



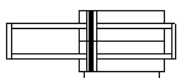
KOMPAK SERİ

ÇİFT PİSTONLU KAYAR SİLİNDİRLER

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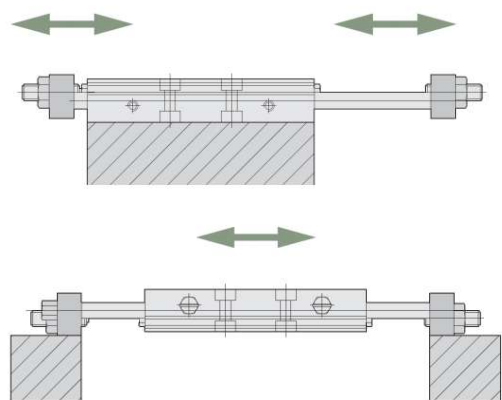
SEMAK[®]MATIC
PNEUMATIC EQUIPMENTS

TWIN piston SLIDING UNIT



Twin Piston
Twin sliding unit

- ❑ Multi axes application product .
- ❑ Twin piston makes double the force .
- ❑ Adjustable screws at both end provides a wider range of stroke .
- ❑ Unlubricated seals and bushes for durable performance .
- ❑ Suitable for precise automation .
- ❑ Easy proximity switches installation .
- ❑ Parallel piston rods prevents rotation movements.
- ❑ Suitable for dynamic shock absorber applications (optional)
- ❑ Sensor groove , on both sides .



Mounting applications

ORDERING CODES

ordering code for Ø 16 mm * 2 : SMS016 / CMOKP
ordering code for Ø 25 mm * 2 : SMS025 / CMOKP

ORDERING CODE FOR SENSOR

ordering code for 2 wire sensor : SMSS5V0115ACDC3
(TYPE 3) (V shape)

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 , cushioned (with shock absorber), Double acting

Materials

Piston Rods : Hardened C 45

Body : Anodized aluminium

Mounting plates : Steel

Guide : Bronze bushing

Seals : NBR

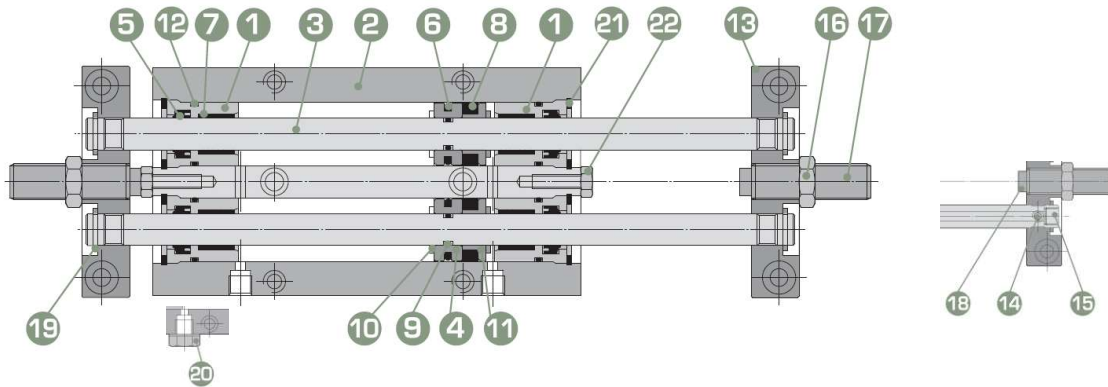
Static cushioning : Pu bumpers

Magnet : Synthetic rubber

Standart diameters : Ø 16 mm - Ø 25 mm

Standart strokes : 50 mm - 100 mm – 150 mm – 200 mm

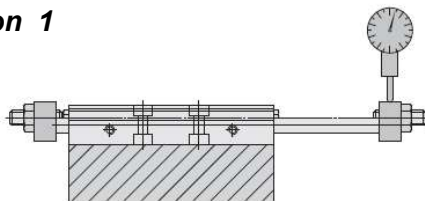
INTERNAL PARTS for Twin piston SLIDING UNIT



- | | | |
|---|----------------------------|----------------------------|
| 1. FRONT END COVER Anodized aluminium | 8. MAGNET Resinous magnet | 15. SCREW carbon steel |
| 2. BARREL hard anodized aluminium alloy | 9. PISTON ROD O – RING Nbr | 16. SCREW NUT carbon steel |
| 3. PISTON ROD Cr 45 steel | 10. SNAP RING SK5M | 17. ADJUSTIBLE SCREW |
| 4. PISTON aluminium alloy | 11. COLLAR aluminium alloy | 18. BUMPER |
| 5. PISTON ROD SEAL Nbr | 12. END COVER SEAL nbr | 19. SNAP RING SK5M |
| 6. PISTON Seal Nbr | 13. END PLATE S45C | 20. SCREW PLUG |
| 7. BUSH Sintered Bronze | 14. STEEL BALL | 21. SNAP RING SK5M |
| | | 22. MOUNTED SCREW |

BENDINGS against load (Kg. f)

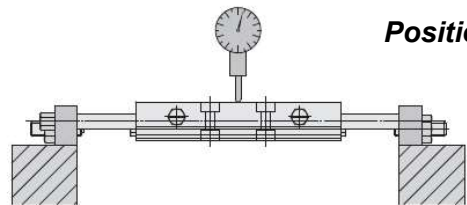
Position 1



Ø	Load (kg. f)	Stroke	
		100	200
16 mm	0,5	0,07	0,44
	1	0,15	0,88
	1,5	0,22	1,32
25 mm	1	0,03	0,18
	1,5	0,05	0,27
	2,5	0,08	0,45

Sample : Ø 16 - 100 mm stroke with 500 gr vertical load
max. bending is 0,07 mm . (for position 1)

Position 2

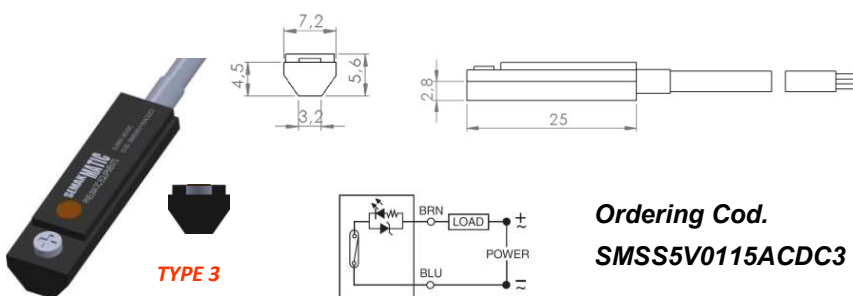


Ø	Load (kg. f)	Stroke	
		100	200
16 mm	1	0,02	0,12
	2	0,05	0,25
	3	0,07	0,37
25 mm	2	0,01	0,05
	3	0,01	0,08
	5	0,02	0,13

Sample : Ø 25 - 200 mm stroke with 2 kg vertical load
max. bending is 0,05mm . (for position 2)

Recommended max. load for safety applications (pos. 1 & pos. 2) : Ø 16 mm max. 0,5 kg and for Ø 25 mm max. 1 kg.

TYPE 3 SENSOR



Ordering Cod.
SMSS5V0115ACDC3

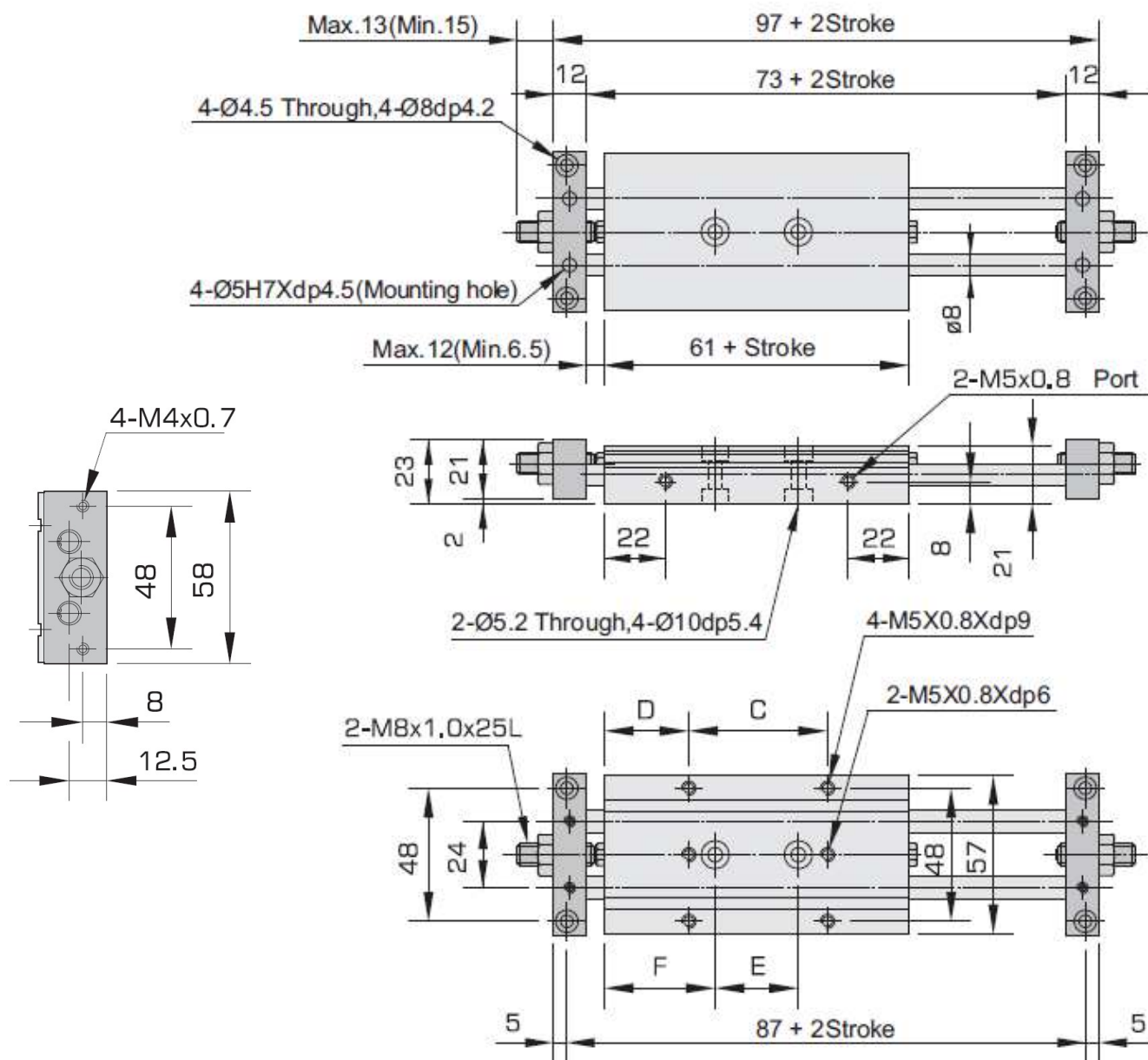
Circuit	: Reed 2 wire
Switching	: Normally open N.O.
Voltage	: 4 – 240 v ac / dc
Switching current	: 5 – 40 mA max. .
Voltage drop	: 2,5 V max.
Led color	: Red
Cable	: Ø 2,8 mm Grey color

TWIN piston SLIDING UNIT

DIMENSIONS for Ø 16 mm * 2

Theoretical output (kg.) (thrust / traction)

Ø mm / bar	3 bar	5 bar
16 mm * 2	9	15

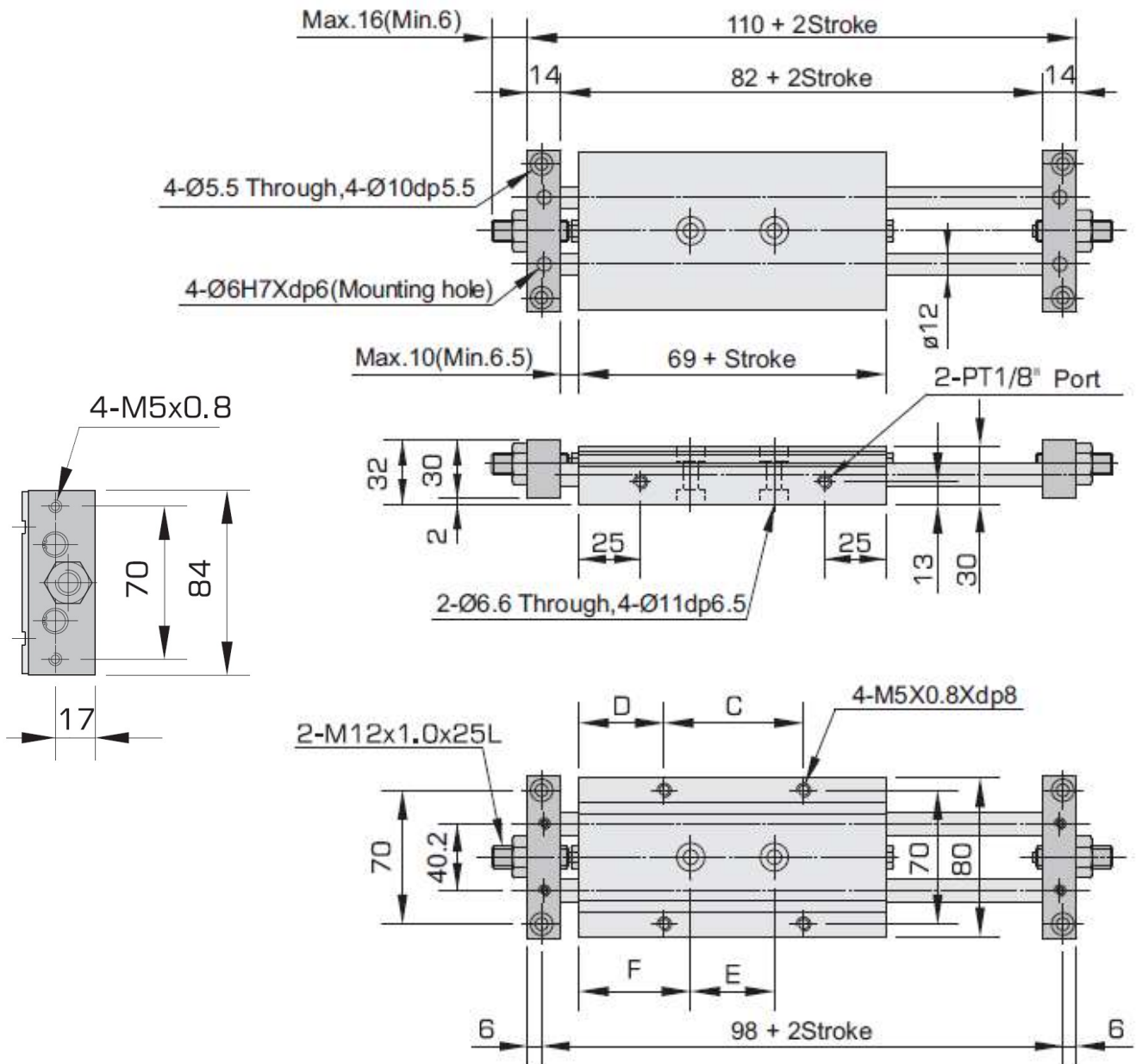


Ø 16 stroke	C	D	E	F
50	50	30,5	30	40
100	100	30,5	70	45,5
150	120	45,5	90	60,5
200	120	70,5	90	85,5

DIMENSIONS for Ø 25 mm * 2

Theoretical output (kg.) (thrust / traction)

Ø mm / bar	3 bar	5 bar
25 mm * 2	23	38



Ø 25 stroke	C	D	E	F
50	50	34,5	45	37
100	100	34,5	70	49,5
150	100	59,5	100	59,5
200	100	84,5	100	84,5

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