

Compact Pneumatic Cylinder


Double Acting Ø 32mm - 100mm

Technical information (Guided Rod)

Operating Pressure: Max. 10 bar
Temperature range: -20°C...+80°C
Housing/end caps: Aluminium tube/die-cast aluminium.
Rod: Stainless steel.
Seals: PUR
Lubricant: Not required.
Operating medium: 5 micron filtered, lubricated or non-lubricated compressed air.



Other information:

 For ATEX certification use code "X" for example 19.X.144.XXX
 Sensors are available for this product, see data sheets TX1000/TX1001.
 Mountings are available for this product, see data sheet MS1001.

Piston dia. mm	Stroke mm	D	D1	D2	D4	D5	E1	F	F1	H	H1	H2	H3	L	L1	L2	L3	SW	Pe min./bar
32	5 - 300	12	5,5	M6	5	M5	G1/8	8	36,5	44,5	50,5	21,5	60,5	50	32	52	19,8	10	1,0
40	5 - 300	12	5,5	M6	5	M5	G1/8	8	37,5	45,5	52	21,5	62	60	42	62,5	23,3	10	1,0
50	10 - 300	16	6,5	M8	6	M6	G1/8	8	37,5	45,5	53	22	65	68	50	71	29,7	13	1,0
63	10 - 300	16	8,5	M10	6	M6	G1/8	8	42	50	57,5	24,5	69,5	87	62	91	35,4	13	1,0
80	10 - 400	20	8,5	M10	8	M8	G1/8	8,5	47,5	56	64	27,5	78	107	82	111	46	17	0,6
100	10 - 400	25	8,5	M10	10	M10	G1/4	10,5	56	66,5	76,5	32,5	90,5	128	103	133	56,6	22	0,6

Dimensional drawings & ordering information

Minimum/maximum strokes apply, see table.

To order: 19.144.XXX 32mm bore + stroke (Magnetic)
 19.244.XXX 40mm bore + stroke (Magnetic)
 19.344.XXX 50mm bore + stroke (Magnetic)
 19.444.XXX 63mm bore + stroke (Magnetic)
 19.544.XXX 80mm bore + stroke (Magnetic)
 19.644.XXX 100mm bore + stroke (Magnetic)

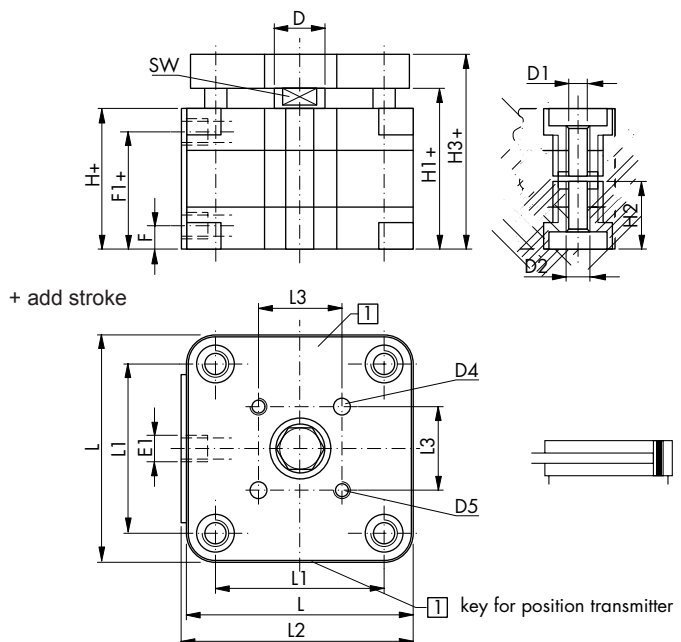
Non-magnetic versions are also available for example 19.X46.XXX

Seal kits (without magnet).

Order code: 19.108.11 32mm bore
 Order code: 19.208.11 40mm bore
 Order code: 19.308.11 50mm bore
 Order code: 19.408.11 63mm bore
 Order code: 19.508.11 80mm bore
 Order code: 19.608.11 100mm bore

Technical Data:

Piston dia. mm	Forward force		Return force	
	6 bar N _{max.}	6 bar N _{max.}	6 bar N _{max.}	6 bar N _{max.}
32	483	415		
40	754	686		
50	1178	1057		
63	1870	1749		
80	3016	2828		
100	4712	4418		



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