

- Compact design for confined spaces
- Magnetic piston as standard
- Piston rod mountings
- Piston and piston rod bearings for long life



Operating information		Options Available	For technical information see CD
Working pressure:	Max 10 bar	<b>Action</b>	<ul style="list-style-type: none"> <li>Double acting, buffer cushioning      Ø12-63mm</li> <li>Double acting, through rod            Ø12-63mm</li> <li>Double acting, through hollow rod    Ø20-63mm</li> <li>Single acting, spring return</li> <li>Teflon and copper free.</li> </ul>
Permissible fluid:	Air, with or without lubrication		
Standard working temperature:	-20°C to +80°C		
<p>Prelubricated, further lubrication is not normally necessary. If additional lubrication is introduced it must be continued.</p>			

## Double acting - Standard seals - Female threaded piston rod

### Ø12mm - (M5)

Stroke mm	Order code
5	<b>P1J-S012DS-0005</b>
10	<b>P1J-S012DS-0010</b>
15	<b>P1J-S012DS-0015</b>
20	<b>P1J-S012DS-0020</b>
25	<b>P1J-S012DS-0025</b>

### Ø20mm - (M5)

Stroke mm	Order code
5	<b>P1J-S020DS-0005</b>
10	<b>P1J-S020DS-0010</b>
15	<b>P1J-S020DS-0015</b>
20	<b>P1J-S020DS-0020</b>
25	<b>P1J-S020DS-0025</b>
30	<b>P1J-S020DS-0030</b>
40	<b>P1J-S020DS-0040</b>
50	<b>P1J-S020DS-0050</b>

### Ø25mm - (M5)

Stroke mm	Order code
5	<b>P1J-S025DS-0005</b>
10	<b>P1J-S025DS-0010</b>
15	<b>P1J-S025DS-0015</b>
20	<b>P1J-S025DS-0020</b>
25	<b>P1J-S025DS-0025</b>
30	<b>P1J-S025DS-0030</b>
40	<b>P1J-S025DS-0040</b>
50	<b>P1J-S025DS-0050</b>

### Ø32mm - (G1/8)

Stroke mm	Order code
5	<b>P1J-S032DS-0005</b>
10	<b>P1J-S032DS-0010</b>
15	<b>P1J-S032DS-0015</b>
20	<b>P1J-S032DS-0020</b>
25	<b>P1J-S032DS-0025</b>
30	<b>P1J-S032DS-0030</b>
40	<b>P1J-S032DS-0040</b>
50	<b>P1J-S032DS-0050</b>
80	<b>P1J-S032DS-0080</b>

### Ø40mm - (G1/8)

Stroke mm	Order code
5	<b>P1J-S040DS-0005</b>
10	<b>P1J-S040DS-0010</b>
15	<b>P1J-S040DS-0015</b>
20	<b>P1J-S040DS-0020</b>
25	<b>P1J-S040DS-0025</b>
30	<b>P1J-S040DS-0030</b>
40	<b>P1J-S040DS-0040</b>
50	<b>P1J-S040DS-0050</b>
80	<b>P1J-S040DS-0080</b>

### Ø50mm - (G1/8)

Stroke mm	Order code
5	<b>P1J-S050DS-0005</b>
10	<b>P1J-S050DS-0010</b>
15	<b>P1J-S050DS-0015</b>
20	<b>P1J-S050DS-0020</b>
25	<b>P1J-S050DS-0025</b>
30	<b>P1J-S050DS-0030</b>
40	<b>P1J-S050DS-0040</b>
50	<b>P1J-S050DS-0050</b>
80	<b>P1J-S050DS-0080</b>

### Ø63mm - (G1/8)

Stroke mm	Order code
5	<b>P1J-S063DS-0005</b>
10	<b>P1J-S063DS-0010</b>
15	<b>P1J-S063DS-0015</b>
20	<b>P1J-S063DS-0020</b>
25	<b>P1J-S063DS-0025</b>
30	<b>P1J-S063DS-0030</b>
40	<b>P1J-S063DS-0040</b>
50	<b>P1J-S063DS-0050</b>
80	<b>P1J-S063DS-0080</b>
100	<b>P1J-S063DS-0100</b>

## Single acting - Standard seals - Female threaded piston rod

### Ø12mm - (M5)

Stroke mm	Order code
5	P1J-S012SS-0005
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

### 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

## Order codes


**P 1 J - S 0 3 2 D S - 0 0 2 5**

Cylinder-bore. mm	Cylinder type / function	Stroke lengths mm
<b>012</b>	<b>D</b>  Double-acting Ø12 - Ø63	0025 = 25 mm For standard strokes see order code charts.
<b>020</b>	<b>K</b>  Double-acting, through piston rod Ø20 - Ø63	
<b>025</b>	<b>P</b>  Double-acting, through piston rod hollow, Ø20 - Ø63, max stroke. 100 mm. Not cylinder version G	
<b>032</b>		
<b>040</b>		
<b>050</b>		
<b>063</b>	<b>S</b>  Single-acting spring return for retract stroke Ø12 - Ø63	

Sealing material	
<b>S</b>	Standard seals, -20 °C to +80 °C Stainless steel piston rod Magnetic piston
<b>N</b>	Free from Teflon™ and copper, Standard seals, -20 °C to +60 °C Magnetic piston

Cylinder version	
<b>S</b>	Standard cylinder
<b>K</b>	Cylinder with end cover in anodised aluminium
<b>G</b>	 Cylinder with mounted guide unit, Ø20 - Ø63.

## Cylinder mountings

### Flange MF1

Anodised aluminium

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



### Foot bracket

Anodised aluminium

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



## Piston rod mountings

### Clevis

Galvanised steel

Cyl. dia.	Order code
20	<b>P1J-4HRC</b>
25	<b>P1J-4HRC</b>
32	<b>P1A-4DRC</b>
40	<b>P1A-4DRC</b>
50	<b>P1A-4HRC</b>
63	<b>P1A-4HRC</b>



### Swivel rod eye

Galvanised steel

Cyl. dia.	Order code
12	<b>P1J-4DRS</b>
20	<b>P1J-4HRS</b>
25	<b>P1J-4HRS</b>
32	<b>P1A-4DRS</b>
40	<b>P1A-4DRS</b>
50	<b>P1A-4HRS</b>
63	<b>P1A-4HRS</b>



### Male stud kit

Surface treated steel

Cyl. dia.	Order code
12	<b>P1J-6DS0</b>
20	<b>P1J-6HS0</b>
25	<b>P1J-6HS0</b>
32	<b>P1J-6KS0</b>
40	<b>P1J-6KS0</b>
50	<b>P1J-6MS0</b>
63	<b>P1J-6MS0</b>



## Sensors

### Reed switch sensors

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

### Solid state sensors

Cable (m)	VDC	Order code
3	10-28	<b>P8S-DPFLX</b>
*	10-28	<b>P8S-DPSHX</b>

\* Cable with 8mm plug must be ordered separately.

### Cables for sensor

Cable (m)	Order code
3	<b>9126344341</b>
5	<b>7121100195</b>
10	<b>9126344342</b>