

Features

- Compact guided cylinder for short stroke applications
- 9 Bore sizes, 16mm to 100mm
- Strokes 10 to 400mm depending on model
- Standard dowel holes on body and tool plate
- High load bearing option
- Internal bumpers and magnetic piston are standard
- Flexible porting: top, rear, side

Guided Pneumatic Cylinders
P5T Series

Operating Information

Operating pressure: 145 PSIG (10 Bar / 1 MPa)

Temperature range:

Nitrile seals (standard) 0°F to 165°F (-18°C to 74°C)

Fluorocarbon seals* 0°F to 250°F (-18°C to 121°C)

*See fluorocarbon seal option for high temperature applications.

Filtration requirements: 40 micron, dry filtered air

Ordering Information

P5T	-	J	032	D	H	S	N		100	
Shaft / Bearing Type J Composite Bearing, Chrome Plated Shaft (std) H Ball Bearing, Stainless Steel Shaft C Composite Bearing, Stainless Steel Shaft			Bore Size 016 16mm 020 20mm 025 25mm 032 32mm 040 40mm 050 50mm 063 63mm 080 80mm 100 100mm		Seals S Nitrile (std) F Fluorocarbon (high temp)			Stroke Length See Table Below for Standard Stroke Lengths. Consult Factory for Special Stroke Lengths.		
			Port Location / Mounting D Dowel Holes, Top Ports (std) R Dowel Holes, Rear Ports, Top Plugged (std) ⁹ S Dowel Holes, Side Ports and Top Ports		Options N None (std) B High Load Bearings ² A Bumpers, Adjustable Stop Collars (extend only) and Dual Tool Plate (side ports rec) ^{3,4} E Bumpers and Adjustable Stop Collars (extend only) ³ G High Load Bearings, Bumpers and Adjustable Stop Collars (extend only) ^{2,3} D Dual Tool Plate ^{3,4} X Special					
			Port Style H NPTF (std) G BSPP					Stroke Type Blank Standard Stroke (std hsg), or Special Stroke (custom hsg) T Special Stroke (std hsg) ⁵		

Standard Strokes (mm)*														
Bore Size (mm)	10	25	40	50	75	100	125	150	175	200	250	300	350	400
16	.	.	.	.	.	.	.	.	.	.	.	.	.	.
20	.	.	.	.	.	.	.	.	.	.	.	.	.	.
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32	.	.	.	.	.	.	.	.	.	.	.	.	.	.
40	.	.	.	.	.	.	.	.	.	.	.	.	.	.
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100	.	.	.	.	.	.	.	.	.	.	.	.	.	.

* Consult factory for special stroke lengths.

Notes:

2 Not available with rear ports.

3 Not available with rear port location (R).

4 Includes high load bearings as standard.

5 Dimensions for special stroke length actuators will be the same as those of the next longest standard stroke actuator.

9 Not available above 200 mm stroke.

Sensors

See section I for sensors.

