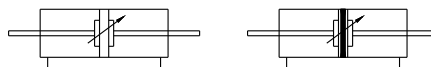


DAP / DAP....S - Double acting



DAPD / DAPD....S - Double ended



DAPJ / DAPJ....S - Double ended adj. stroke



INSTALLATION, OPERATING AND MAINTENANCE INSTRUCTIONS

Technical Specifications

Bore size (mm)	32	40	50	63	80	100	125	160	200
Action	Double Acting Type								
Fluid	Compressed Air (to Filter 40 µm colander)								
Mounting Type	Basic, Foot, Flange, Trunion, Clevis								
Pressure Range (Kg/cm ²)	1.0 ~ 9.0								
Proof Pressure (Kg/cm ²)	13.5								
Temperature range °C	0 ~ 70								
Speed range mm/sec	50 ~ 800								
Cushion type	Variable cushion								
Port size (BSP)	G1/8	G1/4	G3/8	G1/2	G3/4				

Installation

- Select appropriate size of fittings at the time of installation to avoid starvation of air.
- Shield the cylinder to avoid damage, if dusty material is falling on it.
- Clean tube & fittings first, before servicing the cylinder.
- Compressed air must be filtered (at-least 40 micron filtration) for general application.
- Do not use cylinder to its extreme capacity. Changing to next higher size cylinder is advisable.
- For high temperature applications, select cylinders suitable for high temperature applications.
- Minimize/ avoid side loading of cylinder to increase its life.
- Cushioning should be adjusted at no load condition first. Tighten the cushioning screw first and open gradually to suit the requirement. Avoid direct impact.

Model Ordering Code Instructions

DAP - 50 X 50 -	- LB -	- F -	S - * - **
Bore x Stroke.	Mounting type :	Piston Rod Joint type :	
Blank -Std	Blank - Basic	I - J Knuckle	Sensor Accessories
Stroke Adj.- for DAPJ	LB - Foot mounting	Y - Y Knuckle	IH - Bend
10-10mm	FA - Front flange	F - Floating joint	RS-U - Switch
20-20mm	FB - Rear flange	U - Universal joint	
30-30mm	CA - Rear trunion - Single		
	CB - Rear trunion - Double		
	TC - Centre trunion		
	TC - M - Centre clevis		
Types		Sensing type :	
DAP - Double acting		Blank - without magnet	
DAPD - Double ended		S - with magnet	
DAPJ - Double ended adj. stroke			
* For sensor switch / band please refer page 6			
** Special Series			

* For sensor switch / band please refer page 6

** Special Series

Material Specifications

Bore size (mm)	32	40	50	63	80	100	125	160	200
Front & back cover Barrel & piston	Aluminium alloy								
Rod	High carbon steel hard chrome plated								
Rod packing & 'o' ring Cushion body, Gasket & Rod 'O' rings, Barrel gasket	NBR								
Wearing ring & bushing	PTFE								
Cushion body & needle	Brass								
Magnet	Non metallic								
Cushion patch	Mild steel								

Replacement Parts Order by Size and Kit No.

Double Acting Bore size (mm)	KIT No.
Ø 32	DAP - 32 SK
Ø 40	DAP - 40 SK
Ø 50	DAP - 50 SK
Ø 60	DAP - 60 SK
Ø 80	DAP - 80 SK
Ø 100	DAP - 100 SK
Ø 125	DAP - 125 SK
Ø 160	DAP - 160 SK
Ø 200	DAP - 200 SK

Service cylinder kit consists of Rod packing & Gasket, Piston, 'O' rings, Tube gaskets, Cushion packings & gaskets

PNEUMATIC AUTOMATION PRODUCTS

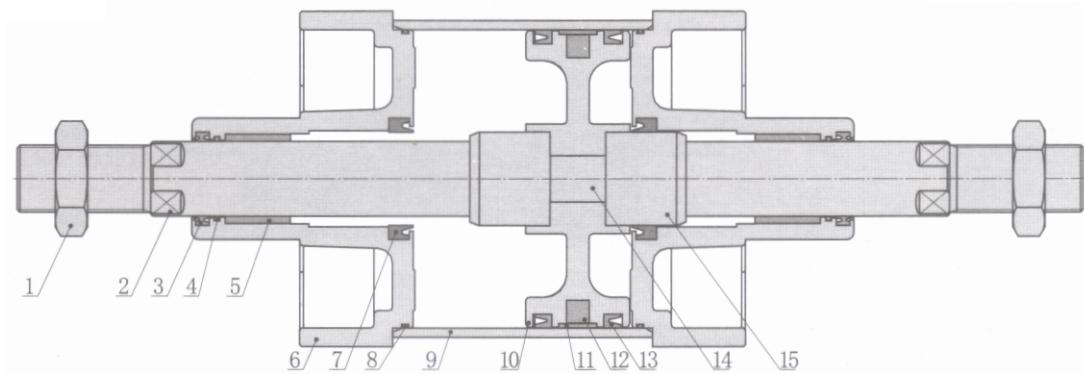
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INSTALLATION, OPERATING AND MAINTENANCE INSTRUCTIONS

Structure Diagram



No.	Part Name	No.	Part Name	No.	Part Name
1	Rod Nut	6	Front Cover	11	Wearing Ring
2	Rod	7	Cushion Packing	12	Magnet
3	Rod Packing	8	Barrel Gasket	13	Piston 'O' Ring
4	'O' Ring	9	Barrel	14	Screw
5	Bushing	10	Piston	15	Cushion Body

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