aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding

Pneumatic cylinders

Series PX - Ø25 to Ø125 mm
According to NFE49-001 and CNOMO 06-07-02

Catalogue PDE2530TCUK September 2014

Parker

ENGINEERING YOUR SUCCESS.

Features	Air cylinder	Hydraulic cylinder	Electro mechanical actuators
Overload safe	***	***	*
Easy to limit force	***	***	*
Easy to vary speed	***	***	*
Speed	***	**	**
Reliability	***	***	***
Robustness	***	***	*
Installation cost	***	*	**
Ease of service	***	**	*
Safety in damp environments	***	***	*
Safety in explosive atmospheres	***	***	*
Safety risk with electrical installations	***	***	*
Risk of oil leak	***	*	***
Clean, hygienic	***	**	*
Standardised measurements	***	***	*
Service life	***	***	*
Hydraulic system required	***	*	***
Weight	**	**	**
Purchase price	***	**	*
Power density	**	***	*
Noise level during operation	**	***	**
High force for size	**	***	*
Positioning possibilities	*	***	***
Total energy consumption	*	**	***
Service interval	*	**	***
Compressor capacity required	*	***	***

* = good, **=average, ***=excellent

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
All technical data in this catalogue are typical data only.
Air quality is essential for maximum cylinder service life (see ISO 8573).

Contents Page

- Conforms to NF E 49-001, CNOMO 06-07-02
- Long life conforming to the CNOMO E06.22.115N recommendation
- Dry, filtered compressed air to ISO 8573-1 class 3.4.3.
- Hard anodised aluminium body as standard
- 25 to 125 mm bore sizes
- Wide variety of options and mountings

Technical Data

Cylinder Ø	Cushioning length	Speed	Start pressure Cushioned cylinder		Non cushioned cylinder		Weight for 0 mm stroke	Weight per 10 mm
		maxi.	Outlet rod	Inlet rod	Outlet rod	Inlet rod		
mm	mm	m/s	bar	bar	bar	bar	kg	kg
25	15	2,0	0,60	0,65	0,50	0,55	0,373	0,026
32	17	2,0	0,60	0,60	0,40	0,45	0,410	0,033
40	24	2,0	0,60	0,60	0,40	0,45	0,860	0,055
50	26	1,5	0,36	0,40	0,20	0,25	1,130	0,067
63	30	1,0	0,36	0,40	0,20	0,25	1,270	0,106
80	30	1,0	0,24	0,25	0,15	0,17	2,700	0,115
100	30	1,0	0,24	0,25	0,13	0,15	4,630	0,156
125	30	0,6	0,15	0,17	0,10	0,12	7,000	0,188

Cylinder Ø	Section		Theorical pressure [1] at 6 bar		Air consumption [2]
	outlet rod	inlet rod	outlet rod	inlet rod	
mm	cm^2	cm^2	N	N	l
25	4,91	3,78	290	230	0,061
32	8,04	6,91	480	410	0,105
40	12,57	10,56	750	630	0,162
50	19,63	16,49	1180	990	0,253
63	31.17	28,03	1870	1680	0,414
80	50,27	45,36	3020	2720	0,669
100	78,54	73,63	4710	4420	1,065
125	122,72	114,68	7360	6880	1,662

1) Piston pressure values are theorical and must be adaptated according to use conditions
2) Air consumption by 10 mm stroke for a duplicate stroke at 6 bar

Material specification

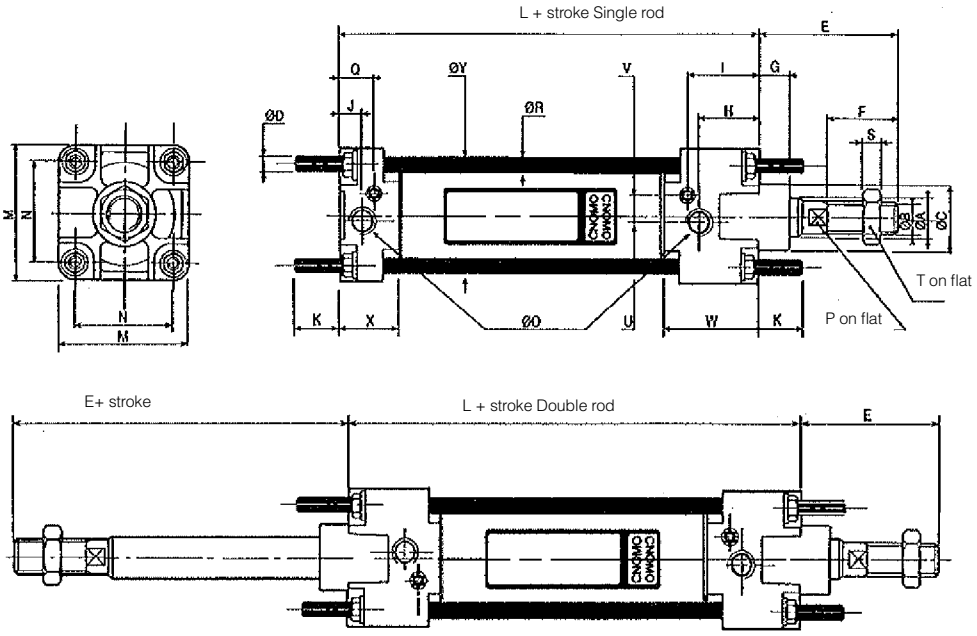
	Standard version
Body	Anodised aluminium
Tie rod	Stainless steel
End caps	Aluminium
Piston rod nut	Zinc plated steel
Piston rod	Stainless steel
Piston rod bearing	Self lubricating sintered bronze
Piston	Aluminium alloy
Wear rings	Acetal (self lubricating)
Magnet ring	Encapsulated ferrite Ø 32 à 100 mm
Seals	Polyuréthane
Bearings	Acétal (T < 80 °C)
Piston rod nut	Zinc plated steel
Tie rod nut	Zinc plated steel
Cushion screw	Stainless steel

Conditions of use

Pressure range	1 to 12 bar	
Temperature range	mini.	maxi.
Standard	-20 °C	+80 °C
Storage temperature	mini.	maxi.
Standard	-40 °C	+80 °C
Recommended lubricant	Mineral oils ISO VG 22 or VG 32, class HM	
Air quality	Dry, filtered compressed air to ISO 8573-1 class 3.4.3.	

Prelubricated : Further lubrication is not neccessary
In case of addtionnal lubrication, repeat lubrication at regular intervals

Dimensions (mm)



Cylinder Ø mm	ØA* mm	ØB* mm	ØC* mm	ØD* mm	E* mm	F* mm	G* mm	H mm	I mm	J mm	K* mm	L* mm
25	12	M10 x 1,50	25	M6 x 1,00	45	20	15	19	23	9	17	80
32	12	M10 x 1,50	25	M6 x 1,00	45	20	15	19	23	9	17	80
40	18	M16 x 1,50	32	M6 x 1,00	70	36	15	30	39	11	17	110
50	18	M16 x 1,50	32	M8 x 1,25	70	36	15	30	36	11	23	110
63	22	M20 x 1,50	45	M8 x 1,25	85	46	20	30	41	13	23	125
80	22	M20 x 1,50	45	M10 x 1,50	85	46	20	31	42	13	28	125
100	30	M27 x 2,00	55	M10 x 1,50	110	63	20	42	49	15	28	145
125	30	M27 x 2,00	55	M12 x 1,75	110	63	20	35	40	16	34	145

Cylinder Ø mm	L1* mm	M* mm	N* mm	ØO* mm	P* mm	Q mm	ØR mm	ØR(1) mm	S* mm	T*	U	V mm	W mm	X mm	ØY mm
25	90	40	28	1/8	8	13	5,4	5,3	5,0	17	1,0	7,0	34,5	24,5	29
32	90	45	33	1/8	8	13	5,4	5,3	5,0	17	3,5	8,0	31,5	21,5	36
40	129	52	40	1/4	13	20	5,4	5,3	8,0	24	2,0	8,0	48,0	29,0	45
50	129	65	49	1/4	13	17	7,2	7,15	8,0	24	3,0	10,0	48,0	29,0	55
63	143	75	59	3/8	17	24	7,2	7,15	10,0	30	0,0	13,0	52,0	34,0	68
80	143	95	75	3/8	17	24	9,0	9,0	10,0	30	0,0	13,0	50,0	32,0	86
100	164	115	90	1/2	22	22	9,0	9,0	13,5	41	0,0	18,5	57,0	38,0	106
125	164	140	110	1/2	22	21	10,8	10,8	13,5	41	0,0	23,0	52,0	33,0	132

* Standard dimensions

Tolerances on strokes

Cylinder Ø mm	Tolerance stroke >1000 mm mm	Tolerance 1000 mm <stroke> 2000 mm mm	Maximum stroke of 2800 mm
25	0 / +2,0	0 / +3,2	
32	0 / +2,0	0 / +3,2	
40	0 / +2,0	0 / +3,2	
50	0 / +2,0	0 / +3,2	
63	0 / +2,0	0 / +4,0	
80	0 / +2,0	0 / +4,0	
100	0 / +2,0	0 / +4,0	
125	0 / +2,0	0 / +5,0	

Order code

Options

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
P	X	A	-	T	0	5	0	M	C	B	-	X	X	X	X	A	X	X	X

Cylinder function

A	Double acting

Cylinder version

T	Tie rods
F	Tie rod trunnion

Cylinder bore mm

025
032
040
050
063
080
100
125

Cylinder type

M	Single rod, male rod end
A	Through rod, male rod ends

Sealing / piston rod material

Magnetic piston	Non magnetic piston	
B	**A**	-20 to +80°C stainless steel rod
C	**T**	-20 to +80°C chrome plated rod

Stroke (mm) e.g. 0100 = 100 mm

Optional stroke lengths up to 2800 mm.

Tube and nuts material

B	Aluminium body Zinc plated tie rod nuts
C	Aluminium body Stainless steel tie rod nuts
J	Stainless steel body Stainless steel tie rod nuts
P	Epoxy painted aluminium body Stainless steel tie rod nuts

Note: tie rods are in stainless steel as standard

Trunnion position, setting position = H

A	With cot. position behind if <1000 [1]
B	With cot. position behind if <1000 [2]

XXXX = Stroke in mm 4 digits (digits 13 to 16)
XXX = Trunnion position (digits 18,19 & 20)
1 A = Trunnion axis perpendicular to cylinder supply holes
2 B = Trunnion axis in line with cylinder supply holes

Working medium, air quality

Working medium — Dry, filtered compressed air to ISO 8573-1 class 3.4.3.

Recommended air quality for cylinders

For best possible service life and trouble-free operation, ISO 8573-1 quality class 3.4.3 should be used. This means 5 µm filter (standard filter) dew point +3 °C for indoor operation (a lower dew point should be selected for outdoor operation) and oil concentration 1.0 mg oil/m³, which is what a standard compressor with a standard filter gives.

ISO 8573-1 quality classes

Quality class	Pollution particle size (µm)	Pollution max con-centration (mg/m³)	Water max. press. dew point (°C)	Oil max con-centration (mg/m³)
1	0,1	0,1	-70	0,01
2	1	1	-40	0,1
3	5	5	-20	1,0
4	15	8	+3	5,0
5	40	10	+7	25
6	-	-	+10	-

PX Cylinders standard version

Ø 25 to 100 mm : Magnetic cushioned cylinder, aluminium body, chrome piston rod, stainless steel tie rods, galvanized steel nuts

Ø 125 mm : Non magnetic cushioned cylinder, aluminium body, chrome piston rod, stainless steel tie rods, galvanized steel nuts

Cylinder Ø mm	Stroke mm	Order code
25 Conn. G1/8	25	**PXA-T025MCB-0025**
	50	**PXA-T025MCB-0050**
	75	**PXA-T025MCB-0075**
	100	**PXA-T025MCB-0100**
	125	**PXA-T025MCB-0125**
	150	**PXA-T025MCB-0150**
	200	**PXA-T025MCB-0200**
	250	**PXA-T025MCB-0250**
	300	**PXA-T025MCB-0300**
	400	**PXA-T025MCB-0400**
	500	**PXA-T025MCB-0500**
32 Conn. G1/8	25	**PXA-T032MCB-0025**
	50	**PXA-T032MCB-0050**
	75	**PXA-T032MCB-0075**
	100	**PXA-T032MCB-0100**
	125	**PXA-T032MCB-0125**
	150	**PXA-T032MCB-0150**
	200	**PXA-T032MCB-0200**
	250	**PXA-T032MCB-0250**
	300	**PXA-T032MCB-0300**
	400	**PXA-T032MCB-0400**
	500	**PXA-T032MCB-0500**
40 Conn. G1/4	25	**PXA-T040MCB-0025**
	50	**PXA-T040MCB-0050**
	75	**PXA-T040MCB-0075**
	100	**PXA-T040MCB-0100**
	125	**PXA-T040MCB-0125**
	150	**PXA-T040MCB-0150**
	200	**PXA-T040MCB-0200**
	250	**PXA-T040MCB-0250**
	300	**PXA-T040MCB-0300**
	400	**PXA-T040MCB-0400**
	500	**PXA-T040MCB-0500**
50 Conn. G1/4	25	**PXA-T050MCB-0025**
	50	**PXA-T050MCB-0050**
	75	**PXA-T050MCB-0075**
	100	**PXA-T050MCB-0100**
	125	**PXA-T050MCB-0125**
	150	**PXA-T050MCB-0150**
	200	**PXA-T050MCB-0200**
	250	**PXA-T050MCB-0250**
	300	**PXA-T050MCB-0300**
	400	**PXA-T050MCB-0400**
	500	**PXA-T050MCB-0500**
63 Conn. G3/8	25	**PXA-T040MCB-0025**
	50	**PXA-T063MCB-0050**
	75	**PXA-T063MCB-0075**
	100	**PXA-T063MCB-0100**
	125	**PXA-T063MCB-0125**
	150	**PXA-T063MCB-0150**
	200	**PXA-T063MCB-0200**
	250	**PXA-T063MCB-0250**
	300	**PXA-T063MCB-0300**
	400	**PXA-T063MCB-0400**
	500	**PXA-T063MCB-0500**
	600	**PXA-T063MCB-0600**

Cylinder Ø mm	Stroke mm	Order code
80 Conn. G3/8	25	**PXA-T080MCB-0025**
	50	**PXA-T080MCB-0050**
	75	**PXA-T080MCB-0075**
	100	**PXA-T080MCB-0100**
	125	**PXA-T080MCB-0125**
	150	**PXA-T080MCB-0150**
	200	**PXA-T080MCB-0200**
	250	**PXA-T080MCB-0250**
	300	**PXA-T080MCB-0300**
	400	**PXA-T080MCB-0400**
	500	**PXA-T080MCB-0500**
	600	**PXA-T080MCB-0600**
100 Conn. G1/2	25	**PXA-T100MCB-0025**
	50	**PXA-T100MCB-0050**
	75	**PXA-T100MCB-0075**
	100	**PXA-T100MCB-0100**
	125	**PXA-T100MCB-0125**
	150	**PXA-T100MCB-0150**
	200	**PXA-T100MCB-0200**
	250	**PXA-T100MCB-0250**
	300	**PXA-T100MCB-0300**
	400	**PXA-T100MCB-0400**
	500	**PXA-T100MCB-0500**
	600	**PXA-T100MCB-0600**
125 Conn. G1/2	50	**PXA-T125MTB-0050**
	75	**PXA-T125MTB-0075**
	100	**PXA-T125MTB-0100**
	125	**PXA-T125MTB-0125**
	150	**PXA-T125MTB-0150**
	200	**PXA-T125MTB-0200**
	250	**PXA-T125MTB-0250**
	300	**PXA-T125MTB-0300**
	400	**PXA-T125MTB-0400**
	500	**PXA-T125MTB-0500**

Drop-in sensors

The completely new "drop-in" 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. There is a double jointed adapter for the tie-rod version, which offers simple and flexible use of standard sensors.

Electronic sensors

The new 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.

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

Reed sensors

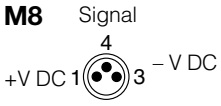
The sensors are based on proven reed switches, which offer reliable function in many applications. Simple installation, a protected position on the cylinder and clear LED indication are important advantages of this range of sensors.

Technical data

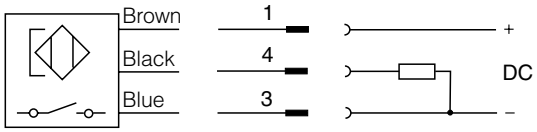
Design	Reed element
Mounting	From side, down into the sensor groove, so-called drop-in
Output	Normally open , or normally closed
Voltage range	10-30 V AC/DC or 10-120 V AC/DC 24-230 V AC/DC
Load current	max 500 mA for 10-30 V or max 100 mA for 10-120 V max 30 mA for 24-230 V
Breaking power (resistive)	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

M8

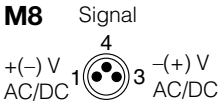


M12

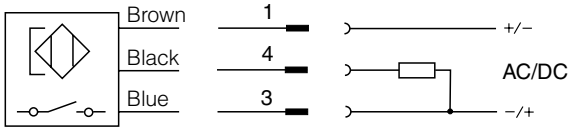


Reed sensors

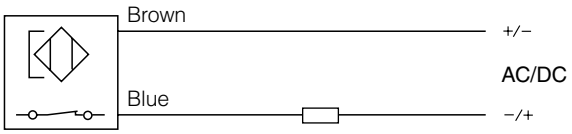
M8



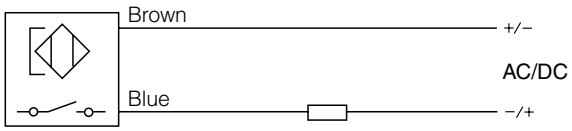
M12



P8S-GCFPX

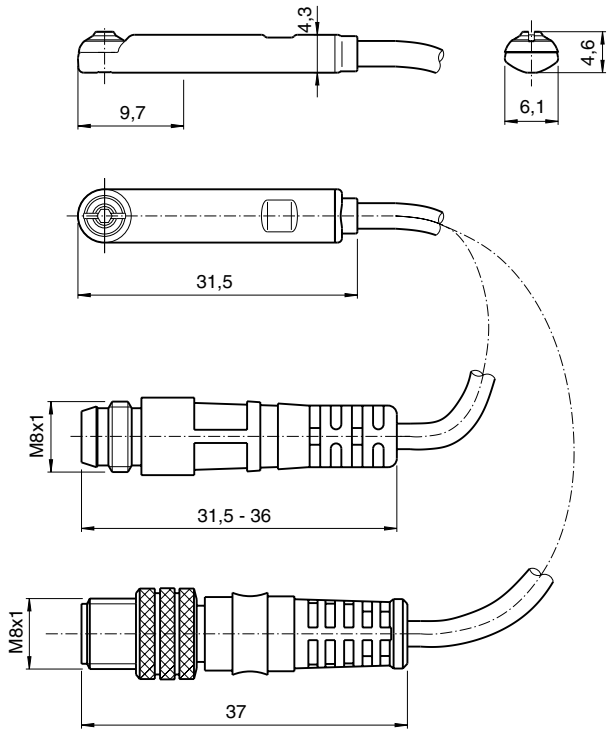


P8S-GRFLX / P8S-GRFLX2

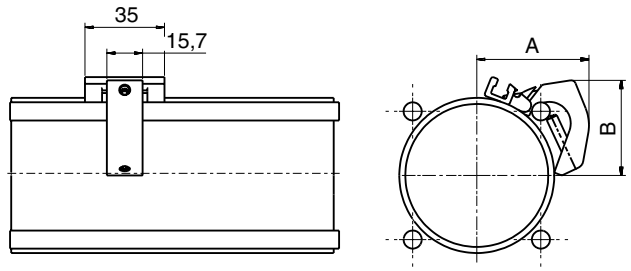


Dimensions (mm)

Sensors



Adapter for tie-rod design



Cyl.bore mm	A mm	B mm
25	31	23
32	35	26
40	39	30
50	44	30
63	50	42
80	54	52
100	62	60
125	74	69

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 [2)]	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**

2) Without LED

Adapter for tie-rod design

Description	Weight kg	Order code
Double jointed adapter for cylinder bores Ø25 to Ø125 mm	0,07	**P8S-TMA0X**

Connecting cables with one connector

The cables have an integral snap-in female connector.

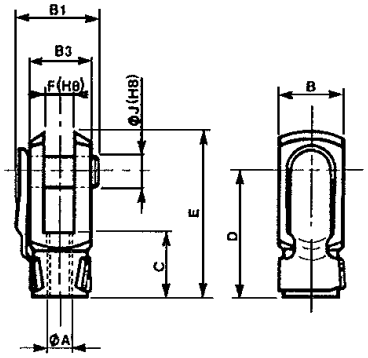
Type of cable	Cable/connector	Weight kg	Order code
Cables for sensors, complete with one female connector			
Cable, Flex PVC	3 m, 8 mm Snap-in connector	0,07	**9126344341**
Cable, Flex PVC	10 m, 8 mm Snap-in connector	0,21	**9126344342**
Cable, Polyurethane	3 m, 8 mm Snap-in connector	0,01	**9126344345**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

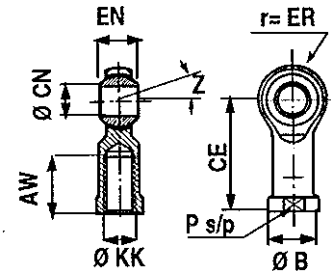
Clevis
Type CNOMO 06.07.14



Material : Steel, zinc plated

Ø mm	ØA mm	B mm	B1 mm	B3 mm	C mm	D mm	E mm	F mm	J mm	Weight kg	Order code
25	M10 x 1,50	22	28	22	20	36	45	11	8	0,09	**FE10X150**
32	M10 x 1,50	22	28	22	20	36	45	11	8	0,09	**FE10X150**
40	M16 x 1,50	26	44	36	26	51	64	18	12	0,25	**FE16X150**
50	M16 x 1,50	26	44	36	26	51	64	18	12	0,25	**FE16X150**
63	M20 x 1,50	34	53	45	30	63	80	22	16	0,53	**FE20X150**
80	M20 x 1,50	34	53	45	30	63	80	22	16	0,53	**FE20X150**
100	M27 x 2,00	42	73	63	45	85	105	30	20	1,13	**FE27X200**
125	M27 x 2,00	42	73	63	45	85	105	30	20	1,13	**FE27X200**

Rod eye

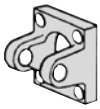


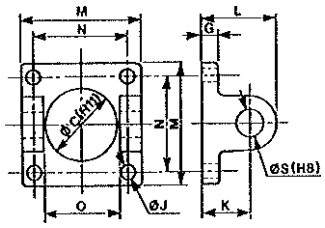
Material : Steel, zinc plated

Ø mm	ØKK mm	AW mm	B mm	C mm	CE mm	CN (H7) mm	D mm	EN mm	ER mm	P mm	Z mm	Weight kg	Order code
25	M10 x 1,50	20	19	12,9	43	10	15	14	14	17	13	0,77	**FER10X150**
32	M10 x 1,50	20	19	12,9	43	10	15	14	14	17	13	0,77	**FER10X150**
40	M16 x 1,50	28	28	19,3	64	16	23	21	21	22	15	0,22	**P1C-4MRS**
50	M16 x 1,50	28	28	19,3	64	16	23	21	21	22	15	0,22	**P1C-4MRS**
63	M20 x 1,50	33	35	24,3	77	20	26	25	25	30	14	0,42	**P1C-4PRS**
80	M20 x 1,50	33	35	24,3	77	20	26	25	25	30	14	0,42	**P1C-4PRS**
100	M27 x 2,00	51	50	34,8	110	30	37	37	37	41	17	1,10	**P1C-4RRS**
125	M27 x 2,00	51	50	34,8	110	30	37	37	37	41	17	1,10	**P1C-4RRS**

* Standard dimensions

Clevis bracket
Type CNOMO 06.07.09



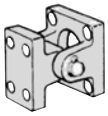


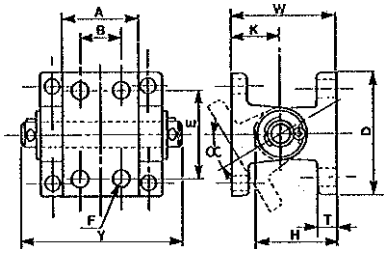
Material : Cast iron, black painted

Ø mm	ØC* mm	G* mm	ØJ* mm	K* mm	L* mm	M* mm	N* mm	O* mm	ØS* mm	Weight kg	Order code
25	25	8	7	18	26	40	28	26	8	0,70	**AF025**
32	25	8	7	18	26	45	33	26	8	1,10	**AF032**
40	32	8	7	24	36	52	40	33	12	1,35	**AF040**
50	32	10	9	26	38	65	49	33	12	0,33	**AF050**
63	45	10	9	30	46	75	59	47	16	0,45	**AF063**
80	45	12	11	32	48	95	75	47	16	0,90	**AF080**
100	55	12	11	37	57	115	90	57	20	1,47	**AF100**
125	55	16	14	41	61	140	110	57	20	2,66	**AF125**

* Standard dimensions

Combination clevis male and female brackets
Type CNOMO 06.07.10



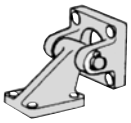


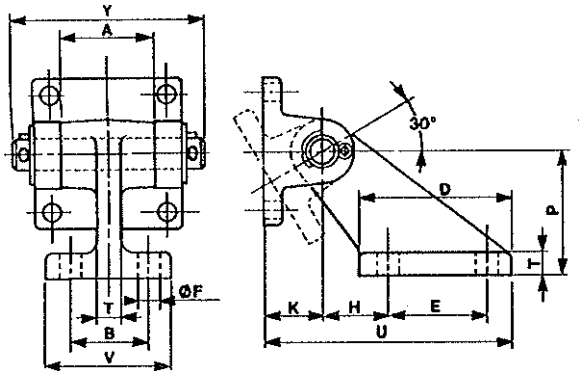
Material : Cast iron, black painted, Pin: Hardened steel

Ø mm	A* mm	B* mm	D* mm	E* mm	ØF* mm	H* mm	K mm	T* mm	W mm	Y mm	x mm	Weight kg	Order code
25	25	0	40	28	7	26	18	8	36	51.5	30°	0,70	**AFM025**
32	25	0	40	28	7	26	18	8	36	56.5	30°	1,10	**AFM032**
40	32	16	52	38	9	38	24	10	50	69.5	25°	1,35	**AFM040**
50	32	16	52	38	9	38	26	10	52	82.5	30°	0,33	**AFM050**
63	46	25	75	54	11	50	30	12	64	98.0	30°	0,45	**AFM063**
80	46	25	75	54	11	50	32	12	66	118.0	30°	0,90	**AFM080**
100	56	32	115	90	14	61	37	16	78	142.0	30°	1,47	**AFM100**
125	56	32	115	90	14	61	41	16	82	167.0	30°	2,66	**AFM125**

* Standard dimenisons

Combination pivot and clevis brackets
Type CNOMO 06.07.11



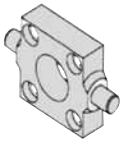


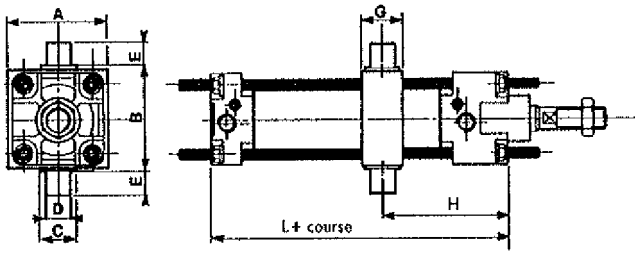
Material : Cast iron, black painted, Pin: Hardened steel

Ø mm	A* mm	B* mm	D* mm	E* mm	ØF* mm	H* mm	K* mm	P* mm	T* mm	U mm	V* mm	Y mm	Weight kg	Order code
25	25	25	37	20	7	18	18	32	8	65	41	52	0,70	**AFME025**
32	25	25	37	20	7	18	18	32	8	65	41	57	1,10	**AFME032**
40	32	32	54	32	9	25	24	45	10	92	52	70	1,35	**AFME040**
50	32	32	54	32	9	25	26	45	10	94	52	83	0,33	**AFME050**
63	46	40	75	50	11	32	30	63	12	125	63	98	0,45	**AFME063**
80	46	40	75	50	11	32	32	63	12	127	63	118	0,90	**AFME080**
100	56	50	103	70	14	40	37	90	16	164	80	142	1,47	**AFME100**
125	56	50	103	70	14	40	41	90	16	168	80	167	2,66	**AFME125**
160	71	63	154	110	18	50	55	140	20	237	103	211	5,82	**AFME160**
200	71	63	154	110	18	50	55	140	20	237	103	251	9,07	**AFME200**

* Standard dimensions

Centre trunnion
Type CNOMO 06.07.12





Material : Steel, zinc plated

Ø mm	A* mm	B* mm	ØC* mm	ØD* mm	E* mm	G* mm	H mini mm	H1	H2	L* mm
25	38	42	20	12	12	22	46	46	46	80
32	46	50	20	12	12	22	43	46	48	80
40	58	63	25	16	16	30	63	65	66	110
50	68	73	25	16	16	30	63	65	66	110
63	84	90	30	20	20	35	70	72	74	125
80	102	108	30	20	20	35	68	72	76	125
100	124	131	36	25	25	40	77	82	87	145
125	152	159	36	25	25	40	72	82	92	145
160	190	200	45	32	32	70	95	90	85	180
200	242	250	45	32	32	70	95	90	85	180

* Standard dimensions

Hstd = H1 + stroke / 2

H maxi = H2 + stroke

Trunnion position H ± 1 mm

Steel piston rod locknut

Ø mm	Weight kg	Order code
25	0,006	**9813200**
32	0,006	**9813200**
40	0,018	**9128985603**
50	0,018	**9128985603**
63	0,035	**0261109911**
80	0,035	**0261109911**
100	0,087	**9128985607**
125	0,087	**9128985607**

Stainless steel piston rod locknut

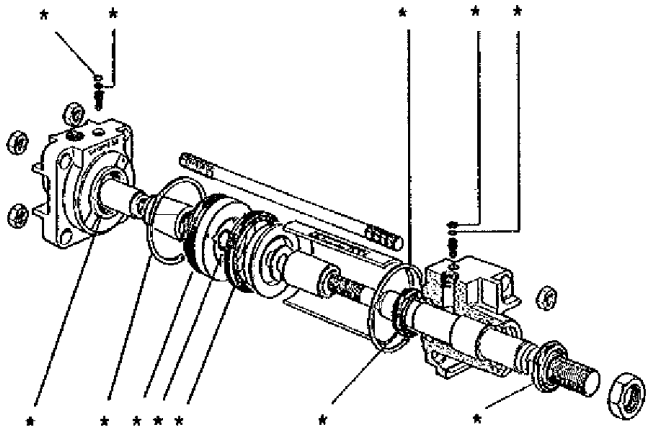
Ø mm	Weight kg	Order code
25	0,006	**9813200N**
32	0,006	**9813200N**
40	0,020	**9126725406**
50	0,020	**9126725406**
63	0,036	**0261109921**
80	0,036	**0261109921**
100	0,093	**0261109922**
125	0,093	**0261109922**

Maintenance kits for the piston *

Ø mm	Order code
32	**JJ032A12**
40	**JJ040A12**
50	**JJ050A12**
63	**JJ063A12**
80	**JJ080A12**

*** Note:** If wear/magnetic-ring, bore 32-80, (Old design, produced before February 2011) is worn out, the cylinder needs to be rebuilt to the latest design by using a piston-kit

Seals kits



Components marked (*) are part of the bellow repair kits

Ø mm	Standard temperature range
25	**JJ025A02**
32	**JJ032A02**
40	**JJ040A02**
50	**JJ050A02**
63	**JJ063A02**
80	**JJ080A02**
100	**JJ100A02**
125	**JJ125A02**

Assembly nutted stud and mountings tightening torque (Nm)

Ø mm	Std. body Stroke	Std. body Torque	Steel body Stroke	Steel body Torque	Epoxy body Stroke	Epoxy body Torque
25	0-800	5	801-1200	2		
32	0-900	5	901-2000	2	0-400	2,5
40	0-1100	5	1101-2000	3	0-600	3,5
50	0-1200	10	1201-2000	6	0-700	6,0
63	0-1200	12	1201-2000	8	0-700	9,0
80	0-1400	20	1401-2000	14	0-700	12,0
100	0-1400	24	1401-2000	20	0-900	13,0
125	0-1500	35	1501-2000	30	0-1000	17,0

Note: Nutted studs and mounting nuts should be progressively tightened diagonally opposite until indicated torque values are reached

Parker Worldwide

Europe, Middle East, Africa

AE – United Arab Emirates,
Dubai
Tel: +971 4 8127100
parker.me@parker.com

AT – Austria, Wiener Neustadt
Tel: +43 (0)2622 23501-0
parker.austria@parker.com

AT – Eastern Europe, Wiener Neustadt
Tel: +43 (0)2622 23501 900
parker.easteurope@parker.com

AZ – Azerbaijan, Baku
Tel: +994 50 2233 458
parker.azerbaijan@parker.com

BE/LU – Belgium, Nivelles
Tel: +32 (0)67 280 900
parker.belgium@parker.com

BY – Belarus, Minsk
Tel: +375 17 209 9399
parker.belarus@parker.com

CH – Switzerland, Etoy
Tel: +41 (0)21 821 87 00
parker.switzerland@parker.com

CZ – Czech Republic, Klecany
Tel: +420 284 083 111
parker.czechrepublic@parker.com

DE – Germany, Kaarst
Tel: +49 (0)2131 4016 0
parker.germany@parker.com

DK – Denmark, Ballerup
Tel: +45 43 56 04 00
parker.denmark@parker.com

ES – Spain, Madrid
Tel: +34 902 330 001
parker.spain@parker.com

FI – Finland, Vantaa
Tel: +358 (0)20 753 2500
parker.finland@parker.com

FR – France, Contamine s/Arve
Tel: +33 (0)4 50 25 80 25
parker.france@parker.com

GR – Greece, Athens
Tel: +30 210 933 6450
parker.greece@parker.com

HU – Hungary, Budapest
Tel: +36 23 885 475
parker.hungary@parker.com

IE – Ireland, Dublin
Tel: +353 (0)1 466 6370
parker.ireland@parker.com

IT – Italy, Corsico (MI)
Tel: +39 02 45 19 21
parker.italy@parker.com

KZ – Kazakhstan, Almaty
Tel: +7 7272 505 800
parker.easteurope@parker.com

NL – The Netherlands, Oldenzaal
Tel: +31 (0)541 585 000
parker.nl@parker.com

NO – Norway, Asker
Tel: +47 66 75 34 00
parker.norway@parker.com

PL – Poland, Warsaw
Tel: +48 (0)22 573 24 00
parker.poland@parker.com

PT – Portugal, Leca da Palmeira
Tel: +351 22 999 7360
parker.portugal@parker.com

RO – Romania, Bucharest
Tel: +40 21 252 1382
parker.romania@parker.com

RU – Russia, Moscow
Tel: +7 495 645-2156
parker.russia@parker.com

SE – Sweden, Spånga
Tel: +46 (0)8 59 79 50 00
parker.sweden@parker.com

SK – Slovakia, Banská Bystrica
Tel: +421 484 162 252
parker.slovakia@parker.com

SL – Slovenia, Novo Mesto
Tel: +386 7 337 6650
parker.slovenia@parker.com

TR – Turkey, Istanbul
Tel: +90 216 4997081
parker.turkey@parker.com

UA – Ukraine, Kiev
Tel +380 44 494 2731
parker.ukraine@parker.com

UK – United Kingdom, Warwick
Tel: +44 (0)1926 317 878
parker.uk@parker.com

ZA – South Africa, Kempton Park
Tel: +27 (0)11 961 0700
parker.southafrica@parker.com

North America

CA – Canada, Milton, Ontario
Tel: +1 905 693 3000

US – USA, Cleveland
Tel: +1 216 896 3000

Asia Pacific

AU – Australia, Castle Hill
Tel: +61 (0)2-9634 7777

CN – China, Shanghai
Tel: +86 21 2899 5000

HK – Hong Kong
Tel: +852 2428 8008

IN – India, Mumbai
Tel: +91 22 6513 7081-85

JP – Japan, Tokyo
Tel: +81 (0)3 6408 3901

KR – South Korea, Seoul
Tel: +82 2 559 0400

MY – Malaysia, Shah Alam
Tel: +60 3 7849 0800

NZ – New Zealand, Mt Wellington
Tel: +64 9 574 1744

SG – Singapore
Tel: +65 6887 6300

TH – Thailand, Bangkok
Tel: +662 186 7000-99

TW – Taiwan, Taipei
Tel: +886 2 2298 8987

South America

AR – Argentina, Buenos Aires
Tel: +54 3327 44 4129

BR – Brazil, Sao Jose dos Campos
Tel: +55 800 727 5374

CL – Chile, Santiago
Tel: +56 2 623 1216

MX – Mexico, Apodaca
Tel: +52 81 8156 6000

European Product Information Centre
Free phone: 00 800 27 27 5374
(from AT, BE, CH, CZ, DE, DK, EE, ES, FI, FR, IE, IL, IS, IT, LU, MT, NL, NO, PL, PT, RU, SE, SK, UK, ZA)

Catalogue PDE2530TCUK - V2 - September 2014

Parker Hannifin Ltd.
Tachbrook Park Drive
Tachbrook Park,
Warwick, CV34 6TU
United Kingdom
Tel.: +44 (0) 1926 317 878
Fax: +44 (0) 1926 317 855
parker.uk@parker.com
www.parker.com

Your local authorized Parker distributor