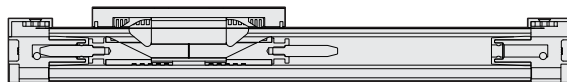
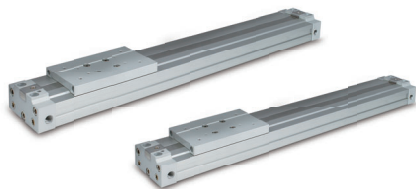


PRE series - Oval rodless cylinder

Operation specification and Order expression

Internal structure



Theoretical force

Unit : kgf

Bore size mm	Action	Piston area cm ²	Air pressure (kgf/cm ²)						
			1	2	3	4	5	6	7
Ø20	Push	3.14	—	6.3	9.45	12.6	15.75	18.9	22.05
Ø25	Push	4.9	—	10.06	15.09	20.12	25.15	30.18	35.21
Ø32	Push	8.0	—	16.8	24.12	32.16	40.2	48.24	56.28
Ø40	Push	12.5	—	25.4	38.1	50.8	63.5	76.2	88.9

Note : Above are theoretical Data : please take into consideration the frictional resistance and the mechanical efficiency of value should be added calculation before using. (About 70%~80%)

Specification

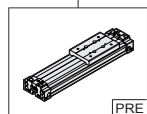
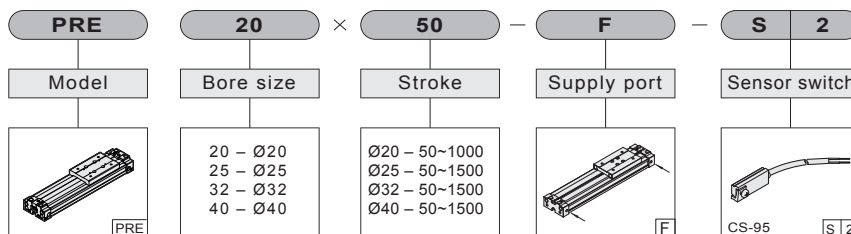
Item	Bore size (mm)	Ø20	Ø25	Ø32	Ø40
Operation		Double acting			
Fluid		Air			
Pressure range	kgf/cm ² (kPa)	1.5 ~ 7 (150 ~ 700)			
Max. service pressure	kgf/cm ² (kPa)	8 (800)			
Temperature	°C	0 ~ 60			
Range of service speed	mm/sec	50 ~ 500			
Lubrication		Free			
Cushion device		Pressure cushion			
Port size		M5	PT 1/8"		PT 1/4"
Magnet device		With magnet			

Standard weight

Unit : kg

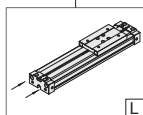
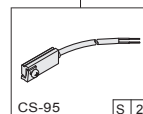
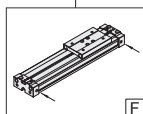
Bore size	Stroke	The weight for each additional stroke
Ø20	0.3	0.16
Ø25	0.6	0.23
Ø32	1.3	0.37
Ø40	1.9	0.49

How to order



20 - Ø20
25 - Ø25
32 - Ø32
40 - Ø40

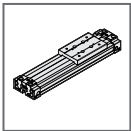
Ø20 - 50~1000
Ø25 - 50~1500
Ø32 - 50~1500
Ø40 - 50~1500



CS-95 S 2

None :
Without Sensor switch
S : Sensor switch code
(CS-95)
2 : Number of Sensor switch

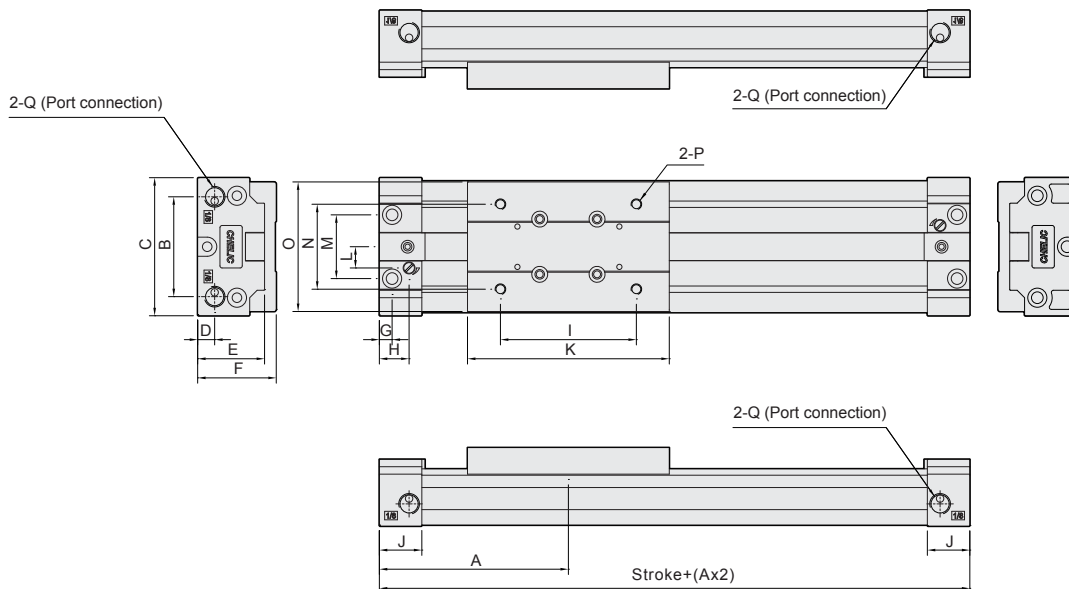
F : Supply port at long side
L : Supply port at short side



PRE series - Oval rodless cylinder

External dimensions

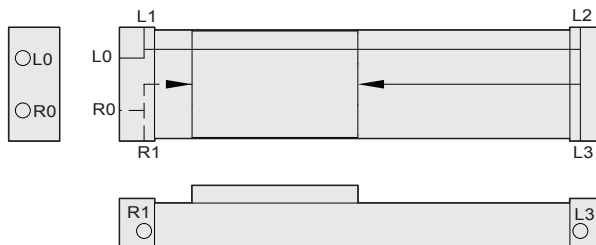
PRE Ø16 ~ Ø32

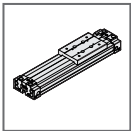


Model Bore Size	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
Ø20	74	35	53	7	28	32	3	11	54	15.5	80	10	23	30	50	M4×0.7P×8dp	M5×0.8P
Ø25	89	44	65	8	31.5	36.5	6	14	64	20	95	10	30	40	61	M5×0.8P×7dp	PT 1/8
Ø32	112.5	52	79	9	39	45	7	15.5	92	22.5	128	12	33	44	76	M5×0.8P×9dp	PT 1/8
Ø40	138	66	94	11	44.5	54	8.5	19	112	27	160	16	40	60	90	M6×1P×12dp	PT 1/4

Port Connection

- When Port R (R0, R1) are used for air supply, Port L (L0, L1, L2, L3) are used as air exhaust. And when Port L (L0, L1, L2, L3) are used for air supply, Port R (R0, R1) are used as air exhaust.
- Standard type: air supply ports are at the front (code F), and other ports will be blocked by screws. Please select code L for supply port at short side.

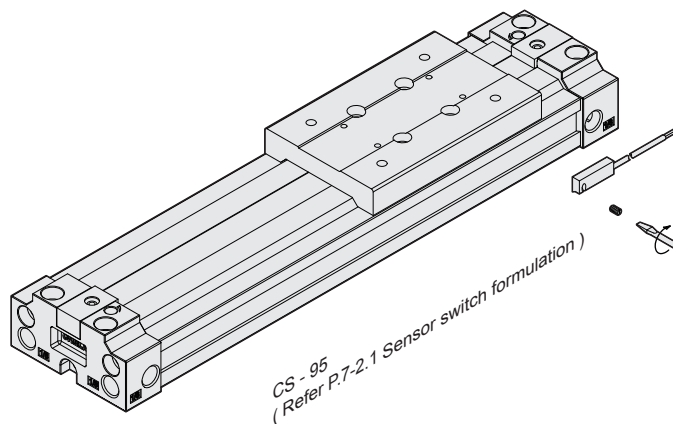




PRE series - Oval rodless cylinder

Sensor switch installation and Setting

◀ Sensor switch mounting type



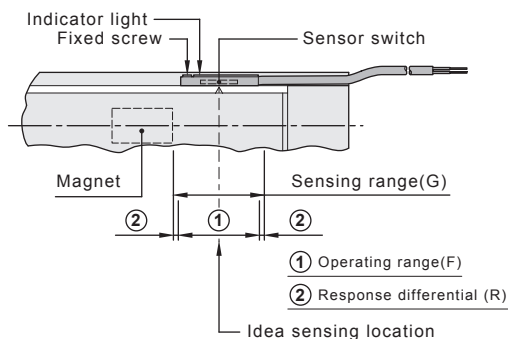
◀ Setting range

Sensor switch is fixed on the cylinder body. The magnetic piston head will activate the Sensor switch when it enters the operating range. It has 0.5mm differential.

◀ Operating range

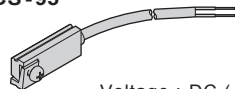
When piston head moves the switch setting and adjustment will be based on the responding range generated by the magnetic field and the switch. (Please refer to the below table)

● CS-95



◀ Connector type

CS - 95



Brown (+)
Blue(White) (-)

Voltage : DC (AC) 10 ~ 240 V (Normal open)
DC (AC) 10 ~ 150 V (Normal close)

Unit : mm

Model	CS - 95	
Bore size	Operating range (F)	Response differential(R)
Ø20	9.7	1.5
Ø25	6.5	2
Ø32	19.5	2.5
Ø40	22.5	2.5