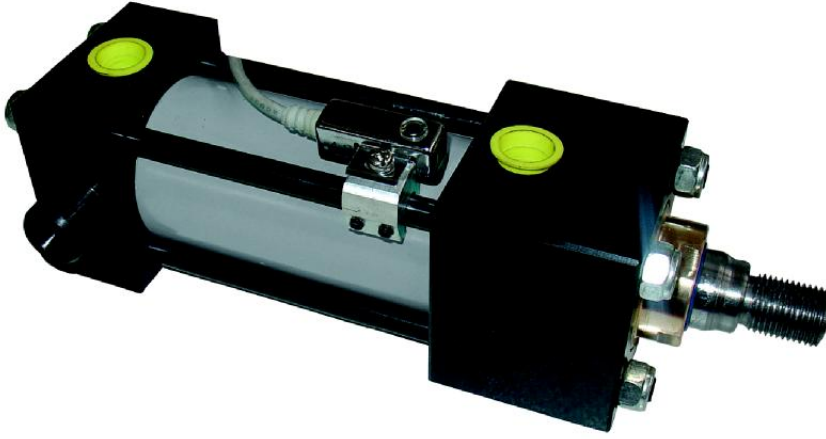




dkHYDRAULIC CYLINDER



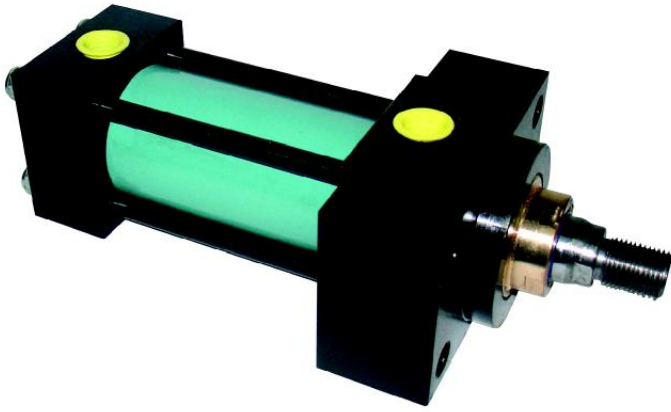


TECHNICAL SPECIFICATIONS / TEKNİK ÖZELLİKLER

Standard cylinders Standartlar	ISO 6020/2 ISO 6020/2	Standart fluids Yağ cinsi	Hydraulic mineral oil HL, HLP Hidrolik mineral yağ HL, HLP
Operating pressure Çalışma basıncı	160 bar 160 bar	Temperature range Çalışma aralığı	Min -20° C Max +80° C Min -20° C Max +80° C
Stroke Strok	Up to 1400 mm 1400 mm ye kadar	Seal Sızdırmazlık elemanı	PU, NBR PU, NBR
Stroke speed Çalışma hızı	Up to 0,5 m/s 0,5 m/s ye kadar	Dimensions Ölçüler	As cylinder "HC" "HC" Serisi gibi

ORDERING CODE / SİPARİŞ ŞEKLİ

Series Seri	Piston Piston	Rod Mil	Mounting Montaj Şekli	Cushioning Yastıklama	Stroke Strok	Piston Rod Extension Milin Ekstra Çıkma Mesafesi	Seal Sızdırmazlık Elemanı
HCM - 50 / 28 - A - K - 250 - 20 - V							
HCM : With proximity switch Manyetik	25 32 40 50 63 80 100	12 , 18 14 , 18 , 22 18 , 22 , 28 22 , 28 , 36 28 , 36 , 45 36 , 45 , 56 45 , 56 , 70	A =Front flange mounting Önden flanş bağlantı B =Rear flange mounting Arkadan flanş bağlantı E =Fixed clevis mounting Arka çatal mafsallı F =Fixed eye mounting Arka ortadan mafsallı G =Fixed eye with spherical Arka oynar mafsallı J =Foot mounting Ayak bağlantılı L =Front trunnion mounting Önden mıyılı bağlantı M =Rear trunnion mounting Arka mıyılı bağlantı P =Extended tie rods both sides Her iki taraftan uzun saplamalı R =Extended tie rods at rear side Arkadan uzun saplamalı S =Extended tie rods at front side Önden uzun saplamalı T =Front threaded holes mounting Önden dişli bağlantı	ME5 ME6 MP1 MP3 MP5 MS2 MT1 MT2 MX1 MX2 MX3 MX5	... =Without Yastıklamasız D =Both sides - self adjusting Her iki tarafa sabit ayarlı S =Front side - self adjusting Önden yastıklı - sabit ayarlı K =Rear side - self adjusting Arkadan yastıklı - sabit ayarlı		... =Standard V =Viton



TECHNICAL SPECIFICATIONS / TEKNİK ÖZELLİKLER

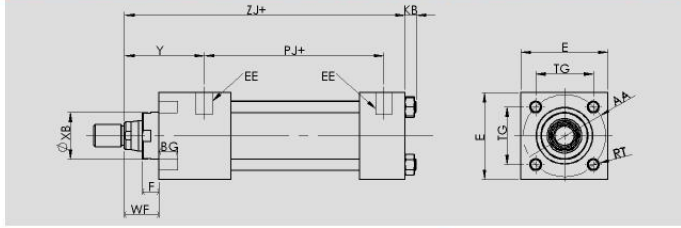
Standard cylinders Standartlar	ISO 6020/2 ISO 6020/2	Stroke (mm) Strok	Up to 1400 mm 1400 mm ye kadar
Operating pressure Çalışma basıncı	160 bar 160 bar	Max Stroke speed Max Çalışma hızı	Up to 0,5 m/s 0,5 m/s ye kadar
Piston Ø(mm) Piston çapları	25, 32, 40, 50, 63, 80, 100, 125, 160, 200 25, 32, 40, 50, 63, 80, 100, 125, 160, 200	Temperature range Çalışma aralığı	Min -20° C Max +80° C Min -20° C Max +80° C

ORDERING CODE / SİPARİŞ ŞEKLİ

Series Seri	Piston Piston	Rod Mil	Mounting Montaj Şekli	Cushioning Yastıklama	Stroke Strok	Piston Rod Extension Milin Ekstra Çıkma Mesafesi	Seal Sızdırmazlık Elemanı
HC : Standart single rod Standart tek millî	25 32	12, 18 14, 18, 22	A =Front flange mounting Önden flanş bağlantı	ME5	...	...	... =Standard V =Viton
HCD : With double rod Çift millî	40 50 63 80 100 125 160 200	18, 22, 28 22, 28, 36 28, 36, 45 36, 45, 56 45, 56, 70 56, 70, 90 70, 90, 110 90, 110, 140	B =Rear flange mounting Arkadan flanş bağlantı E =Fixed clevis mounting Arka çatal mafsallı F =Fixed eye mounting Arka ortadan mafsallı G =Fixed eye with spherical Arka oynar mafsallı J =Foot mounting Ayak bağlantılı L =Front trunnion mounting Önden mıyılı bağlantı M =Rear trunnion mounting Arka mıyılı bağlantı N =Intermediate trunnion mounting Ortadan mıyılı bağlantı P =Extended tie rods both sides Her iki taraftan uzun saplamalı R =Extended tie rods at rear side Arkadan uzun saplamalı S =Extended tie rods at front side Önden uzun saplamalı T =Front threaded holes mounting Önden dişli bağlantı	ME6 MP1 MP3 MP5 MS2 MT1 MT2 MT4 MX1 MX2 MX3 MX5	250 20	V	

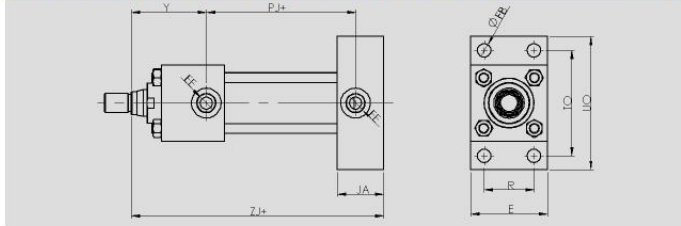
T=FRONT THREADED HOLES MOUNTING / ÖNDEN DİŞLİ BAĞLANTI

MX5



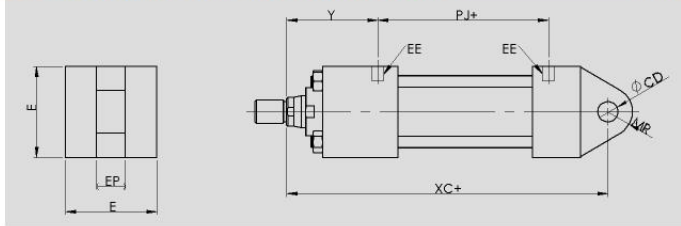
B=REAR FLANGE MOUNTING / ARKADAN FLANŞ BAĞLANTI

ME6



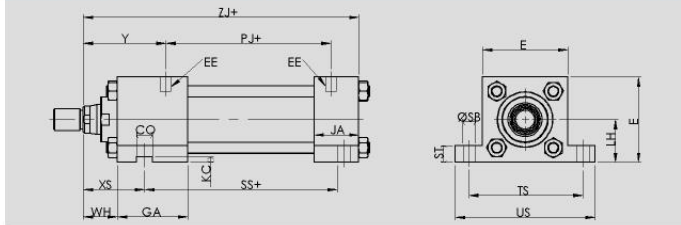
F=FIXED EYE MOUNTING / ARKA ORTADAN MAFSALLI

MP3



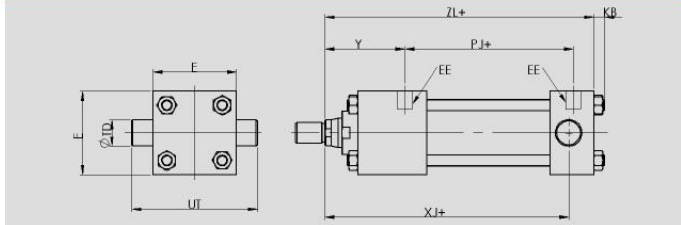
J=FOOT MOUNTING / AYAK BAĞLANTILI

MS2



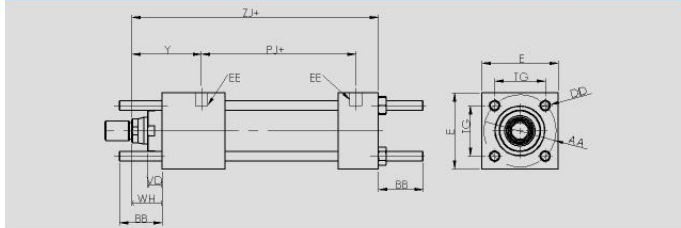
M=REAR TRUNNION MOUNTING / ARKA MUYYLU BAĞLANTI

MT2



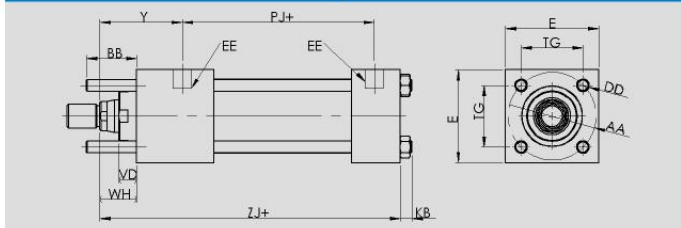
P=EXTENDED TIE RODS BOTH SIDES / HER İKİ TARAFTAN UZUN SAPLAMALI

MX1



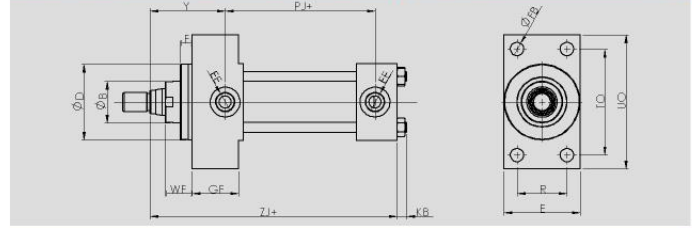
S=EXTENDED TIE RODS AT FRONT SIDE / ÖNDEN UZUN SAPLAMALI

MX3



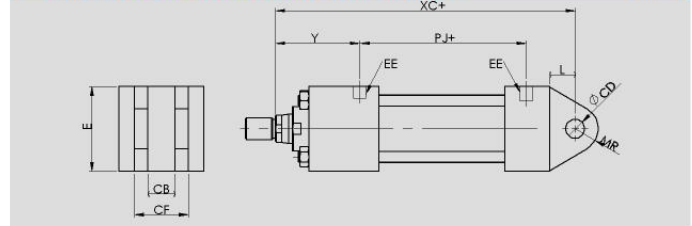
A=FRONT FLANGE MOUNTING / ÖNDEN FLANŞ BAĞLANTI

ME5



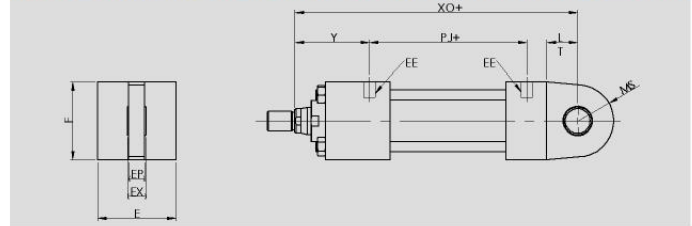
E=FIXED CLEVIS MOUNTING / ARKA ÇATAL MAFSALLI

MP1



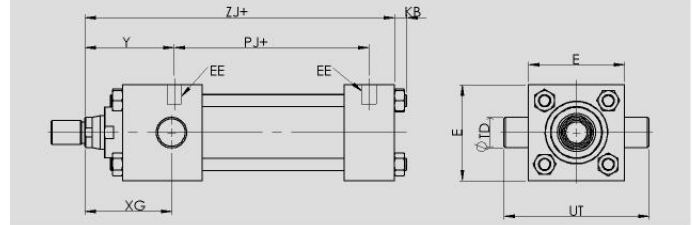
G=FIXED EYE WITH SPHERICAL BEARING MOUNTING / ARKA OYNAR MAFSALLI

MP5



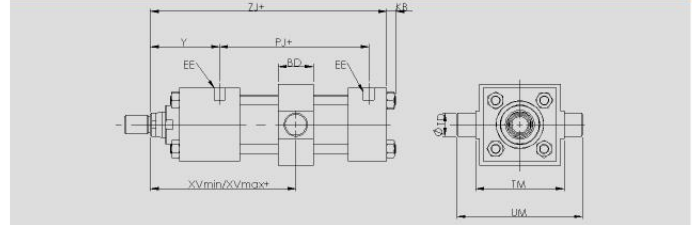
L=FRONT TRUNNION MOUNTING / ÖNDEN MUYYLU BAĞLANTI

MT1



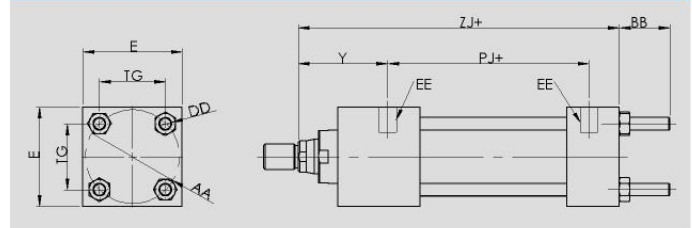
N=INTERMEDIATE TRUNNION MOUNTING / ORTADAN MUYYLU BAĞLANTI

MT4

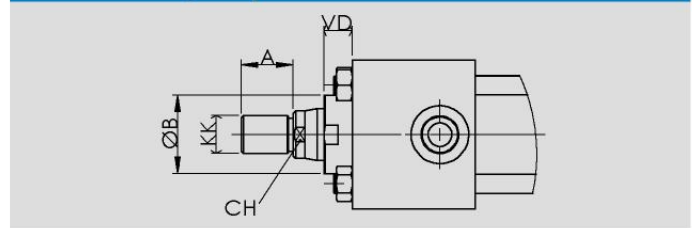


R=EXTENDED TIE RODS AT REAR SIDE / ARKADAN UZUN SAPLAMALI

MX2



RODS EXTREMITIES / MİL UÇLARI



Measurements in mm / Ölçüler mm

Piston Piston	Rod Mil			AA	BB +3	BD max	BG min	CB A16	CD H9	CF max	CO H8	CX	DD	E	EE	EP h15	EW h14	EX	F	FB	GA
25	12		18	40	19	20	8	12	10	24	12	12	M5x0,8	40±1,5	G 1/4	8	12	10	10	5,5	46,5
32	14	18	22	47	24	25	9	16	12	32	12	16	M6x1	45±1,5	G 1/4	11	16	14	10	6,6	46,5
40	18	22	28	59	35	30	12	20	14	40	12	20	M8x1	63±1,5	G 3/8	13	20	16	10	11	52
50	22	28	36	74	46	40	18	30	20	60	12	25	M12x1,25	75±1,5	G 1/2	17	30	20	16	14	57,8
63	28	36	45	91	46	50	18	30	20	60	16	30	M12x1,25	90±1,5	G 1/2	19	30	22	16	14	55,8
80	36	45	56	117	59	60	24	40	28	80	16	40	M16x1,5	115±1,5	G 3/4	23	40	28	20	18	65
100	45	56	70	137	59	70	24	50	36	100	16	50	M16x1,5	130±2	G 3/4	30	50	35	22	18	67
125	56	70	90	178	81	90	27	60	45	120	20	60	M22x1,5	165±2	G 1	38	60	44	22	22	73,5
160	70	90	110	219	92	110	32	70	56	140	-	80	M27x2	205±2	G 1	47	70	55	25	26	80,5
200	90	110	140	269	115	130	40	80	70	160	-	100	M30x2	245±2	G 1 1/4	57	80	70	25	33	101

Measurements in mm / Ölçüler mm

Piston Piston	GF	JA	KB	KC	L min	LH h10	LT min	MR max	MS max	PJ ±1,25	R JS13	RD 18	RT 6H	SB H13	SS ±1,25	ST h15	TC h14	TD f8	TG js13	TM h14
25	25	22,5	7	4	13	19	16	12	20	53	27	38	M5x0,8	6,6	73	8,5	38	12	28,3	48
32	25	23,5	10	4	19	22	20	17	22,5	56	33	42	M6x1	9	73	12,5	44	16	33,2	55
40	38	33	13	4	19	31	25	17	29	73	41	62	M8x1,25	11	98	12,5	63	20	41,7	76
50	38	33,8	17	4	32	37	31	29	33	74	52	74	M12x1,75	14	92	19	76	25	52,3	89
63	38	33,8	17	4	32	44	38	29	40	80	65	88	M12x1,75	18	86	26	89	32	64,3	100
80	45	39	23	5	39	57	48	34	50	93	83	105	M16x2	18	105	26	114	40	82,7	127
100	45	40	23	5	54	63	58	50	62	101	97	125	M16x2	26	102	32	127	50	96,9	140
125	58	51,5	30	5	57	82	72	53	80	117	126	150	M22x2,5	26	131	32	165	63	125,9	178
160	58	55,5	35	-	63	101	92	59	100	130	155	170	M27x3	33	130	38	203	80	154,9	215
200	76	76	37	-	82	122	116	78	120	165	190	210	M30x3,5	39	172	44	241	100	190,2	279

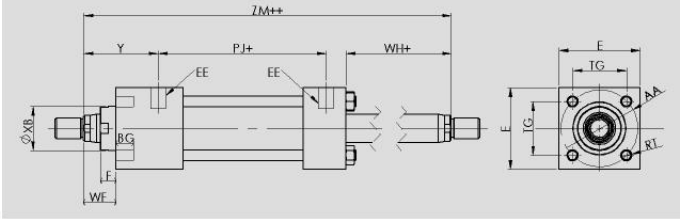
Measurements in mm / Ölçüler mm

Piston Piston	TO JS13	TS JS13	UM h15	UO max	US +2	UT	UW max	VD	WF ±2	WH ±2	Y ±2	XC ±1,25	XG ±2	XJ ±1,25	XO ±1,25	XS ±2	XV min max		ZB max	ZJ ±1	ZM ±2
25	51	54	68	65	72	58	63	6	25	15	50	127	44	101	130	33	74	79 +	121	114	154
32	58	63	79	70	84	68	75	12	35	25	60	147	54	115	148	45	93	83 +	137	128	178
40	87	83	108	110	103	95	92	12	35	25	62	172	57	134	178	45	106	91 +	166	153	195
50	105	102	129	130	127	116	112	9	41	25	67	191	64	140	190	54	106	102 +	176	159	207
63	117	124	150	145	161	139	126	13	48	32	71	200	70	149	206	65	116	106 +	185	168	223
80	149	149	191	180	186	178	160	9	51	31	77	229	76	168	238	68	129	118 +	212	190	246
100	162	172	220	200	216	207	180	10	57	35	82	257	71	187	261	79	141	124 +	225	203	265
125	208	210	278	250	254	265	215	9	57	35	86	289	75	209	304	79	157	132 +	260	232	289
160	253	260	341	300	318	329	260	7	57	32	86	308	75	230	337	86	171	131 +	279	245	302
200	300	311	439	360	381	401	365	7	57	32	93	381	85	276	415	92	202	154 +	336	299	356

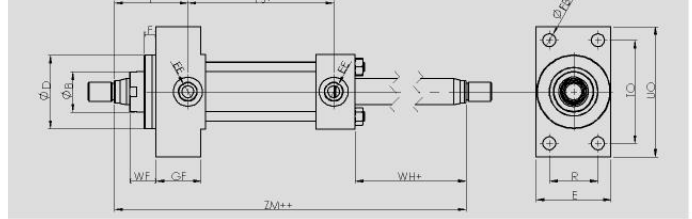
Measurements in mm / Ölçüler mm

	Rod / Mil											
	12	14	18	22	28	36	45	56	70	90	110	140
A	14	16	18	22	28	36	45	56	63	85	95	112
B	24	26	30	34	42	50	60	72	88	108	133	163
CH	10	12	14	19	22	28	36	46	60	75	95	120
KK	M10x1,25	M12x1,25	M14x1,5	M16x1,5	M20x1,5	M27x2	M33x2	M42x2	M48x2	M64x3	M80x3	M100x3
KF	M8x1	M10x1,25	M12x1,25	M16x1,5	M20x1,5	M27x2	M33x2	M42x2	M48x2	M64x3	M80x3	M100x3

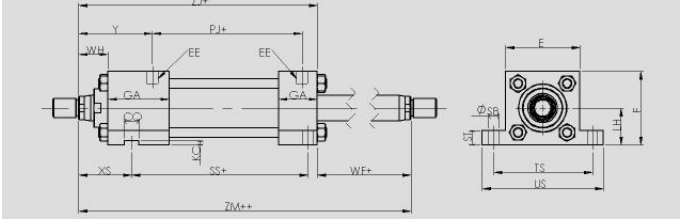
T=FRONT THREADED HOLES MOUNTING / ÖNDEN DİŞLİ BAĞLANTI



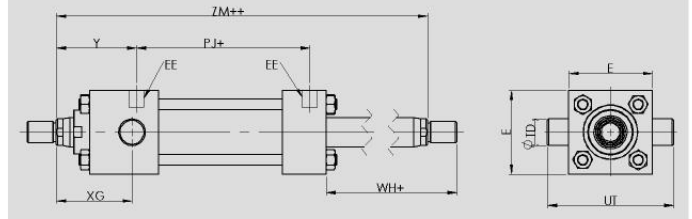
A=FRONT FLANGE MOUNTING / ÖNDEN FLANŞ BAĞLANTI



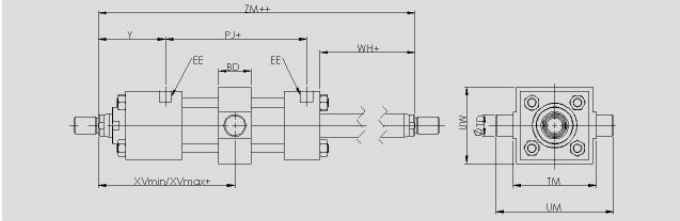
J=FOOT MOUNTING / AYAK BAĞLANTILI



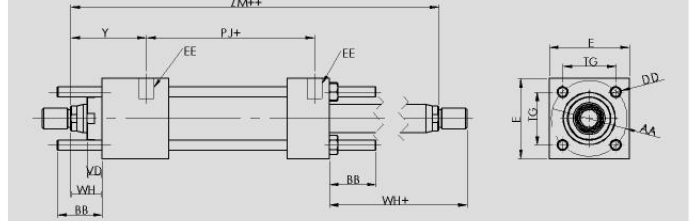
L=FRONT TRUNNION MOUNTING / ÖNDEN MUYLU BAĞLANTI



N=INTERMEDIATE TRUNNION MOUNTING / ORTADAN MUYLU



P=EXTENDED TIE RODS BOTH SIDES / HER İKİ TARAFTAN UZUN SAPLAMALI



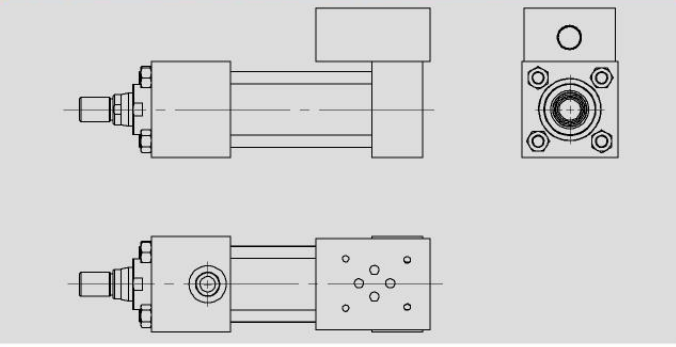
Measurements in mm / Ölçüler mm

Piston Piston	Rod Mil		AA	BB +3	BD max	BG min	DD	DT	E	EE	F	FB	GA	GF	JA	LH h10	R JS13	RD 18	SB H13	SS ±1,25
25	12	18	40	19	20	8	M5x0,8	M5	40±1,5	G 1/4	10	5,5	46,5	25	22,5	19	27	38	6,6	73
32	14	18	22	47	24	9	M6x1	M6	45±1,5	G 1/4	10	6,6	46,5	25	23,5	22	33	42	9	73
40	18	22	28	59	35	12	M8x1	M8	63±1,5	G 3/8	10	11	52	38	33	31	41	62	11	98
50	22	28	36	74	46	18	M12x1,25	M12	75±1,5	G 1/2	16	14	57,8	38	33,8	37	52	74	14	92
63	28	36	45	91	46	18	M12x1,25	M12	90±1,5	G 1/2	16	14	55,8	38	33,8	44	65	88	18	86
80	36	45	56	117	59	24	M16x1,5	M16	115±1,5	G 3/4	20	18	65	45	39	57	83	105	18	105
100	45	56	70	137	59	24	M16x1,5	M16	130±2	G 3/4	22	18	67	45	40	63	97	125	26	102
125	56	70	90	178	81	27	M22x1,5	M22	165±2	G 1	22	22	73,5	58	51,5	82	126	150	26	131
160	70	90	110	219	92	32	M27x2	M27	205±2	G 1	25	26	80,5	58	55,5	101	155	170	33	130
200	90	110	140	269	115	40	M30x2	M30	245±2	G 1 1/4	25	33	101	76	76	122	190	210	39	172

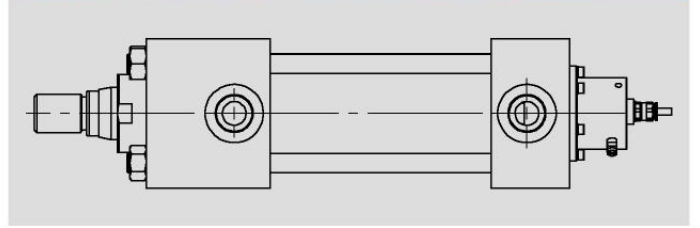
Measurements in mm / Ölçüler mm

Piston	ST	TC	TD	TG	TM	TO	TS	UM	UO	US	UT	UW	VD	WF	WH	Y	XG	XS	XV		ZM
Piston	h15	h14	f8	js13	h14	JS13	JS13	h15	max	+2		max		±2	±2	±2	±2	±2	min	max	±2
25	8,5	38	12	28,3	48	51	54	68	65	72	58	63	6	25	15	50	44	33	74	79 +	154
32	12,5	44	16	33,2	55	58	63	79	70	84	68	75	12	35	25	60	54	45	93	83 +	178
40	12,5	63	20	41,7	76	87	83	108	110	103	95	92	12	35	25	62	57	45	106	91 +	195
50	19	76	25	52,3	89	105	102	129	130	127	116	112	9	41	25	67	64	54	106	102 +	207
63	26	89	32	64,3	100	117	124	150	145	161	139	126	13	48	32	71	70	65	116	106 +	223
80	26	114	40	82,7	127	149	149	191	180	186	178	160	9	51	31	77	76	68	129	118 +	246
100	32	127	50	96,9	140	162	172	220	200	216	207	180	10	57	35	82	71	79	141	124 +	265
125	32	165	63	125,9	178	208	210	278	250	254	265	215	9	57	35	86	75	79	157	132 +	289
160	38	203	80	154,9	215	253	260	341	300	318	329	260	7	57	32	86	75	86	171	131 +	302
200	44	241	100	190,2	279	300	311	439	360	381	401	365	7	57	32	93	85	92	202	154 +	356

CYLINDERS WITH CETOP PLATES / VALF PLEYTLİ SİLİNDİR

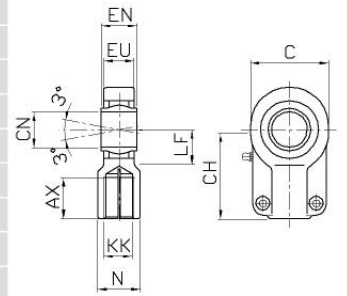


CYLINDERS WITH POSITION SENSORS / MESAFE SENSÖRLÜ SİLİNDİR



TS=ROD END EYE WITH SPHERICAL BEARING / MİL UCU OYNAR MAFSAL

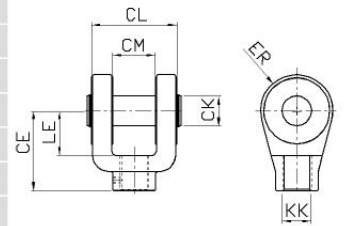
	TS 10125	TS 12125	TS 1415	TS 1615	TS 2015	TS 272	TS 332	TS 422	TS 482	TS 643
AX	15	17	19	23	29	37	46	57	64	86
C	32	42	50	62	76	96	116	150	195	235
CH	42	48	58	68	85	105	130	150	185	240
CN	12	16	20	25	30	40	50	60	80	100
EN	10	14	16	20	22	28	35	44	55	70
EU	8	11	13	17	19	23	30	38	47	57
KK	M10x1,25	M12x1,25	M14x1,5	M16x1,5	M20x1,5	M27x2	M33x2	M42x2	M48x2	M64x3
LF	18	22	28	34	38	48	62	74	98	122
N	17	21	25	30	36	45	55	68	78	100
(KG)	0,10	0,12	0,23	0,42	0,68	1,14	2,08	4,47	7,65	14,55



Measurements in mm / Ölçüler mm

CF=ROD END CLEVIS WITH PIN / MİL UCU ÇATAL BAĞLANTI

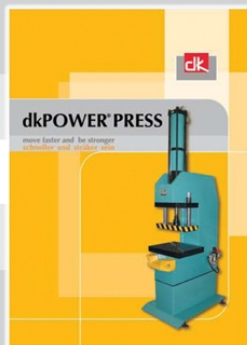
	CF 10125	CF 12125	CF 1415	CF 1615	CF 2015	CF 272	CF 332	CF 422	CF 482	CF 643
CE	32	36	38	54	60	75	99	113	126	168
CK	10	12	14	20	20	28	36	45	56	70
CL	25	35	40	60	60	80	100	120	140	160
CM	12	16	20	30	30	40	50	60	70	80
ER	12	17	17	29	29	34	50	53	59	78
KK	M10x1,25	M12x1,25	M14x1,5	M16x1,5	M20x1,5	M27x2	M33x2	M42x2	M48x2	M64x3
LE	13	19	19	32	32	39	54	57	63	83
(KG)	0,10	0,15	0,15	0,55	1,05	1,85	4,65	6,5	11	25



Measurements in mm / Ölçüler mm

SPECIAL CYLINDERS / ÖZEL SİLİNDİRLER

Block Cylinders
Blok SilindirlerRotary Clamp Cylinders
Sıkma SilindirleriMini Compact Cylinders
Mini Kompak SilindirlerSpecial Mounting Cylinders
Özel Montajlı Silindirler



Distribütör

If you do not find a suitable type in our standart program
we are ready to built a special appliance according to your requirements.
Standartlarımızda bulamadığınız ürünler için lütfen bizimle irtibata geçiniz.



DK OTOMASYON sistemleri makina san. tic. ltd. şti.

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Note: DK OTOMASYON reserves the right to carry out any modification to dimensions without prior notice.

Not: DK OTOMASYON ölçülerde değişiklik yapma hakkına sahiptir.