

AIR CYLINDER

Series A81, A82

Cat No A81, A82 - 01 - 01 - B

Single Acting Cylinder (Crimping Type) Front Spring (Ø12 to 25 mm)

As per ISO 6432 / CETOP RP52P standards

Features

- ☐ Elastomer end cushioning
- ☐ Wide varieties of mountings
- ☐ Low friction
- ☐ Long life



Technical Specifications

Cylinder bore Ø (mm)	12	16	20	25
Standard strokes * (mm)	10, 25, 50			
Medium	Compressed air - Filtered - Lubricated			
Working pressure (bar)	2 to 10			
Ambient temperature (C)	-10° to +60°			
Medium temperature (C)	+5° to +50°			
Materials of construction	Aluminium, Brass, Nitrile, Steel, Acetal, Polyurethane			
Mountings	Front foot mounting, Double foot mounting, Front flange, Rear flange, Front trunnion, Rear trunnion			
Accessories	Clevis foot bracket, Trunnion bracket, Rod end fork, Rod end aligner			

* For Non standard or longer stroke cylinders, contact your regional dealer or **JANATICS**

Note: Mountings and Accessories refer A51, A52 series.

Output force in N (1N = 0.1 kgf)

Cylinder bore Ø (in mm)	Rod Ø (in mm)		Working pressure in bar								
			2	3	4	5	6	7	8	9	10
12	6	Extend	13	23	33	43	53	63	73	83	93
16	6	Extend	22	40	58	76	94	112	130	148	166
20	8	Extend	36	64	92	120	149	176	204	234	262
25	10	Extend	34	78	122	166	210	254	298	342	386

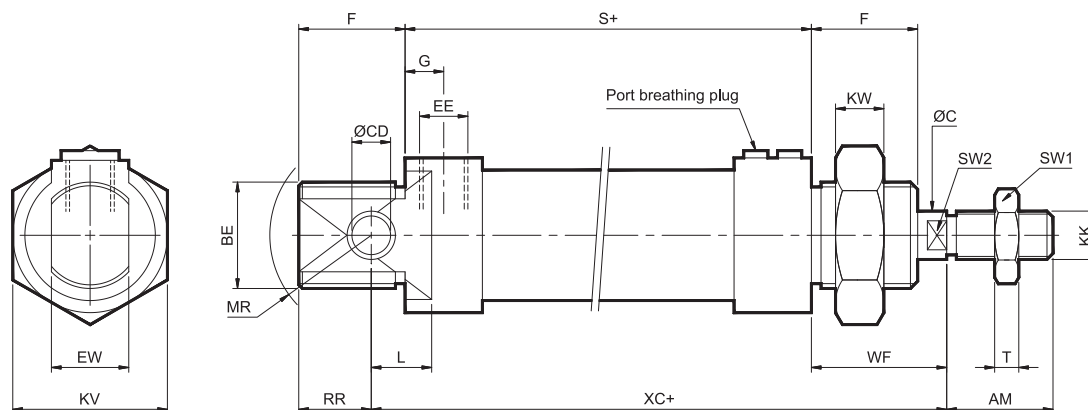
Note: Magnetic sensor details, refer enclosure Series A51, A52 (Page no. 1.7.5 in Pneumatic Actuators catalogue)

AIR CYLINDER

Series A81, A82

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Basic cylinder - Ø12 to 25 mm



+ Add stroke

Cylinder bore Ø	MR	BE	F	CD H9	RR	L	G	EE	S	KW	ØC	SW1	SW2	KK	AM	T	WF	XC ±1	EW d13	KV	Stroke tol	
																					10 - 100	125 - 300
12	17	M16x1.5	17	6	15	9	5	M5x0.8	51 ^{±0.5}	8	6	10	5	M6x1	16	3	22	75	12	24	+ 1.5 + 0	+ 2.5 + 0
16	17	M16x1.5	17	6	15	9	5	M5x0.8	58 ^{±0.5}	8	6	10	5	M6x1	16	3	22	82	12	24		
20	20	M22x1.5	20	8	16	12	8	G1/8	67 ^{±0.7}	10	8	13	7	M8x1.25	20	4	24	95	16	32		
25	21	M22x1.5	22	8	17	12	8	G1/8	71 ^{±0.7}	10	10	17	9	M10x1.25	22	5	28	104	16	32		

How to order

A		81		020		010		O	
Model		Cylinder bore (mm)		Stroke (mm)		Mountings			
81	Standard cylinder	012	- Ø 12	010	- 10	O	- Basic		
82	Magnetic cylinder	016	- Ø 16	025	- 25				
		020	- Ø 20	050	- 50				
		025	- Ø 25						

Ordering Example:

Ordering no. for standard cylinder with 20 dia bore, 10 mm stroke: **A81 020 010 O**

For your special requirements of cylinders or for further informations contact your regional dealer or **JANATICS**