



- B-21, Bhan Nagar, Queens Road, Jaipur-302021
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PNEUMATIC CYLINDER



(DOUBLE ACTING)

Pneumatic Cylinder (Double Acting); These are Double Acting Pneumatic Cylinders operate on both ends of the piston, one element is used for the outstroke, while the other is used for in-stroke. While single acting pistons are most commonly used in internal engines, double acting pistons can be found in machinery such as steam engines, which is known as an external engine. This is because double acting pneumatic cylinders produce force from both ends of the piston.

PNEUMATIC CYLINDER (DOUBLE ACTING)	
Product	Description
Item	Pneumatic Cylinder (Double End)
Cylinder Bore	32, 40, 50, 63, 80, 100 mm
Cushion Stroke	21, 23, 23, 23, 28, 28 mm
Standard Strokes	25, 50, 80, 100, 125, 160, 200, 250, 300, 320, 400 & 500 mm
Medium	Compressed Air, Filtered, Lubricated
Working Pressure	2 to 10 Bar
Medium Temp	5° to 60°C
Material of Construction	Aluminium, Brass, Nitrile, Polyurethane, Steel, Acetal.
Mountings	Basic Cylinder, Foot mounting, Flange, Female Clevis, Trunnion, Centre Trunnion
Accessories	Trunnion Bracket, Rod End Fork, Rod End Aligner, Rod End Spherical Eye.



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Technical Detail;

Cylinder bore (in mm)	Rod (in mm)	Working Pressure in bar								
		2	3	4	5	6	7	8	9	10
32	12	124	187	249	311	373	435	498	559	621
40	16	190	285	380	475	570	665	760	855	950
50	20	297	445	594	742	891	1039	1187	1336	1484
63	20	505	757	1009	1261	1514	1766	2018	2270	2523
80	25	816	1225	1633	2041	2449	2857	3266	3674	4082
100	25	1325	1988	2650	3313	3976	4640	5300	5965	6625

Functions; The need switch and clamping kit is mounted on the Air Cylinder for proximity sensing. The piston of the cylinder is equipped with a permanent magnet which activated the need switch on approaching it. The need switch closes the circuit giving an electrical signal, which could be used further as required. The accuracy of the sensing distance depends on the speed of the operation of the piston.

Features;

- Adjustable cushioning at both ends.
- Wide variety of mountings.
- Magnetic & Non Magnetic versions.
- Long life.
- Low friction.