

The P1J cylinder is ideal for applications where you need compact dimensions and high overall performance. The versatile P1J cylinder range provides a long trouble-free operation in a variety of applications.

- Compact and versatile
- Magnetic piston for direct fit with electronic controls
- Fit flush global sensor range with many functions
- Patent press fit end cover for short axial length
- Choose from our wide range of double-acting, single-acting and double-acting with guide rod



Operating information

Working pressure: Max 10 bar
 Permissible fluid: Air, with or without lubrication
 Standard working temperature: -20°C to +80°C

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

For technical information see CD

Double acting - Standard seals - Female threaded piston rod

Ø12mm - (M5)

| Stroke mm | Order code |
|-----------|------------------------|
| 10 | P1J-S012DS-0010 |
| 15 | P1J-S012DS-0015 |
| 20 | P1J-S012DS-0020 |
| 25 | P1J-S012DS-0025 |

Ø20mm - (M5)

| Stroke mm | Order code |
|-----------|------------------------|
| 10 | P1J-S020DS-0010 |
| 15 | P1J-S020DS-0015 |
| 20 | P1J-S020DS-0020 |
| 25 | P1J-S020DS-0025 |
| 30 | P1J-S020DS-0030 |
| 40 | P1J-S020DS-0040 |
| 50 | P1J-S020DS-0050 |

Ø25mm - (M5)

| Stroke mm | Order code |
|-----------|------------------------|
| 10 | P1J-S025DS-0010 |
| 15 | P1J-S025DS-0015 |
| 20 | P1J-S025DS-0020 |
| 25 | P1J-S025DS-0025 |
| 30 | P1J-S025DS-0030 |
| 40 | P1J-S025DS-0040 |
| 50 | P1J-S025DS-0050 |

Ø32mm - (G1/8)

| Stroke mm | Order code |
|-----------|------------------------|
| 10 | P1J-S032DS-0010 |
| 15 | P1J-S032DS-0015 |
| 20 | P1J-S032DS-0020 |
| 25 | P1J-S032DS-0025 |
| 30 | P1J-S032DS-0030 |
| 40 | P1J-S032DS-0040 |
| 50 | P1J-S032DS-0050 |
| 80 | P1J-S032DS-0080 |

Ø40mm - (G1/8)

| Stroke mm | Order code |
|-----------|------------------------|
| 10 | P1J-S040DS-0010 |
| 15 | P1J-S040DS-0015 |
| 20 | P1J-S040DS-0020 |
| 25 | P1J-S040DS-0025 |
| 30 | P1J-S040DS-0030 |
| 40 | P1J-S040DS-0040 |
| 50 | P1J-S040DS-0050 |
| 80 | P1J-S040DS-0080 |

Ø50mm - (G1/8)

| Stroke mm | Order code |
|-----------|------------------------|
| 10 | P1J-S050DS-0010 |
| 15 | P1J-S050DS-0015 |
| 20 | P1J-S050DS-0020 |
| 25 | P1J-S050DS-0025 |
| 30 | P1J-S050DS-0030 |
| 40 | P1J-S050DS-0040 |
| 50 | P1J-S050DS-0050 |
| 80 | P1J-S050DS-0080 |

Ø63mm - (G1/8)

| Stroke mm | Order code |
|-----------|------------------------|
| 10 | P1J-S063DS-0010 |
| 15 | P1J-S063DS-0015 |
| 20 | P1J-S063DS-0020 |
| 25 | P1J-S063DS-0025 |
| 30 | P1J-S063DS-0030 |
| 40 | P1J-S063DS-0040 |
| 50 | P1J-S063DS-0050 |
| 80 | P1J-S063DS-0080 |
| 100 | P1J-S063DS-0100 |

 Indicates stocked product.

Single acting - Standard seals - Female threaded piston rod

Ø12mm - (M5)

| Stroke mm | Order code |
|-----------|-----------------|
| 10 | P1J-S012SS-0010 |
| 15 | P1J-S012SS-0015 |

Ø20mm - (M5)

| Stroke mm | Order code |
|-----------|-----------------|
| 5 | P1J-S020SS-0005 |
| 10 | P1J-S020SS-0010 |
| 15 | P1J-S020SS-0015 |
| 20 | P1J-S020SS-0020 |
| 25 | P1J-S020SS-0025 |
| 30 | P1J-S020SS-0030 |

Ø25mm - (M5)

| Stroke mm | Order code |
|-----------|-----------------|
| 5 | P1J-S025SS-0005 |
| 10 | P1J-S025SS-0010 |
| 15 | P1J-S025SS-0015 |
| 20 | P1J-S025SS-0020 |
| 25 | P1J-S025SS-0025 |
| 30 | P1J-S025SS-0030 |
| 40 | P1J-S025SS-0040 |
| 50 | P1J-S025SS-0050 |

Ø32mm - (G1/8)

| Stroke mm | Order code |
|-----------|-----------------|
| 5 | P1J-S032SS-0005 |
| 10 | P1J-S032SS-0010 |
| 15 | P1J-S032SS-0015 |
| 20 | P1J-S032SS-0020 |
| 25 | P1J-S032SS-0025 |
| 30 | P1J-S032SS-0030 |
| 40 | P1J-S032SS-0040 |
| 50 | P1J-S032SS-0050 |

Ø40mm - (G1/8)

| Stroke mm | Order code |
|-----------|-----------------|
| 5 | P1J-S040SS-0005 |
| 10 | P1J-S040SS-0010 |
| 15 | P1J-S040SS-0015 |
| 20 | P1J-S040SS-0020 |
| 25 | P1J-S040SS-0025 |
| 30 | P1J-S040SS-0030 |
| 40 | P1J-S040SS-0040 |
| 50 | P1J-S040SS-0050 |

Ø50mm - (G1/8)

| Stroke mm | Order code |
|-----------|-----------------|
| 5 | P1J-S050SS-0005 |
| 10 | P1J-S050SS-0010 |
| 15 | P1J-S050SS-0015 |
| 20 | P1J-S050SS-0020 |
| 25 | P1J-S050SS-0025 |
| 30 | P1J-S050SS-0030 |
| 40 | P1J-S050SS-0040 |
| 50 | P1J-S050SS-0050 |

Ø63mm - (G1/8)

| Stroke mm | Order code |
|-----------|-----------------|
| 5 | P1J-S063SS-0005 |
| 10 | P1J-S063SS-0010 |
| 15 | P1J-S063SS-0015 |
| 20 | P1J-S063SS-0020 |
| 25 | P1J-S063SS-0025 |
| 30 | P1J-S063SS-0030 |
| 40 | P1J-S063SS-0040 |
| 50 | P1J-S063SS-0050 |

Double acting - Guided

These cylinders feature twin guide rods connected to the piston rod by a flange plate. These are ideal for clamping and moving applications where turning of the piston rod must be avoided or side load is present.



Double Acting - Guided

Ø20mm - (M5)

| Stroke mm | Order code |
|-----------|-----------------|
| 5 | P1J-G020DS-0005 |
| 10 | P1J-G020DS-0010 |
| 15 | P1J-G020DS-0015 |
| 20 | P1J-G020DS-0020 |
| 25 | P1J-G020DS-0025 |
| 30 | P1J-G020DS-0030 |
| 40 | P1J-G020DS-0040 |
| 50 | P1J-G020DS-0050 |

Ø25mm - (M5)

| Stroke mm | Order code |
|-----------|-----------------|
| 5 | P1J-G025DS-0005 |
| 10 | P1J-G025DS-0010 |
| 15 | P1J-G025DS-0015 |
| 20 | P1J-G025DS-0020 |
| 25 | P1J-G025DS-0025 |
| 30 | P1J-G025DS-0030 |
| 40 | P1J-G025DS-0040 |
| 50 | P1J-G025DS-0050 |

Ø32mm - (G1/8)

| Stroke mm | Order code |
|-----------|-----------------|
| 5 | P1J-G032DS-0005 |
| 10 | P1J-G032DS-0010 |
| 15 | P1J-G032DS-0015 |
| 20 | P1J-G032DS-0020 |
| 25 | P1J-G032DS-0025 |
| 30 | P1J-G032DS-0030 |
| 40 | P1J-G032DS-0040 |
| 50 | P1J-G032DS-0050 |
| 80 | P1J-G032DS-0080 |

Ø40mm - (G1/8)

| Stroke mm | Order code |
|-----------|-----------------|
| 5 | P1J-G040DS-0005 |
| 10 | P1J-G040DS-0010 |
| 15 | P1J-G040DS-0015 |
| 20 | P1J-G040DS-0020 |
| 25 | P1J-G040DS-0025 |
| 30 | P1J-G040DS-0030 |
| 40 | P1J-G040DS-0040 |
| 50 | P1J-G040DS-0050 |
| 80 | P1J-G040DS-0080 |

Ø50mm - (G1/8)

| Stroke mm | Order code |
|-----------|-----------------|
| 5 | P1J-G050DS-0005 |
| 10 | P1J-G050DS-0010 |
| 15 | P1J-G050DS-0015 |
| 20 | P1J-G050DS-0020 |
| 25 | P1J-G050DS-0025 |
| 30 | P1J-G050DS-0030 |
| 40 | P1J-G050DS-0040 |
| 50 | P1J-G050DS-0050 |
| 80 | P1J-G050DS-0080 |

Ø63mm - (G1/8)

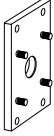
| Stroke mm | Order code |
|-----------|-----------------|
| 5 | P1J-G063DS-0005 |
| 10 | P1J-G063DS-0010 |
| 15 | P1J-G063DS-0015 |
| 20 | P1J-G063DS-0020 |
| 25 | P1J-G063DS-0025 |
| 30 | P1J-G063DS-0030 |
| 40 | P1J-G063DS-0040 |
| 50 | P1J-G063DS-0050 |
| 80 | P1J-G063DS-0080 |
| 100 | P1J-G063DS-0100 |

 Indicates stocked product.

Cylinder mountings


Flange MF1

Anodised aluminium

| | Cyl. dia. | Order code |
|--|-----------|-----------------|
|  | 12 | P1J-4DMB |
| | 20 | P1J-4HMB |
| | 25 | P1J-4JMB |
| | 32 | P1J-4KMB |
| | 40 | P1J-4LMB |
| | 50 | P1J-4MMB |
| | 63 | P1J-4NMB |

Foot bracket


Anodised aluminium

| | Cyl. dia. | Order code |
|---|-----------|-----------------|
|  | 12 | P1J-4DMF |
| | 20 | P1J-4HMF |
| | 25 | P1J-4JMF |
| | 32 | P1J-4KMF |
| | 40 | P1J-4LMF |
| | 50 | P1J-4MMF |
| | 63 | P1J-4NMF |

Piston rod mountings


Clevis

Galvanised steel

| | Cyl. dia. | Order code |
|--|-----------|-----------------|
|  | 20 | P1J-4HRC |
| | 25 | P1J-4HRC |
| | 32 | P1A-4DRC |
| | 40 | P1A-4DRC |
| | 50 | P1A-4HRC |
| | 63 | P1A-4HRC |


Swivel rod eye

Galvanised steel

| | Cyl. dia. | Order code |
|---|-----------|-----------------|
|  | 12 | P1J-4DRS |
| | 20 | P1J-4HRS |
| | 25 | P1J-4HRS |
| | 32 | P1A-4DRS |
| | 40 | P1A-4DRS |
| | 50 | P1A-4HRS |
| | 63 | P1A-4HRS |

Male stud kit

Surface treated steel

| | Cyl. dia. | Order code |
|---|-----------|-----------------|
|  | 12 | P1J-6DS0 |
| | 20 | P1J-6HS0 |
| | 25 | P1J-6HS0 |
| | 32 | P1J-6KS0 |
| | 40 | P1J-6KS0 |
| | 50 | P1J-6MS0 |
| | 63 | P1J-6MS0 |

Sensors

Reed switch sensors

| Cable (m) | V AC/DC | Order code |
|-----------|---------|------------------|
| 3 | 0-110 | P8S-DRFLX |
| * | 0-60 | P8S-DRSHX |

Solid state sensors

| Cable (m) | VDC | Order code |
|-----------|-------|------------------|
| 3 | 10-28 | P8S-DPFLX |
| * | 10-28 | P8S-DPSHX |

Cables for sensor

| Cable (m) | Order code |
|-----------|-------------------|
| 3 | 9126344341 |
| 5 | 7121100195 |
| 10 | 9126344342 |

* Cable with 8mm plug must be ordered separately.

 Indicates stocked product.