



PASLANMAZ ÇELİK SİLİNDİRLER

ISO 15552 / ISO 6432

www.sematik.tr

SEMAK[®]MATIC
PNEUMATIC EQUIPMENTS



STAINLESS STEEL ISO 15552

New serie of stainless steel cylinders conforms the standart of ISO 15552 . Round tube and tie rod connection is standart with cushioning for the ISO 15552 serie . Magneting and double acting are also standart . Scraper ring in VITON specially suitable for chemical and harsh environment .

The clean and modern design is also usefull for food industry .

There are no external casting cavities for the caps .

ISO 6432 also has a perfect design and has cushioning option for ordering .



STAINLESS STEEL ISO 6432

ORDERING CODES

ordering code for ISO 15552 : SMS ... / CMYIN

ordering code for ISO 6432 : SMS ... / CMOIN

Cushioned for ISO 6432 : SMS ... / CMYIN

SPECIAL NOTES

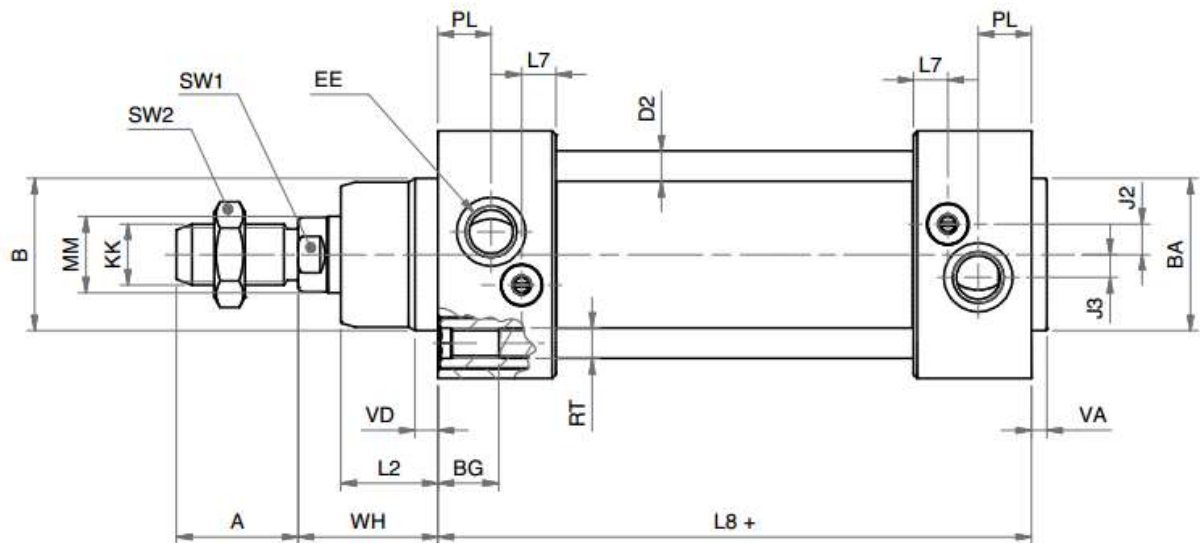
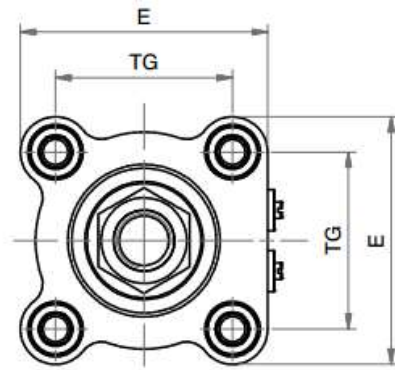
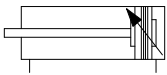
- * INOX SERIE HAS STANDART VITON SEALS .
- * MAGNETIC and CUSHIONED for ISO 15552 .
- * CUSHIONED is OPTIONAL ONLY for ISO 6432 .

Fluid	: Compressed filtered air with or without lubrication
	If lubrication used at ones must be continious .
Pressure range	: max. 10 bar
Temperature range	: - 10 °C / + 110 °C
Version	: Magnetic , Cushioned ,Double acting (cushioning is optional for ISO 6432)

Materials

Covers	: 316 stainless steel
Barrel	: 316 stainless steel / 304 stainless steel for ISO 6432
Seals	: VITON
Bush	: Bronze
Piston Rod	: 316 stainless steel (lapped)
Screws and tie rods	: 316 stainless steel
Available diameters	: For ISO 15552 Ø 32 – 40 – 50 – 63 – 80 – 100 mm
	For ISO 6432 Ø 16 – 20 – 25 mm
Standart strokes	: 25 – 50 – 80 – 100 – 125 – 200 – 250 – 320 – 400 – 500 mm

ISO 15552 STAINLESS STEEL (SMS ... / ... CMYIN)

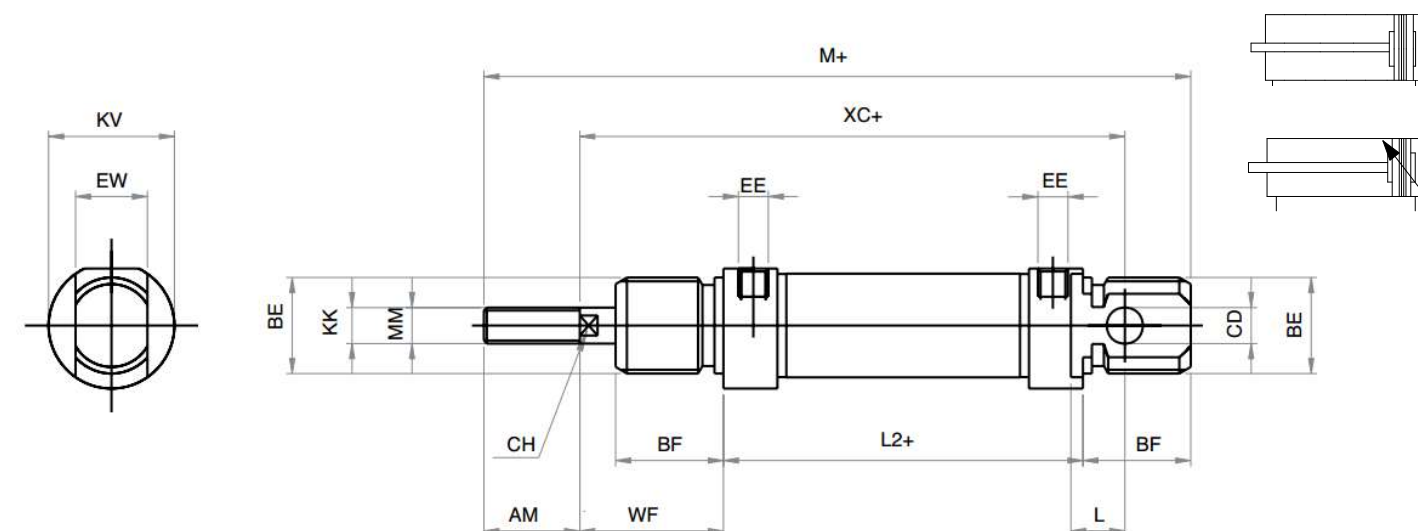


+ add stroke length

Ø	A	Ø B	Ø BA	BG	Ø D2	E	J2	J3	L2	L7	L8+	PL	RT	TG	VA	VD	WH
32	22	30	30	16	6	48	6,6	5,3	18	7,2	94	13	M6	32,5	4	5	26
40	24	35	35	16	6	52	8,5	5	22	9,2	105	14	M6	38	4	5	30
50	32	40	40	16	8	65	8	6	25,5	9	106	14	M8	46,5	4	6	37
63	32	45	45	16	8	75	10	6,5	26	9,5	121	16	M8	56,5	4	6	37
80	40	45	45	18	10	95	8	8	32	11	128	16	M10	72	4	7	46
100	40	55	55	18	10	115	15	7	38	12	138	18	M10	89	4	7	51

Ø	KK	EE	Ø MM	SW1	SW2
32	M10x1,25	G1/8"	12	10	17
40	M12x1,25	G1/4"	16	13	19
50	M16x1,5	G1/4"	20	17	24
63	M16x1,5	G3/8"	20	17	24
80	M20x1,5	G3/8"	25	22	30
100	M20x1,5	G1/2"	25	22	30

ISO 6432 STAINLESS STEEL (SMS ... / ... CM. IN)



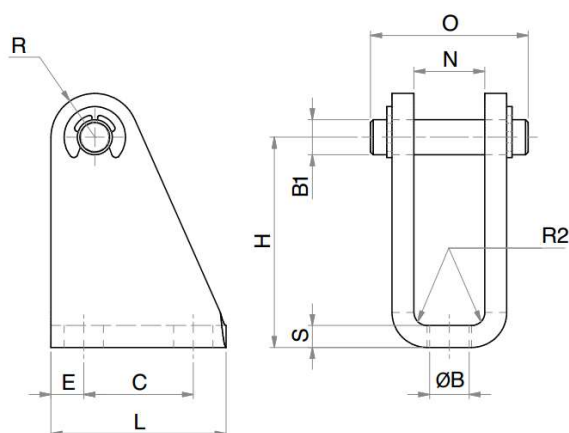
+ add stroke length

Ø	KK	MM	BE	EW	KV	CD	BF	EE
16	M6	6	M16x1,5	12	19	6	18	M5
20	M8	8	M22x1,5	16	27	8	20	1/8G
25	M10x1,25	10	M22x1,5	16	30	8	22	1/8G

Ø	WF	AM	M+	L	L2+	XC+	CH
16	22	16	109	9	53	82	5
20	24	20	131	12	67	95	7
25	28	22	140	12	68	104	9

Ø 16 , 20 / 25 mm FEMALE HINGE (SMS ... AKSINOXEB)

for ISO 6432

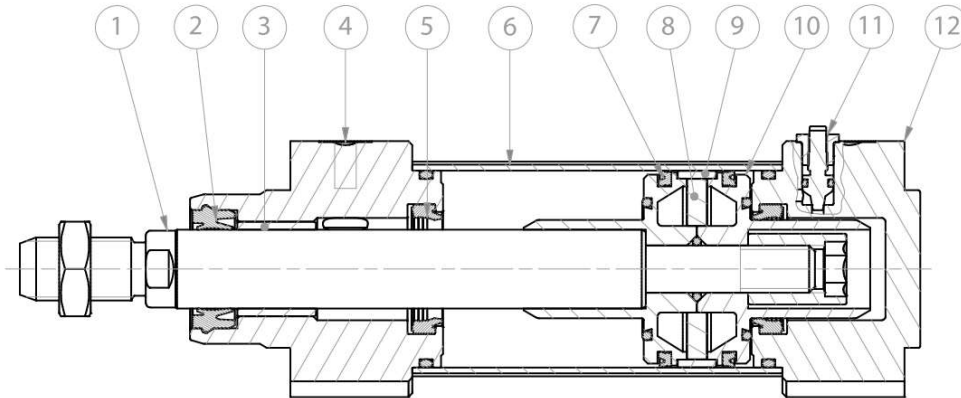


ORDERING CODES

Ø 16 mm	SMS016AKSINOXEB
Ø 20 / 25 mm	SMS025AKSINOXEB

Ø	L	H	B1	S	E	C	N	B	O	R	R2
16	25	27	6	3	5	15	12,1	5,5	24	7	1,5
20-25	32	30	8	4	6	20	16,1	6,6	31	10	2

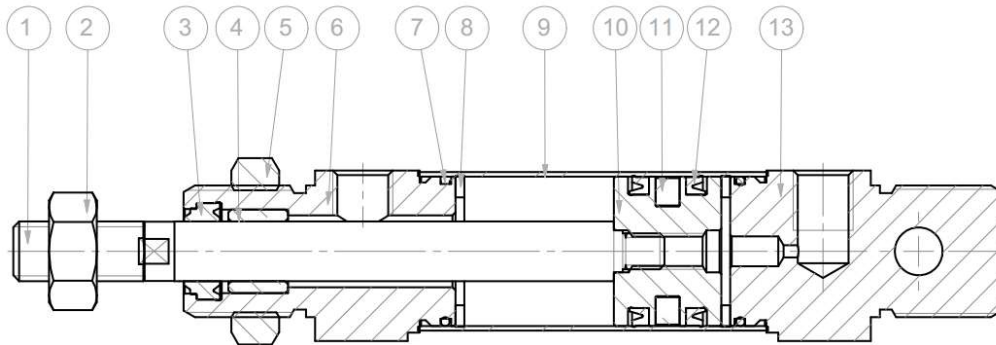
INTERNAL PARTS of the ISO 15552 CYLINDER



Ø 125 – Ø 160 – Ø 200 mm
Are specially designed
Please contact with the
sales department for the drawings.

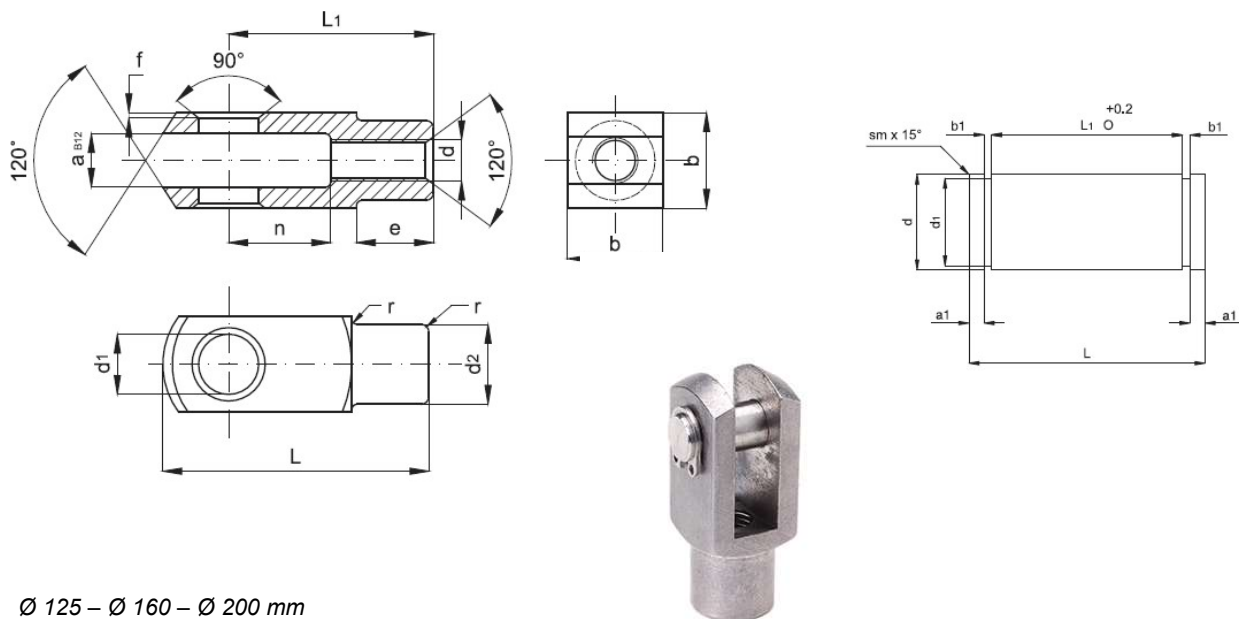
1. ROD .. Stainless steel 316
- 2 – 5 - 7 SEALS .. VITON
3. BUSH .. Bronze
4. COVERS .. Stainless steel 316
6. BODY (cylindrical) stainless steel 316
8. MAGNET elastic
9. GUIDE RING ptfе
10. PISTON die cast aluminium
11. CUSHIONING pneumatically

INTERNAL PARTS of the ISO 6432 CYLINDER



1. ROD .. AISI 316 stainless steel
- 2 – 5 NUTS AISI 304 stainless steel
- 3 – 7 – 12 SEALS VITON
4. BUSH sintered bronze
- 6 – 13 COVERS AISI 316
8. CUSHIONING elastic
9. TUBE AISI 304 stainless steel
10. PISTON Brass
11. MAGNET rubber

Ø 16 mm – Ø 100 mm CLEVIS (fork) ISO (SMS ... AKSINOXCB)



Ø 125 – Ø 160 – Ø 200 mm
Are specially designed
Please contac with the
sales department for the drawings.

ORDERING CODES

Ø 16 mm	SMS016AKS0000CB
Ø 20 mm	SMS020AKS0000CB
Ø 25 - 32 mm	SMS032AKS0000CB
Ø 40 mm	SMS040AKS0000CB
Ø 50 - 63 mm	SMS050AKS0000CB
Ø 80 - 100 mm	SMS080AKS0000CB

Clevis (fork) conforms to ISO 8140
standarts . Standart version , compleated
with rod and seagers .

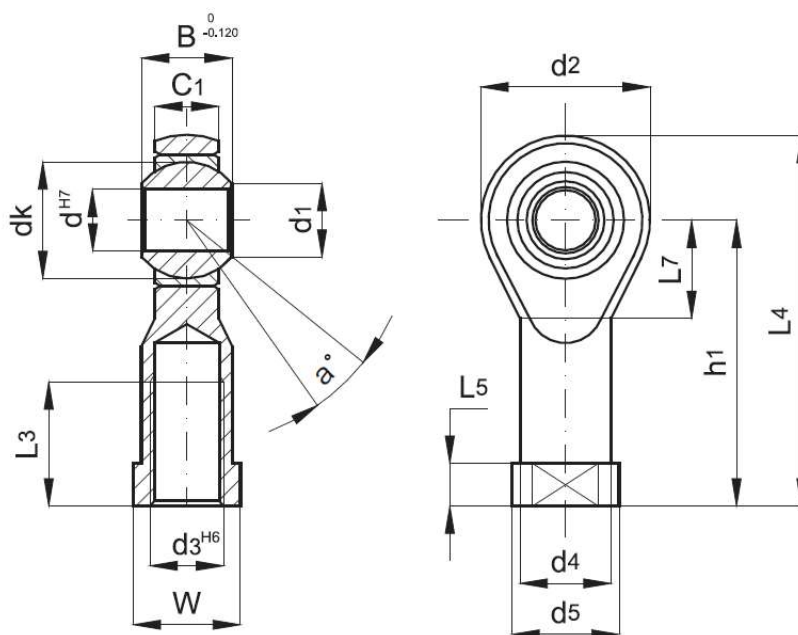
Materials ,

Body .. AISI 316 stainless steel
Rod & seagers AISI 316 stainless steel

Ø	a	a1	b1	b	d1	d3	L2	d2
16	6	1	1,1	12	6	...	16	10
20	8	1	1,1	16	8	...	22	14
25-32	10	1,5	1,1	20	10	9,6	25	18
40	12	2	1,1	24	12	11,5	30	20
50-63	16	2,4	1,1	32	16	15,2	39	26
80-100	20	2,9	1,3	40	20	19	48	34

Ø	e	f	L	L1	n	r	W (gr.)	d
16	9	0,5	31	24	12	0,5	19	M6x1
20	12	0,5	42	32	16	0,5	47	M8x1,25
25-32	15	0,5	52	40	20	0,5	89	M10x1,25
40	18	0,5	62	48	24	0,5	153	M12x1,25
50-63	24	1	83	64	32	1	320	M16x1,5
80-100	30	1	105	80	40	1	680	M20x1,5

Ø 16 mm – Ø 100 mm SPHERICAL JOINT (SMS ... AKS0000KG)



Ø 125 – Ø 160 – Ø 200 mm
Are specially designed
Please contac with the
sales department for the drawings.

ORDERING CODES

Ø 16 mm	SMS016AKSINOXKG
Ø 20 mm	SMS020AKSINOXKG
Ø 25 - 32 mm	SMS032AKSINOXKG
Ø 40 mm	SMS040AKSINOXKG
Ø 50 - 63 mm	SMS050AKSINOXKG
Ø 80 - 100 mm	SMS080AKSINOXKG

Self lubricating bearing heads servicing – free and
conforming to DIN – K and ISO 8139 standarts

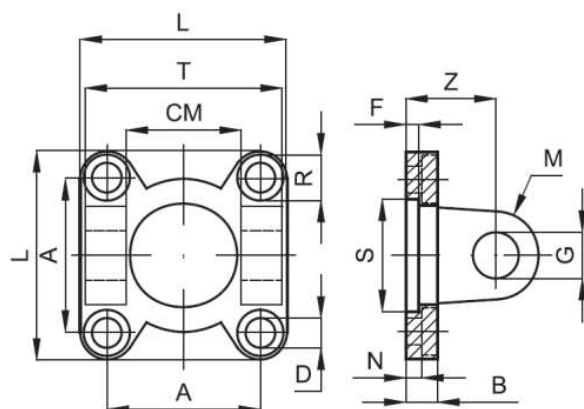
Material

Body .. AISI 304 stainless steel
Sphere .. AISI 304 stainless steel

Ø	d	d3	B	C1	d1	d2	d4	d5	dk	h1
16	6	M6	9	6,75	8,9	20	10	13	12,700	30
20	8	M8	12	9	10,4	24	12,5	16	15,875	36
25-32	10	M10x1,25	14	10,5	12,9	28	15	19	19,050	43
40	12	M12x1,25	16	12	15,4	32	17,5	22	22,225	50
50-63	16	M16x1,5	21	15	19,3	42	22	27	28,575	64
80-100	20	M20x1,5	25	18	24,3	50	27,5	34	34,925	77

Ø	L3	L4	L5	L7	W	load (daN)	a °
16	12	40	5	11	11	700	13
20	16	48	5	13	14	1200	14
25-32	20	57	6,5	15	17	1400	13
40	22	66	6,5	17	19	1900	13
50-63	28	85	8	23	22	4800	15
80-100	33	102	10	27	30	5200	14

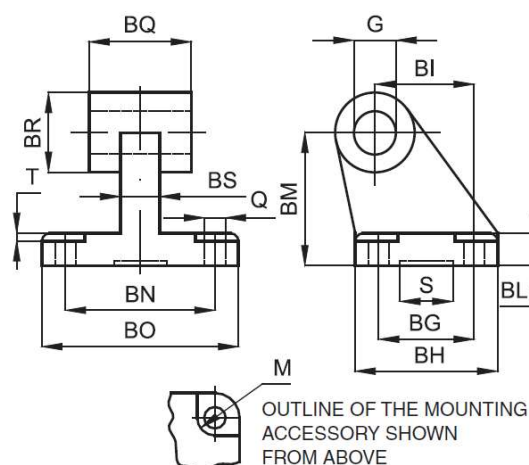
Ø 32 mm – Ø 100 mm FEMALE HINGE (SMS . . . AKSINOXEB)



Ø 125 – Ø 160 – Ø 200 mm
Are specially designed
Please contac with the
sales department for the drawings.

Ø	A	L	D	R	N	B	S	F	Z	G	M	CM	T
32	32,5	45	6,6	11	5,5	10	30	5	22	10	10	26	45
40	38	55	6,6	11	5,5	10	35	5	25	12	12	28	52
50	46,5	65	9	15	6,5	10	40	5	27	12	12	32	60
63	56,5	75	9	15	6,5	12	45	5	32	16	16	40	70
80	72	95	11	18	10	14	45	...	36	16	16	50	90
100	89	115	11	18	10	16	55	...	41	20	20	60	110

Ø 32 mm – Ø 100 mm MALE HINGE (SMS . . . AKSINOXYB)



Ø 125 – Ø 160 – Ø 200 mm
Are specially designed
Please contac with the
sales department for the drawings.

Ø	Q	M	BG	BH	BI	BL	BM	BN	BO	BS	BR	BQ	G	T	S
32	6,6	11	18	31	21	8	32	38	51	10	20	26	10	1,6	20
40	6,6	11	22	35	24	10	36	41	54	10	22	28	12	1,6	20
50	9	15	30	45	33	12	45	50	65	14	26	32	12	1,6	20
63	9	15	35	50	37	12	50	52	67	14	30	40	16	1,6	20
80	11	18	40	60	47	14	63	66	86	18	30	50	16	2,5	20
100	11	18	50	70	55	15	71	76	96	20	36	60	20	2,5	20

SEMATİK

LTD. ŞTİ.

DARÜLACEZE CAD. PERPA TİCARET MERKEZİ
B BLOK KAT 11 No. 1639 OKMEYDANI / İSTANBUL
TÜRKİYE

TEL : 0090 212 221 27 80

www.sematik.tr
sematik@sematik.tr

HAZİRAN 2025 / JUNE 2025