



Pneumatic cylinders

Series C41

According to ISO

Catalogue 9127004192GB-ul



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Important

Before attempting any external or internal work on the cylinder or any connected components, make sure the cylinder is vented and disconnect the air supply in order to ensure isolation of the air supply.



Note

Air quality is essential for maximum cylinder service life (see ISO 8573).

Note

All technical data in this catalogue are typical data only.



The C41 M Cylinder Series

The Parker C41 cylinder series, manufactured to ISO standard specifications, features double-acting pneumatic cylinders with adjustable cushioning at the end positions.

The C41 cylinders are available with bores of 32 to 200 mm and with strokes of 25 to 1000 mm. The series has been designed to meet industrial working conditions and needs. No additional lubrication is required. The standard version of the C41 is provided with a magnetic piston. This means they are ready for use with electronic control systems.

Standardised installation

The installation dimensions meet ISO 6431 specifications, thus enabling C41 cylinders to be used with the standard range of ISO mountings.

Adapted for electronic applications

With a magnetic piston as standard the C41 cylinder can be used for proximity position sensing. A wide range of sensors with LED indicators, connected by means of a flying lead or a connecting plug are available.

One sensor type has a switching-off delay function and is particularly suitable for high piston speeds. The sensors are easy to install in any position along the cylinder's tie rods.

Long service life

Lubricant filled piston rod bearing, high quality seals and the cylinder design makes the C41 series suitable for operation without additional lubrication. Lubrication-free operation provides a better working environment, simplifies installation and minimises maintenance and service needs.

The built-in adjustable cushioning is gentle on the cylinder and prevents metallic stops at the end position.

In addition to the basic model, the C41 cylinders are available in several special models.

- Mechanical end position sensing, C41 model, with electronic or pneumatic output signal. The end position transmitters, which are integrated in the cylinder end covers, replace external arrangements for sensing the end positions of the piston rod. This provides a fully integrated unit in which hoses and cables are concentrated in one position.
- Piston rod of stainless steel for corrosive environments.
- Thanks to the through piston rod, the C41 cylinder can absorb greater lateral loads and offers a wider choice of location for external position sensors.
- Cylinder end covers without recesses facilitate cleaning. These end covers, combined with the integrated tie rods in the barrel, provide a cylinder that is suitable in applications with strict hygiene requirements.
- A high-temperature model for ambient temperatures of up to + 150 °C is available for the C41 cylinders in the 32 to 200 mm bore range.
- A hydraulic model for bores of 32 to 125 mm. Special seals mean that the cylinder movement can be fluid-stabilised or can be operated with low-pressure hydraulics.

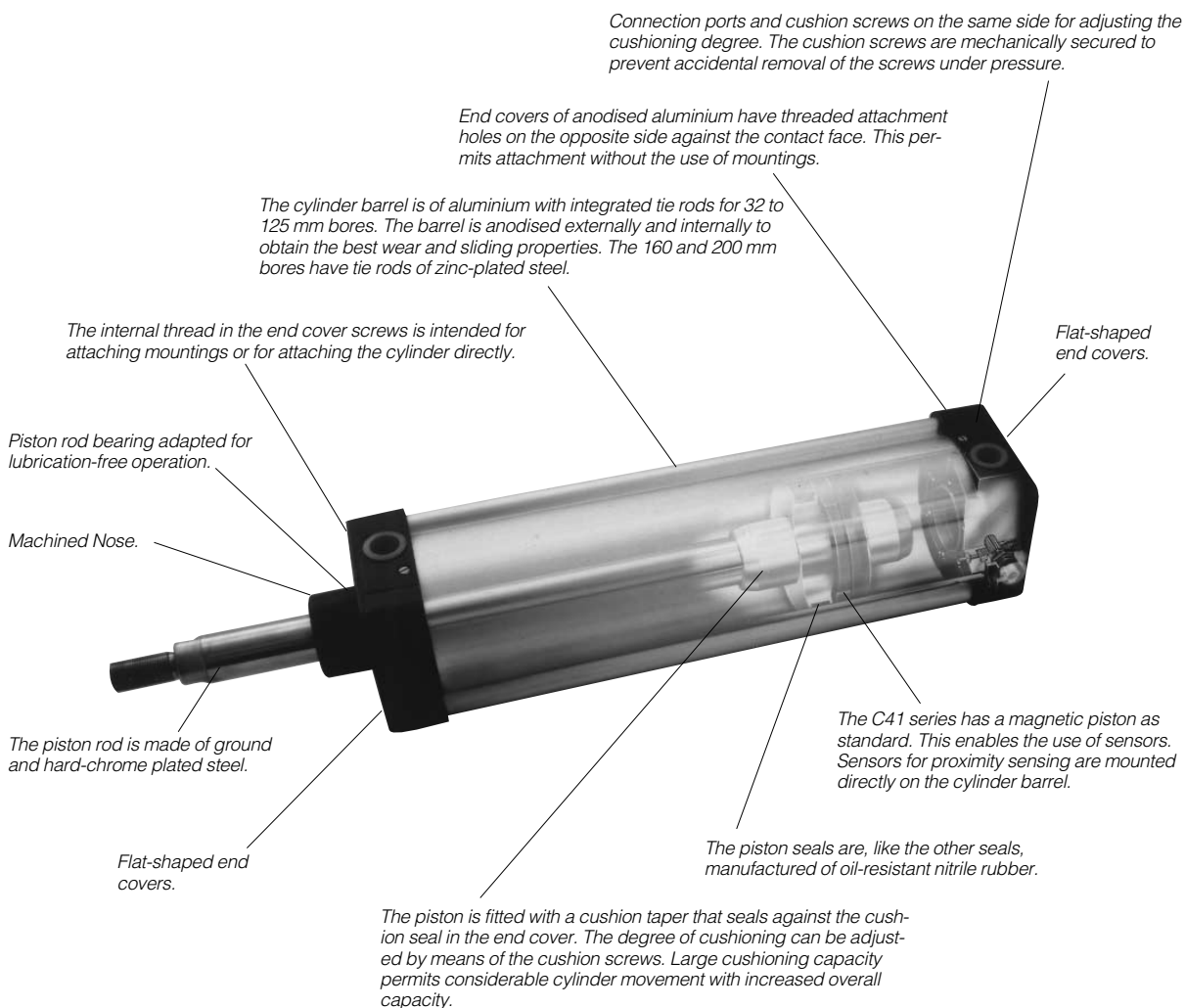
Tandem cylinders

Two cylinders connected in series give almost twice the compressive force for a given cylinder bore. If the forward cylinder is filled with hydraulic fluid, a hydraulically cushioned movement can be obtained.

- 3-position cylinders.
- 4-position cylinders.

C41

Cylinders



C41

Cylinders

Main data: C41

Cylinder designation	Cylinder bore area		Piston rod diam. area		thread	Cushioning length	Total mass at 0 mm stroke		Mass, moving parts at 0 mm stroke		Air consumption ³⁾	Port size
	mm	cm ²	mm	cm ²			length kg	per 10 mm stroke kg	length kg	per 10 mm stroke kg		
C41-S032MC-S ¹⁾	32	8,0	12	1,1	M10x1,25	15	0,55	0,024	0,10	0,009	0,105	G1/8
C41-S040MC-S ¹⁾	40	12,6	16	2,0	M12x1,25	18	0,70	0,032	0,19	0,016	0,162	G1/4
C41-S050MC-S ¹⁾	50	19,6	20	3,1	M16x1,5	19	1,05	0,048	0,32	0,024	0,253	G1/4
C41-S063MC-S ¹⁾	63	31,2	20	3,1	M16x1,5	22	1,50	0,058	0,36	0,024	0,414	G3/8
C41-S080MC-S ¹⁾	80	50,3	25	4,9	M20x1,5	24	2,60	0,080	0,80	0,038	0,669	G3/8
C41-S100MC-S ¹⁾	100	78,5	32	8,0	M20x1,5	27	4,05	0,116	1,60	0,063	1,043	G1/2
C41-S125MC-S ¹⁾	125	123,0	32	8,0	M27x2 ²⁾	31	6,85	0,130	2,30	0,063	1,662	G1/2
C41-T160MC-S ¹⁾	160	201,0	40	12,6	M36x2	37	12,00	0,162	5,00	0,098	2,727	G3/4
C41-T200MC-S ¹⁾	200	314,0	40	12,6	M36x2	37	16,20	0,183	6,75	0,098	4,310	G3/4

1) S=Stroke length

2) M24x2 piston rod thread according to previous standard available on request.

3) Free air consumption per 10 mm stroke length for a double stroke at 6 bar

Piston forces

The values for piston forces are theoretical, and should be reduced in accordance with the working conditions.

Cylinder designation	Cylinder bore mm	Theoretical piston force at 6 bar	
		plus stroke N	minus stroke N
C41-S032MC-S ¹⁾	32	482	414
C41-S040MC-S ¹⁾	40	754	633
C41-S050MC-S ¹⁾	50	1178	989
C41-S063MC-S ¹⁾	63	1870	1681
C41-S080MC-S ¹⁾	80	3016	2721
C41-S100MC-S ¹⁾	100	4712	4230
C41-S125MC-S ¹⁾	125	7363	6880
C41-T160MC-S ¹⁾	160	12060	11310
C41-T200MC-S ¹⁾	200	18850	18100

1) S=Stroke length

Other data

Working medium	dry, filtered compressed air
Working pressure	max 10 bar
Working temperature	max +70 °C min -20 °C

Material specifications

Cylinder barrel	Natural anodised aluminium
End covers	Black anodised aluminium
End-cap screws	Zinc plated steel
Tie rods for bores 160-200	Zinc plated steel
Piston for bores Ø32-Ø63	Acetal plastic
Piston for bores Ø80-Ø200	Aluminium
Piston rod	Hard-chromium plated steel, Fe 490-2 FN
Bearings	HDPE plastic
Seals	Nitrile rubber, NBR
Cushioning screws	Zinc plated steel
Cushioning-seals	Polyurethane

High-temperature versions

Sealings/scrapper ring	Fluorocarbon rubber, FPM
Piston	Aluminium
Piston bearing	Graphite-filled PTFE
Piston rod bearing	Acetal plastic/Bronze/Steel
Cushioning seals Ø32-63	Fluorocarbon rubber, FPM
Cushioning seals Ø80-200	PTFE

Low-pressure hydraulic

Sealings	Nitrile rubber, NBR
Scrapper ring	Polyurethane
Piston	Aluminium
Piston bearing	UHMWPE-plastic
Cushionings excluded	

Options

Stainless steel piston rod	X 10 CrNiS 18 9
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C41

Cylinders

Order key, standard version

C 4 1 - S

Cylinder type, smooth profile	
S	Standard version, (bore 32 to 125)
L	Piston rod lock device. With hard chromed piston rod only
C	Standard version with factory-fitted centre trunnion. Pivots turned 90° to ports. Other G measure than centre see page 7.
H	Non-rigid fitted centre trunnion.
A	Combination of C+L

Cylinder type, traditional tie rods	
T	Standard version, traditional tie rods (bore 160 and 200)
D	Standard version with factory-fitted centre trunnion. Pivots turned 90° to ports. Other G measure than centre see page 7.

0 3 2

Cylinder type/Function	
Normal version	Through pist. rod
M	F Standard version
E	N Aluminium piston for bore 32-63
*	Piston rod with internal thread
*	End covers and barrel, Epoxy painted
*	Filled end covers
*	Mechanical end position sensors in front and rear end cover
*	Mechanical end position sensor in front end cover
*	Mechanical end position sensor in rear end cover

M

S

-

0 1 0 0

Stroke in mm	
E.g. 0100 = 100 mm	
For standard stroke length and max length, see table below	

Material piston rod		Type of sealing	
Stainless steel	Hard chromed steel	Acid-proof steel	Chromed stainl. steel
S	C	*	*
F	G	*	*
J		*	

Cylinder bore mm

032
040
050
063
080
100
125
160
200

*** For this option contact customer service for more information.**

Standard stroke length in mm

Cylinder design.	Cylinder bore (mm)	Standard stroke length (mm)								Non standard stroke length									
XXXX = Stroke		25	50	80	100	125	160	200	250	320	400	500	600	700	800	900	2900		
Double acting, Profile barrel																			
C41-S032MC-XXXX	32	●	●	●	●	●	●	●	●	●	●	●					//		
C41-S040MC-XXXX	40	●	●	●	●	●	●	●	●	●	●	●					//		
C41-S050MC-XXXX	50	●	●	●	●	●	●	●	●	●	●	●					//		
C41-S063MC-XXXX	63	●	●	●	●	●	●	●	●	●	●	●					//		
C41-S080MC-XXXX	80	●	●	●	●	●	●	●	●	●	●	●					//		
C41-S100MC-XXXX	100	●	●	●	●	●	●	●	●	●	●	●					//		
C41-S125MC-XXXX	125	●	●	●	●	●	●	●	●	●	●	●					//		
C41-T160MC-XXXX	160	●	●	●	●	●	●	●	●	●	●	●					//		
C41-T200MC-XXXX	200	●	●	●	●	●	●	●	●	●	●	●					//		

C41

Cylinders

Order key, special versions

41	S	K	M	S	H95	P	030	S	F
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Cylinder type
See page 6.

	Cylinder bore mm
K	32
L	40
M	50
N	63
P	80
Q	100
R	125
S	160
T	200

Cylinder type/ Function
See page 6.

Material piston rod/ Type of sealing
See page 6.

Factory fitted piston rod mountings

0	No mounting
S	Swivel rod eye
C	Clevis

Stroke length (mm), E. g. H95=1795
For standard and max stroke length see table on page 6.

0-999	0-999	L00-L99	2000-2099
A00-A99	1000-1099	M00-M99	2100-2199
B00-B99	1100-1199	N00-N99	2200-2299
C00-C99	1200-1299	P00-P99	2300-2399
D00-D99	1300-1399	Q00-Q99	2400-2499
E00-E99	1400-1499	R00-R99	2500-2599
F00-F99	1500-1599	S00-S99	2600-2699
G00-G99	1600-1699	T00-T99	2700-2799
H00-H99	1700-1799	V00-V99	2800-2899
J00-J99	1800-1899	W00-W99	2900-2999
K00-K99	1900-1999		

Factory fitted cylinder mountings

0	No mounting
1	Flange MF1 mounted on front cover
2	Flange MF1/MF2 mounted on front and rear covers
B	Flange MF2 mounted on rear covers
F	Angle brackets MS1
E	Clevis bracket MP4
S	Swivel eye bracket
T	Clevis bracket MP2
L	Clevis brackets MP4 + MP2
P	Clevis bracket MP2 + Pivot bracket

Option

N	None
P	Extended piston rod.
C	Factory-fitted centre trunnion. Ø32-Ø125 Dowels turned 90° to ports.
D	Factory-fitted centre trunnion. Ø160-Ø200 Dowels turned 90° to ports.

Option P: Extension in mm acc. to stroke length designation E. g. A50=1050 mm.

Option C: G-dimension in mm acc. to stroke length design. (E75=1475 mm) G min and max see page 17.

Option D: G-dimension in mm acc. to stroke length design. (E75=1475 mm) G min and max see page 17.

C41

Cylinders

Options

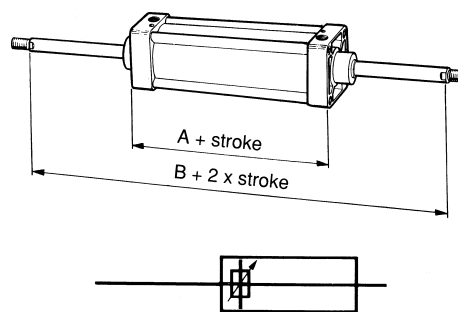
A number of special cylinders for various requirements can be achieved with the C40/C41 M cylinders as a base.

Cylinders with stainless steel piston rod

All cylinders of C41 type can be supplied with a stainless steel piston rod.

Cylinders with through piston rod

All cylinders of C41 type are available with through piston rods. This type of cylinder has equal push and pull force.

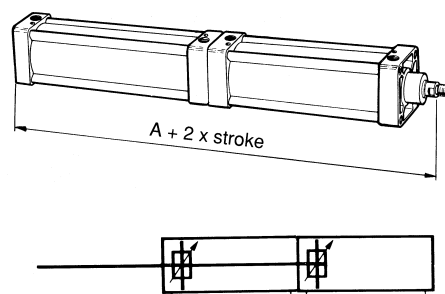


Cylinder bore mm	A mm	B mm
32	94	146
40	99	165
50	104	180
63	113	195
80	124	220
100	134	240
125	160	290
160	176	340
200	180	370

See standard cylinder for other dimensions

Tandem cylinders

All C41 cylinders are available as tandem cylinders. The tandem cylinder - two cylinders connected in series, in other words with a common piston rod - provides almost twice the compressive force for a given cylinder bore. This is an advantage in applications where space is limited. A hydraulically cushioned movement can also be achieved with a tandem cylinder through the front cylinder being filled with hydraulic fluid, which is permitted to flow between the cylinder's two chambers.



Cylinder bore mm	A mm
32	214
40	231
50	246
63	267
80	296
100	321
125	385
160	434
200	455

See standard cylinder for other dimensions

Cylinders with filled end covers

C41 cylinders in bore range 32 - 125 mm are available with filled end covers. This model is specially adapted to suit environments with strict cleaning requirements. The recesses in the end covers are filled with cast compound (Urethane) to reduce dirt-collecting surfaces to a minimum.

Cylinders for high ambient temperatures

C41 cylinders in bore range 32 - 200 mm can be provided with special seals for ambient temperatures of up to + 150 °C. The cylinders are lubricated initially with a special grease.

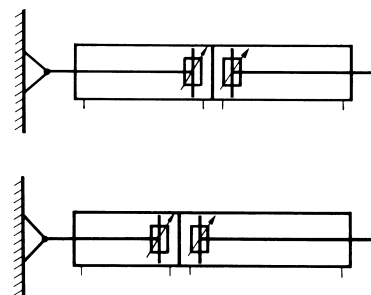
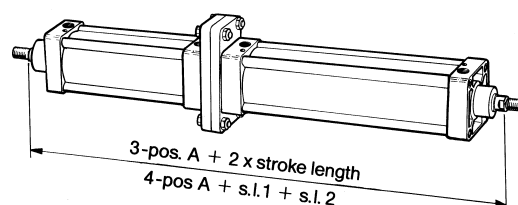
Cylinders for low-pressure hydraulics

C41 cylinders in bore range 32 - 125 mm are available in models for low-pressure hydraulics for shockless actuation at working pressures up to 10 bar.

3-position cylinders and 4-position cylinders

The 3-position cylinder consists of two cylinders with equal strokes. The rear end covers are connected to each other by means of the rear flanges. The home position of the cylinder is with the piston rods in both cylinders retracted. The next position occurs when one piston rod has moved out. The third position occurs when both piston rods are extended. The component cylinders of the 3-position cylinder must be arranged so that they can move in the lengthways direction of the piston rods. Order two separate cylinders and two rear flange fittings.

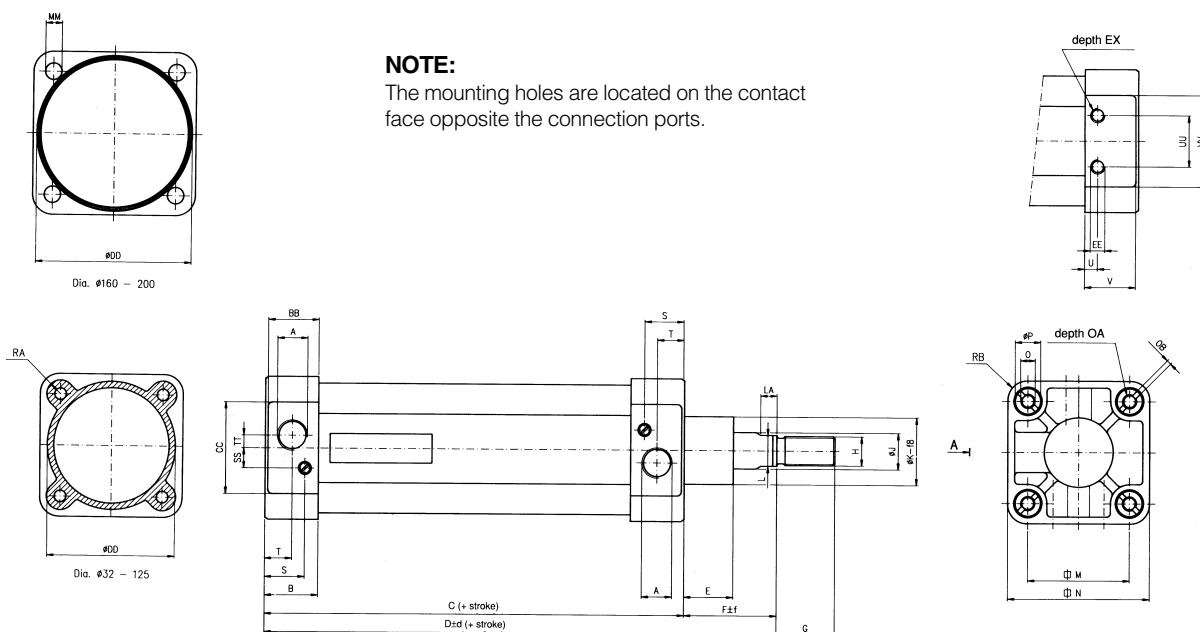
The 4-position cylinder is constructed in the same way as the 3-position cylinder, but in this case two cylinders with different strokes are used. The cylinder is in the home position when both the piston rods are retracted. The next position occurs when the short cylinder's piston rod has moved out. The third position occurs when the short cylinder's piston rod is retracted and the long cylinder's piston rod is extended. The fourth and last position occurs when both the piston rods are extended. The component cylinders of a 4-position cylinder must be arranged so that they can move in the lengthways direction of the piston rods. Order two separate cylinders and two rear flange fittings.



Cylinder bore mm	A mm	Cylinder bore mm	A mm
32	260	100	410
40	290	125	490
50	310	160	560
63	340	200	600
80	380		

C41

Cylinders



Dimensions

Cylinder bore mm	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	S	T
	mm	mm	mm	mm	mm	mm	mm		mm	mm	mm	mm	mm	mm	mm	mm	mm
32	G1/8	24,0	94	120	16	26	22	M10x1.25	12	24	10	32,5	50	M5	8	18,5	11,0
40	G1/4	25,5	99	132	20	33	24	M12x1.25	16	29	14	36,8	56	M6	11	20,5	13,0
50	G1/4	26,0	104	142	23	38	32	M16x1.5	20	36	17	46,7	66	M6	11	19,0	13,0
63	G3/8	29,5	113	154	27	41	32	M16x1.5	20	37	17	55,9	78	M8	13	22,0	15,0
80	G3/8	33,0	124	172	30	48	40	M20x1.5	25	46	22	70,0	96	M10	17	26,0	20,0
100	G1/2	38,0	134	187	32	53	40	M20x1.5	32	56	27	84,1	112	M10	17	31,0	22,0
125	G1/2	44,5	160	225	40	65	54	M27x2 ¹⁾	32	67	27	104,0	138	M12	23	37,5	28,5
160	G3/4	55,0	176	258	50	82	72	M36x2	40	87	36	134,4	178	M16	27	43,0	30,0
200	G3/4	57,0	180	275	50	95	72	M36x2	40	87	36	163,3	216	M16	27	45,0	32,0

1) M24x2 piston rod thread according to previous standard available on request.

Cylinder bore mm	U	V	BB	CC	DD	EE	MM	SS	TT	UU	W	EX	LA	OA	OB	RA	RB
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
32	5,5	24	24	30	37	M5	-	6,5	4,0	12	30	8	6	11,0	2,0	5,0	8,5
40	5,5	19	23	28	45	M6	-	8,0	3,5	15	30	8	9	11,5	2,5	5,5	9,5
50	5,0	23	24	36	56	M6	-	10,5	7,0	22	45	9	9	11,5	2,5	6,0	9,5
63	7,0	27	27	40	70	M8	-	11,0	7,0	28	50	10	9	14,0	2,5	7,5	10,5
80	9,0	29	26	50	87	M10	-	11,0	11,0	34	65	14	10	15,2	3,0	8,5	13,0
100	9,0	32	32	56	108	M10	-	13,0	12,0	48	80	14	13	15,2	3,0	9,0	14,0
125	11,0	32	32	60	134	M12	-	15,0	14,0	54	90	18	14	20,0	4,0	10,0	17,0
160	15,0	43	44	74	172	M16	16	16,0	18,0	64	110	24	18	21,0	4,0	-	22,0
200	20,0	48	44	74	213	M16	16	16,0	18,0	96	140	24	18	21,0	4,0	-	26,0

Tolerances

Cylinder bore mm	Installation dim. d	f	Stroke 0-500 mm	(500) - 1000
	mm	mm	mm	mm
32	0,9	1,2	+2,0	+3,2
40	0,9	1,2	+2,0	+3,2
50	0,9	1,2	+2,0	+3,2
63	1,2	1,6	+2,5	+4,0
80	1,2	1,6	+2,5	+4,0
100	1,2	1,6	+2,5	+4,0
125	1,5	1,8	+4,0	+5,0
160	1,5	1,8	+4,0	+5,0
200	1,5	1,8	+4,0	+5,0



Cylinders with mechanical end position sensing

The C41 are combination cylinders. Mechanical end position transmitters are built into the end covers. The output signal is generated via a pneumatic or electric detector, which can easily be mounted in the built-on fitting.

The fitting is the same for all types of detectors. This makes it possible to change the output signal in a simple manner without having to change the cylinder in conjunction with, for example, system changes.

Combinations with sensors are, of course, also possible if several output signals are desired with the C41.

All cylinder dimensions of type C41 are available with end position sensors.

The Parker C41 cylinder is an economical solution:

- No design work is required for locating external arrangements for end position sensing.
- Easier mounting facilitated since the end position transmitters are integrated in the cylinder.
- External detectors must be adjusted to generate an output signal in the correct position. This problem is eliminated with the C41.
- Complete function in one unit simplifies purchasing and planning.

The C41 cylinders offer the following further advantages:

- Cleaner machine design with hoses and cables collected together.
- Sturdy structure, insensitive to external disturbances.
- Can be used in both simple and complicated systems.
- Optional output signal, electric and/or pneumatic, depending on choice of detector.

Note:

In the case of strokes shorter than 100 mm the space is limited depending on the type of detector used. Turning the end covers 90 degrees in relation to each other can eliminate this.

C41

Cylinders

VF13

Working pressure: max 10 bar
min 3 bar
Working temperature: max +70 °C
min -20 °C



EF14

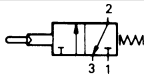
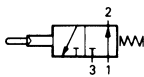
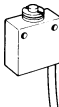
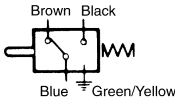
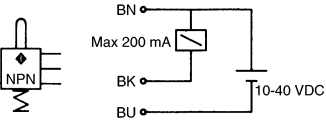
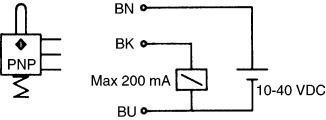
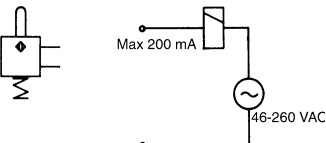
Max contact load:
resistive 5A at 30V DC
inductive 3A at 30V DC
5A at 250V AC
Form of protection corresponds to IP65 acc. to DIN 40 050



IF14

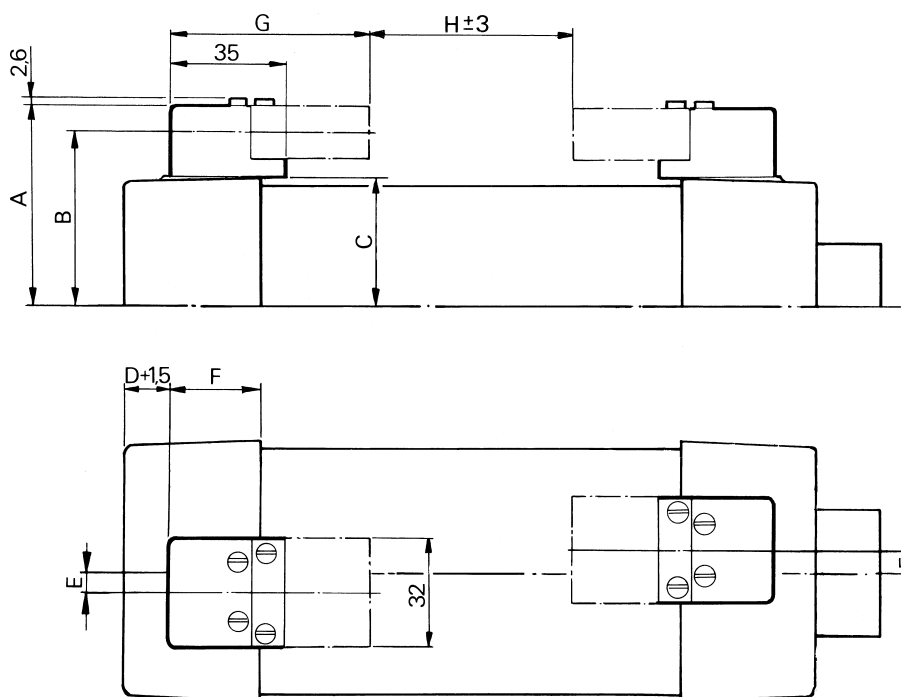
Supply voltage: 20 - 30V DC alt. 90 - 250V AC
Load current: 200 mA resp. 20VA
Working temperature: -10 °C +60 °C
Function: Making
Form of protection corresponds to IP67 acc. to DIN 40 050



	Symbol	Designation	Weight g	Order code
		VF 13-I-S-5 Normally closed	35	8204703006
		VF 13-S-I-5 Normally open	35	8204703014
		EF 14-I-S-5 Microswitch	163	8204703105
		IF 14-I-S-5 24 VDC, type npn, LED indication	65	8204703345
		IF 14-I-S-5 24 VDC, type pnp, LED indication	65	8204703303
		IF 14-I-S-5 220 VAC, LED indication	65	8204703311

C41

Cylinders

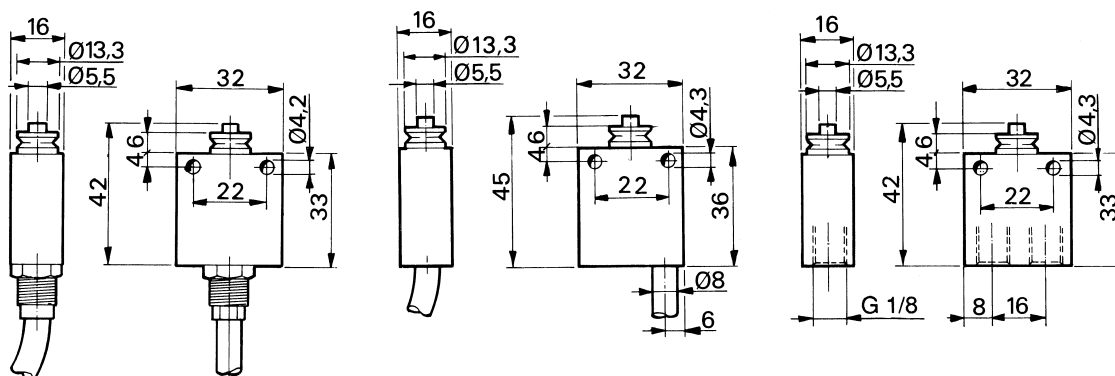


Dimensions

See standard cylinder for other dimensions

Cylinder bore mm	A mm	B mm	C mm	D mm	E mm	F mm	Detector type	G mm	IF14 H mm	IF14* H mm	EF14 H mm	VF13 H mm
32	45,0	37,0	24,0	2,0	0	22,0	IF14	57	-104	-160	-47	-26
40	48,0	40,0	27,0	3,5	1	22,0	EF14	60	-102	-158	-45	-24
50	51,5	43,5	30,5	4,0	4	22,0	VF13	57	-98	-154	-41	-20
63	59,0	51,0	38,0	7,0	0	22,5			-95	-151	-38	-17
80	67,5	59,5	46,5	10,5	0	22,5			-91	-147	-34	-9
100	76,0	68,0	55,0	22,0	0	22,5			-104	-160	-47	-22
125	89,0	81,0	68,0	22,0	0	22,5			-78	-134	-21	0
160	106,5	98,5	85,5	19,5	0	22,5			-57	-113	0	21
200	126,5	118,5	105,5	21,5	0	22,5			-57	-113	0	21

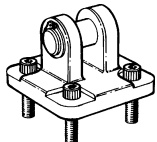
* for 8204703311



C41

Mountings

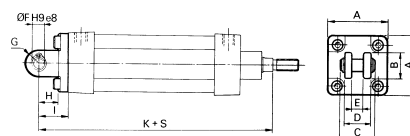
Cylinder mountings

Type	Description	Cyl. bore Ø mm	Weight kg	Order code
Clevis bracket MP4 	Intended for flexible mounting of cylinder. This bracket can be combined with clevis bracket MP2, swivel rod bracket and swivel rod eye. Materials: Body for Ø32-Ø100 mm: anodised aluminium. Body for Ø125-Ø200 mm: zink-plated spheroidal graphite iron. Shaft of hardened steel. The mount is supplied complete with shaft and mounting screws for attachment to cylinder.	32	0,10	9121644601
		40	0,14	9121644602
		50	0,19	9121644603
		63	0,32	9121644604
		80	0,59	9121644605
		100	0,96	9121644606
		125	2,90	9121644607
		160	5,90	9121644608
		200	10,20	9121644609

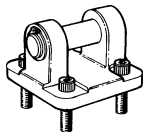
According to ISO

Cylinder bore mm	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	K mm
32	48	22	33	26	10	10	11	15,0	22	142
40	54	24	35	28	12	12	12	21,0	28	160
50	64	32	39	32	12	12	13	19,5	28	170
63	76	39	47	40	16	16	17	26,0	36	190
80	94	48	57	50	16	16	17	26,0	38	210
100	110	62	67	60	20	20	21	29,0	43	230
125	135	70	77	70	25	25	26	35,0	50	275
160	175	92	97	90	30	30	31	39,0	57	315
200	212	117	97	90	30	30	31	40,0	60	335

S = Stroke length



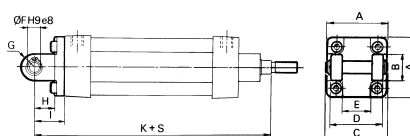
Clevis bracket MP2

	Intended for flexible mounting of cylinder. This bracket can be combined with clevis bracket MP4. Materials: Body for Ø32-Ø100 mm: anodised aluminium. Body for Ø125-Ø200 mm: zink-plated spheroidal graphite iron. Shaft of hardened steel. The mount is supplied complete with shaft and mounting screws for attachment to cylinder.	32	0,11	9121644701
		40	0,17	9121644702
		50	0,23	9121644703
		63	0,39	9121644704
		80	0,65	9121644705
		100	1,10	9121644706
		125	3,60	9121644707
		160	6,90	9121644708
		200	11,00	9121644709

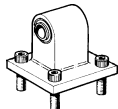
According to ISO

Cylinder bore mm	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	K mm
32	48	22	52	45	26	10	11	15,0	22	142
40	54	24	59	52	28	12	12	21,0	28	160
50	64	32	67	60	32	12	13	19,5	28	170
63	76	39	77	70	40	16	17	26,0	36	190
80	94	48	97	90	50	16	17	26,0	38	210
100	110	62	117	110	60	20	21	29,0	43	230
125	135	70	137	130	70	25	26	35,0	50	275
160	175	92	177	170	90	30	31	39,0	57	315
200	212	117	177	170	90	30	31	40,0	60	335

S = Stroke length

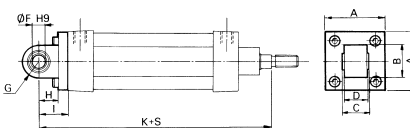


Swivel mount with rubber bushing

	For swivel mounting of the cylinder. The bronze bushing with vulcanized rubber sleeve provides a degree of elasticity. For light-duty applications. Max. 7 bar. This mount can be combined with the MP2 swivel mount. Materials: Body anodised aluminium. Bronze bushing with vulcanized rubber sleeve.	40	0,14	9121658802
		50	0,18	9121658803
		63	0,41	9121658804

According to CETOP RP 107 P

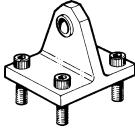
Cylinder bore mm	A mm	B mm	C mm	D mm	F mm	G mm	H mm	I mm	K mm
40	54	31	27,0	22	12	15,5	21,0	28	160
50	64	31	31,0	26	12	15,5	19,5	28	170
63	76	43	39,5	35	16	21,5	26,0	36	190



C41

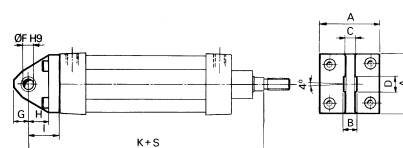
Mountings

Cylinder mountings

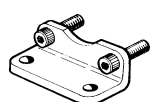
Type	Description	Cyl. bore Ø mm	Weight kg	Order code
Swivel rod bracket 	Intended for flexible mounting of cylinder. The swivel rod permits lateral articulation. The bracket can be combined with clevis bracket MP4. Materials: Body for Ø32-Ø100 mm: anodised aluminium. Body for Ø125-Ø200 mm: zink-plated spheroidal graphite iron. Swivel bearing of hardened steel. Supplied complete with mounting screws for attachment to cylinder.	32	0,07	9121568601
		40	0,11	9121568602
		50	0,14	9121568603
		63	0,28	9121568604
		80	0,28	9121568605
		100	0,77	9121568606
		125	2,40	9121568607
		160	4,80	9121568608
		200	7,00	9121568609

Cylinder bore mm	A mm	B mm	c mm	D mm	F mm	G mm	H mm	I mm	K mm
32	48	9	7,5	13,0	10	12,5	15,0	22	142
40	54	12	9,0	15,5	12	15,5	21,0	28	160
50	64	12	9,0	15,5	12	16,5	19,5	28	170
63	76	16	12,5	20,0	16	19,5	26,0	36	190
80	94	16	12,5	20,0	16	21,5	26,0	38	210
100	110	20	16,0	25,0	20	25,5	29,0	43	230
125	135	25	20,5	30,5	25	30,0	35,0	50	275
160	175	30	25,0	34,0	30	35,0	39,0	57	315
200	212	30	25,0	34,0	30	35,0	40,0	60	335

S = Stroke length



Foot bracket MS1



Intended for fixed mounting of cylinder. This bracket can be fitted to front and rear end covers.

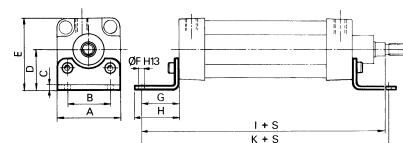
Material
Body galvanized steel.

These brackets are supplied in pairs, complete with mounting screws for attachment to cylinder.

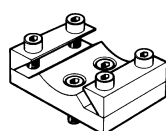
32	0,07	9121644801
40	0,12	9121644802
50	0,18	9121644803
63	0,25	9121644804
80	0,53	9121644805
100	0,79	9121644806
125	1,40	9121644807
160	2,80	9121644808
200	4,70	9121644809

Cylinder bore mm	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	K mm
32	48	32	5,0	32	57	7	24	32	144	142
40	54	36	5,0	36	64	9	31	42	163	161
50	64	45	6,0	45	78	9	33	45	175	170
63	76	50	6,0	50	89	9	36	48	190	185
80	94	63	8,0	63	111	12	43	58	215	210
100	110	75	10,5	71	127	14	43	60	230	220
125	135	90	12,5	90	159	16	45	70	270	250
160	175	115	15,5	115	204	18	62	87	320	300
200	212	135	16,0	135	243	22	70	100	345	320

S = Stroke length



Adjustable barrel mount



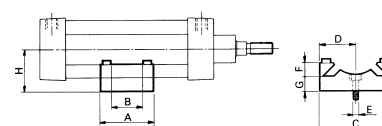
Intended for light-duty applications where space is limited. The cylinder position can be adjusted axially.

Material:
Body: galvanized steel.

The mounts is supplied complete with bolts for securing to the cylinder.

32	0,30	9121400501
40	0,40	9121400502
50	0,76	9121400503
63	0,87	9121400504

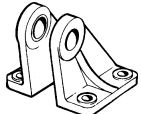
Cylinder bore mm	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	H tol. mm
32	40	30	70	35,0	M5	13,5	10,5	32,0	+ 1,0--0,5
40	50	30	77	39,0	M6	12,5	11,5	36,0	+ 1,0--0,5
50	60	30	93	46,5	M8	13,5	15,5	45,5	+ 1,1--0,5
63	70	40	112	56,0	M10	16,5	18,5	54,5	+ 1,1--0,5



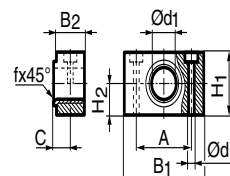
C41

Mountings

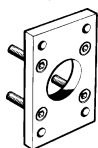
Cylinder mountings

Type	Description	Cyl. bore Ø mm	Weight kg	Order code
Pivot bracket 	Two-part mount for swivel mounting of the cylinder. Can be combined with the MT4 waist mount, MP2 swivel mount, swivel rod mount and swivel rod eye. Material: Body: galvanized steel. This bracket is supplied in pairs. * Weight of two brackets.	32	0,10	9121658401
		40	0,12	9121658402
		50	0,26	9121658403
		63	0,34	9121658404
		80	0,60	9121658405
		100	0,93	9121658406

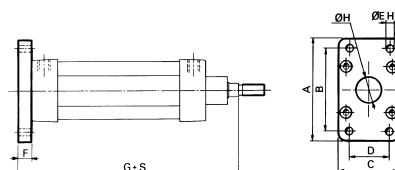
Cylinder bore mm	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	J mm	K mm	L mm
32	30,5	18	21	32	6	6,0	9,5	10	17,5	5,5	5,5	6,0
40	34,5	22	24	36	6	6,0	10,5	12	18,0	5,5	5,5	6,5
50	44,5	30	33	45	8	7,0	12,5	12	23,0	6,6	7,5	9,0
63	49,5	35	37	50	9	7,0	14,5	16	21,5	6,6	9,0	6,0
80	59,0	40	47	63	10	9,5	14,5	16	30,5	9,0	14,0	8,0
100	69,0	50	55	71	10	9,5	18,5	20	33,0	9,0	17,0	8,0



Flange MF1 and MF2

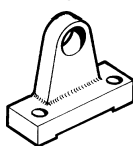
	Intended for fixed mounting of cylinder. This bracket can be fitted to front and rear end covers. Material Diam. 32 -63 mm: flange anodised aluminium Diam. 80 - 200 mm: flange galvanized steel The flange is supplied complete with screws for mounting on the cylinder.	32	0,26	9121644901
		40	0,37	9121644902
		50	0,52	9121644903
		63	0,90	9121644904
		80	1,59	9121644905
		100	2,19	9121644906
		125	3,90	9121644907
		160	7,00	9121644908
		200	11,60	9121644909

Cylinder bore mm	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm
32	80	64	48	32	7	10	130	27
40	90	72	54	36	9	13	145	32
50	110	90	64	45	9	13	155	40
63	120	100	76	50	9	16	170	40
80	155	126	94	63	12	18	190	50
100	180	150	110	75	14	18	205	60
125	220	180	135	90	16	20	245	72
160	280	230	175	115	18	22	280	92
200	320	270	212	135	22	25	300	92



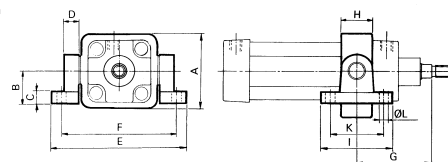
S = Stroke length

Bearing bracket

	Intended for use with centre trunnion MT4. Material Diam. 32 -80 mm: body anodised aluminium Diam. 100 mm: body galvanized cast iron The bearingbrackets are supplied in pairs. *Weight per two pieces.	32	0,06	9121569301
		40	0,12	9121569302
		50	0,24	9121569303
		63	0,44	9121569304
		80	0,66	9121569305
		100	2,20	9121569306
		125	2,20	9121569306
		160	4,40	9121569307
		200	6,00	9121569308

Cylinder bore mm	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	K mm	L mm
32	55	21	10	12	88	78	63,5	25	37	27	5,5
40	65	22	11	16	103	91	76,0	25	55	44	6,6
50	75	35	14	16	125	106	85,5	30	82	65	9,0
63	90	40	16	20	156	134	94,5	35	99	80	9,0
80	110	48	18	20	178	152	109,0	40	118	96	11,0
100	132	48	22	25	206	182	119,5	45	118	96	11,0
125	160	48	22	25	234	210	141,0	55	118	96	11,0
160	200	57	28	32	308	278	166,0	58	142	114	13,0
200	250	70	32	32	356	322	184,0	64	172	140	17,0

Measure G see page 17.



C41

Mountings

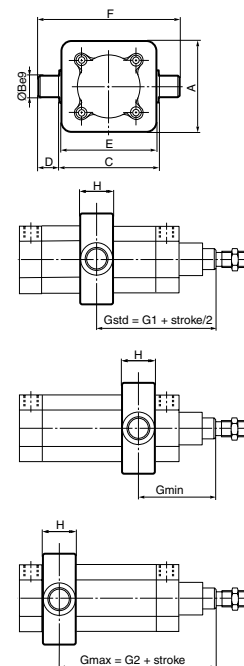
Cylinder and piston rod mountings

Type	Description	Cyl. bore Ø mm	Weight kg	Order code
Centre trunnion MT4	Intended for moveable cylinder mounting. Note that the mount is fitted to the cylinder at a distance G_{std} as shown in the drawing. A fitted trunnion mount cannot be moved. If a different G dimension is required, or if the mount is to be supplied separately, this must be stated. See order key on page 7	32 40 50 63 80 100 125	0,24 0,39 0,63 0,90 1,62 2,37 4,30	9123971401 9123971402 9123971403 9123971404 9123971405 9123971406 9123971407



This mounting can be combined with pivot bracket or bearing bracket.

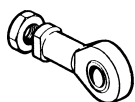
Material
Body: galvanized steel
Screws and taps: stainless steel



Cylinder bore mm	A mm	B mm	C mm	D mm	E mm	F mm	Gmin*	G1*	G2*	H mm
32	55	12	50	12	49	74	64	73,0	82	25
40	65	16	63	16	61	95	72	82,5	93	25
50	75	16	75	16	73	107	80	90,0	100	30
63	90	20	90	20	88	130	89	97,5	106	35
80	110	20	110	20	108	150	102	110,0	118	40
100	132	25	132	25	130	182	115	120,0	125	45
125	160	25	160	25	158	210	138	145,0	152	55
160	200	32	200	32	196	264	167	170,0	173	58
200	250	32	250	32	246	314	188	185,0	185	64

* Tolerance = ± 2

Swivel rod eye



Intended for articulated mounting of the cylinder. Swivel rod eye can be combined with clevis bracket MP4. Maintenance-free PTFE.

Material:
Swivel rod eye, nut: galvanized steel.
Swivel bearing according to DIN 648K: Hardened steel.

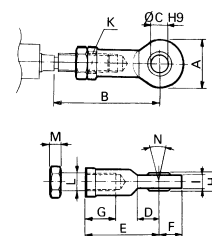
The mounting is supplied with a lock nut.

32	0,08	P1C-4KRS
40	0,12	P1C-4LRS
50	0,25	P1C-4MRS
63	0,25	P1C-4MRS
80	0,46	P1C-4PRS
100	0,46	P1C-4PRS
125	1,28	P1C-4RRS
160	1,80	P1C-4SRS
200	1,80	P1C-4SRS

ISO 8139

Cylinder bore mm	A mm	B _{min} mm	B _{max} mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	K*	L mm	M mm	N °
32	28	49	55	10	15	43	14	20	14	10,5	17	M10x1.25	5	26
40	32	57	62	12	17	50	16	22	16	12,0	19	M12x1.25	7	26
50	42	72	80	16	23	64	21	28	21	15,0	22	M16x1.5	8	30
63	42	72	80	16	23	64	21	28	21	15,0	22	M16x1.5	8	30
80	50	86	97	20	26	77	25	33	25	18,0	30	M20x1.5	9	28
100	50	86	97	20	26	77	25	33	25	18,0	30	M20x1.5	9	28
125	70	122	137	30	37	110	35	51	37	25,0	41	M27x2	10	34
160	80	139	161	35	41	125	40	56	43	28,0	50	M36x2	14	30
200	80	139	161	35	41	125	40	56	43	28,0	50	M36x2	14	30

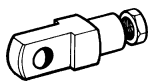
*Jaw width



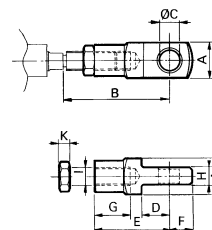
C41

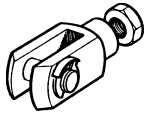
Mountings

Piston rod mountings

Type	Description	Cyl. bore Ø mm	Weight kg	Order code
Piston rod eye 	Intended for articulated mounting of the cylinder. This mounting can combine with clevis bracket MP4. Material: Piston rod eye: Galvanized steel. The mounting is supplied with a lock nut.	32	0,08	9121647001
		40	0,13	9121647002
		50	0,32	9121647003
		63	0,32	9121647003
		80	0,59	9121647005
		100	0,59	9121647005

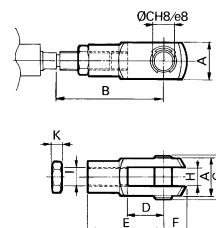
Cylinder bore mm	A mm	B _{min} mm	B _{max} mm	c mm	D mm	E mm	F mm	G mm	H mm	I mm	K mm
32	20	46	52	10	15	40	12	16	10	M10x1.25	5
40	24	55	61	12	18	48	14	17	12	M12x1.25	7
50	32	75	83	16	24	64	19	24	16	M16x1.5	8
63	32	75	83	16	24	64	19	24	16	M16x1.5	8
80	40	89	100	20	30	80	25	31	20	M20x1.5	9
100	40	89	100	20	30	80	25	31	20	M20x1.5	9



Clevis 	Intended for articulated mounting of the cylinder. Material: Clevis and clip galvanized steel. Pin: Hardened steel The mounting is supplied complete with axle and lock nut. Clevis bracket with M24x2 thread available on request.	32	0,09	P1C-4KRC
		40	0,15	P1C-4LRC
		50	0,35	P1C-4MRC
		63	0,35	P1C-4MRC
		80	0,75	P1C-4PRC
		100	0,75	P1C-4PRC
		125	2,10	P1C-4RRC
		160	4,04	P1C-4SRC
		200	4,04	P1C-4SRC

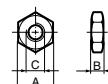
ISO 8140

Cylinder bore mm	A mm	B _{min} mm	B _{max} mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	K mm
32	20	46	52	10	20	40	12	28	10	M10x1.25	5
40	24	55	61	12	24	48	14	32	12	M12x1.25	7
50	32	72	80	16	32	64	19	42	16	M16x1.5	8
63	32	72	80	16	32	64	19	42	16	M16x1.5	8
80	40	89	100	20	40	80	25	50	20	M20x1.5	9
100	40	89	100	20	40	80	25	50	20	M20x1.5	9
125	55	122	136	30	54	110	38	72	30	M27x2	12
160	70	158	180	35	72	144	44	88	35	M36x2	14
200	70	158	180	35	72	144	44	88	35	M36x2	14



Rod nut 	Intended for articulated mounting of the cylinder. Material: Galvanized steel	32	0,01	9128985601
		40	0,02	0261109910
		50	0,04	9128985603
		63	0,04	9128985603
		80	0,07	0261109911
		100	0,07	0261109911
		125	0,13	0261109912
		160	0,45	9128985606
		200	0,45	9128985606

Cylinder bore mm	A mm	B mm	C
32	17	5,0	M10x1.25
40	19	6,0	M12x1.25
50	24	8,0	M16x1.5
63	24	8,0	M16x1.5
80	30	10,0	M20x1.5
100	30	10,0	M20x1.5
125	41	13,5	M27x2
160	55	14,0	M36x2
200	55	14,0	M36x2



C41

Mountings

Combinations

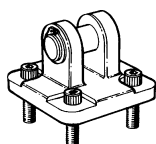
Type

Description

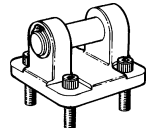
Cyl. bore
Ø mm

Order code

Clevis bracket MP4



Clevis bracket MP2



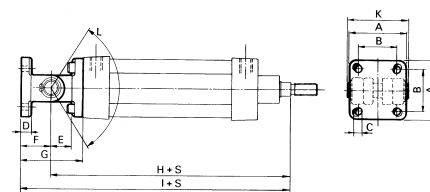
In this combination the clevis bracket MP4 is attached to the indicated cylinder.

	MP4*
32	9121644601
40	9121644602
50	9121644603
63	9121644604
80	9121644605
100	9121644606
125	9121644607
160	9121644608
200	9121644609

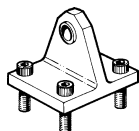
	MP2
32	9121644701
40	9121644702
50	9121644703
63	9121644704
80	9121644705
100	9121644706
125	9121644707
160	9121644708
200	9121644709

Cylinder bore mm	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	K mm	L
32	48	32,5	5,5	7,0	15,0	22	44	142	164	52	104°
40	54	36,8	6,6	7,0	21,0	28	56	160	188	59	130°
50	64	46,7	6,6	8,5	19,5	28	56	170	198	67	120°
63	76	55,9	9,0	10,0	26,0	36	72	190	226	77	110°
80	94	70,0	11,0	12,0	26,0	38	76	210	248	97	80°
100	110	84,1	11,0	14,0	29,0	43	86	230	273	117	82°
125	135	104,0	14,0	15,0	35,0	50	100	275	325	137	82°
160	175	134,4	18,0	18,0	39,0	57	114	315	372	177	64°
200	212	163,3	18,0	20,0	40,0	60	120	335	395	177	56°

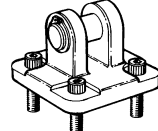
S = stroke



Swivel rod bracket



Clevis bracket MP4



In this combination the swivel rod bracket is attached to the indicated cylinder.

Swivel eye bracket

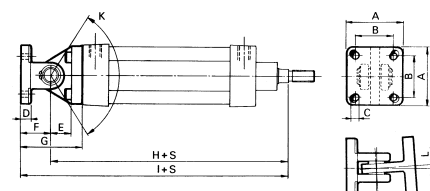
32	9121568601
40	9121568602
50	9121568603
63	9121568604
80	9121568605
100	9121568606
125	9121568607
160	9121568608
200	9121568609

MP4

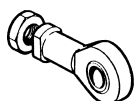
32	9121644601
40	9121644602
50	9121644603
63	9121644604
80	9121644605
100	9121644606
125	9121644607
160	9121644608
200	9121644609

Cylinder bore mm	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	K mm	L
32	48	32,5	5,5	7,0	15,0	22	44	142	164	104°	5,7°
40	54	36,8	6,6	7,0	21,0	28	56	160	188	130°	5,5°
50	64	46,7	6,6	8,5	19,5	28	56	170	198	120°	5,2°
63	76	55,9	9,0	10,0	26,0	36	72	190	226	110°	5,1°
80	94	70,0	11,0	12,0	26,0	38	76	210	248	80°	4,6°
100	110	84,1	11,0	14,0	29,0	43	86	230	273	82°	4,4°
125	135	104,0	14,0	15,0	35,0	50	100	275	325	82°	4,0°
160	175	134,4	18,0	18,0	39,0	57	114	315	372	64°	3,6°
200	212	163,3	18,0	20,0	40,0	60	120	335	395	56°	3,5°

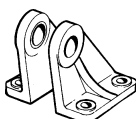
S = stroke



Swivel rod eye



Pivot bracket



In this combination the swivel rod eye is attached to the indicated cylinder.

Shaft is ordered separately.

	Rod eye
32	9126301101
40	9126301102
50	9126301103
63	9126301103
80	9126301104
100	9126301104

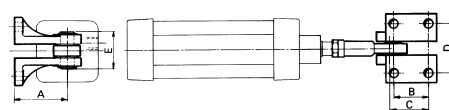
Pivot bracket

32	9121658401
40	9121658402
50	9121658404
63	9121658404
80	9121658406
100	9121658406

IS08139

Cylinder bore mm	A mm	B mm	C mm	D mm	E mm
32	32	18	21	37	33
40	36	22	24	40	35
50	50	35	37	51	47
63	50	35	37	51	47
80	71	50	55	75	67
100	71	50	55	75	67

	Pin
32	9126342607
40	9126342603
50	9126342608
63	9126342608
80	9126342609
100	9126342609



C41

Mountings

Combinations

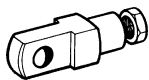
Type

Description

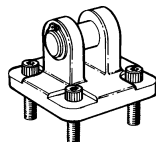
Cyl. bore
Ø mm

Order code

Piston rod eye



Clevis bracket MP4

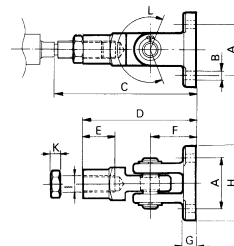


In this combination the piston rod eye is attached to the indicated cylinder.

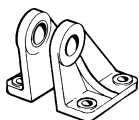
	Rod eye	MP4
32	9121647001	9121644601
40	9121647002	9121644602
50	9121647003	9121644604
63	9121647003	9121644604
80	9121647005	9121644606
100	9121647005	9121644606

Cylinder bore mm	A mm	B mm	C _{min} mm	C _{max} mm	D mm	E mm	F mm	G mm	H mm	I mm	K mm	L mm
32	32,5	5,5	71	77	62	16	22	7	48	M10x1.25	6	208°
40	36,8	6,6	85	91	76	17	28	7	54	M12x1.25	7	223°
50	55,9	9,0	111	119	92	24	28	10	76	M16x1.5	8	212°
63	55,9	9,0	111	119	100	24	36	10	76	M16x1.5	8	217°
80	84,1	11,0	129	140	118	31	38	14	110	M20x1.5	9	210°
100	84,1	11,0	129	140	123	31	43	14	110	M20x1.5	9	205°

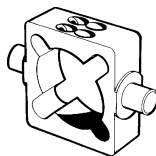
S = Stroke length



Pivot bracket



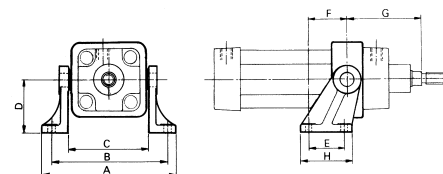
Centre trunnion MT4



*When ordering a cylinder with factory-fitted centre trunnion, see order key on pages 6 and 7.

	Pivot bracket	MT4
32	9121658402	9123971401
32	9121658403	9123971401
40	9121658404	9123971402
40	9121658405	9123971402
50	9121658404	9123971403
50	9121658405	9123971403
63	9121658406	9123971404
80	9121658406	9123971405

Cylinder bore mm	A mm	B mm	C mm	D mm	E mm	F mm	H mm
32	87	74	50	36	22	24	34,5
32	98	83	50	45	30	33	44,5
40	108	93	63	50	35	37	49,5
40	127	107	63	63	40	47	59,0
50	120	105	75	50	35	37	49,5
50	139	119	75	63	40	47	59,0
63	160	140	90	71	50	55	69,0
80	180	160	110	71	50	55	69,0



Measure G see page 17.

C41

Mountings

Combinations

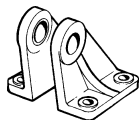
Type

Description

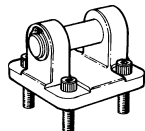
Cyl. bore
Ø mm

Order code

Pivot bracket



Clevis bracket MP2

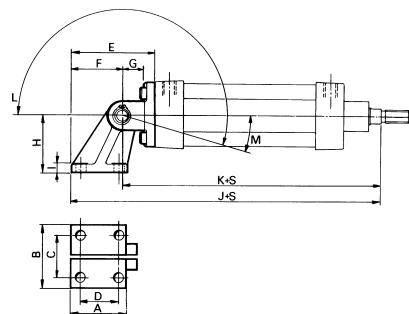


In this combination the clevis bracket MP2 is attached to the indicated cylinder.

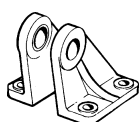
Pivot bracket	MP2
32 9121658401	9121644701
40 9121658402	9121644702
50 9121658403	9121644703
63 9121658404	9121644704
80 9121658405	9121644705
100 9121658406	9121644706

Cylinder bore mm	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	J mm	K mm	L°	M°
32	30,5	50	38	18	49,5	27,5	15,0	32	6	169,5	142	180	30
40	34,5	53	41	22	58,5	30,5	21,0	36	6	190,5	160	190	25
50	44,5	63	50	30	68,5	40,5	19,5	45	8	210,5	170	180	22
63	49,5	65	52	35	80,5	44,5	26,0	50	9	234,5	190	177	20
80	59,0	83	66	40	90,0	57,0	26,0	63	10	267,0	210	170	20
100	70,0	92	76	50	108,0	65,0	29,0	71	10	295,0	230	172	20

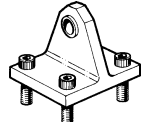
S = Stroke length



Pivot bracket



Swivel rod bracket



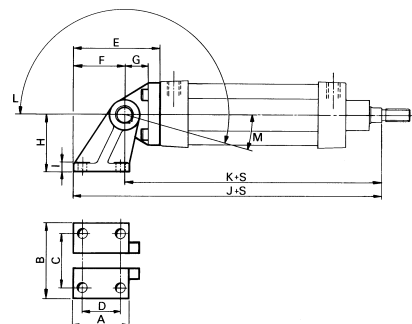
In this combination the swivel rod bracket is attached to the indicated cylinder.

Pivot bracket	Swivel eye bracket
32 9121658401	9121568601
40 9121658402	9121568602
50 9121658403	9121568603
63 9121658404	9121568604
80 9121658405	9121568605
100 9121658406	9121568606

Pin
32 9126342601
40 9126342602
50 9126342603
63 9126342604
80 9126342605
100 9126342606

Cylinder bore mm	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	J mm	K mm	L°	M°
32	30,5	48	32	18	49,5	27,5	15,0	32	6	169,5	142	180	30
40	34,5	49	36	22	58,5	30,5	21,0	36	6	190,5	160	190	25
50	44,5	60	45	30	68,5	40,5	19,5	45	8	210,5	170	180	22
63	49,5	61	46	35	80,5	44,5	26,0	50	9	234,5	190	177	20
80	59,0	80	60	40	90,0	57,0	26,0	63	10	267,0	210	170	20
100	70,0	89	70	50	108,0	65,0	29,0	71	10	295,0	230	172	20

S = Stroke length

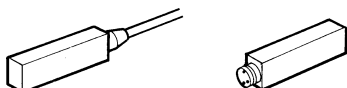


C41

Sensors

Reed switch sensors

The reed switch sensors incorporate a well-proven, universal-voltage. This together with LED indication, two-wire connections and compact dimensions make them suitable for a wide range of applications. They can operate with PLC control systems as well as with conventional valves.



Technical data

Design	Reed
Output	Making
Voltage range	10-250 VAC/VDC
9126344301 and 9126344302	
Voltage range,	10-60 VAC/75 VDC
9126344309	
Voltage drop	max. 2,2 V
Load current	max. 0,5 A
Breaking power (resistive)	max. 30/20 VA/W
Actuating distance	min. 9 mm
Hysteresis	1 mm
Repeatability accuracy	±0,01 mm
On/off switching frequency	max. 500 Hz
On switching time	max. 0,6 ms
Off switching time	max. 0,05 ms
Encapsulation	IP 67 (DIN 40 050)
Temperature range	-25 °C to +80 °C
Indication	LED, yellow
Material housing	PEI
Material mould	Epoxy
Weight sensor incl. 3 m cable	68 g
Cable	PVC 2x0.25 mm ²
Weight cable excl. connector	28 g/m
Weight sensor incl. male	
part connector	5,8 g
Connector type	Diam. 8, snap-on
Weight female part connector	1,8 g
Mounting	Attachment bracket
Material bracket	Anodised aluminium
Material screw	Stainless steel

Ordering data

Order code	Output	Cable connection	Cable length	Weight kg
------------	--------	------------------	--------------	-----------

Reed sensors

9126344301	making	straight *)	3 m	0,08
9126344302	making	straight *)	10 m	0,23
9126344309	making	straight **)		0,01

Attachment bracket for C41



For reed and electronic sensors	Cylinder bore mm	
9126344361	32 to 50	0,02
9126344362	63 to 80 and 160 to 200	0,02
9126344363	100 to 125	0,02

Electronic sensors

These sensors are of solid-state type, with no moving parts. Short-circuit and transient protection is incorporated as standard. The integral electronics make these sensors suitable for applications with very high switching frequencies and demands for extremely long service life.



Technical data

Design	Inductive
Output	PNP, N.O.
Voltage range	10-30 VDC
Ripple	max ±5%
Voltage drop	max. 1,6 V
Load current	max. 200 mA
Breaking power (resistive)	max. 6 W
Capacitive load	max 0,33 µF
Internal consumption	10 mA
Actuating distance	min. 9 mm
Hysteresis	0,8 mm
Repeatability accuracy	±0,01 mm
On/off switching frequency	max. 500 Hz
On switching time	max. 0,8 ms
Off Switching time	max. 0,04 ms
Encapsulation	IP 67 (DIN 40 050)
Temperature range	-25 °C till +80 °C
Indication	LED, yellow
Material housing	PEI
Material mould	Epoxy
Weight sensor incl. 3 m cable	70 g
Cable	PVC 3x0.25 mm ²
Weight cable excl. connector	28 g/m
Weight sensor incl. male	
part connector	6 g
Connector type	Diam. 8, snap-on
Weight female part connector	1,8 g
Mounting	Attachment bracket
Material bracket	Anodised aluminium
Material screw	Stainless steel

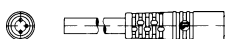
Ordering data

Order code	Output	Cable connection	Cable length	Weight kg
------------	--------	------------------	--------------	-----------

Electronic sensors

9126344321	PNP, N.O.	straight *)	3 m	0,07
9126344322	PNP, N.O.	straight *)	10 m	0,22
9126344329	PNP, N.O.	straight **)		0,01

Cables for sensors, complete with 8 mm round connector



9126344341	Cable, Flex PVC, 3 m	0,07
9126344342	Cable, Flex PVC, 10 m	0,21
9126344343	Cable, Super Flex PVC, 3 m	0,07
9126344344	Cable, Super Flex PVC, 10 m	0,21
9126344345	Cable, Polyuretan, 3 m	0,01
9126344346	Cable, Polyuretan, 10 m	0,20

* Encapsulated cable

** Cable shall be ordered separately.

Symbols and dimensions, see page 32.

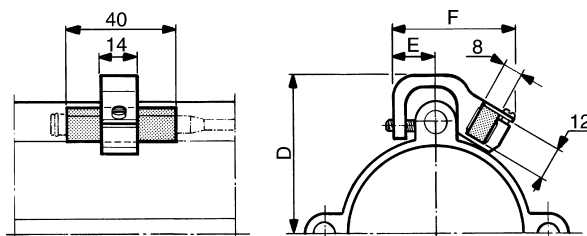
C41

Sensors

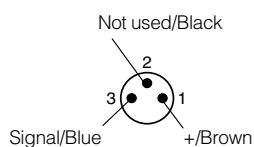
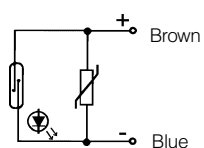
Dimensions

For C41 with reed or electronic sensors, type: 91263443●●.

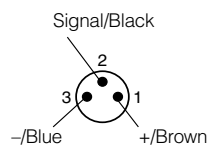
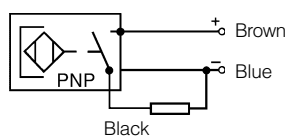
Cylinder bore mm	D mm	E mm	F mm
32	36	12	40
40	40	12	40
50	46	12	40
63	58	17	45
80	67	16	45
100	82	16	49
125	96	16	49
160	112	17	45
200	134	17	45



Symbol reed sensor



Symbol electronic sensor



Colours according to cable	9126344341
	9126344342