



KOMPAK SERİ

ÇİFT PİSTONLU SİLİNDİRLER

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SEMAK[®]MATIC
PNEUMATIC EQUIPMENTS

TWIN PISTON



Twin Piston

- ☐ Suitable for non rotating applications .
- ☐ Twin piston makes double the force .
- ☐ Adjustable screw at the top provides a 5 mm range of stroke .
- ☐ Unlubricated seals and bushes for durable performance .
- ☐ Easy proximity switches installation .
- ☐ Sensor groove , on both side . (not for Ø 10 mm)

Recommended max . speed of the products with proper loads are ,

For Ø 10 mm .. 600 mm /sec.
For Ø 16 mm .. 600 mm /sec.
For Ø 25 mm .. 500 mm /sec
For Ø 32 mm .. 500 mm /sec.

ORDERING CODES

ordering code for Ø 10 mm * 2	: SMS010 / CMOCP
ordering code for Ø 16 mm * 2	: SMS016 / CMOCP
ordering code for Ø 25 mm * 2	: SMS025 / CMOCP
ordering code for Ø 32 mm * 2	: SMS032 / CMOCP

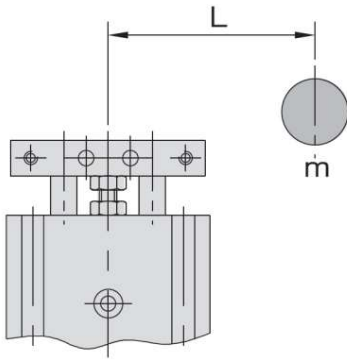
ORDERING CODE FOR SENSOR

ordering code for 2 wire sensor	: SMSS5V0230ACDC0
ordering code for 3 wire PNP sensor	: SMSS5V030PNPDC0

For the sensor details please see page 1.92

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 , Double acting
Materials	
Piston Rods	: Stainless steel 303
Body	: Anodized aluminium
Mounting plate	: Aluminium
Guide	: Bronze bushing
Seals	: NBR
Static cushioning	: Pu bumpers
Piston type	: Twin piston double the force
Standart diameters	: Ø 10 mm * 2 - Ø 16 mm * 2 - Ø 25 mm *2 – Ø 32 mm * 2
Standart strokes	: 20 mm - 50 mm - 75 mm – 100 mm

Max. LOADS for sample mounting M (kg.)

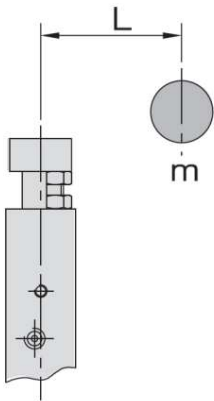


For L = 50 mm , V= 100mm / sec

Ø mm / stroke	20 mm	50 mm	75 mm	100 mm
10 mm * 2	0,5	0,4	0,3	0,2
16 mm * 2	0,7	0,6	0,5	0,4
25 mm * 2	1	0,8	0,7	0,5
32 mm * 2	2	1,8	1,5	1,2

* Please see the value " C " at the related page

Max. LOADS for sample mounting M (kg.)

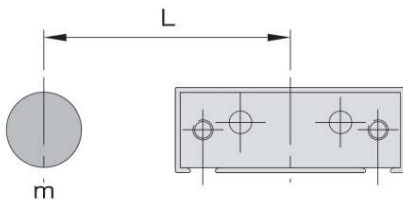


For L = 50 mm , V= 100mm / sec

Ø mm / stroke	20 mm	50 mm	75 mm	100 mm
10 mm * 2	0,25	0,2	0,15	0,1
16 mm * 2	0,35	0,3	0,25	0,2
25 mm * 2	0,5	0,4	0,35	0,25
32 mm * 2	1	0,9	0,75	0,6

* Please see the value " C " at the related page

Max. LOADS for sample mounting M (kg.)



For L = 50 mm , V= 100mm / sec

Ø mm / stroke	20 mm	50 mm	75 mm	100 mm
10 mm * 2	0,2	0,15	0,1	0,1
16 mm * 2	0,3	0,25	0,2	0,15
25 mm * 2	0,4	0,3	0,25	0,2
32 mm * 2	0,7	0,6	0,6	0,4

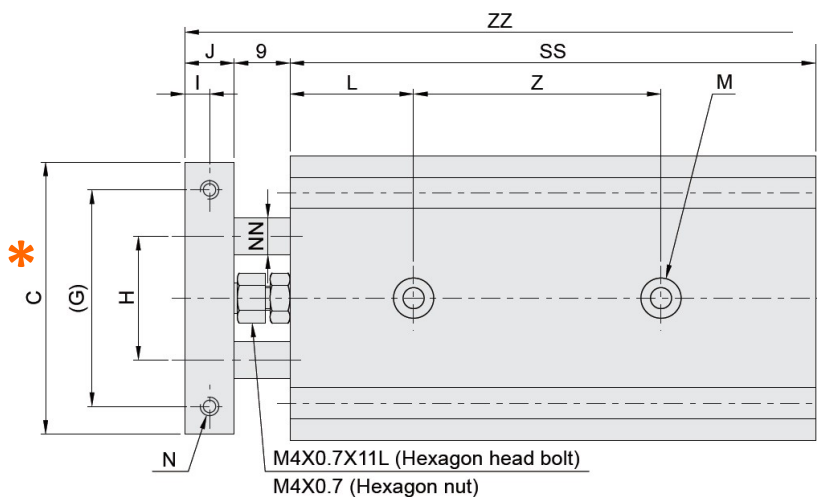
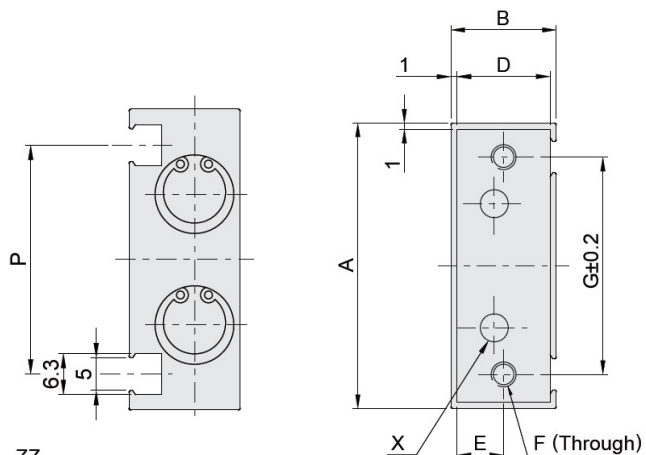
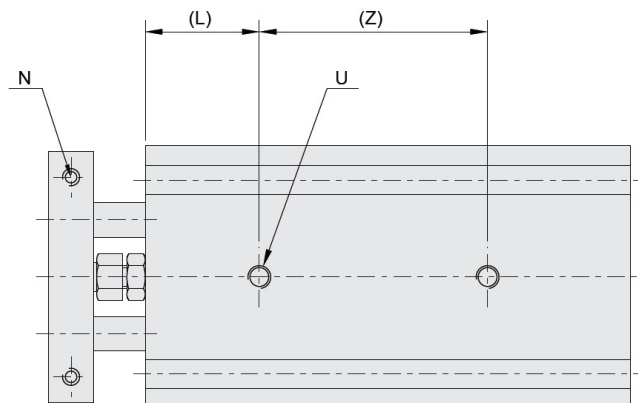
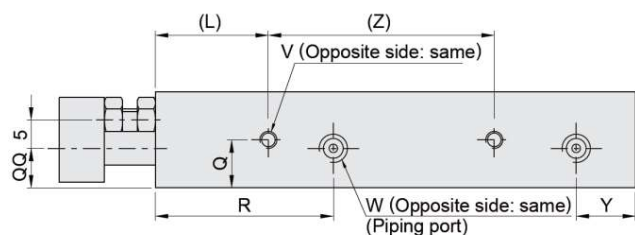
* Please see the value " C " at the related page

TWIN PISTON

DIMENSIONS for Ø 10 mm * 2 / Ø 16 mm * 2

Theoretical output (kg.) (thrust / traction)

Ø mm / bar	3 bar	5 bar
10 mm * 2	4,7 / 3	7,8 / 5
16 mm * 2	10,6 / 7,5	12,6 / 31,5



Ø	A	B	C	D	E	G	H	I	J	L	NN	P	Q	QQ	R	Y
10 mm	46	17	44	15	7,5	35	20	4	8	20	ø 6	35	8,5	7	31,5	9,5
16 mm	58	20	56	18	9	45	25	5	10	30	ø8	48	10	10	39,5	9

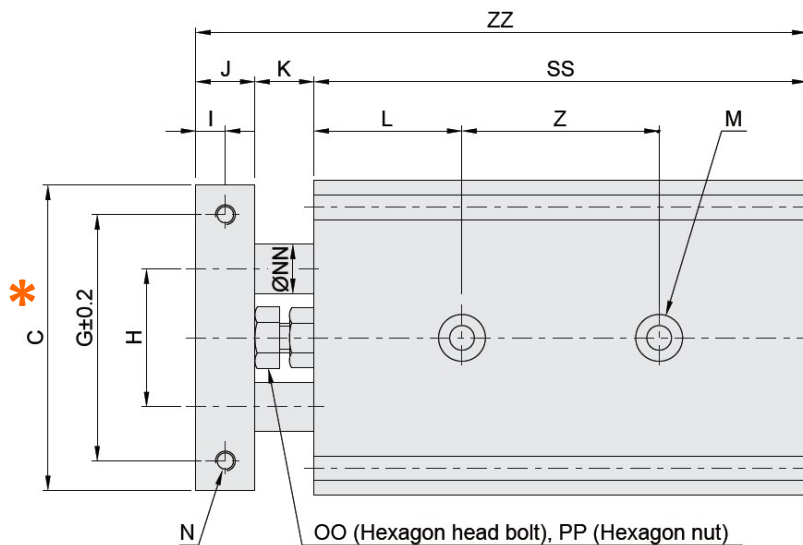
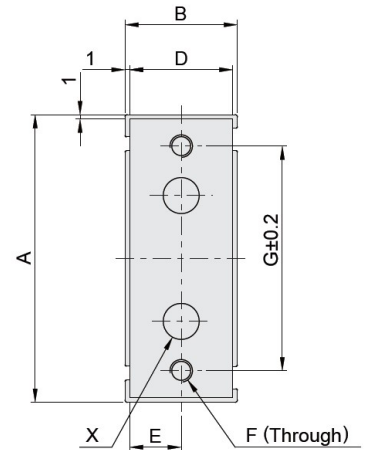
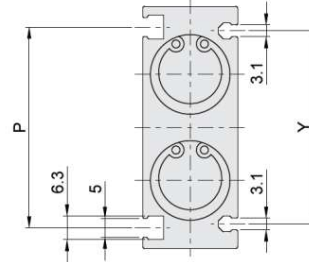
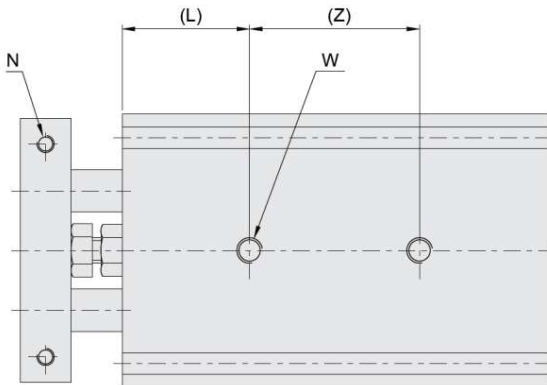
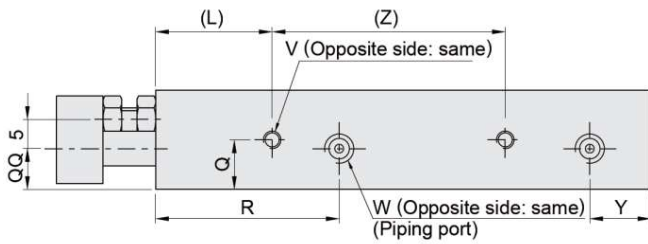
Ø	F	M	N	V	W	U
10 mm	2 - M4x0,7	2 - Ø 3,4 through 2 - Ø 6,5 counterbore	2 - M3x0,5	2 - M3x0,5	4 - M5x0,8	2 - M4x0,7
16 mm	2 - M5x0,8	2 - Ø 4,3 through 2 - Ø 8 counterbore	2 - M4x0,7	4 - M4x0,7	4 - M5x0,8	2 - M5x0,8

Ø	SS				Z				ZZ			
	20	50	75	100	20	50	75	100	20	50	75	100
10 mm	75	105	130	155	30	40	50	60	92	122	147	172
16 mm	80	110	135	160	25	35	45	55	99	129	154	179

DIMENSIONS for Ø 25 mm * 2 / Ø 32 mm * 2

Theoretical output (kg.) (thrust / traction)

Ø mm / bar	3 bar	5 bar
25 mm * 2	29,5 / 22,7	49 / 37,8
32 mm * 2	48,2 / 36,2	80,4 / 60,3



Ø	A	B	C	D	E	G	H	I	J	K	L	NN	P	R	T	TT	U	Y	Q	QQ
25	80	30	78	28	14	60	35	6	12	12	30	Ø12	64	48	13	9	10	62	8,5	15
32	98	38	96	36	18	75	44	8	16	14	30	Ø16	76	57,5	20	11,5	10,5	74	9	19

Ø	F	M	N	OO	PP	UU	V	W
25	2 - M6x1	2 - Ø 6.9 through	2 - M5x0,8	M6x1,0	M6x1,0	4 - PT 1/8"	8 - M5x0,8	2 - M8x1,25
32	2 - M6x1	2 - Ø 11 counterbore	2 - M5x0,8	M8x1,25	M8x1,25	4 - PT 1/8"	8 - M5x0,8	2 - M8x1,25

Ø	SS				Z			ZZ			
	20	50	75	100	20	50	75/100	20	50	75	100
25	92	122	147	172	30	40	60	116	146	171	196
32	102	132	157	182	40	50	70	132	162	187	212

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