

AIR CYLINDER

Series A32, A33

Cat No A32, A33 - 01 - 01 - C

Single Acting Cylinder (Tie Rod Type) Front Spring (Ø32 to 100 mm)

As per ISO 6431 / CETOP RP43P, RP53P standards

Features

- ☐ Wide varieties of mountings
- ☐ Low friction
- ☐ Long life



Technical Specifications

Cylinder bore Ø (mm)	32	40	50	63	80	100
Standard strokes * (mm)	25, 50, 80					
Medium	Compressed air - Filtered - Lubricated					
Working pressure (bar)	1.5 to 10					
Ambient temperature (C)	-10° to +60°					
Medium temperature (C)	+5° to +50°					
Materials of construction	Aluminium, Brass, Nitrile, Steel, Acetal, Iron, Bronze, Polyurethane					
Mountings	Basic cylinder, Front foot mounting, Front flange, Rear flange, Male Clevis, Female clevis, Front trunnion, Rear trunnion, Centre trunnion					
Accessories	Clevis foot bracket, Wall mounting bracket, Trunnion bracket, Rod end fork, Rod end aligner, Rod end spherical eye					

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

** Refer special ordering number.

Note: Mountings and Accessories refer A12, A13 series.

Output force in N (1N = 0.1 kgf) (For 50mm stroke)

Cylinder bore Ø (in mm)	Rod Ø (in mm)		Working pressure in bar								
			2	3	4	5	6	7	8	9	10
32	12	Extend	98	170	242	315	387	460	532	604	677
40	16	Extend	172	285	398	511	624	738	851	964	1076
50	20	Extend	274	451	627	805	981	1158	1335	1511	1687
63	20	Extend	447	728	1008	1289	1569	1850	2130	2408	2691
80	25	Extend	728	1180	1632	2085	2537	2990	3442	3895	4347
100	25	Extend	1227	1933	2641	3347	4054	4761	5468	6175	6882

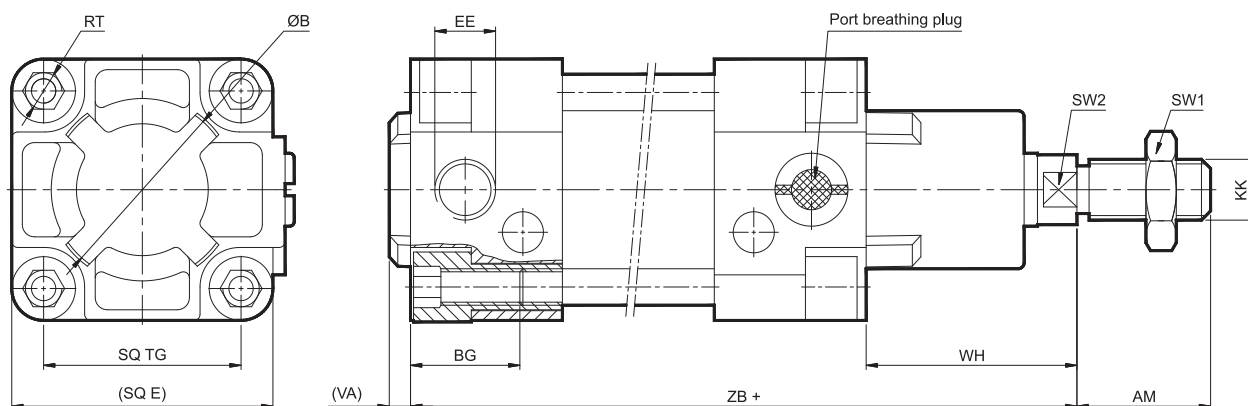
Note: Magnetic sensor details, refer enclosure Series A12, A13 (Page no. 1.1.6 in Pneumatic Actuators catalogue)

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Basic cylinder - Ø32 to 100 mm



+ Add stroke

Bore Ø	KK	AM	SW2	SW1	B e11	VA	E Max	TG	RT	BG min	EE	WH	Tol	ZB	Tol	Stroke tol
32	M10 x 1.25	22	10	17	30	3.5	44	32	M6	16	G1/8	26	±1.3	120	±1	+2 0
40	M12 x 1.25	24	13	19	35	4	55	40	M6	16	G1/4	30		135		
50	M16 x 1.5	32	16	24	40	4	63	48	M6	16	G1/4	37		143		
63	M16 x 1.5	32	16	24	45	4	83	60	M8	16	G3/8	37	±1.7	158	±1.1	+2.5 0
80	M20 x 1.5	40	21	30	45	4	98	72	M10	16	G3/8	46		174		
100	M20 x 1.5	40	21	30	55	4	115	89	M10	16	G1/2	51		189		

How to order

A	32	040	050	O
Model	Cylinder bore (mm)	Stroke (mm)	Mountings	
32 Standard cylinder	032 - Ø 32	025 - 25	O - Basic	
33 Magnetic cylinder	040 - Ø 40	050 - 50		
	050 - Ø 50	080 - 80		
	063 - Ø 63			
	080 - Ø 80			
	100 - Ø 100			

Ordering Example:

Ordering no. for standard cylinder with 40 dia bore, 50 mm stroke: **A32 040 050 O**

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