

Actuators

P1F - ISO 15552 Cylinders, double acting, magnetic, male threaded piston rod

Maximum operating pressure: 10 bar. Temperature range -20°C to +80°C

- Bores 32 - 125mm
- Strokes 1 - 2500mm
- Adjustable cushioning
- Stainless piston rod
- Optional ISO 15552 mountings
- Optional sensors



Stroke (mm)	Ø32mm bore: G1/8 Ports	Ø40mm bore: G1/4 Ports	Ø50mm bore: G1/4 Ports	Ø63mm bore: G3/8 Ports
25	P1F-S032MS-0025-0000	P1F-S040MS-0025-0000	P1F-S050MS-0025-0000	P1F-S063MS-0025-0000
40	P1F-S032MS-0040-0000	P1F-S040MS-0040-0000	P1F-S050MS-0040-0000	P1F-S063MS-0040-0000
50	P1F-S032MS-0050-0000	P1F-S040MS-0050-0000	P1F-S050MS-0050-0000	P1F-S063MS-0050-0000
80	P1F-S032MS-0080-0000	P1F-S040MS-0080-0000	P1F-S050MS-0080-0000	P1F-S063MS-0080-0000
100	P1F-S032MS-0100-0000	P1F-S040MS-0100-0000	P1F-S050MS-0100-0000	P1F-S063MS-0100-0000
125	P1F-S032MS-0125-0000	P1F-S040MS-0125-0000	P1F-S050MS-0125-0000	P1F-S063MS-0125-0000
160	P1F-S032MS-0160-0000	P1F-S040MS-0160-0000	P1F-S050MS-0160-0000	P1F-S063MS-0160-0000
200	P1F-S032MS-0200-0000	P1F-S040MS-0200-0000	P1F-S050MS-0200-0000	P1F-S063MS-0200-0000
250	P1F-S032MS-0250-0000	P1F-S040MS-0250-0000	P1F-S050MS-0250-0000	P1F-S063MS-0250-0000
320	P1F-S032MS-0320-0000	P1F-S040MS-0320-0000	P1F-S050MS-0320-0000	P1F-S063MS-0320-0000
400	P1F-S032MS-0400-0000	P1F-S040MS-0400-0000	P1F-S050MS-0400-0000	P1F-S063MS-0400-0000
500	P1F-S032MS-0500-0000	P1F-S040MS-0500-0000	P1F-S050MS-0500-0000	P1F-S063MS-0500-0000

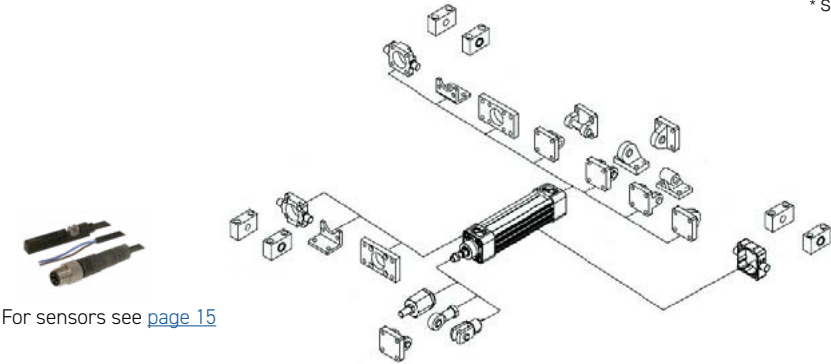
Stroke (mm)	Ø80mm bore: G3/8 Ports	Ø100mm bore: G1/2 Ports	Ø125mm bore: G1/2 Ports
25	P1F-S080MS-0025-0000	P1F-S100MS-0025-0000	P1F-S125MS-0025-0000
40	P1F-S080MS-0040-0000	P1F-S100MS-0040-0000	P1F-S125MS-0040-0000
50	P1F-S080MS-0050-0000	P1F-S100MS-0050-0000	P1F-S125MS-0050-0000
80	P1F-S080MS-0080-0000	P1F-S100MS-0080-0000	P1F-S125MS-0080-0000
100	P1F-S080MS-0100-0000	P1F-S100MS-0100-0000	P1F-S125MS-0100-0000
125	P1F-S080MS-0125-0000	P1F-S100MS-0125-0000	P1F-S125MS-0125-0000
160	P1F-S080MS-0160-0000	P1F-S100MS-0160-0000	P1F-S125MS-0160-0000
200	P1F-S080MS-0200-0000	P1F-S100MS-0200-0000	P1F-S125MS-0200-0000
250	P1F-S080MS-0250-0000	P1F-S100MS-0250-0000	P1F-S125MS-0250-0000
320	P1F-S080MS-0320-0000	P1F-S100MS-0320-0000	P1F-S125MS-0320-0000
400	P1F-S080MS-0400-0000	P1F-S100MS-0400-0000	P1F-S125MS-0400-0000
500	P1F-S080MS-0500-0000	P1F-S100MS-0500-0000	P1F-S125MS-0500-0000



P1F - ISO 15552 Cylinders Mountings

Bore [mm]	Flange MF1 / MF2	Foot brackets MS1	Pivot bracket with rigid bearing AB7	Swivel eye bracket MP6	Clevis bracket MP2
Ø32	P1C-4KMB	P1C-4KMF	P1C-4KMDB	P1C-4KMSB	P1C-4KMTB
Ø40	P1C-4LMB	P1C-4LMF	P1C-4LMDB	P1C-4LMSB	P1C-4LMTB
Ø50	P1C-4MMB	P1C-4MMF	P1C-4MMDB	P1C-4MMSB	P1C-4MMTB
Ø63	P1C-4NMB	P1C-4NMF	P1C-4NMDB	P1C-4NMSB	P1C-4NMTB
Ø80	P1C-4PMB	P1C-4PMF	P1C-4PMDB	P1C-4PMSB	P1C-4PMTB
Ø100	P1C-4QMB	P1C-4QMF	P1C-4QMDB	P1C-4QMSB	P1C-4QMTB
Ø125	P1C-4RMB	P1C-4RMF	P1C-4RMDB	P1C-4RMSB	P1C-4RMTB
	Clevis bracket MP4	Clevis bracket AB6	Pivot bracket with swivel bearing CS7	3 and 4 position flange JP1	Pivot brackets AT4
Ø32	P1C-4KMEB	P1C-4KMCB	P1C-4KMAF	P1E-6KBO	P1C-4KRS
Ø40	P1C-4LMEB	P1C-4LMCB	P1C-4LMAF	P1E-6LBO	P1C-4KRS
Ø50	P1C-4MMEB	P1C-4MMCB	P1C-4MMAF	P1E-6MBO	P1C-4LRS
Ø63	P1C-4NMEB	P1C-4NMCB	P1C-4NMAF	P1E-6NBO	P1C-4LRS
Ø80	P1C-4PMEB	P1C-4PMCB	P1C-4PMAF	P1E-6PBO	P1C-4MRS
Ø100	P1C-4QMEB	P1C-4QMCB	P1C-4QMAF	P1E-6QBO	P1C-4MRS
Ø125	P1C-4RMEB	P1C-4RMCB	P1C-4RMAF	-	P1C-4RRS
	Pivot brackets AT4	Flange trunnion MTS/ MT6	Clevis AP2	Flexo coupling PM5	Nut Zinc plated steel
Ø32	9301054261	P1D-4KMYF	P1C-4KRC	P1C-4KRF	P14-4KRPZ*
Ø40	9301054262	P1D-4LMYF	P1C-4LRC	P1C-4LRF	P14-4LRPZ*
Ø50	9301054262	P1D-4MMYF	P1C-4MRC	P1C-4MRF	P14-4MRPZ*
Ø63	9301054264	P1D-4NMYF	P1C-4MRC	P1C-4MRF	P14-4MRPZ*
Ø80	9301054264	P1D-4PMYF	P1C-4PRC	P1C-4PRF	P14-4PRPZ*
Ø100	9301054266	P1D-4QMYF	P1C-4PRC	P1C-4PRF	P14-4PRPZ*
Ø125	9301054266	-	P1C-4RRC	P1C-4RRF	P14-4RRPZ*

* Sold as a quantity pack of 10 off.



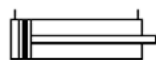
For sensors see [page 15](#)



P1P ISO 21287 Compact Cylinders, double acting, magnetic, female threaded piston rod

Maximum operating pressure: 10 bar. Temperature range -20°C to +80°C

- Bores 20 - 100mm
- Strokes 1 - 500mm
- Elastic cushioning
- Stainless piston rod
- Optional ISO 15552 mountings
- Optional sensors



Stroke (mm)	Ø20mm bore: M5 Ports	Ø25mm bore: M5 Ports	Ø32mm bore: G1/8 Ports
5	P1PS020DS7G0005	P1PS025DS7G0005	P1PS032DS7G0005
10	P1PS020DS7G0010	P1PS025DS7G0010	P1PS032DS7G0010
15	P1PS020DS7G0015	P1PS025DS7G0015	P1PS032DS7G0015
20	P1PS020DS7G0020	P1PS025DS7G0020	P1PS032DS7G0020
25	P1PS020DS7G0025	P1PS025DS7G0025	P1PS032DS7G0025
30	P1PS020DS7G0030	P1PS025DS7G0030	P1PS032DS7G0030
40	P1PS020DS7G0040	P1PS025DS7G0040	P1PS032DS7G0040
50	P1PS020DS7G0050	P1PS025DS7G0050	P1PS032DS7G0050
60	P1PS020DS7G0060	P1PS025DS7G0060	P1PS032DS7G0060
80			P1PS032DS7G0080

Stroke (mm)	Ø40mm bore: G1/8 Ports	Ø50mm bore: G1/8 Ports	Ø63mm bore: G1/8 Ports
5	P1PS040DS7G0005	P1PS050DS7G0005	P1PS063DS7G0005
10	P1PS040DS7G0010	P1PS050DS7G0010	P1PS063DS7G0010
15	P1PS040DS7G0015	P1PS050DS7G0015	P1PS063DS7G0015
20	P1PS040DS7G0020	P1PS050DS7G0020	P1PS063DS7G0020
25	P1PS040DS7G0025	P1PS050DS7G0025	P1PS063DS7G0025
30	P1PS040DS7G0030	P1PS050DS7G0030	P1PS063DS7G0030
40	P1PS040DS7G0040	P1PS050DS7G0040	P1PS063DS7G0040
50	P1PS040DS7G0050	P1PS050DS7G0050	P1PS063DS7G0050
60	P1PS040DS7G0060	P1PS050DS7G0060	P1PS063DS7G0060
80	P1PS040DS7G0080	P1PS050DS7G0080	P1PS063DS7G0080

Stroke (mm)	Ø80mm bore: G1/8 Ports	Ø100mm bore: G1/8 Ports
5	P1PS080DS7G0005	P1PS100DS7G0005
10	P1PS080DS7G0010	P1PS100DS7G0010
15	P1PS080DS7G0015	P1PS100DS7G0015
20	P1PS080DS7G0020	P1PS100DS7G0020
25	P1PS080DS7G0025	P1PS100DS7G0025
30	P1PS080DS7G0030	P1PS100DS7G0030
40	P1PS080DS7G0040	P1PS100DS7G0040
50	P1PS080DS7G0050	P1PS100DS7G0050
60	P1PS080DS7G0060	P1PS100DS7G0060
80	P1PS080DS7G0080	P1PS100DS7G0080
100	P1PS080DS7G0100	P1PS100DS7G0100



P1P ISO 21287 Cylinder Mountings

Flange MF1 / MF2

Foot brackets MS1

Pivot bracket with rigid bearing AB7

Swivel eye bracket MP6

Clevis bracket MP2



Ø20	P1P-4HMB	P1P-4HMF	-	-	-
Ø25	P1P-4JMB	P1P-4JMF	-	-	-
Ø32	P1C-4KMB	P1C-4KMF	P1C-4KMDB	P1C-4KMSB	P1C-4KMTB
Ø40	P1C-4LMB	P1C-4LMF	P1C-4LMDB	P1C-4LMSB	P1C-4LMTB
Ø50	P1C-4MMB	P1C-4MMF	P1C-4MMDB	P1C-4MMSB	P1C-4MMTB
Ø63	P1C-4NMB	P1C-4NMF	P1C-4NMDB	P1C-4NMSB	P1C-4NMTB
Ø80	P1C-4PMB	P1C-4PMF	P1C-4PMDB	P1C-4PMSB	P1C-4PMTB
Ø100	P1C-4QMB	P1C-4QMF	P1C-4QMDB	P1C-4QMSB	P1C-4QMTB

Clevis bracket MP4

Clevis bracket AB6

Pivot bracket with swivel bearing CS7

3 and 4 position flange JP1

Pivot brackets AT4



Ø20	P1P-4HME	-	-	-	P1A-4HRS
Ø25	P1P-4JME	-	-	-	P1A-4HRS
Ø32	P1C-4KMEB	P1C-4KMCEB	P1C-4KMAF	P1E-6KB0	P1C-4KRS
Ø40	P1C-4LMEB	P1C-4LMCEB	P1C-4LMAF	P1E-6LB0	P1C-4KRS
Ø50	P1C-4MMEB	P1C-4MMCEB	P1C-4MMAF	P1E-6MB0	P1C-4LRS
Ø63	P1C-4NMEB	P1C-4NMCEB	P1C-4NMAF	P1E-6NB0	P1C-4LRS
Ø80	P1C-4PMEB	P1C-4PMCEB	P1C-4PMAF	P1E-6PB0	P1C-4MRS
Ø100	P1C-4QMEB	P1C-4QMCEB	P1C-4QMAF	P1E-6QB0	P1C-4MRS

Pivot brackets AT4

Flange trunnion MTS/MT6

Clevis AP2

Flexo coupling PM5

Nut Zinc plated steel

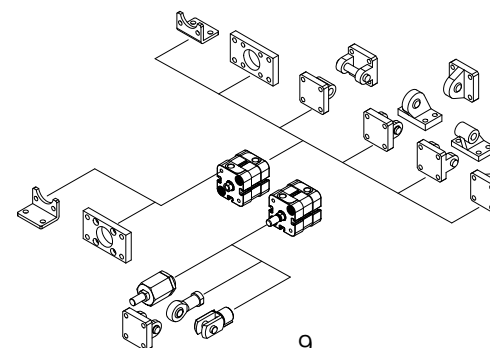


Ø20	-	-	P1A-4HRC	P1C-4HRF	P14-4HRPZ*
Ø25	-	-	P1A-4HRC	P1C-4HRF	P14-4HRPZ*
Ø32	9301054261	P1D-4KMYF	P1C-4KRC	P1C-4KRF	P14-4KRPZ*
Ø40	9301054262	P1D-4LMYF	P1C-4KRC	P1C-4KRF	P14-4KRPZ*
Ø50	9301054262	P1D-4MMYF	P1C-4LRC	P1C-4LRF	P14-4LRPZ*
Ø63	9301054264	P1D-4NMYF	P1C-4LRC	P1C-4LRF	P14-4LRPZ*
Ø80	9301054264	P1D-4PMYF	P1C-4MRC	P1C-4MRF	P14-4MRPZ*
Ø100	9301054266	P1D-4QMYF	P1C-4MRC	P1C-4MRF	P14-4MRPZ*

* Sold as a quantity pack of 10 off.



For sensors see [page 15](#)

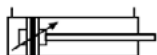


P1A Mini ISO 6432 Cylinders, double acting, magnetic, male threaded piston rod

Maximum operating pressure: 10 bar. Temperature range -20°C to +80°C

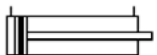
- Bores 10 - 25mm
- Strokes 1 - 1000mm
- Stainless piston rod
- Optional ISO mountings
- Optional sensors

Double acting with adjustable cushioning



Stroke (mm)	Ø20mm bore: M5 Ports	Ø20mm bore: G1/8 Ports	Ø25mm bore: G1/8 Ports
25	P1A-S016MS-0025	P1A-S020MS-0025	P1A-S025MS-0025
50	P1A-S016MS-0050	P1A-S020MS-0050	P1A-S025MS-0050
100	P1A-S016MS-0100	P1A-S020MS-0100	P1A-S025MS-0100

Double acting with buffer cushioning



Stroke (mm)	Ø10mm bore: M5 Ports	Ø12mm bore: M5 Ports	Ø16mm bore: M5 Ports
10	P1A-S010DS-0010	P1A-S012DS-0010	P1A-S016DS-0010
25	P1A-S010DS-0025	P1A-S012DS-0025	P1A-S016DS-0025
50	P1A-S010DS-0050	P1A-S012DS-0050	P1A-S016DS-0050
80	P1A-S010DS-0080	P1A-S012DS-0080	P1A-S016DS-0080

Stroke (mm)	Ø20mm bore: G1/8 Ports	Ø25mm bore: G1/8 Ports
10	P1A-S020DS-0010	P1A-S025DS-0010
25	P1A-S020DS-0025	P1A-S025DS-0025
50	P1A-S020DS-0050	P1A-S025DS-0050
80	P1A-S020DS-0080	P1A-S025DS-0080
100	P1A-S020DS-0100	P1A-S025DS-0100
125	P1A-S020DS-0125	P1A-S025DS-0125
160	P1A-S020DS-0160	P1A-S025DS-0160

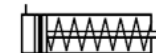


P1A Mini ISO 6432 Cylinders, single acting, magnetic, male threaded piston rod

Maximum operating pressure: 10 bar. Temperature range -20°C to +80°C.

- Bores 10 - 25mm
- Stainless piston rod
- Optional ISO mountings
- Optional sensors

Single acting - Spring return



Stroke (mm)	Ø10mm bore: M5 Ports	Ø12mm bore: M5 Ports	Ø16mm bore: M5 Ports
10	P1A-S010SS-0010	-	-
25	P1A-S010SS-0025	P1A-S012SS-0025	P1A-S016SS-0025
50	-	P1A-S012SS-0050	P1A-S016SS-0050

Stroke (mm)	Ø20mm bore: G1/8 Ports	Ø25mm bore: G1/8 Ports
10	-	-
25	P1A-S020SS-0025	P1A-S025SS-0025
50	P1A-S020SS-0050	P1A-S025SS-0050

Single acting - Spring extend



Stroke (mm)	Ø16mm bore: M5 Ports	Ø20mm bore: G1/8 Ports	Ø25mm bore: G1/8 Ports
10	-	-	-
25	P1A-S016TS-0025	P1A-S020TS-0025	P1A-S025TS-0025
50	P1A-S016TS-0050	P1A-S020TS-0050	P1A-S025TS-0050

P1A Mini ISO 6432 Cylinder Mountings

M8 Flange



MS3 Foot



AB3 Clevis Bracket



AP6 Swivel rod eye



AP4 Clevis



	M8 Flange	MS3 Foot	AB3 Clevis Bracket	AP6 Swivel rod eye	AP4 Clevis
Ø10	P1A-4CMB	P1A-4CMF	P1A-4CMT	P1A-4CRS	P1A-4CRC
Ø12	P1A-4DMB	P1A-4DMF	P1A-4DMT	P1A-4DRS	P1A-4DRC
Ø16	P1A-4DMB	P1A-4DMF	P1A-4DMT	P1A-4DRS	P1A-4DRC
Ø20	P1A-4HMB	P1A-4HMF	P1A-4HMT	P1A-4JRS	P1A-4JRC
Ø25	P1A-4HMB	P1A-4HMF	P1A-4HMT	P1A-4JRS	P1A-4JRC



For sensors see [page 15](#)

