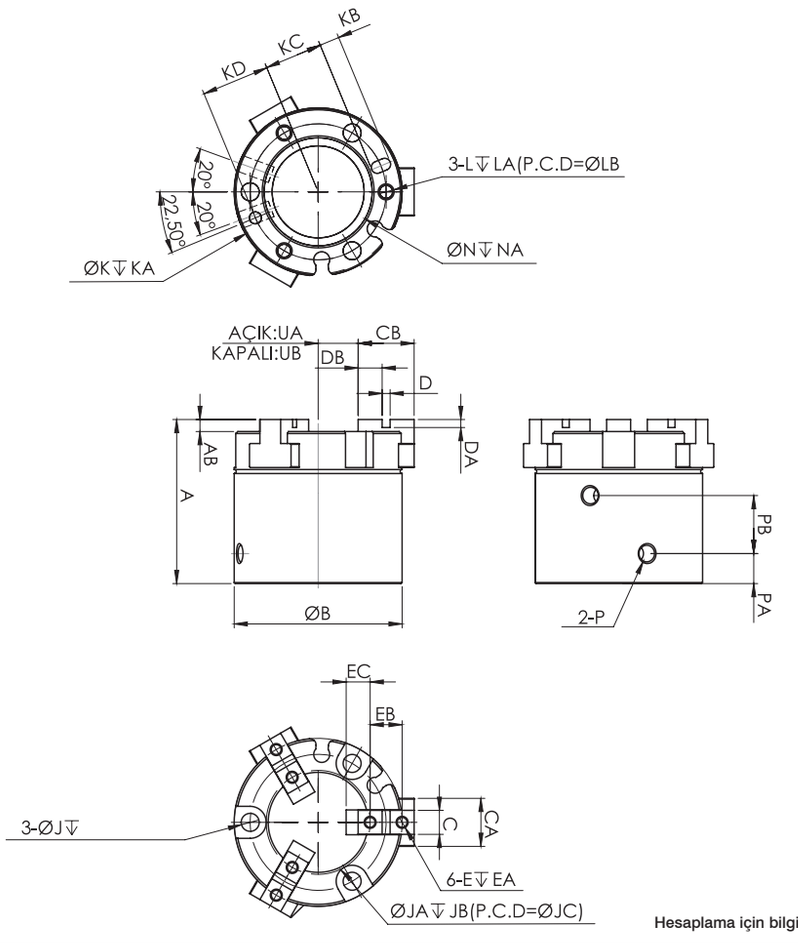
WFC3 - Serisi Tutucular / WFC3 - Series Grippers



Özellikler / Specification

Piston Çapı / Bore Size	16	20	25	32	40	50	63
Çalışma Tipi / Acting Type	**Çift Etkili** / Double Acting						
Akışkan / Fluid	**Hava (40µm filtrelenmiş)** / Air (40µm filtered						
Çalışma Basıncı / Op. Pressure	2 ~ 6 Bar			1.5 ~ 6 Bar			
Sıcaklık / Temperature	-10 ~ +60 °C						
Manetik / Magnetic	**Standart** / Standard						
Hız / Speed	-						
Sensör / Sensor Switches	WT-07						

Teknik Çizim / Technical Drawing



Hesaplama için bilgi alınız. / Contact us for calculation.

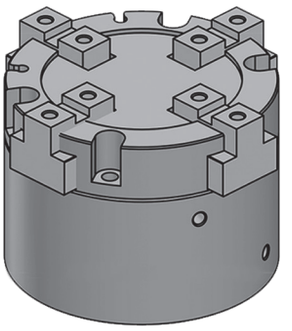
Ø mm	A	AB	B	C	CA	CB	D	DA	DB	E	EA	EB	EC	J	JA	JB	JC	K	KA	KB	KC	KD	L	LA	LB	N	NA	P	PA	PB	UA	UB
16	35	3	30	"5 -0,01 -0,03	8	10	"2 +0,04 +0,01	"2 +0,2 0	4	M3 x 0,5	5	6	2	3,4	6	6	25	"2 +0,04 +0,01	2	3	11	12,5	M3 x 0,5	6	25	"17 +0,05 0	1,5	M3 x 0,5	7	10	7	5
20	39	3	36	"6 -0,01 -0,03	10	12	"2 +0,04 +0,01	"2 +0,2 0	5	M3 x 0,5	5	7	2,5	3,4	6	6	29	"2 +0,04 +0,01	2	3	13	14,5	M3 x 0,5	6	29	"21 +0,05 0	1,5	M5 x 0,8	7	13	8	6
25	41	3	42	"6 -0,01 -0,03	12	14	"2 +0,04 +0,01	"2 +0,2 0	6	M3 x 0,5	5	8	3	4,5	8	9	34	"3 +0,04 +0,01	3	5	14,5	17	M4 x 0,7	8	34	"26 +0,05 0	1,5	M5 x 0,8	7,5	14,5	10	7
32	45	3	52	"8 -0,01 -0,03	14	20	"2 +0,04 +0,01	"2 +0,2 0	9	M4 x 0,7	8	11	4,5	4,5	8	9	44	"3 +0,04 +0,01	3	5	19,5	22	M4 x 0,7	8	44	"34 +0,05 0	2	M5 x 0,8	8,5	16	12	8
40	49	3	62	"8 -0,01 -0,03	16	21	"3 +0,04 +0,01	"2 +0,2 0	9	M4 x 0,7	8	12	4,5	5,5	9,5	9	53	"4 +0,04 +0,01	4	6	23,5	26,5	M5 x 0,8	10	53	"42 +0,05 0	2	M5 x 0,8	9,5	17,5	14	10
50	57	3	70	"10 -0,01 -0,03	18	24	"4 +0,04 +0,01	"2 +0,2 0	10	M5 x 0,8	9	14	5	5,5	9,5	12	62	"4 +0,04 +0,01	4	6	28	31	M5 x 0,8	10	62	"52 +0,05 0	2	M5 x 0,8	9,5	21	17	11
63	68	4	86	"12 -0,01 -0,03	24	28	"6 +0,04 +0,01	"3 +0,2 0	11	M5 x 0,8	9	17	5,5	6,6	11	14	76	"5 +0,04 +0,01	5	7	34,5	38	M6 x 1,0	12	76	"65 +0,05 0	2,5	M5 x 0,8	12	24	23	15

Sipariş Kodu / Ordering Code

MODEL MODEL	ÇAP DIA
WFC3	**025**

TUTUCU Grippers	PİSTON ÇAPI (mm) Piston Dia

WFC4 - Serisi Tutucular / WFC4 - Series Grippers

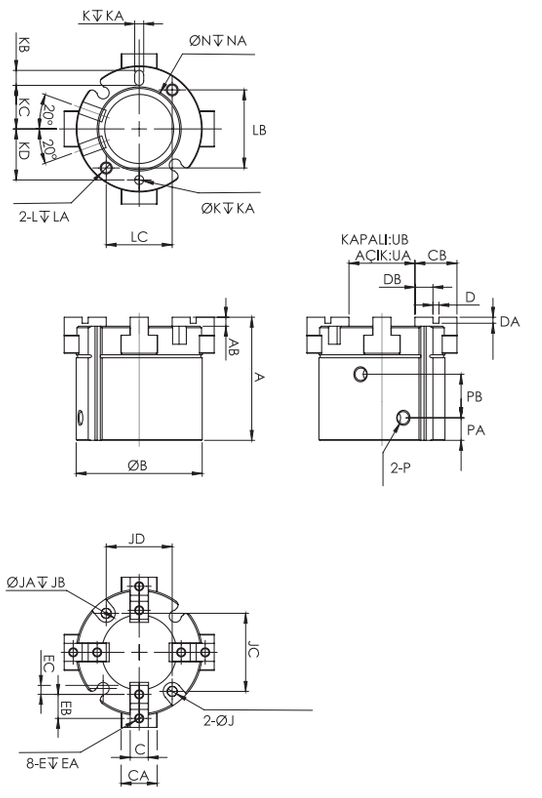


Özellikler / Specification

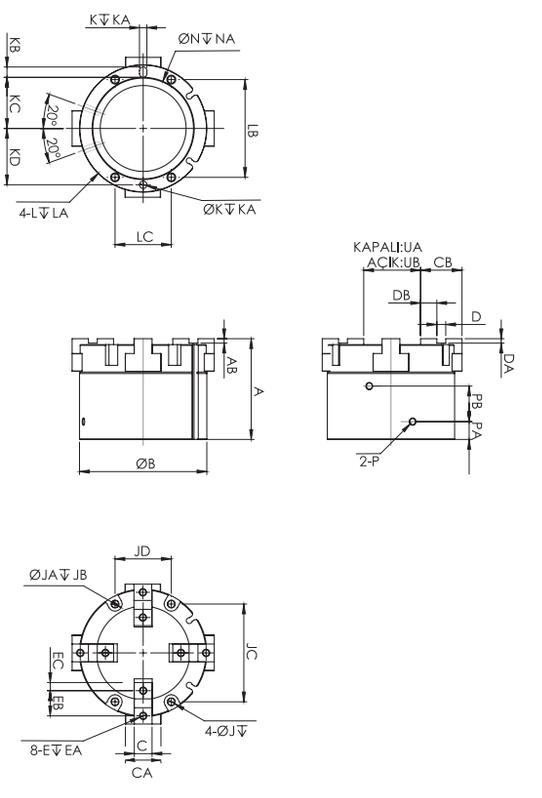
Piston Çapı / Bore Size	16	20	25	32	40	50	63
Çalışma Tipi / Acting Type	**Çift Etkili** / Double Acting						
Akışkan / Fluid	**Hava (40µm filtrelenmiş)** / Air (40µm filtered						
Çalışma Basıncı / Op. Pressure	2 ~ 6 Bar			1.5 ~ 6 Bar			
Sıcaklık / Temperature	-10 ~ +60 °C						
Manetik / Magnetic	**Standart** / Standard						
Hız / Speed	-						
Sensör / Sensor Switches	WT-07						

Teknik Çizim / Technical Drawing

WFC4.016/025



WFC4.032/063



Hesaplama için bilgi alınız. / Contact us for calculation.

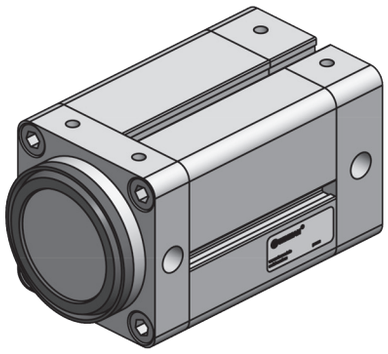
Ø mm	A	AB	B	C	CA	CB	D	DA	DB	E	EA	EB	EC	J	JA	JB	JC	JD	K	KA	KB	KC	KD	L	LA	LB	LC	N	NA	P	PA	PB	UA	UB
6	35	3	30	"5 -0,01 -0,03"	8	10	"2 +0,04 +0,01"	"2 +0,2 0"	4	M3 x 0,5	5	6	2	3,4	6	6	18	16	"2 +0,04 +0,01"	2	3	11	12,5	M4 x 0,7	8	18	16	"17 +0,05 0"	1,5	M3 x 0,5	7	10	17	13
20	39	3	36	"6 -0,01 -0,03"	10	12	"2 +0,04 +0,01"	"2 +0,2 0"	5	M3 x 0,5	5	7	2,5	3,4	6	6	24	18	"2 +0,04 +0,01"	2	3	13	14,5	M4 x 0,7	8	24	18	"21 +0,05 0"	1,5	M5 x 0,8	7	13	19	15
25	41	3	42	"6 -0,01 -0,03"	12	14	"2 +0,04 +0,01"	"2 +0,2 0"	6	M3 x 0,5	5	8	3	3,4	6	6	26	22	"3 +0,04 +0,01"	3	5	14,5	17	M4 x 0,7	8	26	22	"26 +0,05 0"	1,5	M5 x 0,8	7,5	14,5	26	20
32	45	3	55	"8 -0,01 -0,03"	14	20	"2 +0,04 +0,01"	"2 +0,2 0"	9	M4 x 0,7	8	11	4,5	4,2	8	9	38	25	"3 +0,04 +0,01"	3	5	20,5	23	M5 x 0,8	10	38	25	"34 +0,05 0"	2	M5 x 0,8	8,5	16	28	20
40	49	3	62	"8 -0,01 -0,03"	16	21	"3 +0,04 +0,01"	"2 +0,2 0"	9	M4 x 0,7	8	12	4,5	5,2	9,5	9	44	28	"4 +0,04 +0,01"	4	6	23,5	26,5	M6 x 1,0	12	44	28	"42 +0,05 0"	2	M5 x 0,8	9,5	17,5	32	24
50	57	3	70	"10 -0,01 -0,03"	18	24	"4 +0,04 +0,01"	"2 +0,2 0"	10	M5 x 0,8	9	14	5	5,2	9,5	12	52	34	"4 +0,04 +0,01"	4	6	28	31	M6 x 1,0	12	52	34	"52 +0,05 0"	2	M5 x 0,8	9,5	21	38	26
63	68	4	86	"12 -0,01 -0,03"	24	28	"6 +0,04 +0,01"	"3 +0,2 0"	11	M5 x 0,8	9	17	5,5	5,2	9,5	14	66	38	"5 +0,04 +0,01"	5	7	34,5	38	M6 x 1,0	12	66	38	"65 +0,05 0"	2,5	M5 x 0,8	12	24	51	35

Sipariş Kodu / Ordering Code

MODEL MODEL	ÇAP DIA
WFC4	**025**

TUTUCU Grippers	PİSTON ÇAPI (mm) Piston Dia

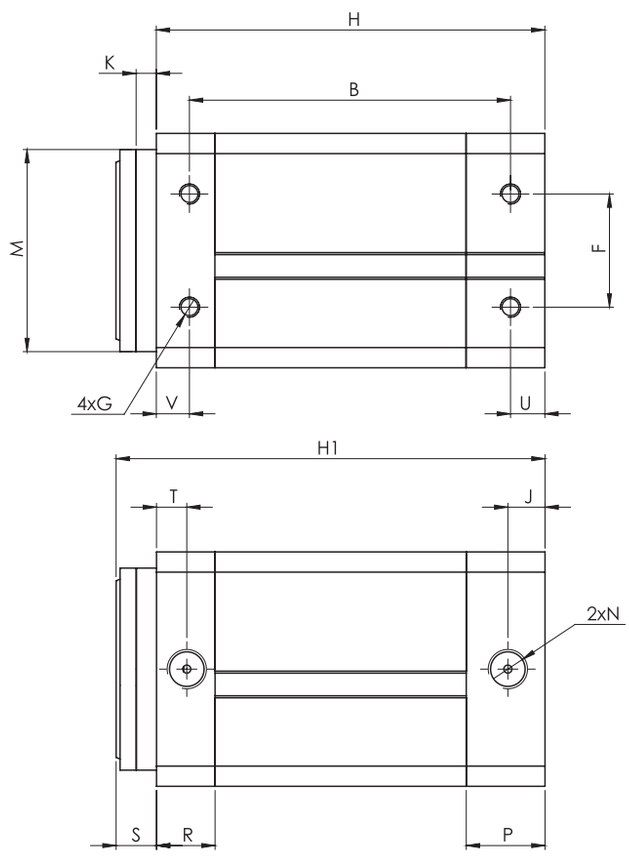
WMG - Serisi Manyetik Tutucular / WMG - Series Magnetic Grippers



Özellikler / Specification

Piston Çapı / Bore Size	25	32	40	50
Çalışma Tipi / Acting Type	Çift Etkili / Double Acting			
Akışkan / Fluid	Hava (40µm filtrelenmiş) / Air (40µm filtered)			
Çalışma Basıncı / Op. Pressure	< 9 Bar			
Sıcaklık / Temperature	0 ~ +80 °C			
Manyetik / Magnetic	Opsiyonel / Optional			
Yastıklama Tipi / Cush. Type	-			
Hız / Speed Range	-			
Sensör / Sensör Switches	WT-40			

Teknik Çizim / Technical Drawing



Ø mm	AĞIRLIK/WEIGHT
25	340 gr
32	540 gr
40	720 gr
50	1120 gr

Manyetik sensörlü opsiyonu için bilgi alınız. / Contact for magnetic sensor option.

Ø mm	A	B	C	D	E	F	G	H	J	K	M	N	P	R	S	T	U	V	H1
25	40	62	16	30	M4 x 8	16	M4 x 6	77.5	7.5	4	40	G 1/8''	15	14.5	8.5	7	8	7.5	86
32	50	66.5	20	33	M4 x 8	23	M4 x 8	82	7.5	2	50	G 1/8''	15	17	7	9	7.5	8	89
40	58	64.5	26	44	M6 x 12	28	M5 x 10	81.5	9.0	5	50	G 1/8''	19.5	14.5	10	7.5	8.5	8	91.5
50	63	73	30	50	M6 x 12	34	M5 x 10	90	10	5.5	63	G 1/8''	20	16	10.5	7.5	10	7	101

Sipariş Kodu / Ordering Code

MODEL MODEL	MANYETİK MAGNETIC	ÇAP DIA
WMG	**M**	**025**

MANYETİK TUTUCU Magnetic Gripper	BOŞ :MANYETİKSİZ Blank :Without Magnet M :MANYETİK M :With Magnet	PİSTON ÇAPI (mm) Piston Dia

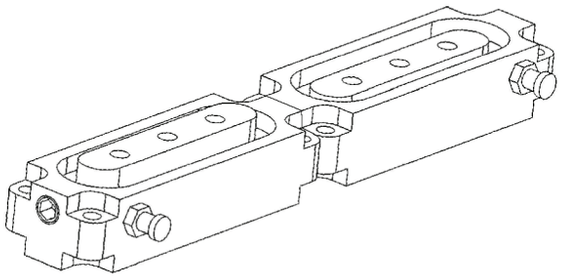
EV - Serisi Modül Silindirler / EV - Series Modul Cylinders

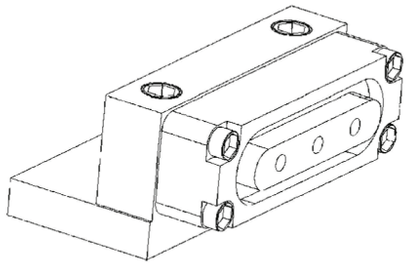


Özellikler / Specification

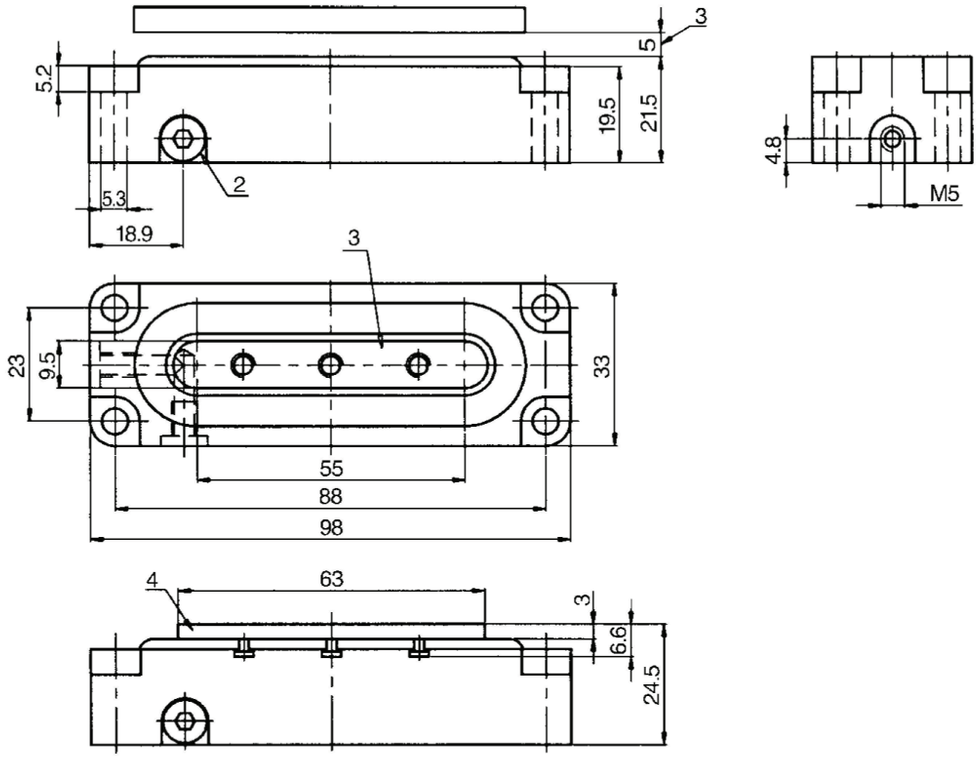
Piston Çapı / Bore Size	**EV-20/75-5**
Çalışma Tipi / Acting Type	**Tek Etkili** / Single Acting
Akışkan / Fluid	**Hava (40µm filtrelenmiş)** / Air (40µm filtered
Çalışma Basıncı / Op. Pressure	5 Bar
Sıcaklık / Temperature	-10 ~ +40 °C
Manetik / Magnetic	-
Hız / Speed	-
Sensör / Sensor Switches	-

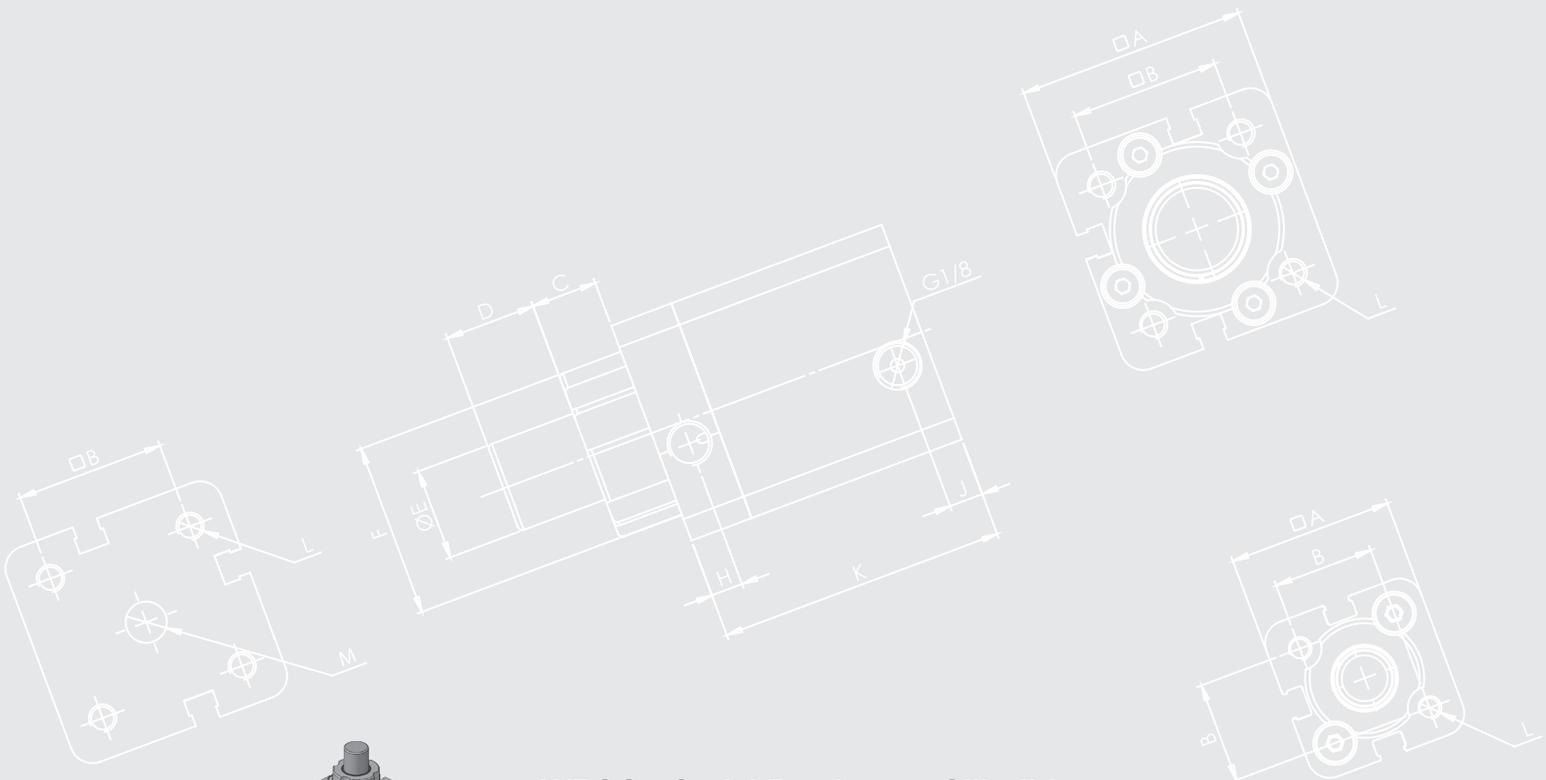
Montaj / Assembly

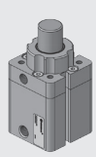




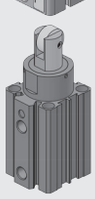
Teknik Çizim / Technical Drawing



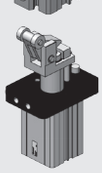




WPSC - Serisi Durdurucu Silindirler
WPSC - Series Stopper Cylinders



WTQ - Serisi Durdurucu Silindirler
WTQ - Series Stopper Cylinders



WWH - Serisi Durdurucu Silindirler
WWH - Series Stopper Cylinders

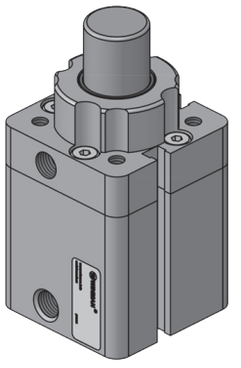
DURDURUCU SİLİNDİRLER
STOPPER CYLINDERS

9

Hid-tek ölçü ve modellerde değişiklik yapma hakkına sahiptir.
Detaylı teknik bilgi için hid-tek ofisleri ile irtibata geçiniz.

Hid-tek has the right to make changes in dimensions and models
For detailed technical Contactation please contact hid-tek office.

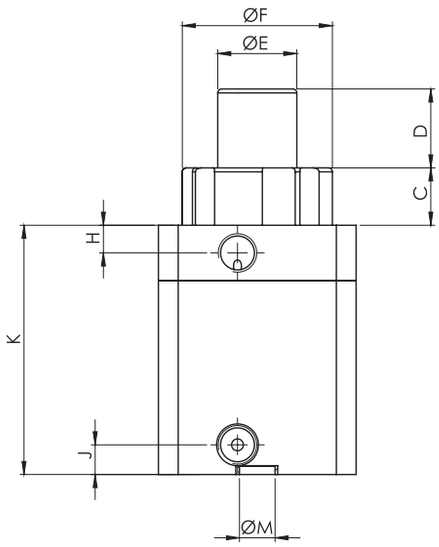
WPSC - Serisi Durdurucu Silindirler / WPSC - Series Stopper Cylinders



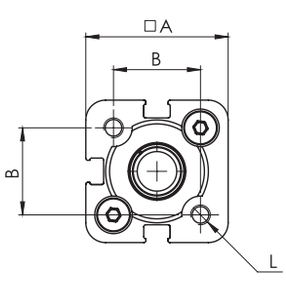
Özellikler / Specification

Piston Çapı / Bore Size	20	32	50
Çalışma Tipi / Acting Type	**Çift Etkili** / Double Acting		
Akışkan / Fluid	**Hava (40µm filtrelenmiş)** / Air (40µm filtered)		
Çalışma Basıncı / Op. Pressure	< 10 Bar		
Sıcaklık / Temperature	0 ~ +80 °C		
Manyetik / Magnetic	**Standart** / Standard		
Yastıklama Tipi / Cush. Type	**Damper** / Bumper		
Hız / Speed Range	< 500 mm/s		
Sensör / Sensör Switches	**WT-40**		

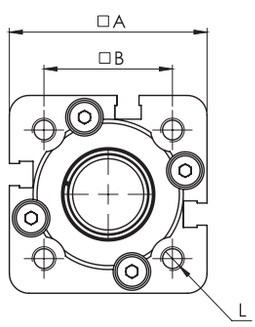
Teknik Çizim / Technical Drawing



WPSC.020



WPSC.032/050



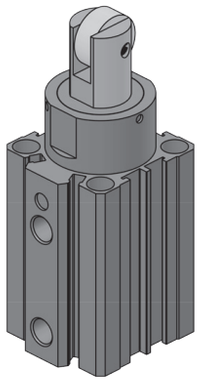
Ø mm	A	B	C	D Strok	E Ø	F Ø	G	H	J	K	L	M Ø
20	36.0	22.0	9.5	15.0	12.0	26.0	M5	7.5	7.5	55.0	M5ı10	6ı2
32	50.0	32.5	14.5	20.0	20.0	38.0	M5	7.0	8.0	65.0	M6ı12	9ı3
50	70.0	46.5	24.0	30.0	30.0	52.0	G1/8	8.0	8.0	77.0	M8ı16	12ı3

Sipariş Kodu / Ordering Code

MODEL MODEL	ÇAP DİA
WPSC	**032**

DURDURUCU SİLİNDİR Stopper Cylinder	PİSTON ÇAPI (mm) Piston Dia

WTQ - Serisi Durdurucu Silindirler / WTQ - Series Stopper Gripper

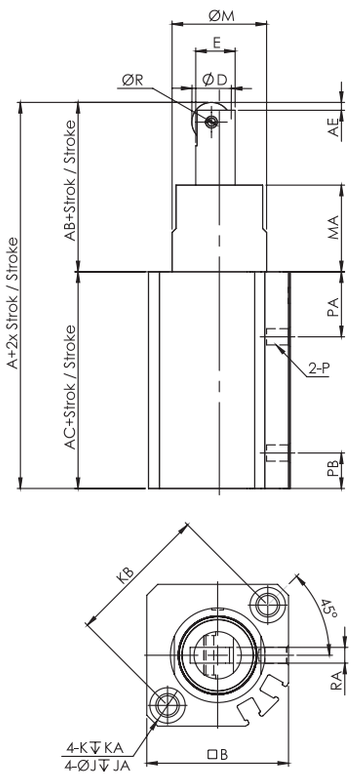


Özellikler / Specification

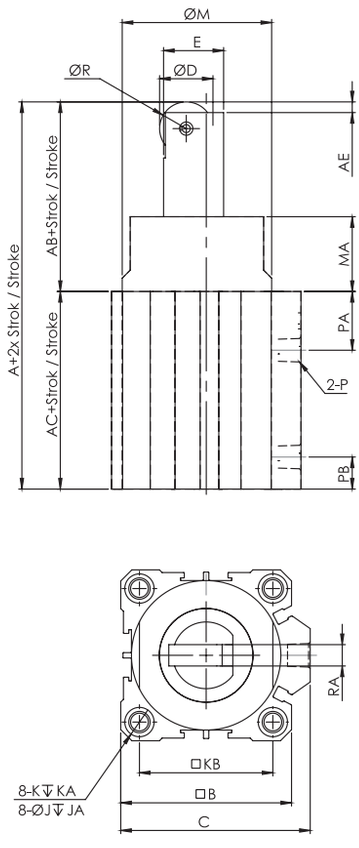
Piston Çapı / Bore Size	**20**	**25**	**32**	**40**	**50**
Çalışma Tipi / Acting Type	**Tek Etkili** / Single Acting				
Akışkan / Fluid	**Hava (40µm filtrelenmiş)** / Air (40µm filtered				
"Çalışma Basıncı / Op. Pressure"	2.5 ~10 Bar				
Sıcaklık / Temperature	-20 ~ +80 °C				
Yastıklama Tipi / Cushion Type	**Damper** / Bumper				
Manyetik / Magnetic	**Standart** / Standard				
Durdurucu Tipi / Stopper Type	**Yuvarlak Mil, Düz Mil / Rulman** Round Rod, Flat Rod / Roller		**Yuvarlak Mil, Düz Mil / Rulman, Şok Sönümleyici** Round Rod, Flat Rod / Roller, Shockless Stopper (With Absorber)		
Sensörler / Sensors	**WT-06/WT-11**				

Teknik Çizim / Technical Drawing

WTQ.020/025



WTQ.032/050



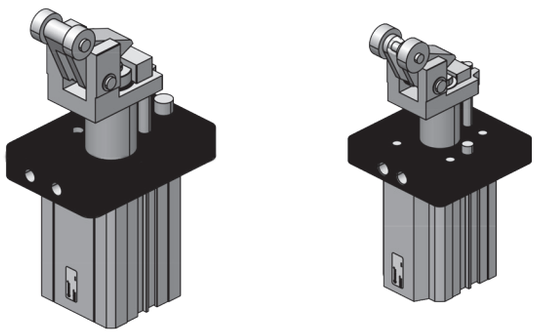
Ø mm	A	AB	AC	AE	B	C	D	E	J	JA	K	KA	KB	M	MA	P	PA	PB	R	RA
20	78	33	45	2	36		12	10	9	7	M6 x 1,0	10	36	24	22	M5 x 0,8	16,5	9	10	4
25	81	33	48	2	40		16	14	9	7	M6 x 1,0	10	40	30	20	M5 x 0,8	18	9	12	6
32	87	39	48	3	45	49,5	20	18,5	9	7	M6 x 1,0	10	34	36	20	1/8''	20	10	20	8
40	103,5	51	52,5	4	53	57	25	22,5	9	7	M6 x 1,0	10	40	44	28	1/8''	20	11	20	8
50	105	51	54	4	64	71	25	22,5	11	8	M8 x 1,25	14	50	56	28	1/8''	22	12	20	8

Sipariş Kodu / Ordering Code

MODEL MODEL	ÇAP DIA
WTQ	**025**

DURDURUCU SİLİNDİRLER Stopper Cylinders	PİSTON ÇAPI (mm) Piston Dia

WWH - Serisi Durdurucu Silindirler / WWH - Series Stopper Cylinders

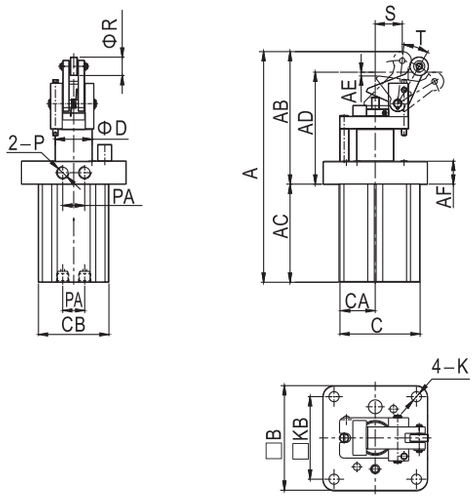


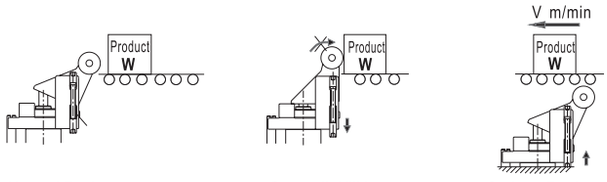
Özellikler / Specification

Piston Çapı / Bore Size	20	25	32	40	50	63	80
Çalışma Tipi / Acting Type	**Çift Etkili** / Double Acting			**Tek Etkili** / Single Acting			
Akışkan / Fluid	**Hava (40µm filtrelenmiş)** / Air (40µm filtered						
"Çalışma Basıncı Op. Pressure" — **Çift Etkili** / Double Acting	1.5 ~ 10 Bar						
"Çalışma Basıncı Op. Pressure" — **Tek Etkili** / Single Acting	2.5 ~10 Bar						
Sıcaklık / Temperature	-20 ~ +80 °C						
Yastıklama Tipi / Cushion Type	**Damper** / Bumper						
Durdurucu Tipi / Stopper Type	**Ayarlanamaz Şok Sönümleyici** Non Adjustable Shock Absorber			**Ayarlanabilir Şok Sönümleyici** Adjustable Shock Absorber			
Sensörler / Sensors	**WT-11**						

Teknik Çizim / Technical Drawing

WWH.020/025



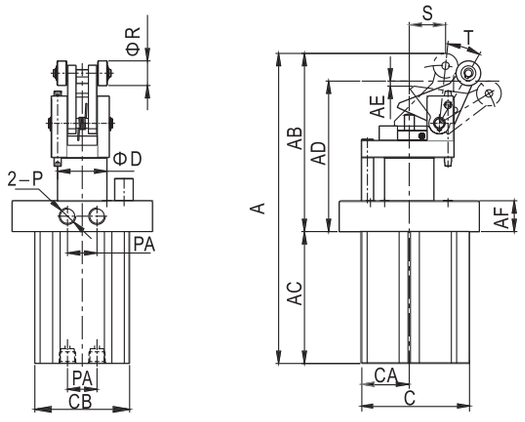


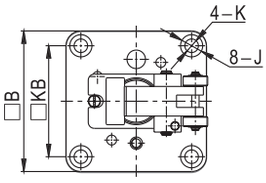
Normal Pozisyon
Normal Position

Otomatik Kilitleme
Auto Locking

Serbest Bırakma
Releasing

WWH.032/080



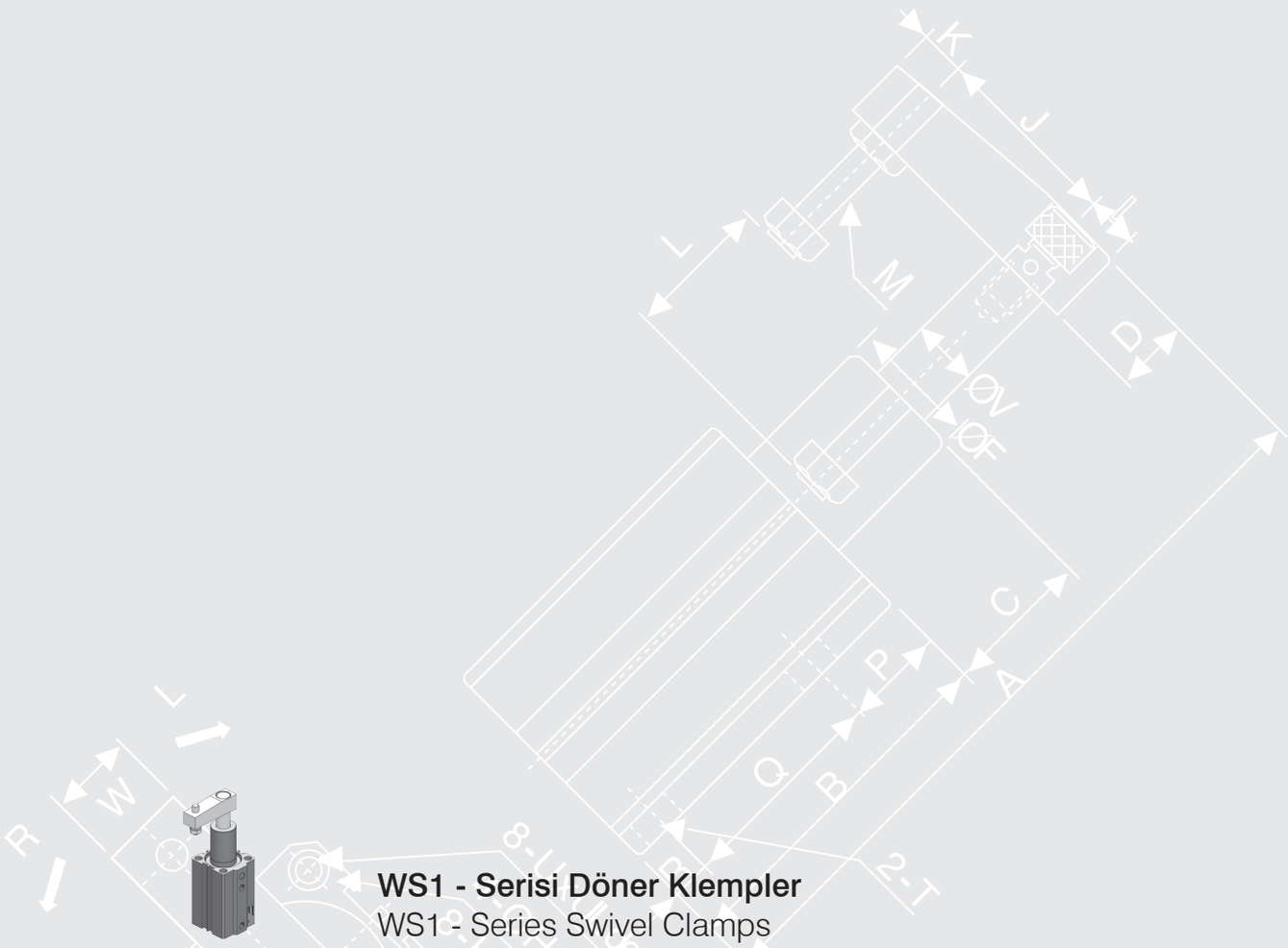


Ø mm	A	AB	AC	AD	AE	AF	B	C	CA	CB	D	J	K	KB	P	PA	R	S	T
20	129	74	55	60	2,5	8	48	40	18	36	16	-	4,5	40	M5 x 0,8	12	12	16	28
25	135,5	78	57,5	64	2,5	12	58	45	20	40	16	-	6,5	47	M5 x 0,8	16	12	16	28
32	152,5	87	65,5	73,5	1,5	16	67	51,5	23	46	20	11	6,5	53	1/8''	16	12	18,5	28
40	191	112	79	92,5	3,5	16	82	62	26,5	53	25	11	6,5	65	1/8''	16	20	21	26
50	211	128	83	107,5	2	20	93	72	32	64	32	14	9	73	1/8''	18	20	26	24
63	245,5	144,5	101	122	3,5	25	114	87,5	38,5	77	40	18	11	90	1/4''	24	20	30	24
80	299,5	171,5	128	145,5	3,5	25	138	109	49	98	50	20	13	110	1/4''	30	25	37	23

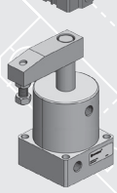
Sipariş Kodu / Ordering Code

MODEL MODEL	ÇAP DIA
WWH	**040**

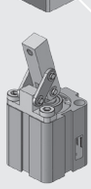
DURDURUCU SİLİNDİR Stopper Cylinder	PİSTON ÇAPI (mm) Piston Dia



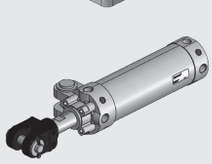
WS1 - Serisi Döner Klempler
WS1 - Series Swivel Clamps



WCK - Serisi Döner Klempler
WCK - Series Swivel Clamps



WS4 - Serisi Düz Klempler
WS4 - Series Lever Clamps



FGBH - Serisi Klemp Silindirler
FGBH - Series Clamp Cylinders

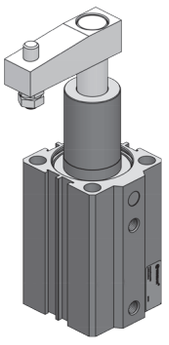
DÖNER KLEMPLER
SWIVEL CLAMPS

10

Hid-tek ölçü ve modellerde değişiklik yapma hakkına sahiptir.
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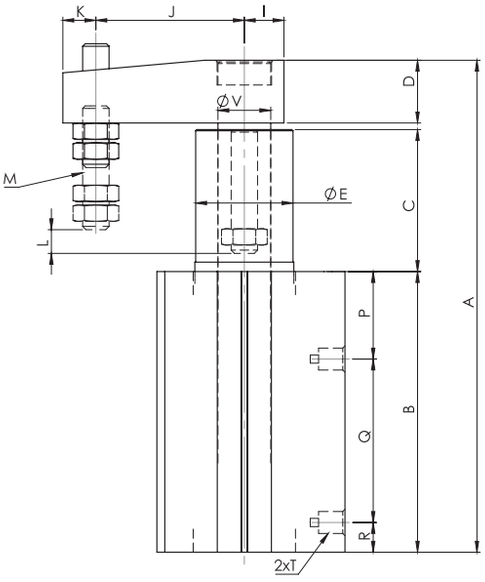
WS1 - Serisi Döner Klempler / WS1 - Serisi Body Swivel Clamps

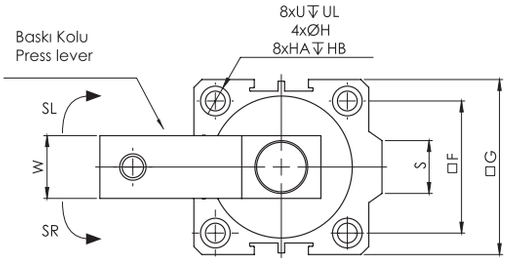


Özellikler / Specification

Piston Çapı / Bore Size	20	25	32	40	50	63
Çalışma Tipi / Acting Type	**Çift Etkili** / Double Acting					
Akışkan / Fluid	**Hava (40µm filtrelenmiş)** / Air (40µm filtered)					
Çalışma Basıncı / Op. Pressure	< 10 Bar					
Sıcaklık / Temperature	0 ~ +80 °C					
Manyetik / Magnetic	**Standart** / Standard					
Yastıklama Tipi / Cush. Type	**Damper** / Bumper					
Hız / Speed Range	< 200 mm/s					
Sensör / Sensör Switches	**WT-11**					

Teknik Çizim / Technical Drawing





Baskı kolu ve J ölçüsü uzaması durumunda silindirde deformasyonlar ve hava kaçakları oluşabilir.

If press lever and J dimension is changed, cylinder is can demaged and air leaked.

*** Hesaplama için bilgi alınız.**
* Contact us for calculation

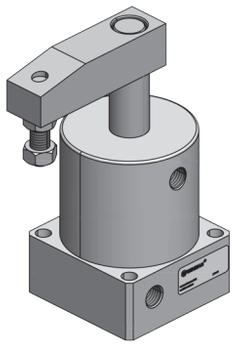
Ø	A	B	C	D	E	S	G	H	HA	HB	I	J	K	L	M	P	Q	R	V	T	U	UL	W
20	156	82	26	14	16	24	34	3,5	6	7	9	35	7	29,5	M6X1,0	32	41,5	8,5	10	M5X0,8	M5X0,8	7	16
25	157	83	26	14	18	28	40	4,6	8	7	9	35	7	29,5	M6X1,0	31	43,5	8,5	10	M5X0,8	M6X1,0	9	16
32	187	84	44	18	25	34	44	4,6	8	7	12	45	10	35	M8X1,25	24	50	10	16	G1/8	M6X1,0	9	18
40	187	85	44	18	30	40	52	5,7	9,5	7	12	45	10	35	M8X1,25	24	51	10	16	G1/8	M8X1,25	12	20
50	215	97	50	22	37	48	62	6,8	11	8	13	65	10	40	M10X1,5	29,5	56	11	20	G1/4	M8X1,25	12	22
63	217	100	50	22	48	60	75	6,8	11	10.5	13	65	10	40	M10X1,5	30	58	12	20	G1/4	M8X1,25	12	22

Sipariş Kodu / Ordering Code

MODEL MODEL	DÖNÜŞ YÖNÜ SWIVEL ROTATION	ÇAP DIA	DÖNME AÇISI SWIVEL ANGLE
WS1	**SR**	**025**	**180**

DÖNER KLAMP Swivel Clamp	SR - SAĞ DÖNÜŞ SR - Swivel Right SL - SOL DÖNÜŞ SL - Swivel Left	PİSTON ÇAPI (mm) Piston Dia	

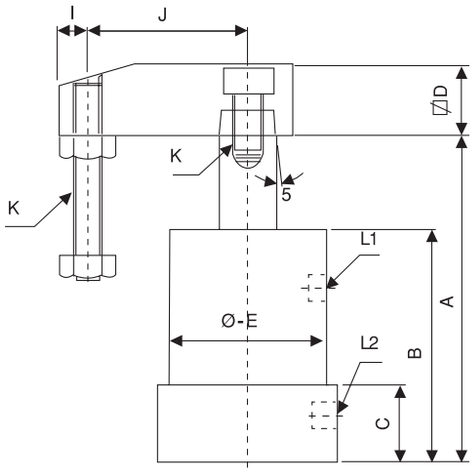
WCK - Serisi Döner Klempler / WCK - Serisi Swivel Clamps

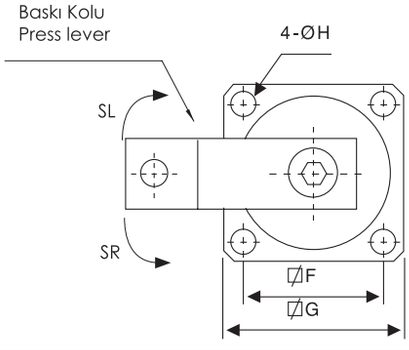


Özellikler / Specification

Piston Çapı / Bore Size	25	32	40	50	63
Çalışma Tipi / Acting Type	Çift Etkili / Double Acting				
Akışkan / Fluid	Hava (40µm filtrelenmiş) / Air (40µm filtered)				
Çalışma Basıncı / Op. Pressure	< 10 Bar				
Sıcaklık / Temperature	0 ~ +80 °C				
Manyetik / Magnetic	Standart / Standard				
Yastıklama Tipi / Cush. Type	Damper / Bumper				
Hız / Speed Range	< 200 mm/s				

Teknik Çizim / Technical Drawing





Baskı kolu ve J ölçüsü uzaması durumunda silindirde deformasyonlar ve hava kaçakları oluşabilir.

If press lever and J dimension is changed, cylinder is can demaged and air leaked.

*** Hesaplama için bilgi alınız.**
* Contact us for calculation

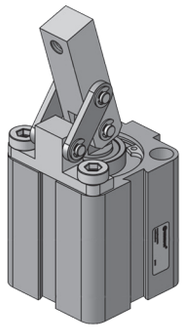
Ø	A	B	C	D	E	F	G	H	I	J	K	L1/L2	M
25	95	65	23	16	35	33	40	4.5	8	30	M6X1.0	M5X0.8	6
32	102	73	23	19	50	44	54	6.5	9	50	M8X1.25	G 1/8	8
40	106	74	26	19	55	48	58	6.5	9	50	M8X1.25	G 1/8	8
50	113	80	26	25.5	60	55	68	8.5	10	70	M10X1.5	G 1/8	8
63	119	86	30	25.5	70	64	82	8.5	10	70	M10X1.5	G 1/8	8

Sipariş Kodu / Ordering Code

MODEL MODEL	DÖNÜŞ YÖNÜ SWIVEL ROTATION	ÇAP DİA	DÖNME AÇISI SWIVEL ANGLE
WCK	**SR**	**025**	**180**

DÖNER KLAMP Swivel Clamp	SR - SAĞ DÖNÜŞ SR - Swivel Right SL - SOL DÖNÜŞ SL - Swivel Left	PİSTON ÇAPI (mm) Piston Dia	

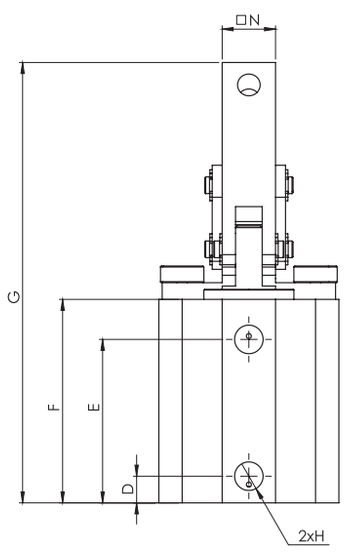
WS4 - Serisi Düz Klempler / WS4 - Series Lever Clamps

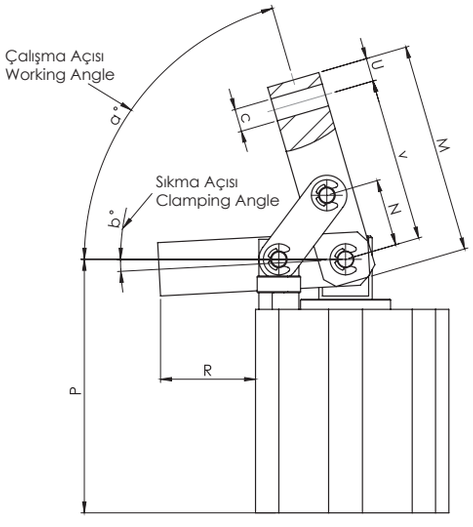


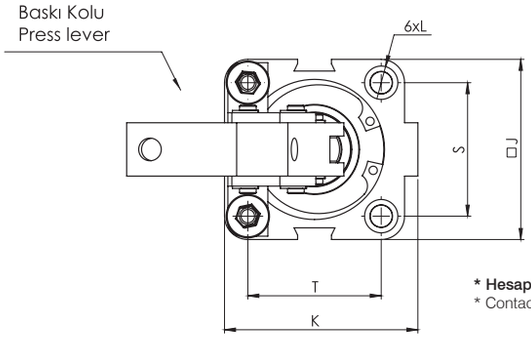
Özellikler / Specification

Piston Çapı / Bore Size	25	32	40	50	63
Çalışma Tipi / Acting Type	**Çift Etkili** / Double Acting				
Akışkan / Fluid	**Hava (40µm filtrelenmiş)** / Air (40µm filtered)				
Çalışma Basıncı / Op. Pressure	< 10 Bar				
Sıcaklık / Temperature	0 ~ +80 °C				
Manyetik / Magnetic	**Standart** / Standard				
Yastıklama Tipi / Cush. Type	**Damper** / Bumper				
Hız / Speed Range	< 200 mm/s				
Sensör / Sensör Switches	**WT-47**				

Teknik Çizim / Technical Drawing







Baskı kolu ve V ölçüsü uzaması durumunda silindirde deformasyonlar ve hava kaçakları oluşabilir.

If press lever and V dimension is changed, cylinder is can demaged and air leaked.

*** Hesaplama için bilgi alınız.**
* Contact us for calculation

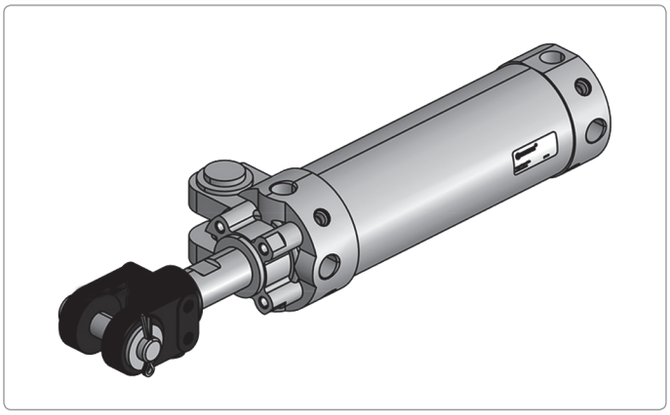
Ø	a° ±3°	b° ±3°	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	U	Y	Z
25	81,0	4,0	M6	4	41	51,0	114	M5	40	45,0	Ø8Ĭ6 / M6Ĭ12	57	13	61	32,9	28	28	5	34	14
32	74,3	1,2	M8	6	43	54,5	125	G1/8	46	49,5	Ø10Ĭ6 / M6Ĭ12	60	16	71	31,8	34	34	7	30	17
40	73,7	2,9	M8	8	49	61,0	132	G1/8	54	58,0	Ø10Ĭ6 / M8Ĭ12	63	16	76	29,5	40	40	7	29	20
50	65,6	9,6	M10	8	56	68,0	149	G1/4	65	71,0	Ø11Ĭ7 / M8Ĭ16	70	22	88	26,8	48	48	8	30	24
63	67,3	2,8	M10	7	64	51,0	158	G1/4	79	85,0	Ø14Ĭ9 / M10Ĭ16	70	22	96	23,0	60	60	3	24	30

Sipariş Kodu / Ordering Code

MODEL MODEL	ÇAP DIA
WS4	**032**

DÜZ KLAMP Lever Clamp	PİSTON ÇAPI (mm) Piston Dia

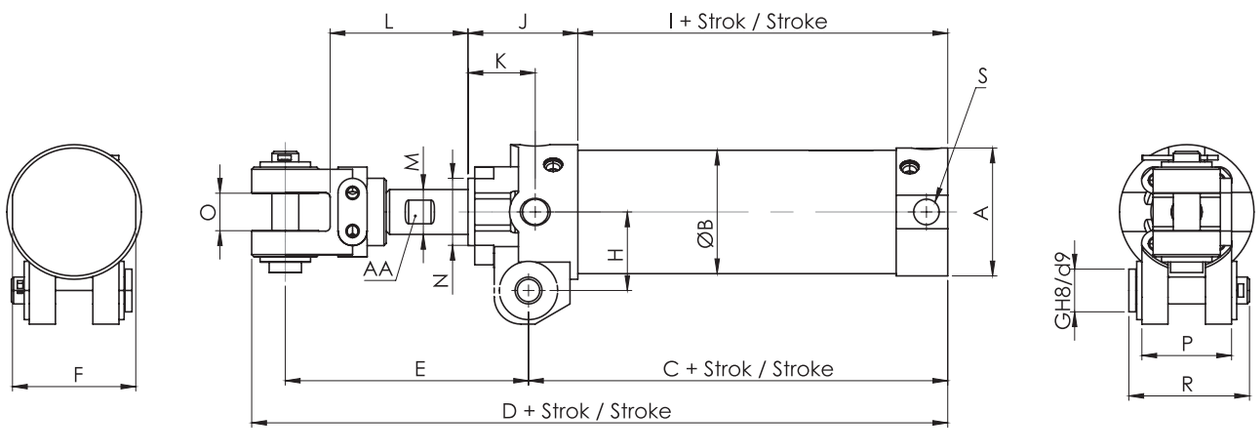
FGBH - Serisi Klemp Silindirler / FGBH - Series Clamp Cylinders



Özellikler / Specification

Piston Çapı / Bore Size	40	50	63	80
Çalışma Tipi / Acting Type	**Çift Etkili** / Double Acting			
Akışkan / Fluid	**Hava (40µm filtrelenmiş)** / Air (40µm filtered)			
Çalışma Basıncı / Op. Pressure	< 10 Bar			
Sıcaklık / Temperature	0 ~ +60 °C			
Manyetik / Magnetic	-			
Yastıklama Tipi / Cush. Type	**Ayarlı Yastıklama** / Adjustable Cushinoed			
Hız / Speed Range	<500 mm/s			
Sensör / Sensör Switches	-			

Teknik Çizim / Technical Drawing



Ø mm	A Ø	B Ø	C	D	E	F	G	H	I	J	K	L	M Ø	N Ø	O 0 - +5	P	R	S	AA
40	52	45	94	206	97	42	12	35	72	49	30	50	20	30	16.5	40	46	G1/4	17
50	60	55	94	206	97	51.5	12	35	72	49	30	50	20	30	16.5	40	46	G1/4	17
63	74	72	94	206	97	68.5	12	35	72	49	30	50	20	30	16.5	40	46	G1/4	17
80	87	84	120	249	110	83.5	18	50	85	58.5	38.5	58.5	25	35	28.5	55	66	G3/8	22

Sipariş Kodu / Ordering Code

MODEL MODEL	ÇAP DIA	STROK STROKE
FGBH	**040**	**0050**

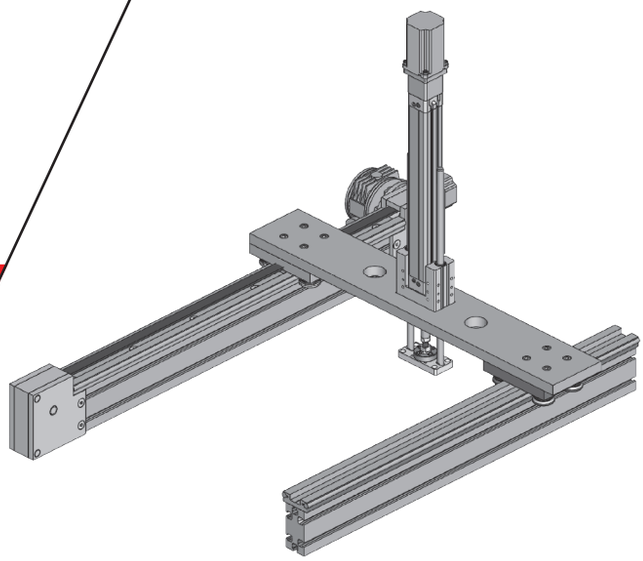
KLEMP Clamp	PİSTON ÇAPI (mm) Piston Dia	STROK (mm) Stroke

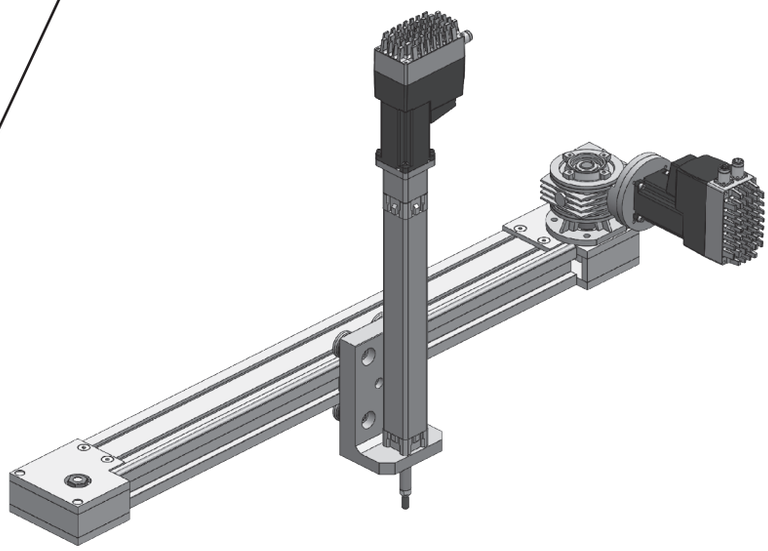
WINMAN®
Türk Markası

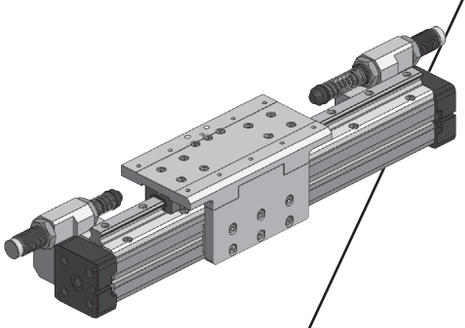
ÖZEL OTOMASYON ÜRÜNLERİ
SPECIAL AUTOMATION PRODUCTS

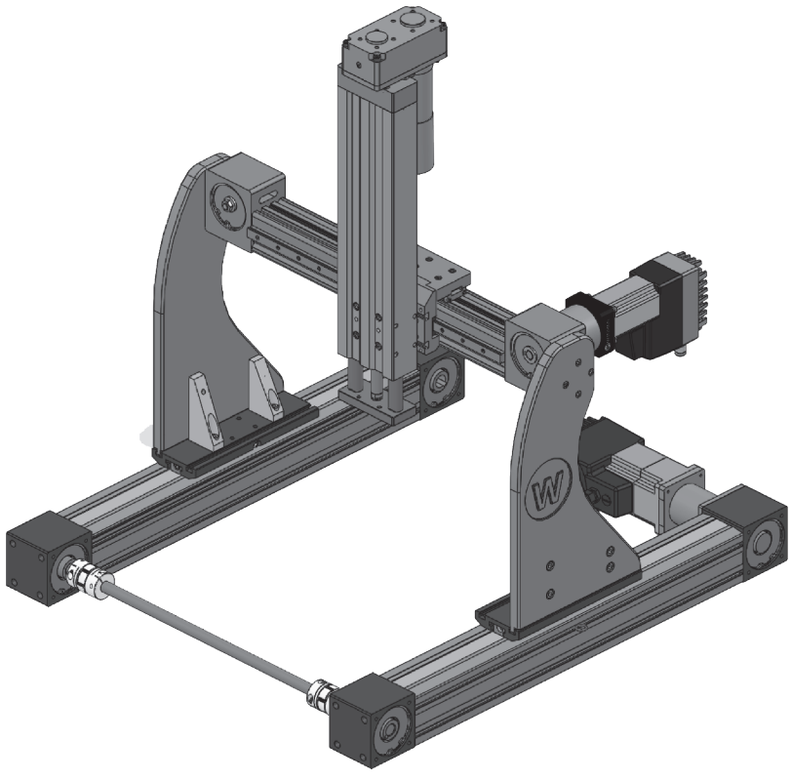
WINMAN Özel elektrikli hareket modüllerinde uygulamalarınıza yönelik özel tasarımlarla tasarım ve üretim süreçlerinizi hızlandırıyoruz.

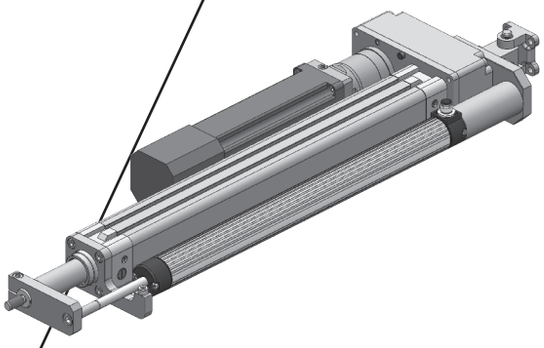
We speed up your design and production processes by special designs related your applications at **WINMAN** *special electric operated motion modules.*

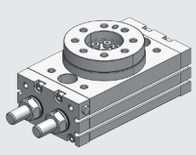




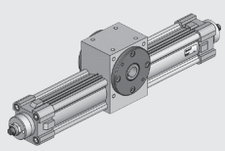








WRQ - Serisi Döner Tabla Silindirler
WRQ - Series Rotation Table Cylinders

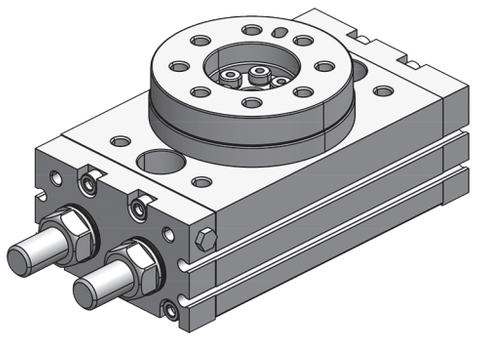


WRC - Serisi Döner Aktüatörler
WRC - Series Rotary Actuators

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For detailed technical Contactation please contact hid-tek office.

WRQ - Serisi Döner Tabla Silindirler / WRQ - Series Rotation Table Cylinders

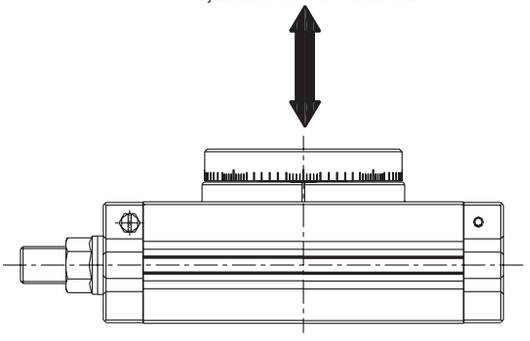


Özellikler / Specification

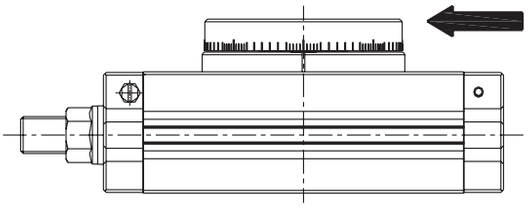
Piston Çapı / Bore Size		2	3	7	10	20	30	50	70	100	200
Çalışma Tipi / Acting Type		**Çift Etkili** / Double Acting									
Akışkan / Fluid		**Hava (40μm filtrelenmiş)** / Air (40μm filtered)									
Çalışma Basıncı / Op. Pressure		< 7 Bar									
Sıcaklık / Temperature		0 ~ +60 °C									
Manyetik / Magnetic		**Standart** / Standard									
Yastıklama Tipi Cush. Type	-	**Damper** / Bumper									
	A	-			**Şok Alıcı** / Shock Absorber						
Sensör / Sensör Switches		**WT-07**									

Montaj / Assembly

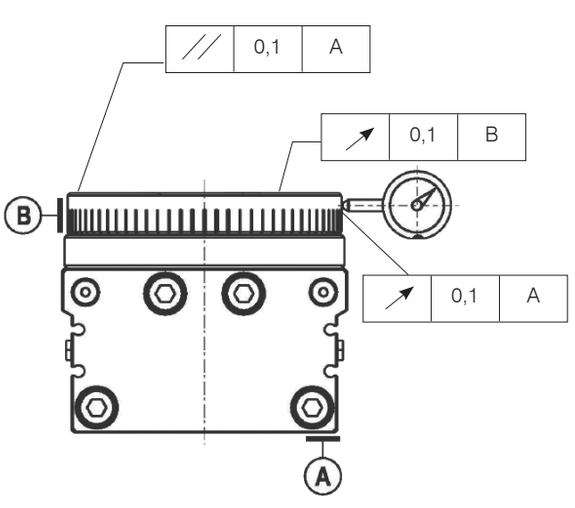
Ayarlanabilir Şok Sönümleyici
Adjustable Shock Absorber



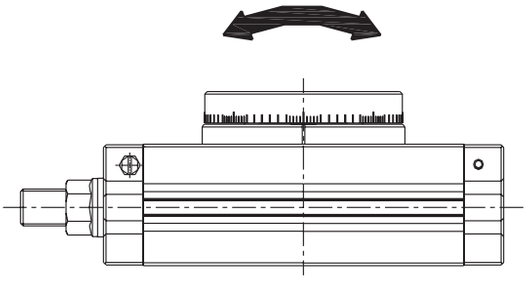
Radyal Yük / Radial Load



Konum Töleransları / Positional Tolerances



Eğilme / Bending



*** Hesaplama ve ayar bilgileri için bilgi alınız.**
* Contact for calculation and installation.

Sipariş Kodu / Ordering Code

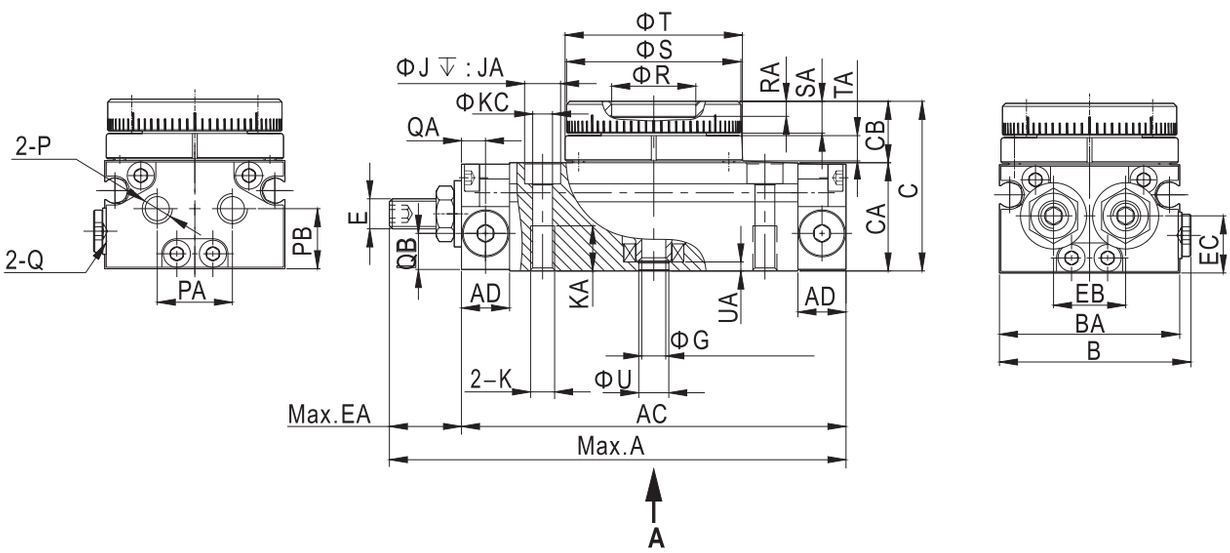
MODEL MODEL	ANMA ÖLÇÜSÜ NOMINAL DIMENSION	YASTIKLAMA CUSHIONING
WRQ	**050**	**A**

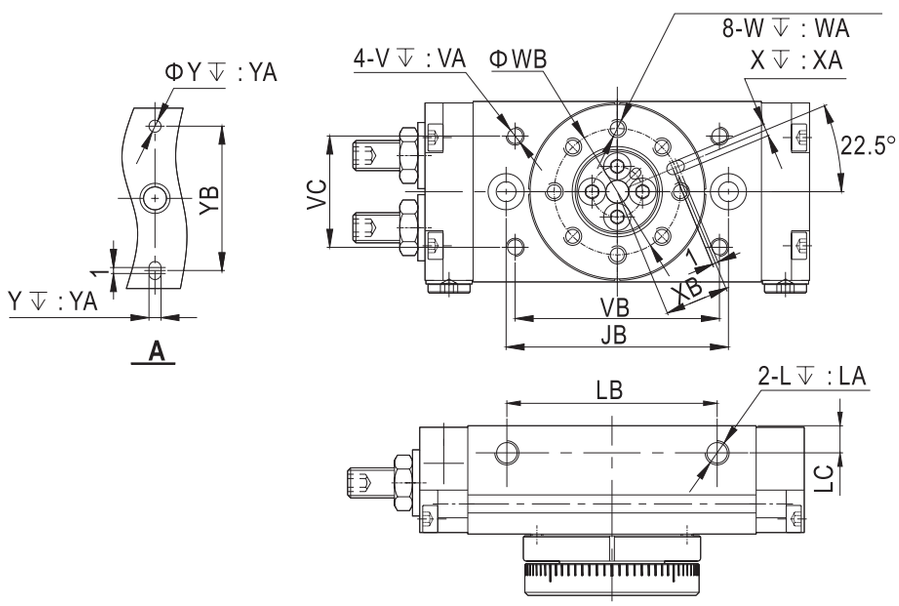
DÖNER TABLA Rotation Table		A :ŞOK ALICILI With shock absorber BOŞ :AYAR CİVATALI Blank :With Adjustmend

WRQ - Serisi Döner Tabla Silindirler / WRQ - Series Rotation Table Cylinders

Teknik Çizim / Technical Drawing

WRQ.002/007





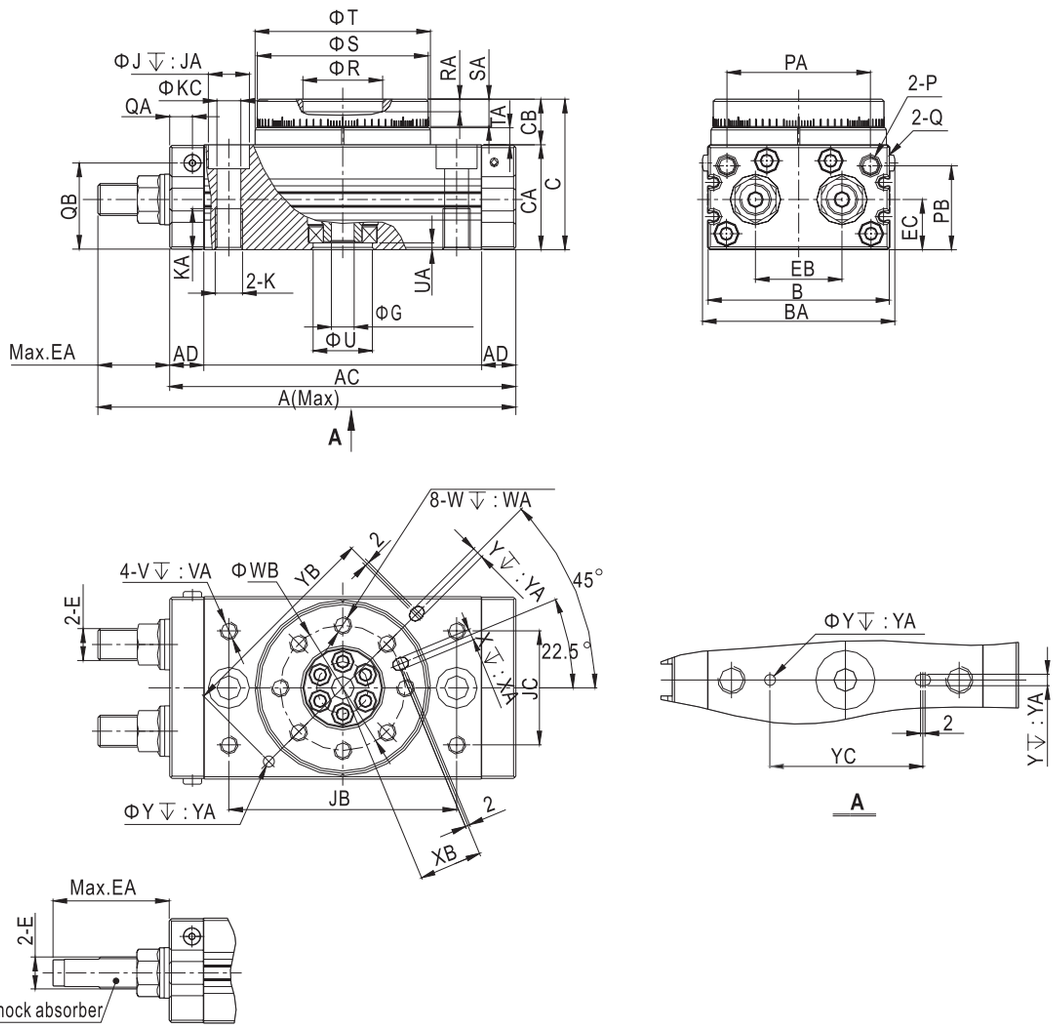
Ø mm	A	AC	AD	B	BA	C	CA	CB	E	EA	EB	EC	G	J	JA	JB	K	KA	KC	L	LA	LB	LC	P	PA
2	76	64	8	32	30	28	18	10	M5 x 0,8	12	12	9,5	4	6	3,5	37	M4 x 0,7	7,5	3,5	M4 x 0,7	4	35	4,5	M5 x 0,8	12,5
3	82	70	8	36,5	34,5	30,5	20,5	10	M5 x 0,8	12	15,5	10,5	5	7,5	4,5	43	M5 x 0,8	8,5	4,5	M4 x 0,7	4	40	4,5	M5 x 0,8	15,5
7	94,5	79,5	8	43	41	34,5	23	11,5	M6 x 1,0	15	18,5	12	6	7,5	4,5	50	M5 x 0,8	8,5	4,5	M5 x 0,8	5	50	5	M5 x 0,8	18,5

Ø mm	PB	Q	QA	QB	R	RA	S	SA	T	TA	U	UA	V	VA	VB	VC	WA	WB	X	XA	XB	Y	YA	YB
2	10	M5 x 0,8	4	6	14(H9)	2,5	29(h9)	5,5	29,5(h9)	4	5(H9)	1,5	M3 x 0,5	3,5	34	18,5	5,5	21	2(H9)	2	10,5	2(H9)	2	24
3	12	M5 x 0,8	4	7,5	17(H9)	2,5	33(h9)	5,5	34(h9)	4	6(H9)	1,5	M3 x 0,5	3,5	38	23	5,5	25	2(H9)	2	12,5	2(H9)	2	28
7	14	M5 x 0,8	4	9	20(H9)	3	39(h9)	6,5	40(h9)	4,5	7(H9)	1,5	M4 x 0,7	4,5	45	30	6,5	29	3(H9)	3	14,5	3(H9)	3	32

WRQ - Serisi Döner Tabla Silindirler / WRQ - Series Rotation Table Cylinders

Teknik Çizim / Technical Drawing

WRQ.010/050



Ø mm	A (With Internal Shock Absorber)	A (With İnternalAdjustable Nut)	AC	AD	B	BA	C	CA	CB	E
10	120,5	109,5	92	9,5	50	54	47	34	13	M10 x 1,0
20	156	143	117	11	65	69	54	37	17	M12 x 1,0
30	165,5	152,5	127	11,5	70	74	57	40	17	M12 x 1,0
50	203	183,5	152	15	80	84	66	46	20	M14 x 1,5

Ø mm	EA (With İnternal Shock Absorber)	EA (With İnternalAdjustable Nut)	EB	EC	G	J	JA	JB	JC
10	28,5	17,5	20,5	15,5	5	11	6,5	60	27
20	39	26	27,5	16	9	14	8,5	76	34
30	38,5	25,5	29	18,5	9	14	8,5	84	37
50	51	31,5	38	22	10	18	10,5	100	50

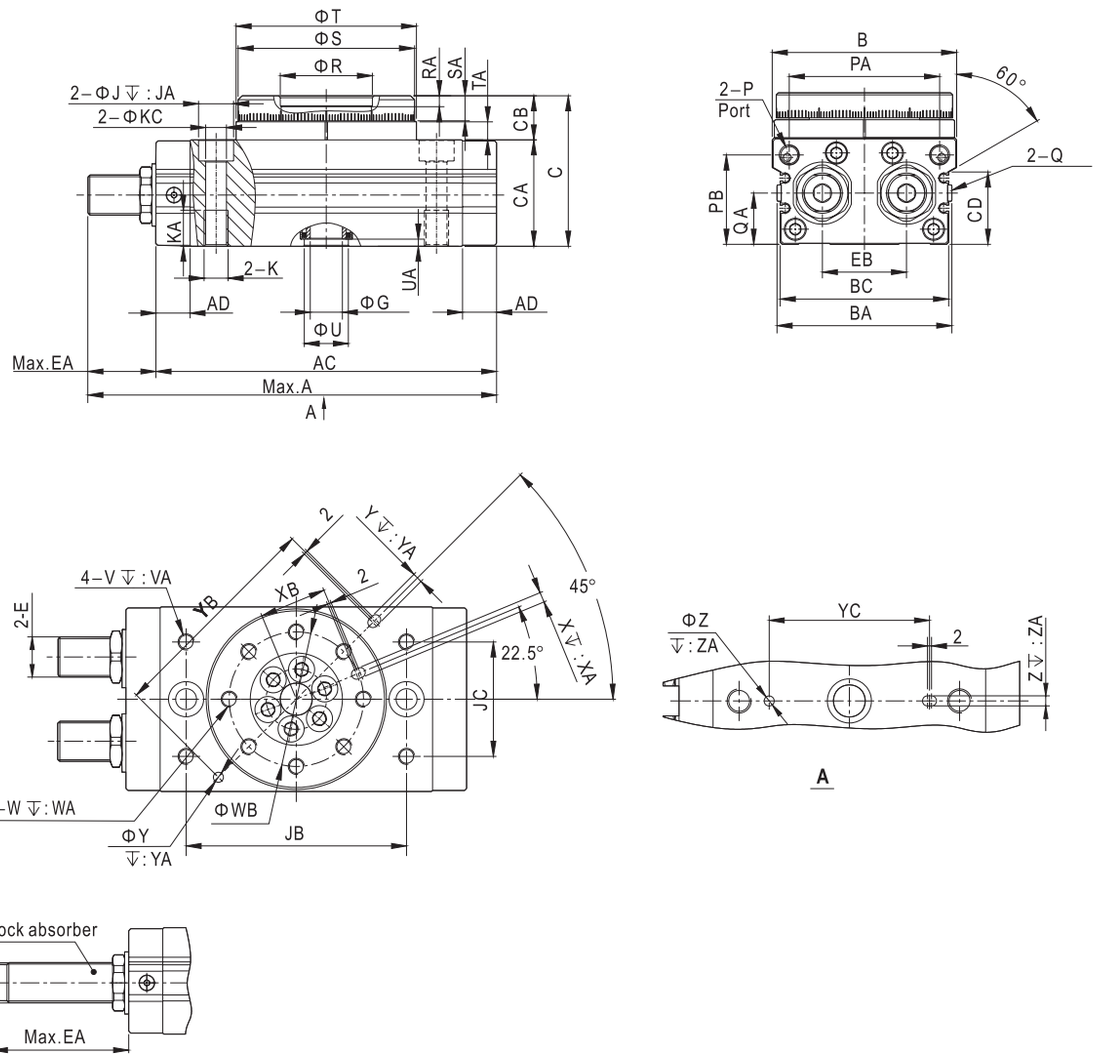
Ø mm	K	KA	KC	P	PA	PB	Q	QA	QB	R	RA	S	SA	T
10	M8 x 1,25	12	6,5	M5 x 0,8	34,5	28	M5 x 0,8	4,5	29	20(H9)	4,5	45(h9)	8	46(h9)
20	M10 x 1,5	15	8,5	M5 x 0,8	47	30	M5 x 0,8	6	30	28(H9)	6,5	60(h9)	10	61(h9)
30	M10 x 1,5	15	8,5	1/8''	50	32	M5 x 0,8	6,5	34	32(H9)	5	65(h9)	10	67(h9)
50	M12 x 1,75	18	10,5	1/8''	63	38	M5 x 0,8	10	38	35(H9)	5,5	75(h9)	12	77(h9)

Ø mm	TA	U	UA	V	VA	W	WA	WB	X	XA	XB	Y	YA	YB	YC
10	4,5	15(H9)	3	M5 x 0,8	8	M5 x 0,8	8	32	3(H9)	3,5	16	3(H9)	3,5	56	40
20	6,5	17(H9)	2,5	M6 x 1,0	8	M6 x 1,0	10	43	4(H9)	4,5	21,5	4(H9)	4,5	74	50
30	6,5	22(H9)	3	M6 x 1,0	8	M6 x 1,0	10	48	4(H9)	5	24	4(H9)	4,5	80	58
50	7,5	26(H9)	3	M8 x 1,25	8	M8 x 1,25	12	55	5(H9)	6	27,5	5(H9)	5,5	92	68

WRQ - Serisi Döner Tabla Silindirler / WRQ - Series Rotation Table Cylinders

Teknik Çizim / Technical Drawing

WRQ.070/200



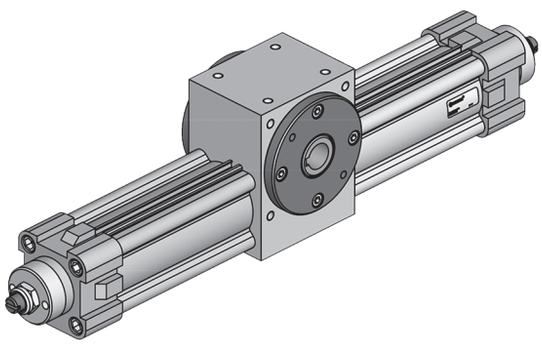
Ø mm	A (With İnternal Shock Absorber)	A (With İnternalAdjustable Nut)	AC	AD	B	BA	BC	C	CA	CB	CD	E
70	238	204	170	17	92	88	84	75	53	22	36	M20 x 1,5
100	257	223	189	17	102	99	95	86	59	27	42	M20 x 1,5
200	314,5	276,5	240	24	120	117	113	106	74	32	57	M27 x 1,5

Ø mm	EA (With İnternal Shock Absorber)	EA (With İnternalAdjustable Nut)	EB	G	J	JA	JB	JC
70	68	34	42	16	17,5	10,5	110	57
100	68	34	50	19	17,5	10,5	130	66
200	74,5	36,5	60	24	20	12,5	15,0	80

Ø mm	K	KA	KC	P	PA	PB	Q	QA	R	RA	S	SA	T
70	M12 x 1,75	18	10,5	1/8''	75	44,5	M5 x 0,8	25,5	46(h9)	5	88(h9)	12,5	90(h9)
100	M12 x 1,75	18	10,5	1/8''	85	50,5	M5 x 0,8	29,5	56(h9)	6	98(h9)	14,5	100(h9)
200	M16 x 2,0	25	14	1/8''	103	63	M5 x 0,8	36,5	64(h9)	9	116(h9)	16,5	118(h9)

Ø mm	TA	U	UA	V	VA	W	WA	WB	X	XA	XB	Y	YA	YB	YC	Z	ZA
70	9	22(H9)	3.5	M8 x 1,25	10	M8 x 1,25	12,5	67	5(H9)	5,5	33,5	5(H9)	3,5	110	80	5(H9)	3,5
100	12	24(H9)	3.5	M8 x 1,25	10	M10 x 1,50	14,5	77	6(H9)	6,5	38,5	6(H9)	4,5	120	100	6(H9)	4,5
200	15	32(H9)	5.5	M12 x 1,75	13	M12 x 1,75	16,5	90	8(H9)	8,5	45	8(H9)	4,5	140	110	8(H9)	6,5

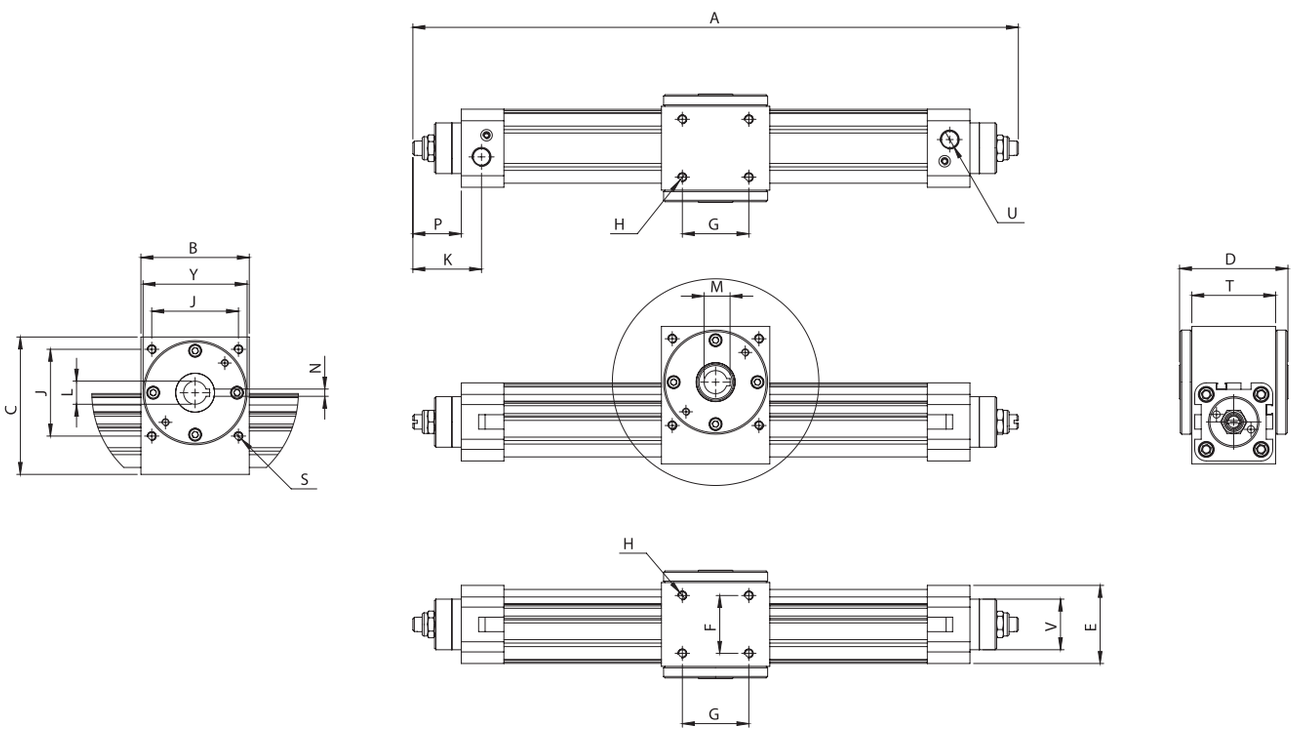
WRC - Serisi Döner Aktüatörler / WRC - Series Rotary Actuators



Özellikler / Specification

Piston Çapı / Bore Size	40	50	63	80
Çalışma Tipi / Acting Type	**Çift Etkili** / Double Acting			
Akışkan / Fluid	**Hava (40μm filtrelenmiş)** / Air (40μm filtered)			
Çalışma Basıncı / Op. Pressure	< 10 Bar			
Sıcaklık / Temperature	0 ~ +80 °C			
Manyetik / Magnetic	**Standart** / Standard			
Yastıklama Tipi / Cush. Type	**Ayarlı Yastıklama** / Adjustable Cushinoed			
Hız / Speed Range	-			
Sensör / Sensör Switches	**WT-50 / WT-65 / WT-75**			

Teknik Çizim / Technical Drawing



*** Hesaplama için bilgi alınız.**
* Contact us for calculation

Ø mm	A 90° min - max	A 180° min - max	B	C	D	E	F	G	H	J	K max	L H9	M +0.1	N N11	P max	S	T	U	V	Y
40	374~391	404~421	75	95	75	54	40	46	M6	60	48	Ø16	18	5	34	M6	58	G1/4	Ø35	Ø72
50	420~446	460~486	90	110	94	64	40	70	M8	70	60	Ø19	21,8	6	46	M8	75	G1/4	Ø40	Ø83
63	430~452	472~492	90	110	94	75	40	70	M8	70	58,5	Ø19	21,8	6	41	M8	75	G3/8	Ø45	Ø83
80	508~520	540~560	105	135	120	93	50	80	M8	80	67	Ø24	27,3	6	50	M8	95	G3/8	Ø45	Ø96

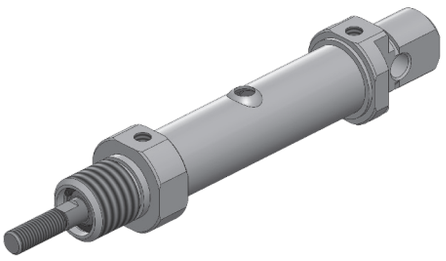
Sipariş Kodu / Ordering Code

MODEL MODEL	ÇAP DİA	AÇI Angle
WRC	**040**	**090**

DÖNER AKTÜATÖR Rotary Actuator	PİSTON ÇAPI (mm) Piston Dia	90° 180° 270° 360°

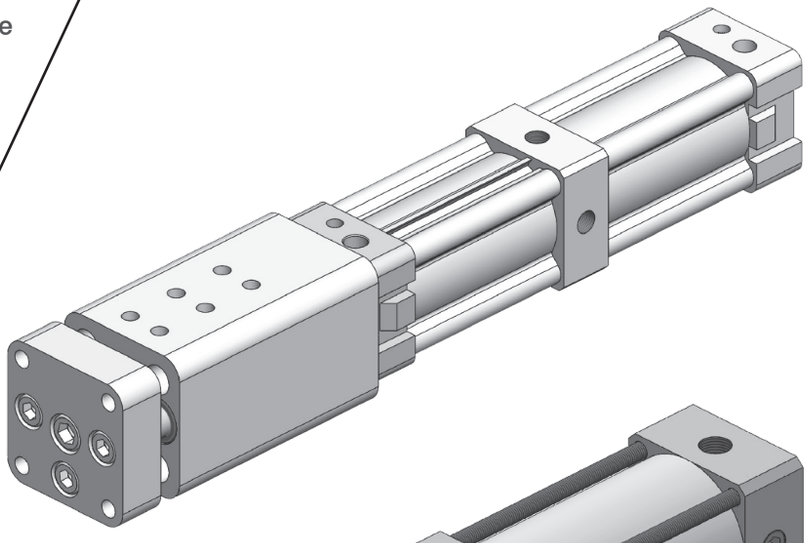
WINMAN®
Türk Markası

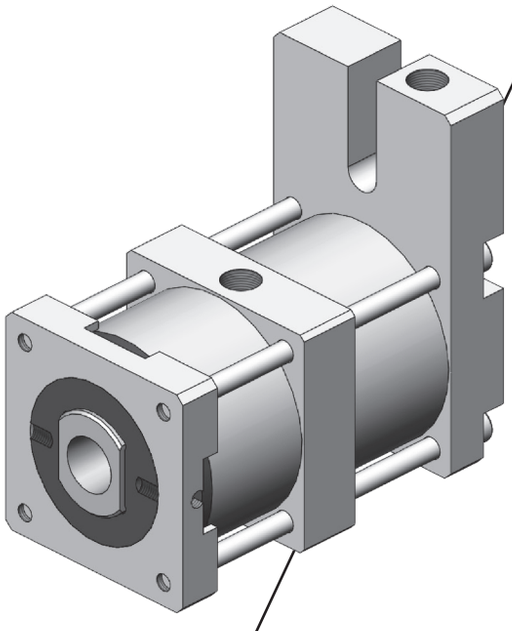
ÖZEL PNÖMATİK SİLİNDİRLER
SPECIAL PNEUMATIC CYLINDERS

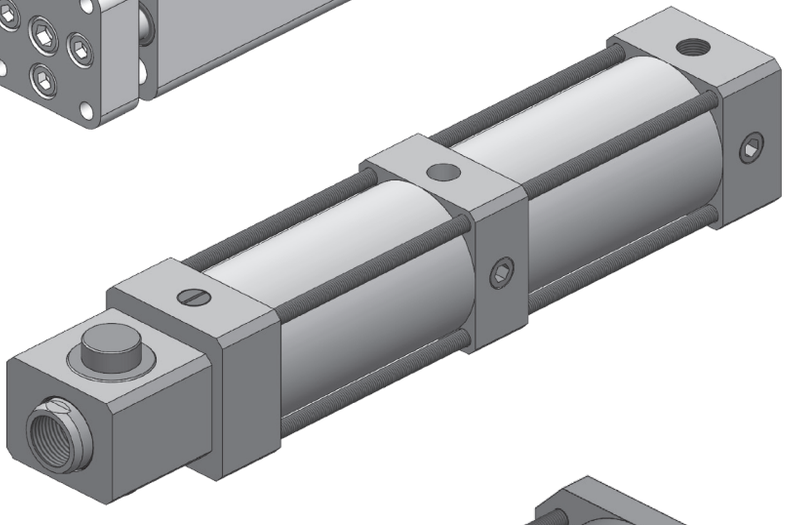


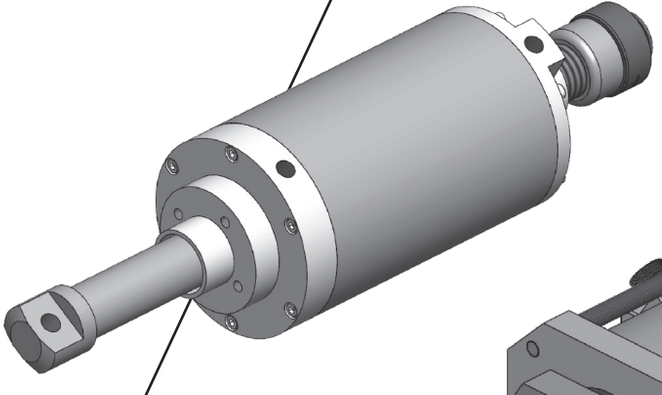
WINMAN Özel silindirler; özel tasarımlarla, makine ve apartlarınızda tasarım esnekliği sağlar.
Çalışma koşullarına özel olarak yapılan tasarımlarla daha kaliteli ürünler sunmanıza yardımcı olur.

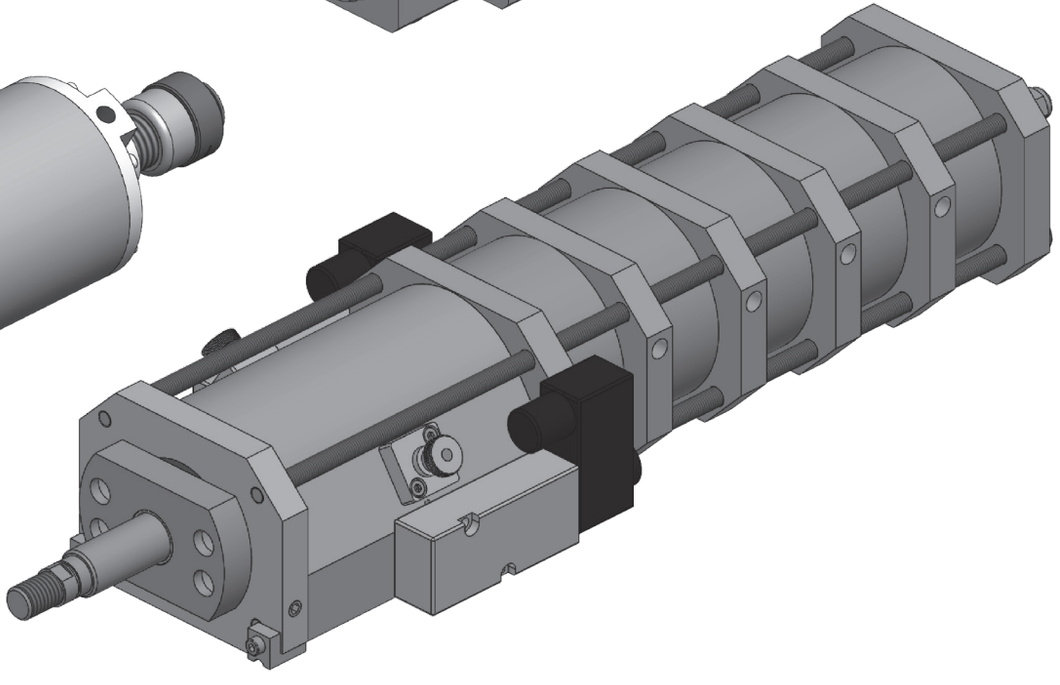
WINMAN *special cylinders provides design flexibility to your machine and apparatus with special designs. Helps you to introduce more higher quality products with designs special to work conditions.*



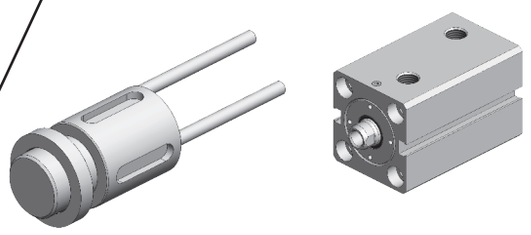




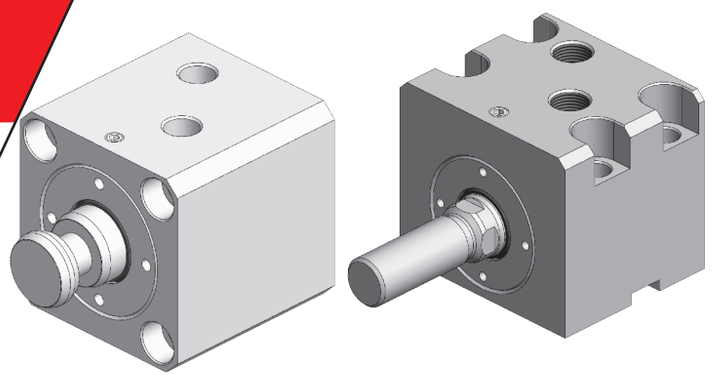




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Türk Markası

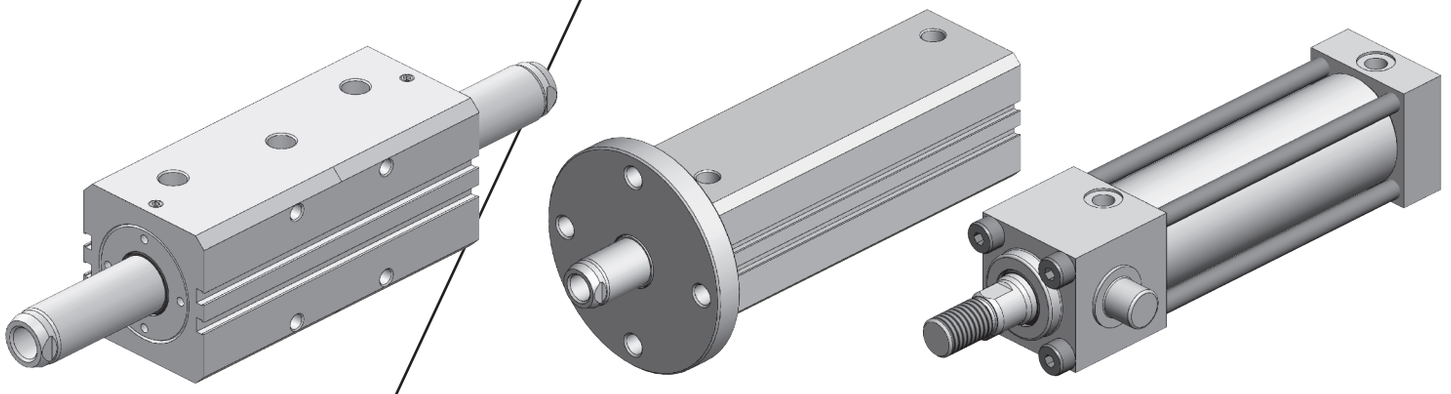


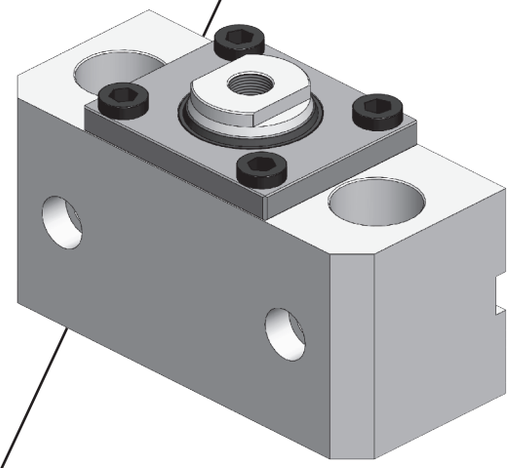
ÖZEL HİDROLİK ÜRÜNLERİ
SPECIAL HYDRAULIC PRODUCTS

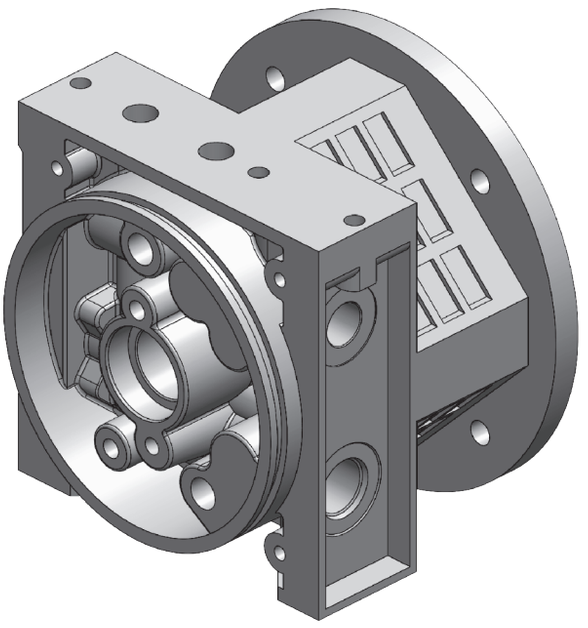


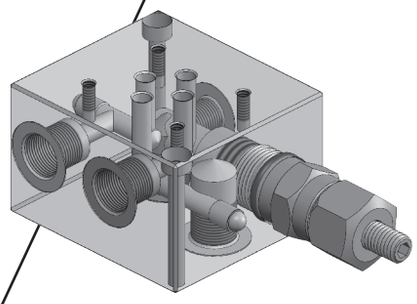
WINMAN Özel ürünler; özel tasarımlarla, makine ve apartlarınızda tasarım esnekliği sağlar.
Çalışma koşullarına özel olarak yapılan tasarımlarla daha kaliteli ürünler sunmanıza yardımcı olur.

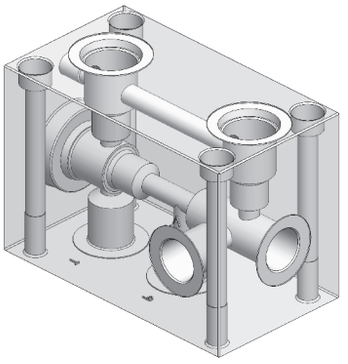
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NOTLAR:

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