

P1D-L Rod Locking Cylinders

P1D-L is a series of extremely compact rod lock cylinders for demanding applications. This version allows the piston rod to be locked in any position but can also be used as a brake (limits apply) thanks to the rigid design. With helical grooves on the precision clamping sleeves the locking function allows for applications where the piston rod is exposed to liquids and contamination.

- Available in 32 to 125 mm bores
- PUR seals for long service life
- Drop-in sensors
- Corrosion resistant design
- Magnetic piston as standard
- Full range of ISO mountings
- Lubricated with food grade grease



Operating information - P1D-L

Working pressure:	Max 10 bar
Working temperature:	-20°C to +80°C
Release pressure ¹⁾	Min 4 bar

¹⁾ Signal pressure to inlet port of lock unit

For more information see www.parker.com/euro_pneumatic

P1D-L - Dynamic Rod Lock

Ø32mm - (G^{1/8})

Stroke mm	Order code
25	P1D-L032MC-0025
40	P1D-L032MC-0040
50	P1D-L032MC-0050
80	P1D-L032MC-0080
100	P1D-L032MC-0100
125	P1D-L032MC-0125
160	P1D-L032MC-0160
200	P1D-L032MC-0200
250	P1D-L032MC-0250
320	P1D-L032MC-0320
400	P1D-L032MC-0400
500	P1D-L032MC-0500

Ø40mm - (G^{1/4})

Stroke mm	Order code
25	P1D-L040MC-0025
40	P1D-L040MC-0040
50	P1D-L040MC-0050
80	P1D-L040MC-0080
100	P1D-L040MC-0100
125	P1D-L040MC-0125
160	P1D-L040MC-0160
200	P1D-L040MC-0200
250	P1D-L040MC-0250
320	P1D-L040MC-0320
400	P1D-L040MC-0400
500	P1D-L040MC-0500

Ø50mm - (G^{1/4})

Stroke mm	Order code
25	P1D-L050MC-0025
40	P1D-L050MC-0040
50	P1D-L050MC-0050
80	P1D-L050MC-0080
100	P1D-L050MC-0100
125	P1D-L050MC-0125
160	P1D-L050MC-0160
200	P1D-L050MC-0200
250	P1D-L050MC-0250
320	P1D-L050MC-0320
400	P1D-L050MC-0400
500	P1D-L050MC-0500

Ø63mm - (G^{3/8})

Stroke mm	Order code
25	P1D-L063MC-0025
40	P1D-L063MC-0040
50	P1D-L063MC-0050
80	P1D-L063MC-0080
100	P1D-L063MC-0100
125	P1D-L063MC-0125
160	P1D-L063MC-0160
200	P1D-L063MC-0200
250	P1D-L063MC-0250
320	P1D-L063MC-0320
400	P1D-L063MC-0400
500	P1D-L063MC-0500

Ø80mm - (G^{3/8})

Stroke mm	Order code
25	P1D-L080MS-0025
40	P1D-L080MC-0040
50	P1D-L080MC-0050
80	P1D-L080MC-0080
100	P1D-L080MC-0100
125	P1D-L080MC-0125
160	P1D-L080MC-0160
200	P1D-L080MC-0200
250	P1D-L080MC-0250
320	P1D-L080MC-0320
400	P1D-L080MC-0400
500	P1D-L080MC-0500

Ø100mm - (G^{1/2})

Stroke mm	Order code
25	P1D-L100MC-0025
40	P1D-L100MC-0040
50	P1D-L100MC-0050
80	P1D-L100MC-0080
100	P1D-L100MC-0100
125	P1D-L100MC-0125
160	P1D-L100MC-0160
200	P1D-L100MC-0200
250	P1D-L100MC-0250
320	P1D-L100MC-0320
400	P1D-L100MC-0400
500	P1D-L100MC-0500

Ø125mm - (G^{1/2})

Stroke mm	Order code
25	P1D-L125MC-0025
40	P1D-L125MC-0040
50	P1D-L125MC-0050
80	P1D-L125MC-0080
100	P1D-L125MC-0100
125	P1D-L125MC-0125
160	P1D-L125MC-0160
200	P1D-L125MC-0200
250	P1D-L125MC-0250
320	P1D-L125MC-0320
400	P1D-L125MC-0400
500	P1D-L125MC-0500

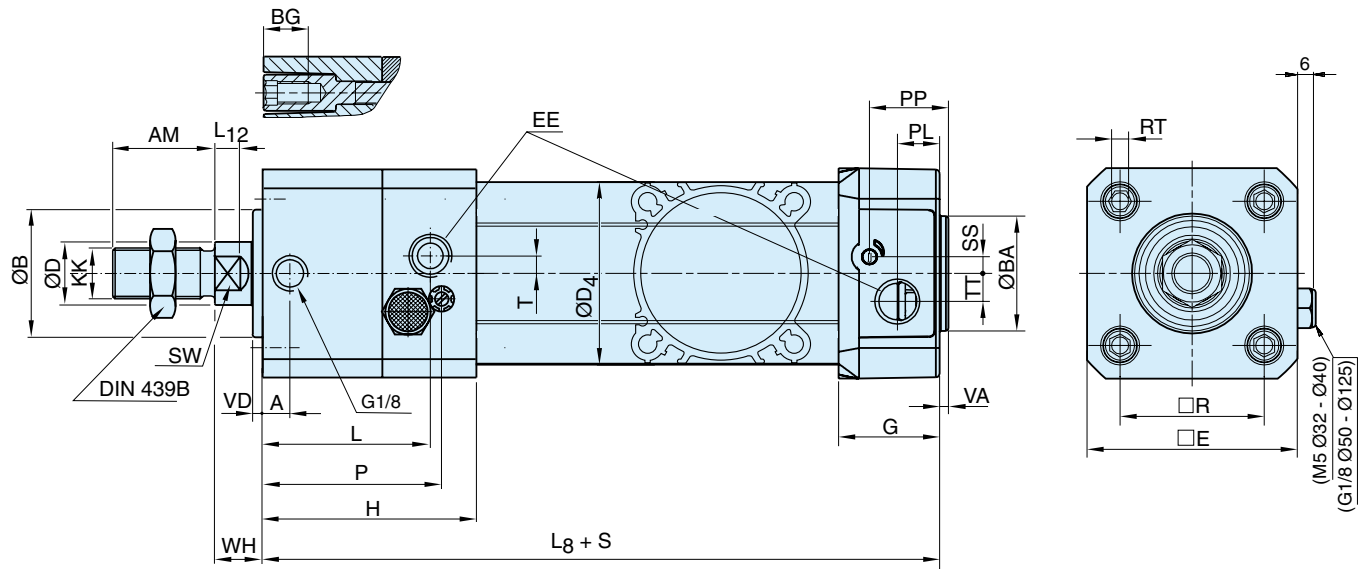
The cylinders are supplied complete with a zinc plated steel piston rod nut.

Sensors



For sensors see page 77.

P1D-L Series



Dimensions

Cylinder bore mm	A mm	AM mm	B mm	BA mm	BG mm	D mm	D4 mm	E mm	EE mm	G mm	H mm	KK mm	L mm
32	18,5	22	30	30	16	12	45,0	50,0	G1/8	28,5	71,0	M10x1,25	53,0
40	20,0	24	35	35	16	16	52,0	57,4	G1/4	33,0	76,5	M12x1,25	56,0
50	21,0	32	40	40	16	20	60,7	69,4	G1/4	33,5	80,0	M16x1,5	65,0
63	30,0	32	45	45	16	20	71,5	82,4	G3/8	39,5	96,0	M16x1,5	76,5
80	35,0	40	45	45	17	25	86,7	99,4	G3/8	39,5	110,0	M20x1,5	89,0
100	54,0	40	55	55	17	25	106,7	116,0	G1/2	44,5	132,0	M20x1,5	112,0
125	65,5	54	60	60	20	32	134,0	139,0	G1/2	51,0	144,5	M27x2	124,5

Cylinder bore mm	L8 mm	L12 mm	P mm	PL mm	PP mm	R mm	RT mm	SS mm	SW mm	T mm	TT mm	VA mm	VD mm	WH mm
32	137	6,0	63,0	13,0	21,8	32,5	M6	4,0	10	4,5	4,5	3,5	4,5	15
40	149	6,5	67,5	14,0	21,9	38,0	M6	8,0	13	3,0	5,5	3,5	4,5	16
50	153	8,0	71,0	14,0	23,0	46,5	M8	4,0	17	5,5	7,5	3,5	5,0	17
63	178	8,0	87,0	16,4	27,4	56,5	M8	6,5	17	3,0	11,0	3,5	5,0	17
80	199	10,0	101,0	16,0	30,5	72,0	M10	0	22	6,0	15,0	3,5	4,0	20
100	226	14,0	122,0	18,0	35,8	89,0	M10	0	22	6,0	20,0	3,5	4,0	20
125	254	18,0	134,5	28,0	40,5	110,0	M12	0	27	6,0	17,5	5,5	6,0	27

S=Stroke

Tolerances

Cylinder bore mm	B mm	BA mm	L ₃ mm	L ₉ mm	R mm	Stroke tolerance up to stroke 500 mm	Stroke tolerance for stroke over 500 mm
32	d11	d11	±0,4	±2	±0,5	+0,3/+2,0	+0,3/+3,0
40	d11	d11	±0,7	±2	±0,5	+0,3/+2,0	+0,3/+3,0
50	d11	d11	±0,7	±2	±0,6	+0,3/+2,0	+0,3/+3,0
63	d11	d11	±0,8	±2	±0,7	+0,3/+2,0	+0,3/+3,0
80	d11	d11	±0,8	±3	±0,7	+0,3/+2,0	+0,3/+3,0
100	d11	d11	±1,0	±3	±0,7	+0,3/+2,0	+0,3/+3,0
125	d11	d11	±1,0	±3	±1,1	+0,3/+2,0	+0,3/+3,0

For mountings refer to page 29.

P1D cylinder with static piston rod locking

The P1D cylinder is available in a version with piston rod locking, allowing the piston rod to be locked in any position. The lock unit, of the air/spring actuated type. With no signal pressure, the full force of the lock is applied to the piston rod. Lock units are available for P1D Standard, in bores 32-125 mm. Of course, the entire range of P1D accessories can also be used for the locking cylinder, which can be ordered with factory fitted accessories, sensors. However, the lock unit increases the overall length of the cylinder. Not certified for used in safety systems.



Operating information - P1D-H

Working pressure:	Max 10 bar
Working temperature:	-20°C to +80°C
Release pressure ¹⁾	Min 4 bar

¹⁾ Signal pressure to inlet port of lock unit

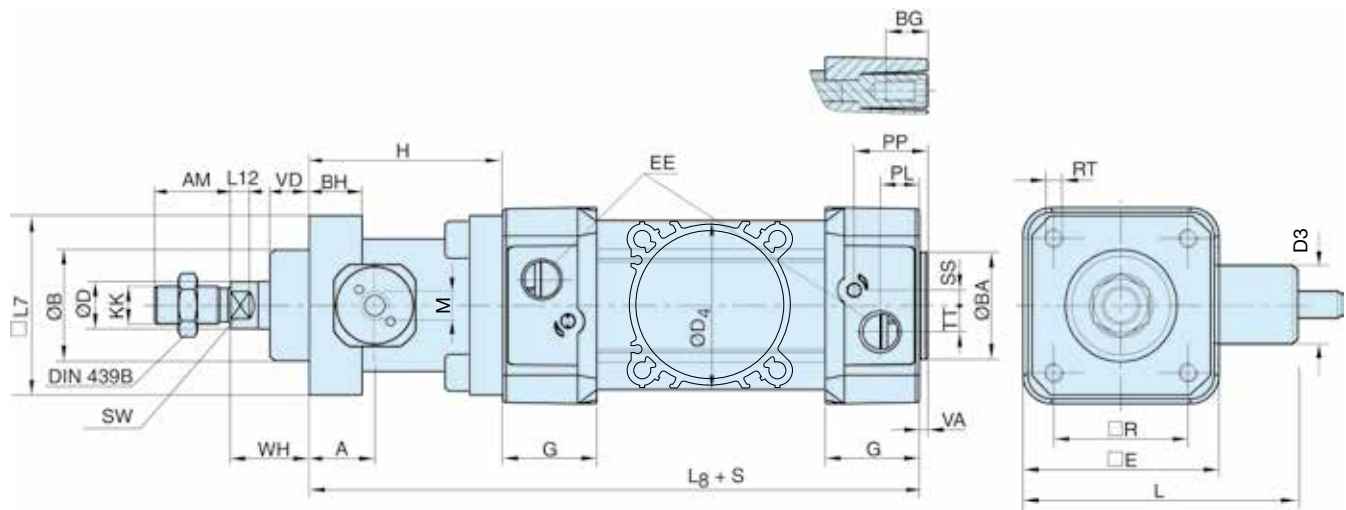
For more information see www.parker.com/euro_pneumatic

Cyl. bore mm	Stroke mm	Order code
32 Conn. G1/8	25	P1D-H032MC-0025
	40	P1D-H032MC-0040
	50	P1D-H032MC-0050
	80	P1D-H032MC-0080
	100	P1D-H032MC-0100
	125	P1D-H032MC-0125
	160	P1D-H032MC-0160
	200	P1D-H032MC-0200
	250	P1D-H032MC-0250
	320	P1D-H032MC-0320
400	P1D-H032MC-0400	
500	P1D-H032MC-0500	
40 Conn. G1/4	25	P1D-H040MC-0025
	40	P1D-H040MC-0040
	50	P1D-H040MC-0050
	80	P1D-H040MC-0080
	100	P1D-H040MC-0100
	125	P1D-H040MC-0125
	160	P1D-H040MC-0160
	200	P1D-H040MC-0200
	250	P1D-H040MC-0250
	320	P1D-H040MC-0320
400	P1D-H040MC-0400	
500	P1D-H040MC-0500	
50 Conn. G1/4	25	P1D-H050MC-0025
	40	P1D-H050MC-0040
	50	P1D-H050MC-0050
	80	P1D-H050MC-0080
	100	P1D-H050MC-0100
	125	P1D-H050MC-0125
	160	P1D-H050MC-0160
	200	P1D-H050MC-0200
	250	P1D-H050MC-0250
	320	P1D-H050MC-0320
400	P1D-H050MC-0400	
500	P1D-H050MC-0500	
63 Conn. G3/8	25	P1D-H063MC-0025
	40	P1D-H063MC-0040
	50	P1D-H063MC-0050
	80	P1D-H063MC-0080
	100	P1D-H063MC-0100
	125	P1D-H063MC-0125
	160	P1D-H063MC-0160
	200	P1D-H063MC-0200
	250	P1D-H063MC-0250
	320	P1D-H063MC-0320
400	P1D-H063MC-0400	
500	P1D-H063MC-0500	

Cyl. bore mm	Stroke mm	Order code
80 Conn. G3/8	25	P1D-H080MC-0025
	40	P1D-H080MC-0040
	50	P1D-H080MC-0050
	80	P1D-H080MC-0080
	100	P1D-H080MC-0100
	125	P1D-H080MC-0125
	160	P1D-H080MC-0160
	200	P1D-H080MC-0200
	250	P1D-H080MC-0250
	320	P1D-H080MC-0320
400	P1D-H080MC-0400	
500	P1D-H080MC-0500	
100 Conn. G1/2	25	P1D-H100MC-0025
	40	P1D-H100MC-0040
	50	P1D-H100MC-0050
	80	P1D-H100MC-0080
	100	P1D-H100MC-0100
	125	P1D-H100MC-0125
	160	P1D-H100MC-0160
	200	P1D-H100MC-0200
	250	P1D-H100MC-0250
	320	P1D-H100MC-0320
400	P1D-H100MC-0400	
500	P1D-H100MC-0500	
125 Conn. G1/2	25	P1D-H125MC-0025
	40	P1D-H125MC-0040
	50	P1D-H125MC-0050
	80	P1D-H125MC-0080
	100	P1D-H125MC-0100
	125	P1D-H125MC-0125
	160	P1D-H125MC-0160
	200	P1D-H125MC-0200
	250	P1D-H125MC-0250
	320	P1D-H125MC-0320
400	P1D-H125MC-0400	
500	P1D-H125MC-0500	

The cylinders are supplied complete with one zinc plated steel piston rod nut.

P1D-H Series



Dimensions (mm)

Cylinder bore mm	A	AM	B	BA	BG	BH	D	D3	D4	E	EE	G	H	KK
32	16,0	22	30	30	16	12	12	22,5	45,0	50,0	G1/8	28,5	48,0	M10x1,25
40	19,5	24	35	35	16	12	16	27,5	52,0	57,4	G1/4	33,0	55,0	M12x1,25
50	21,0	32	40	40	16	16	20	32,5	60,7	69,4	G1/4	33,5	70,0	M16x1,5
63	21,0	32	45	45	16	15	20	41,0	71,5	82,4	G3/8	39,5	70,0	M16x1,5
80	28,0	40	45	45	17	16	25	49,0	86,7	99,4	G3/8	39,5	90,0	M20x1,5
100	27,0	40	55	55	17	18	25	53,0	106,7	116,0	G1/2	44,5	92,0	M20x1,5
125	37,0	54	60	60	20	27	32	65,0	134,0	139,0	G1/2	51,0	122,0	M27x2

Cylinder bore mm	L	L7	L8	L12	M	PL	PP	R	RT	SS	SW	TT	VA	VD	WH
32	94,0	48	142	6,0	M5	13,0	21,8	32,5	M6	4,0	10	4,5	3,5	10	26
40	102,5	56	160	6,5	G1/8	14,0	21,9	38,0	M6	8,0	13	5,5	3,5	10	30
50	119,5	68	176	8,0	G1/8	14,0	23,0	46,5	M8	4,0	17	7,5	3,5	12	37
63	138,0	82	203	8,0	G1/8	16,4	27,4	56,5	M8	6,5	17	11,0	3,5	12	37
80	152,0	100	218	10,0	G1/8	16,0	30,5	72,0	M10	0	22	15,0	3,5	20	46
100	193,5	120	230	14,0	G1/8	18,0	35,8	89,0	M10	0	22	20,0	3,5	23	51
125	223,5	140	282	18,0	G1/8	28,0	40,5	110,0	M12	0	27	17,5	5,5	32	65

S=Stroke

Tolerances (mm)

Cylinder bore mm	B	BA	L ₈	L ₉	R	Stroke tolerance up to stroke 500 mm	Stroke tolerance for stroke over 500 mm
32	d11	d11	±0,4	±2	±0,5	+0,3/+2,0	+0,3/+3,0
40	d11	d11	±0,7	±2	±0,5	+0,3/+2,0	+0,3/+3,0
50	d11	d11	±0,7	±2	±0,6	+0,3/+2,0	+0,3/+3,0
63	d11	d11	±0,8	±2	±0,7	+0,3/+2,0	+0,3/+3,0
80	d11	d11	±0,8	±3	±0,7	+0,3/+2,0	+0,3/+3,0
100	d11	d11	±1,0	±3	±0,7	+0,3/+2,0	+0,3/+3,0
125	d11	d11	±1,0	±3	±1,1	+0,3/+2,0	+0,3/+3,0

P1E Rod Guidance Module

Ball bearings are greased for life, for extra protection external wiper seals are fitted on each face of the unit.

Aluminium body provides 3 mounting faces.

Anti-rotation achieved by 4 integral bearings. Choice of linear ball bearings or plain PTFE coated bearings

Mounting flange

Self aligning adaptor for ISO cylinder piston rod.

Cylinder mounting conforms to ISO 6431 and DIN 24335 standard

Lubrication points.

Guide bars: Ball bearing versions stainless steel. Plain bearing version hard chrome plated.

Installation on P1D-L with lock unit
 If rotary control is to be retrofitted to a P1D-L with lock unit, the piston rod must be extended to provide the same WH dimensions as for the P1D base cylinder, as shown in the table below.

Cyl. dim mm	Piston rod extension on P1D-L with lock unit mm
32	11
40	14
50	20
63	20
80	26
100	31

P1E with rod guidance modules

The P1D series cylinders can be equipped with an external guiding device to prevent the piston rod from turning. The factory fitted guide gives a guided piston movement and enables the cylinder to take up turning moments on the piston rod, as well as greater transverse forces. The rod guidance is available with plain bearings or linear ball bearings and with H or U style. The bracket, which has pre-drilled mounting holes, is connected to the piston rod by means of a flexo coupling, which prevents the build-up of stresses in the cylinder. P1D cylinders with guiding devices are available with bores from 32 to 100 mm, and standard stroke lengths from 25 to 250 mm. Special stroke lengths up to 500 mm can also be obtained. Separate guiding device kits can be supplied on request according to the order key below.

Technical data

Working temperature -20 °C to +80 °C

Material specifications, guidance modules

Body	Anodised aluminium
Guide bars, H style	Stainless steel for ball bearing chrome plated for plain bearing
Front plate	Anodised aluminium
Guide bars, U style	Stainless steel
Front plate	Zinc-plated steel
Bearings	Plain bearings Linear ball bearings

Order key for separate guidance module

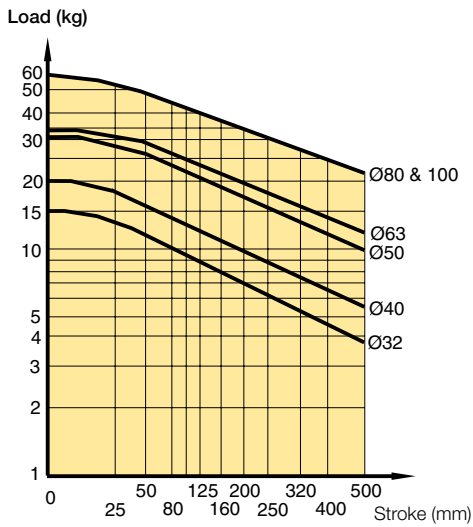
P1E - **4KRH** - **0100**

Bore size mm		Guide module type		Stroke length (mm)
K	32	H	H style, ball bearings	Same as for the cylinder e.g. 0100 = 100 mm.
L	40	J	H style, plain bearings	
M	50	K	U style, plain bearings	
N	63			
P	80			
Q	100			

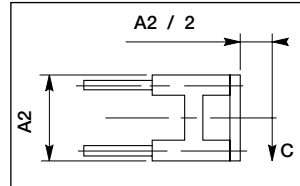
Technical information 'H style'

Rod guide with ball bearings

Maximum load carried

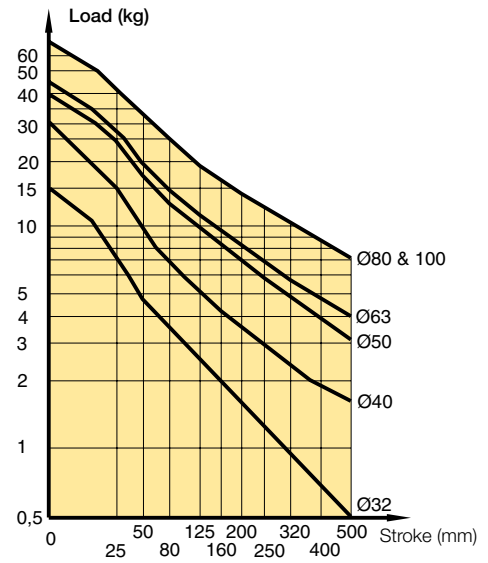


Graphs established at mid point of stroke

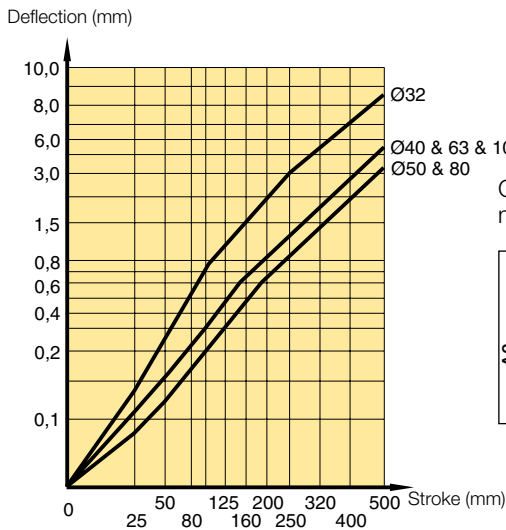


Rod guide with plain bearings

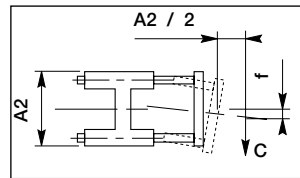
Maximum load carried



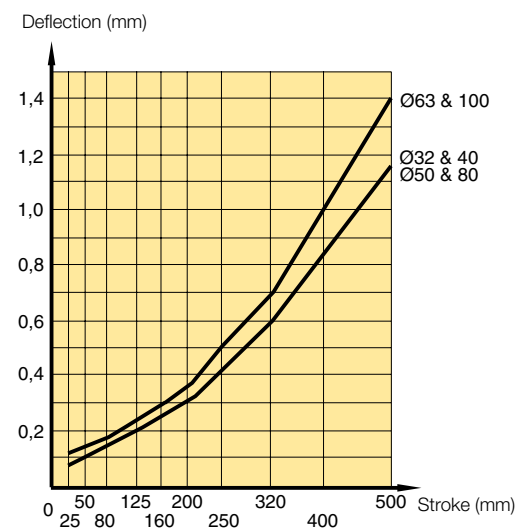
Maximum deflection/max load



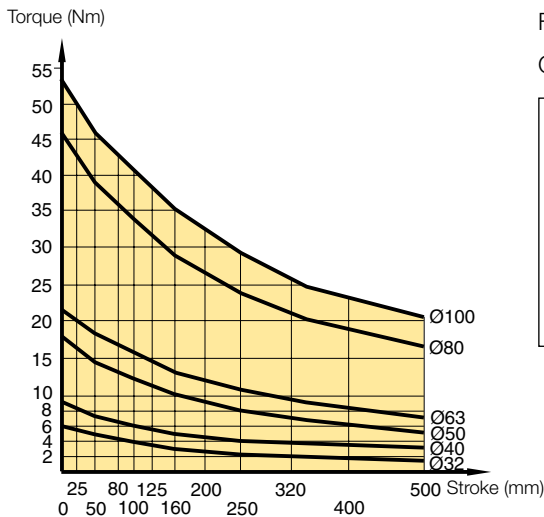
Graphs established at mid point of stroke



Maximum deflection/max load

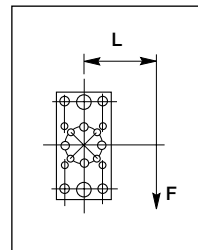


Maximum permissible torque (Nm)

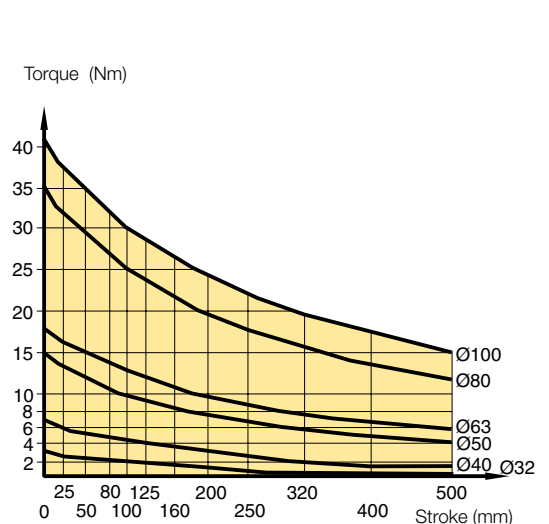


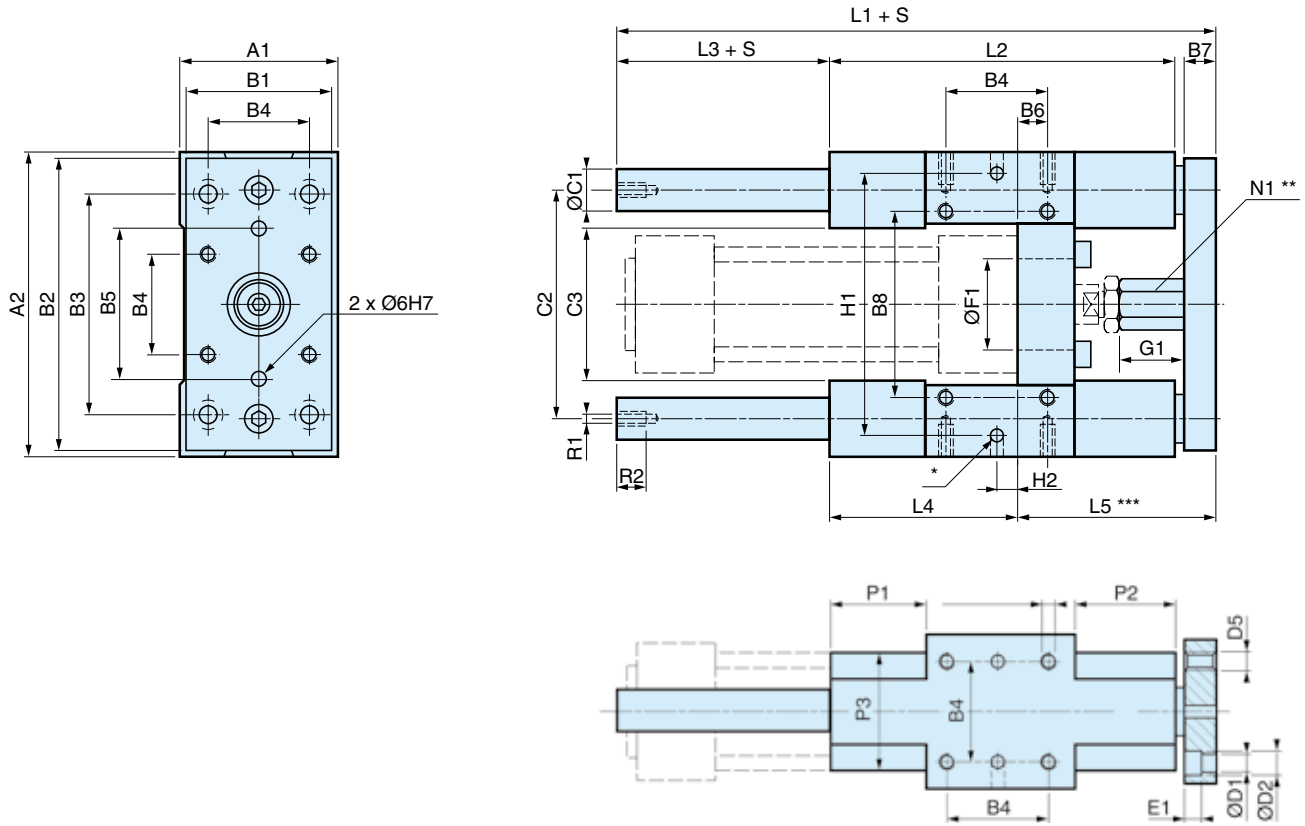
Formula:

$$C(Nm) = F(N) \times L(m)$$



Maximum permissible torque (Nm)





Dimensions, H style guidance modules

Cyl. bore mm	A ₁ mm	A ₂ mm	B ₁ mm	B ₂ mm	B ₃ mm	B ₄ mm	B ₅ mm	B ₆ mm	B ₇ mm	B ₈ mm	ØC ₁ mm	C ₂ mm	C ₃ mm	ØD ₁ mm	ØD ₂ mm	D ₅
32	50	97	45	90	78	32,5	50	4,2	12	61	12	73,5	50	6,6	11	M6
40	58	115	54	110	84	38,0	54	11,0	12	69	16	86,5	58	6,6	11	M6
50	70	137	63	130	100	46,5	72	18,8	15	85	20	103,5	70	8,4	15	M8
63	85	152	80	145	105	56,5	82	15,0	15	100	20	118,5	83	8,4	15	M8
80	105	189	100	180	130	72,0	106	21,0	20	130	25	147,0	102	10,5	18	M10
100	130	213	120	200	150	89,0	131	24,5	20	150	25	171,5	125	10,5	18	M10

Cyl. bore mm	E ₁ mm	Ø F ₁ ^{+0,1/0} G ₁ mm	L ₁ mm	L ₂ mm	L ₃ mm	L ₄ mm	L ₅ mm	N ₁ mm	P ₁ ±1 mm	P ₂ ±1 mm	P ₃ mm	R ₁ mm	R ₂ mm	W mm	mm
32	7	30	17	150	120	15	71	64	17	36	31	40	M6	11	5
40	7	35	24	170	130	25	71	74	17	36	36	44	M6	11	6
50	9	40	27	197	150	24	79	89	24	42	44	50	M8	16	8
63	9	45	27	222	180	24	109	89	24	58	44	60	M8	16	8
80	11	45	32	247	200	24	113	110	30	50	52	70	M10	16	10
100	11	55	32	267	220	24	128	115	30	49	51	70	M10	16	10

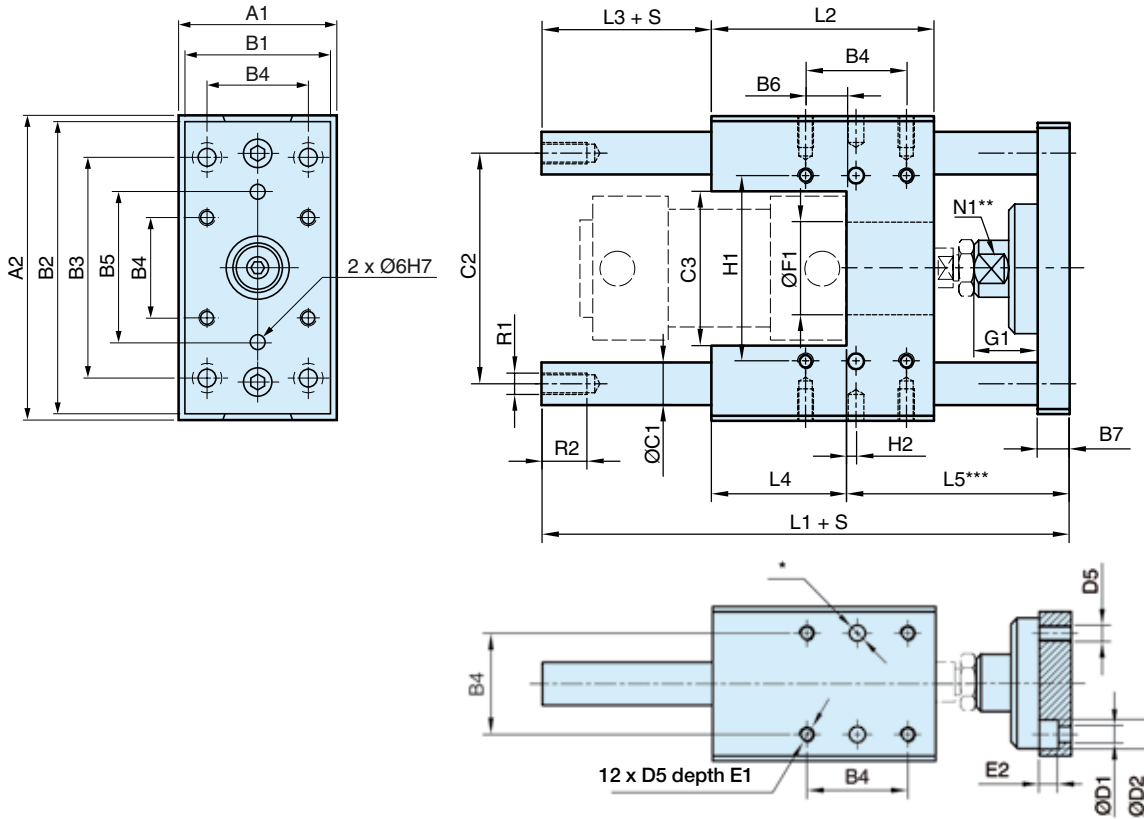
Cyl. bore mm	H ₁ ^{+0,05} mm	H ₂ mm	T mm	Weight at 0 mm stroke kg	Supplement weight per 10 mm stroke kg
32	81	11,7	12	0,970	0,018
40	99	8,0	12	1,550	0,032
50	119	4,2	16	2,560	0,050
63	132	13,0	16	3,570	0,050
80	166	15,0	20	6,530	0,078
100	190	20,5	20	8,760	0,078

S = Stroke length

* 6 hole Ø6^{H7}, depth 10^{+1/0}

** Hexagon profile

*** Min adjustment=0, max.=W



Dimensions, U style guidance modules

Cyl. bore. mm	A ₁ mm	A ₂ mm	B ₁ mm	B ₂ mm	B ₃ mm	B ₄ mm	B ₅ mm	B ₆ mm	B ₇ mm	C ₁ mm	C ₂ mm	C ₃ mm	D ₁ mm	D ₂ mm	D ₅
32	50	97	45	90	78	32,5	50	18,0	12	12	74	50	6,6	11	M6
40	58	115	54	110	84	38,0	54	15,5	12	16	87	58	6,6	11	M6
50	70	137	63	130	100	46,5	72	19,5	15	20	104	70	9,0	15	M8
63	85	152	80	145	105	56,5	82	29,5	15	20	119	85	9,0	15	M8
80	105	189	100	180	130	72,0	106	39,0	20	25	148	105	11,0	18	M10
100	130	213	120	200	150	89,0	131	53,5	20	25	172	130	11,0	18	M10

Cyl. bore. mm	E ₁ mm	E ₂ mm	Ø F ₁ ^{+0,1/0} mm	G ₁	L ₁ mm	L ₂ mm	L ₃ mm	L ₄ mm	L ₅ mm	N ₁ mm	R ₁ mm	R ₂	H ₁ ^{±0,05} mm	H ₂ mm	W ^{***} mm
32	10	6,5	30	30	133	72	14	44	75	13	M6	11	61	1,75	5
40	10	6,5	35	36	149	84	12	51	86	15	M8	12	69	3,50	5
50	13	9,0	40	42	175	100	12	60	103	22	M8	12	85	3,75	5
63	13	9,0	45	42	190	115	12	75	103	22	M8	12	100	1,25	5
80	16	11,0	45	49	238	162	0	112	126	27	M10	16	130	3,00	6
100	16	11,0	55	49	249	167	6	112	131	27	M10	16	150	8,50	6

Cyl. bore mm	Weight at 0 mm stroke kg	Supplement weight per 10 mm stroke kg
32	0,970	0,018
40	1,550	0,315
50	2,560	0,493
63	3,570	0,493
80	6,530	0,770
100	8,760	0,770

S = Stroke length

* 6 hole Ø6^{H7}, depth 10^{+1/0}

** Width of jaw

*** Min adjustment=0, max.=W

P8S-G sensors



The P1D sensors can easily be installed from the side in the sensor groove, at any position along the piston stroke. The sensors are completely recessed and thus mechanically protected. Choose between electronic or reed sensors and several cable lengths and 8 mm and M12 connectors. The same standard sensors are used for all P1D versions.

Electronic sensors

The electronic sensors are "Solid State", i.e. they have no moving parts at all. They are provided with short-circuit protection and transient protection as standard. The built-in electronics make the sensors suitable for applications with high on and off switching frequency, and where very long service life is required.

Reed sensors

The sensors are based on proven reed switches, which offer reliable function in many applications. Simple installation, a protected position on the cylinder and clear LED indication are important advantages of this range of sensors.

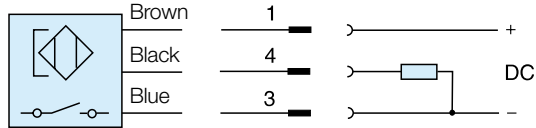
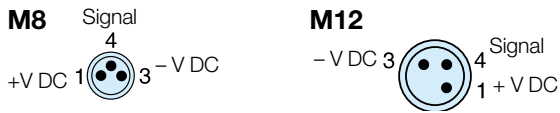
Technical data

Design	GMR (Giant Magnetic Resistance) magneto-resistive function
Installation	From side, down into the sensor groove, so-called drop-in
Outputs	PNP, normally open (also available in NPN design, normally closed, on request)
Voltage range	10-30 VDC 10-18 V DC, ATEX sensor
Ripple	max 10%
Voltage drop	max 2,5 V
Load current	max 100 mA
Internal consumption	max 10 mA
Actuating distance	min 9 mm
Hysteresis	max 1,5 mm
Repeatability accuracy	max 0,2 mm
On/off switching frequency	max 5 kHz
On switching time	max 2 ms
Off switching time	max 2 ms
Encapsulation	IP 67 (EN 60529)
Temperature range	-25 °C to +75 °C -20 °C to +45 °C, ATEX sensor
Indication	LED, yellow
Material housing	PA 12
Material screw	Stainless steel
Cable	PVC or PUR 3x0.25 mm ² see order code respectively

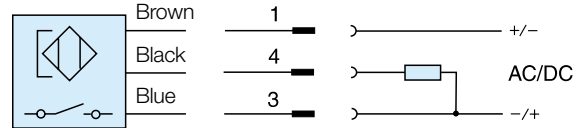
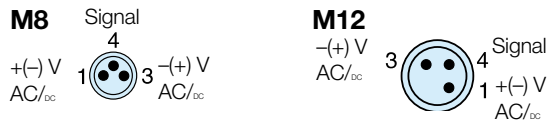
Technical data

Design	Reed element
Mounting	From side, down into the sensor groove, so-called drop-in
Output	Normally open , or normally closed
Voltage range	10-30 V AC/DC or 10-120 V AC/DC 24-230 V AC/DC
Load current	max 500 mA for 10-30 V or max 100 mA for 10-120 V max 30 mA for 24-230 V
Breaking power (resistive)	max 6 W/VA
Actuating distance	min 9 mm
Hysteresis	max 1,5 mm
Repeatability accuracy	0,2 mm
On/off switching frequency	max 400 Hz
On switching time	max 1,5 ms
Off switching time	max 0,5 ms
Encapsulation	IP 67 (EN 60529)
Temperature range	-25 °C to +75 °C
Indication	LED, yellow
Material housing	PA12
Material screw	Stainless steel
Cable	PVC or PUR 3x0.14 mm ² see order code respectively

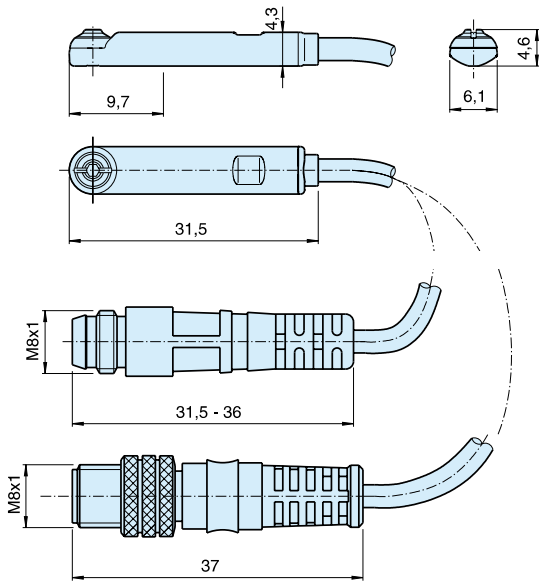
Electronic sensors



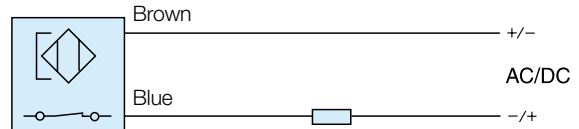
Reed sensors



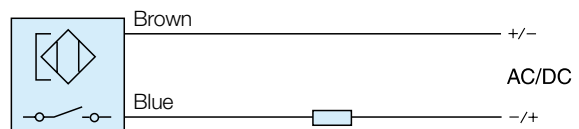
Sensor Dimensions



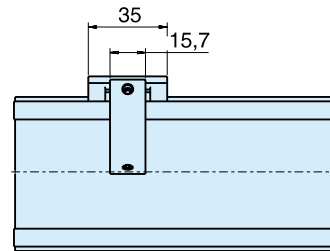
P8S-GCFPX



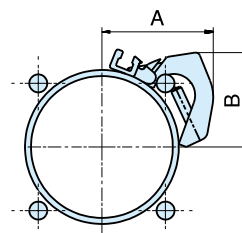
P8S-GRFLX / P8S-GRFLX2



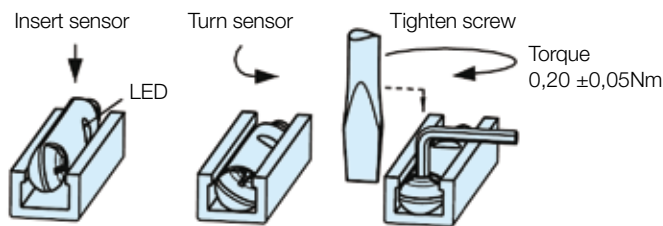
Sensor mounting - P1D-T 32 - 125mm
 P8S-TMA0X



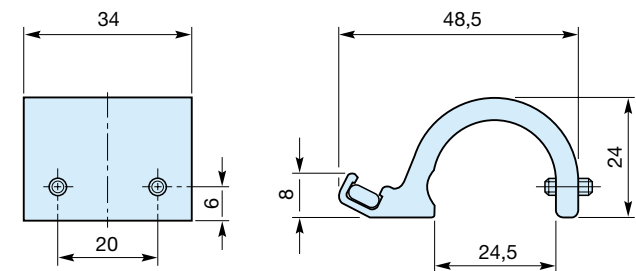
Cyl. bore mm	A mm	B mm
32	35	26
40	39	30
50	44	30
63	50	42
80	54	52
100	62	60
125	74	69



Sensor Installation - P1D-S / B / C / X
 P1Q / P1P



Sensor mounting - P1D-T 160 - 320mm
 PD48956



Order code

PD48956

Ordering data

Output/function	Cable/connector	Weight kg	Order code
Electronic sensors , 10-30 V DC			
PNP type, normally open	0,27 m PUR-cable and 8 mm snap-in male connector	0,007	P8S-GPSHX
PNP type, normally open	0,27 m PUR-cable and M12 screw male connector	0,015	P8S-GPMHX
PNP type, normally open	3 m PVC-cable without connector	0,030	P8S-GPFLX
PNP type, normally open	10 m PVC-cable without connector	0,110	P8S-GPFTX
Reed sensors , 10-30 V AC/DC			
Normally open	0,27 m PUR-cable and 8 mm snap-in male connector	0,007	P8S-GSSHX
Normally open	0,27 m PUR-cable and M12 screw male connector	0,015	P8S-GSMHX
Normally open	3 m PVC-cable without connector	0,030	P8S-GSFLX
Normally open	10 m PVC-cable without connector	0,110	P8S-GSFTX
Normally closed	5m PVC-cable without connector ⁽¹⁾	0,050	P8S-GCFPX
Reed sensors, 10-120 V AC/DC			
Normally open	3 m PVC-cable without connector	0,030	P8S-GRFLX
Reed sensorer, 24-230 V AC/DC			
Normally open	3 m PVC-cable without connector	0,030	P8S-GRFLX2

1) Without LED

Sensor mounting

Description	Weight kg	Order code
Sensor mounting for cylinder P1A cylinder bore Ø10 to Ø25 mm	0,07	P8S-TMC01
Double jointed adapter for cylinder P1D-T cylinder bore Ø32 to Ø125 mm	0,07	P8S-TMA0X
Sensor mounting for P1D-T 160 - 320mm	0,040	PD48956

Connecting cables with one connector

The cables have an integral snap-in female connector.



Type of cable	Cable/connector	Weight kg	Order code
Cables for sensors, complete with one female connector			
Cable, Flex PVC	3 m, 8 mm Snap-in connector	0,07	9126344341
Cable, Flex PVC	10 m, 8 mm Snap-in connector	0,21	9126344342
Cable, Polyurethane	3 m, 8 mm Snap-in connector	0,01	9126344345
Cable, Polyurethane	10 m, 8 mm Snap-in connector	0,20	9126344346
Cable, Polyurethane	5 m, M12 screw connector	0,07	9126344348
Cable, Polyurethane	10 m, M12 screw connector	0,20	9126344349

Male connectors for connecting cables

Cable connectors for producing your own connecting cables. The connectors can be quickly attached to the cable without special tools. Only the outer sheath of the cable is removed. The connectors are available for M8 and M12 screw connectors and meet protection class IP 65.



Connector	Weight kg	Order code
M8 screw connector	0,017	P8CS0803J
M12 screw connector	0,022	P8CS1204J



**For ATEX specific products
contact Sales Office**