

P1A - Mini ISO 6432 Cylinders

Careful design and high quality manufacture throughout ensure long service life and optimum economy.

Mounting dimensions fully in accordance with ISO 6432 and CETOP RP52P greatly simplifies installation and world-wide interchangeability.



- Mini cylinder according to ISO 6432
- Available in 10 to 25 mm bores
- Corrosion resistant design and low weight construction
- Magnetic piston as standard
- End stroke buffers for long service life

Operating information

Working pressure: Max 10 bar
 Temperature range: -20°C to +80°C Ø10-25mm

Prelubricated, further lubrication is not normally necessary. If additional lubrication is introduced it must be continued.

Double acting buffer cushioning

Ø10mm - (M5)

Stroke mm	Order code
10	P1A-S010DS-0010
25	P1A-S010DS-0025
50	P1A-S010DS-0050
80	P1A-S010DS-0080

Ø12mm - (M5)

Stroke mm	Order code
10	P1A-S012DS-0010
25	P1A-S012DS-0025
50	P1A-S012DS-0050
80	P1A-S012DS-0080

Ø16mm - (M5)

Stroke mm	Order code
10	P1A-S016DS-0010
25	P1A-S016DS-0025
50	P1A-S016DS-0050
80	P1A-S016DS-0080

Ø20mm - (G1/8)

Stroke mm	Order code
10	P1A-S020DS-0010
25	P1A-S020DS-0025
50	P1A-S020DS-0050
80	P1A-S020DS-0080
100	P1A-S020DS-0100
125	P1A-S020DS-0125
160	P1A-S020DS-0160

Ø25mm - (G1/8)

Stroke mm	Order code
10	P1A-S025DS-0010
25	P1A-S025DS-0025
50	P1A-S025DS-0050
80	P1A-S025DS-0080
100	P1A-S025DS-0100
125	P1A-S025DS-0125
160	P1A-S025DS-0160

Cylinders are supplied complete with neck mounting and piston rod nuts. Cylinders with Through piston rods are supplied with two piston rod nuts and one neck mounting nut.

Single acting push type (Spring return for retract stroke)

Ø10mm - (M5)

Stroke mm	Order code
10	P1A-S010SS-0010
25	P1A-S010SS-0025

Ø12mm - (M5)

Stroke mm	Order code
25	P1A-S012SS-0025
50	P1A-S012SS-0050

Ø16mm - (M5)

Stroke mm	Order code
25	P1A-S016SS-0025
50	P1A-S016SS-0050

Ø20mm - (G1/8)

Stroke mm	Order code
25	P1A-S020SS-0025
50	P1A-S020SS-0050

Ø25mm - (G1/8)

Stroke mm	Order code
25	P1A-S025SS-0025
50	P1A-S025SS-0050

Double acting adjustable cushioning

Ø16mm - (M5)

Stroke mm	Order code
25	P1A-S016MS-0025
50	P1A-S016MS-0050
100	P1A-S016MS-0100

Ø20mm - (G1/8)


Stroke mm	Order code
25	P1A-S020MS-0025
50	P1A-S020MS-0050
100	P1A-S020MS-0100

Ø25mm - (G1/8)


Stroke mm	Order code
25	P1A-S025MS-0025
50	P1A-S025MS-0050
100	P1A-S025MS-0100

P1A Cylinder Mounting Options


Flange MF8

	Cyl. bore Ø mm	Order code
	10	P1A-4CMB-S
	12	P1A-4DMB-S
	16	P1A-4DMB-S
	20	P1A-4HMB-S
	25	P1A-4HMB-S


Foot MS8

	Cyl. bore Ø mm	Order code
	10	P1A-4CMF-S
	12	P1A-4DMF-S
	16	P1A-4DMF-S
	20	P1A-4HMF-S
	25	P1A-4HMF-S


Swivel rod eye

	Cyl. bore Ø mm	Order code
	10	P1A-4CRS-S
	12	P1A-4DRS-S
	16	P1A-4DRS-S
	20	P1A-4HRS-S
	25	P1A-4JRS-S

Clevis bracket

	Cyl. bore Ø mm	Order code
	10	P1A-4CMT-S
	12	P1A-4DMT-S
	16	P1A-4DMT-S
	20	P1A-4HMT-S
	25	P1A-4HMT-S

Clevis

	Cyl. bore Ø mm	Order code
	10	P1A-4CRC-S
	12	P1A-4DRC-S
	16	P1A-4DRC-S
	20	P1A-4HRC-S
	25	P1A-4JRC-S

Sensors

Output/function	Cable/connector	Order code
Electronic sensors , 10-30 V DC		
PNP type, normally open	0,27 m PUR-cable and 8 mm snap-in male connector	P8S-GPSHX
PNP type, normally open	0,27 m PUR-cable and M12 screw male connector	P8S-GPMHX
PNP type, normally open	3 m PVC-cable without connector	P8S-GPFLX
PNP type, normally open	10 m PVC-cable without connector	P8S-GPTFX
Reed sensors , 10-30 V AC/DC		
Normally open	0,27 m PUR-cable and 8 mm snap-in male connector	P8S-GSSHX
Normally open	0,27 m PUR-cable and M12 screw male connector	P8S-GSMHX
Normally open	3 m PVC-cable without connector	P8S-GSFLX
Normally open	10 m PVC-cable without connector	P8S-GSFTX
Normally closed	5m PVC-cable without connector ⁽¹⁾	P8S-GCFPX
Reed sensors, 10-120 V AC/DC		
Normally open	3 m PVC-cable without connector	P8S-GRFLX
Reed sensorer, 24-230 V AC/DC		
Normally open	3 m PVC-cable without connector	P8S-GRFLX2

Connecting cables with one connector

The cables have an integral snap-in female connector.



Cables for sensors, complete with one female connector

Cable/connector	Order code
3 m, 8 mm Snap-in connector	9126344341
10 m, 8 mm Snap-in connector	9126344342

1) Without LED

Sensor mounting

Description	Weight kg	Order code
Sensor mounting for P1A cylinder bore Ø10 to Ø25 mm	0,07	P8S-TMC01