



KOMPAK SERİ

KIZAKLI SİLİNDİRLER

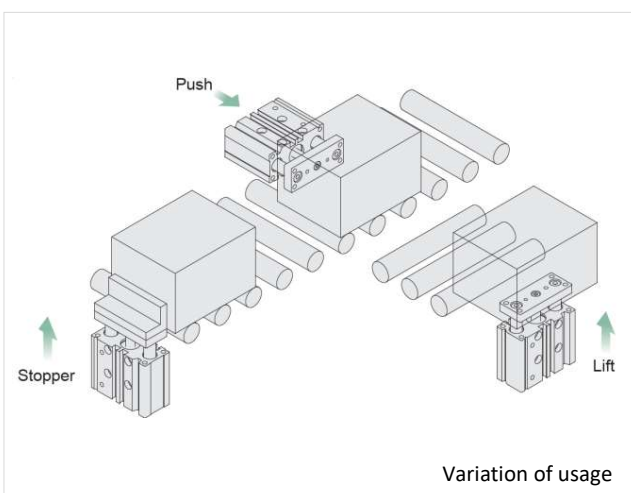
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SEMAK[®]MATIC
PNEUMATIC EQUIPMENTS

COMPACT SERIE with GUIDING UNIT



- ❑ Environmental component without pollutants.
- ❑ Use standart tool maintain piston rod.
- ❑ Light weight / save resources .
- ❑ Higher withstand load performance than conventional products .
- ❑ Sensor can be mounted on two sides .
- ❑ Piston speed range between 50 – 200 mm / sec.
- ❑ Suitable for high speed applications .
- ❑ Rubber bumper on both hands .



ORDERING CODE

ordering code with spherical bearing : SMS ... / CMOKI

ORDERING CODE FOR SENSOR

ordering code for 2 wire sensor : SMSS5V0230ACDC0

ordering code for 3 wire PNP sensor : SMSS5V030PNPDC0

For the sensor details please see page 1.92

For Ø 16 – 25 mm min. stroke is 30 mm

For Ø 32 – 40 – 50 – 63 mm min stroke is 25 mm

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 / + 50 °C

Version : Magnetic , Non cushioned , Double acting

Materials

Guide plate : Steel (white galvanized)

Body : Anodized aluminium

Seals : Nbr seals

Bush : Spherical bearings

Piston Rod : C45 Chromed steel

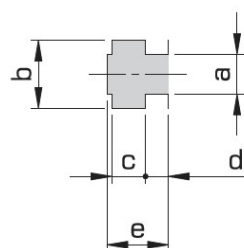
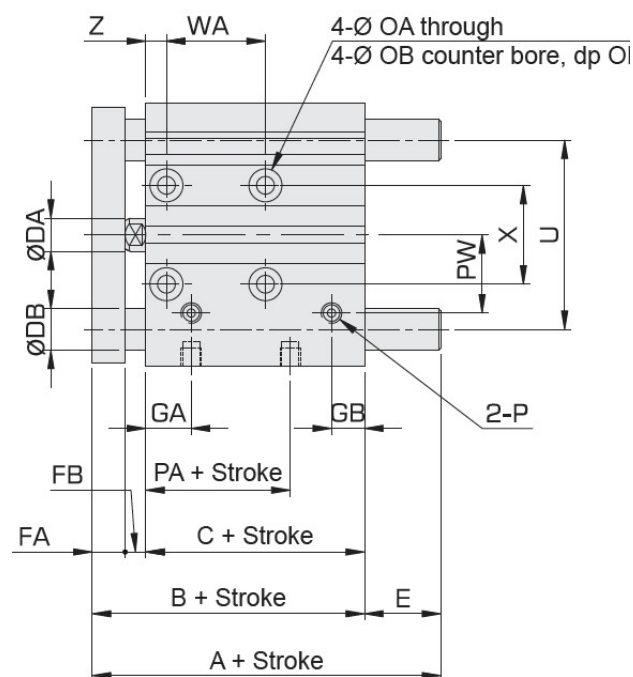
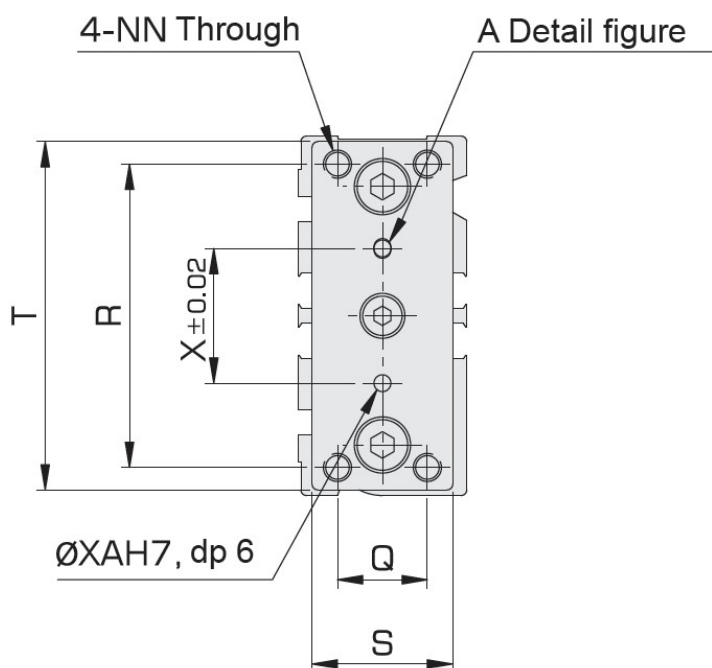
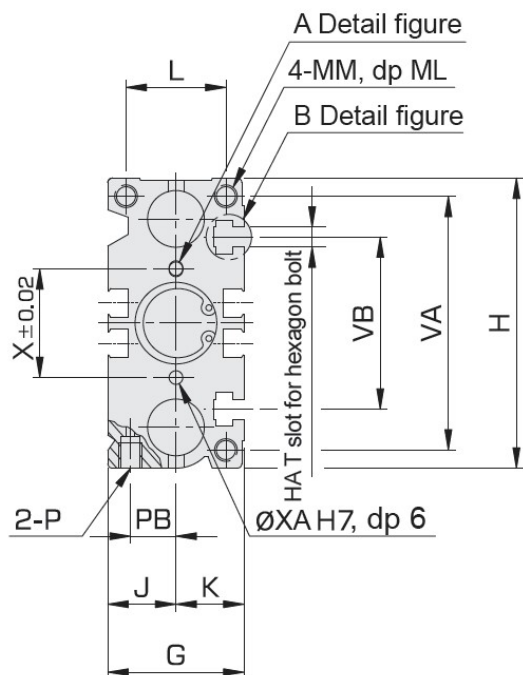
Guide rods : Hardened steel for spherical bearing application

Available series : With spherical bearing

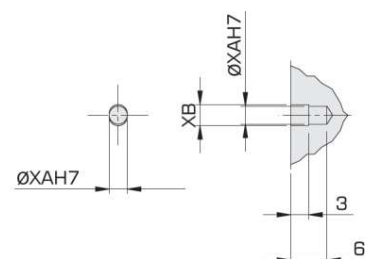
Standart diameters : Ø 16 mm – Ø 25 mm – Ø 32 mm – Ø 40 mm – Ø 50 mm – Ø 63 mm

Standart strokes : 25 mm - 30 mm – 50 mm – 75 mm – 100 mm – 150 mm – 200 mm

DIMENSIONS for Ø 16 mm – 25 mm



B Detail figure, scale 2:1



A Detail figure, scale 2:1

Ø	a	b	c	d	e
16	4,4	7,4	3,7	2,5	6,7
25	5,4	8,4	4,5	3	8,2

Ø	A (+ stroke)			DB	E		
	30	50 - 75	100		30	50 - 75	100
16	49,0	65,0	65,0	8,0	3,0	19,0	49,0
25	69,5	85,5	85,5	13,0	16,0	32,0	32,0

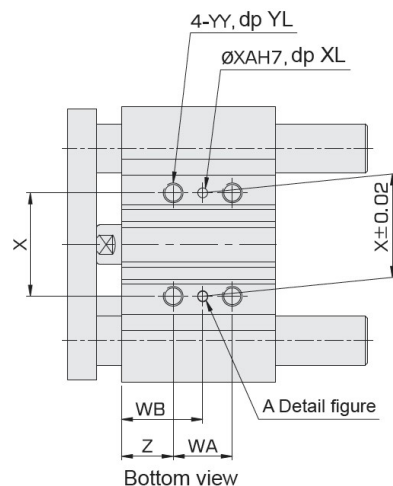
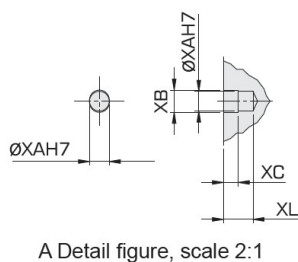
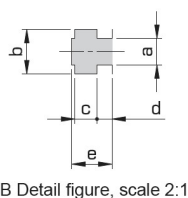
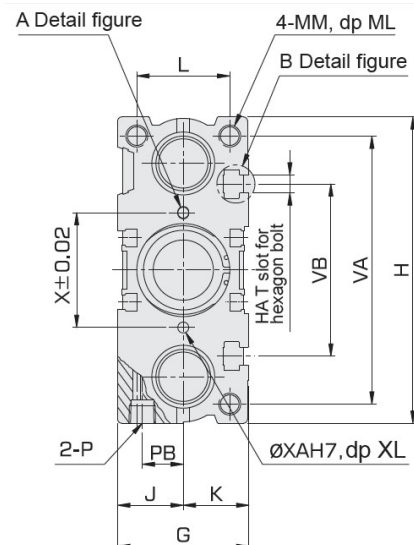
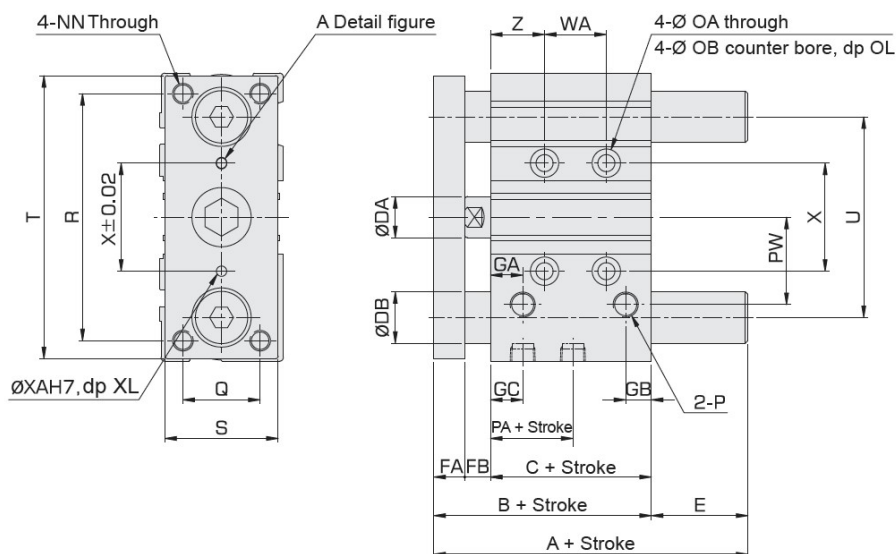
Ø	WA			WB			MM	NN	YY	P
	30	50 - 75	100	30	50 - 75	100				
16	24	44	44	17	27	27	M5x0,8	M5x0,8	M5x0,8	M5x0,8
25	24	44	44	29	39	39	M6x1.0	M6x1.0	M6x1.0	Rc1/8

Ø	Q	R	S	T	U	VA	VB	X	XA	XB	YL	Z	OL	PA	PB	PW
16	16	54	25	62	46	56	38	24	3	3,5	10	5	4,5	15	10	19
25	26	78	38	91	64	82	50	34	4	4,5	12	17	5,5	12,5	13,5	28,5

Ø	B	C	DA	FA	FB	G	GA	GB	H	HA	J	K	L	ML	OA	OB
16	46	33	8	8	5	30	11	9,5	64	M4	15	15	22	12	4,3	8
25	53.5	37.5	12	11	5	42	11,5	11	93	M5	21	21	30	15	5,3	9,5

COMPACT SERIE with GUIDING UNIT

DIMENSIONS for Ø 32 mm – 40 mm - 50 mm - 63 mm



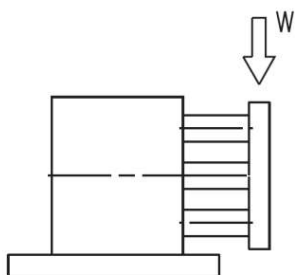
Ø	a	b	c	d	e
32	6,5	10,5	5,5	3,5	9,5
40	6,5	10,5	5,5	4,0	11,0
50	8,5	13,5	7,5	4,5	13,5
63	11,0	17,8	10,0	7,0	18,5

Ø	A			DB	E			YY	P	WA			WB			MM
	25 - 50	75 - 100	150 - 200		25 - 50	75 - 100	150 - 200			25	50 - 100	150 - 200	25	50 - 100	150 - 200	
32	81	98	118	16	21,5	38,5	58,5	M8x1,25	Rc1/8	24	48	124	33	45	83	M8x1,25
40	81	98	118	16	15	32	52	M8x1,25	Rc1/8	24	48	124	34	46	84	M8x1,25
50	93	114	134	20	21	42	62	M10x1,5	Rc1/4	24	48	124	36	48	86	M10x1,5
63	93	114	134	20	16	37	57	M10x1,5	Rc1/4	28	52	128	38	50	88	M10x1,5

Ø	R	S	T	U	VA	VB	X	XA	XB	XC	XL	YL	Z	ML	OA	OB	OL
32	96	44	110	78	98	63	42	4	4,5	3	6	16	21	20	6,6	11	7,5
40	104	44	118	86	106	72	50	4	4,5	3	6	16	22	20	6,6	11	7,5
50	130	60	146	110	130	92	66	5	6	4	8	20	24	22	8,6	14	9,5
63	130	70	158	124	142	110	80	5	6	4	8	20	24	22	8,6	14	9,5

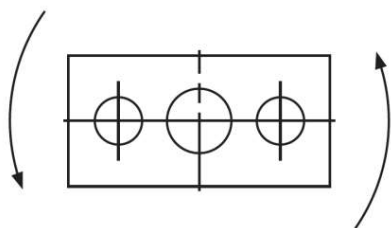
Ø	B	C	DA	FA	FB	G	GA	GB	H	HA	J	K	L	PA	GC	PB	PW	Q
32	59,5	37,5	16	12	10	48	12,5	11,5	112	M6	24	24	34	7	12,5	15	34	30
40	66	44	16	12	10	54	14	12	120	M6	27	27	40	13	14	18	38	30
50	72	44	20	16	12	64	14	13	148	M8	32	32	46	9	12	21,5	47	40
63	77	49	20	16	12	78	16,5	14	162	M10	39	39	58	14	16,5	28	58	50

MAX. APPLICABLE LOADS (kg.)



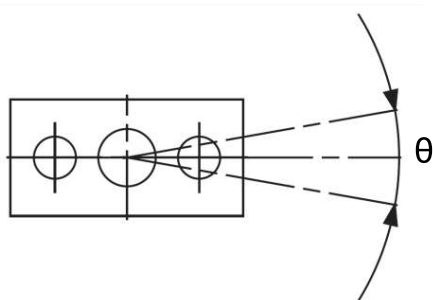
Ø mm / stroke	30 mm	50 mm	75 mm	100 mm	150 mm
16	3,2	2,8	2,5	1,1	
25	5,2	4,5	3,8	2,5	1,5
32	7,2	5,8	4,3	3,2	2,4
40	8,4	6,5	5,4	4,3	3,1
50	9,0	7,3	6,2	5,1	4,0
63	9,8	7,8	6,9	5,4	4,8

MAX. APPLICABLE TORQUE (Nm)



Ø mm / stroke	30 mm	50 mm	75 mm	100 mm	150 mm	200 mm
16	0,59	0,86	0,65	0,52		
25	2,11	3	2,38	1,97	1,78	1,41
32	5,95	4,89	5,11	4,51	5,79	4,93
40	6,55	5,39	5,62	4,96	6,38	5,43
50	9,71	7,62	9,83	8,74	10,7	9,12
63	10,2	8,48	11	9,74	11,9	10,2

NON ROTATING ACCURACY of PLATE (θ°)



Ø mm	θ
16	+/- 0,10 °
25	+/- 0,09 °
32	+/- 0,08 °
40	+/- 0,08 °
50	+/- 0,06 °
63	+/- 0,06 °

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