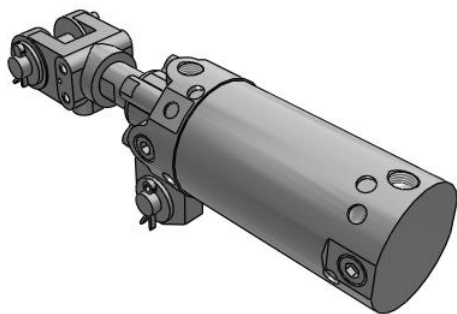


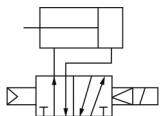


CKG1-Z/CKP1-Z, Clamp Cylinder w/Magnetic Field Resistant Auto Switch (Rod Mounting Style) CKP1A50-50YAZ

Datasheet

General series information

- This product is being discontinued and will be replaced by CK1-Z1 series. Update details here.
- Clevis width: 16.5mm, 19.5mm
- Easy speed adjustment
- Piping ports are located on three surfaces
- Air cushion: unclamped, head on

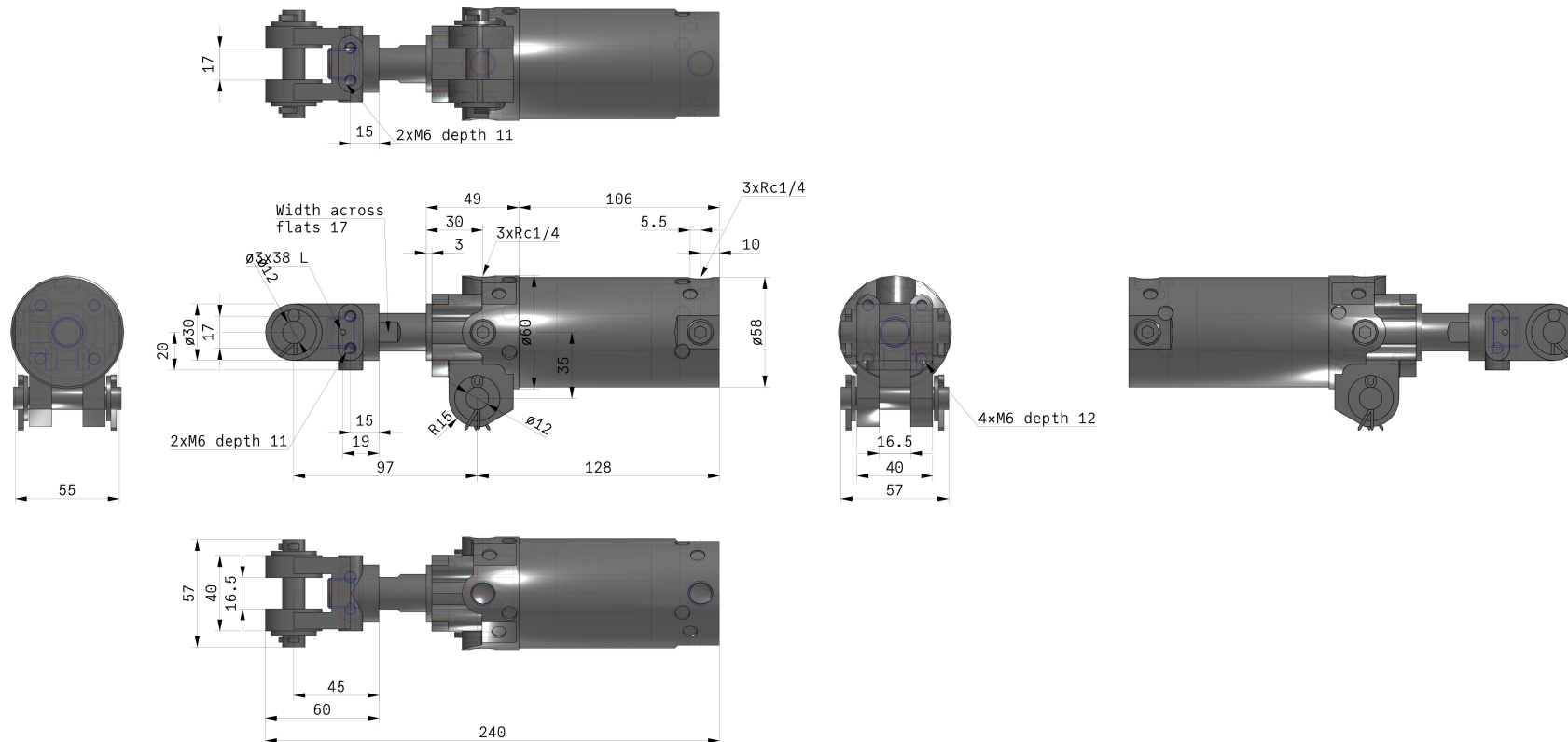


Clamp, w/Magnetic Field Resistant Auto
Switch (Rod Mounting Style) Cylinder

Standard specifications

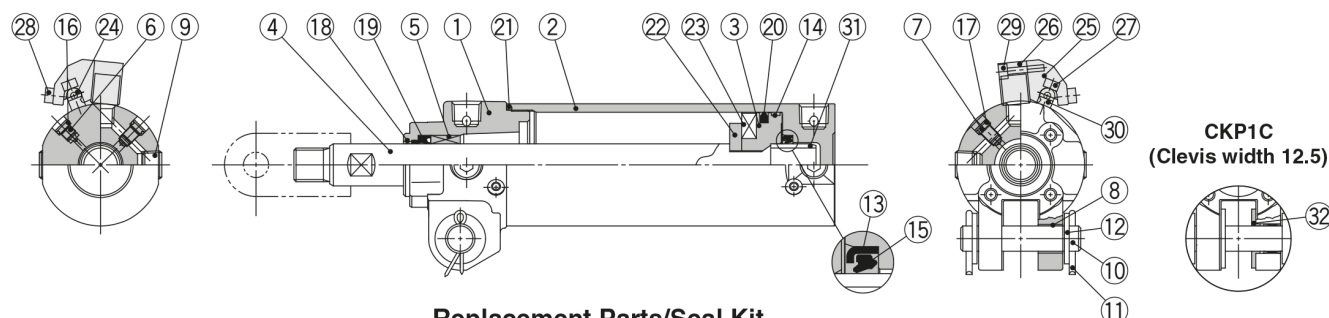
Magnet	P1 (Built-in Strong Magnet w/Magnetic Field Resistant Auto Switch)
Clevis	A (16.5mm)
Bore Size	50 mm
Thread	Rc1/4
Stroke	50 mm
End Bracket	YA (Double Knuckle Joint, M6 w/Tap)
Option	None
Auto Switch	w/o Auto Switch(Built-in Magnet); w/o Switch Mounting Rod
Lead Wire or Prewired Connector	0.5m (Or None in the Case of No Switch)
Number	2 pcs. (Or None in the Case of No Switch)
Air Cushion	None
Maximum operating pressure	1.0 MPa
Minimum operating pressure	0.05 MPa
Proof pressure	1.5 MPa
Maximum piston speed	500 mm/s
Type of cushioning	Unclamped side (head end): With air cushion
Minimum piston speed	50 mm/s

Lubrication	Non-lube
Fluid	Air
Ambient and fluid temperature	-10°C - 60°C
Stroke length tolerance	+1.0 0
F450 - Mounting	Double clevis
Speed controller	Equipped on both ends
Weight	1.520 Kg



Constructions

CKP1□40, 50, 63 Rod mounting style



Replacement Parts/Seal Kit

Bore size (mm)	Order no.	Contents
40	CK1A40-PS	Set of nos. above (19, 20, 21).

Note 1) Seal kits are the same as those of the CKG1□/CKP1□.
 Note 2) Seal kit does not come with a grease pack, so please order it separately.
Grease pack part number: GR-S-010
 (compatible with all sizes)
 Note 3) Cylinders with Ø 50 or larger bore sizes are tightened with a large tightening torque and cannot be disassembled. Please contact SMC when disassemble is required.

Component Parts

No.	Description	Material	Q'ty	Note
1	Rod cover	Aluminum alloy	1	Chromated
2	Tube cover	Aluminum alloy	1	Hard anodized
3	Piston	Aluminum alloy	1	Chromated
4	Piston rod	Carbon steel	1	Hard chrome plating
5	Bushing	Bearing alloy	1	
6	Cushion valve	Steel wire	1	Black zinc chromated
7	Speed controller valve	Steel wire	2	Nickel plating
8	Clevis bushing	Oil-impregnated sintered alloy	2	
9	Hexagon socket head plug	Carbon steel	4	Rc1/4
10	Pin	Carbon steel	1	
11	Cotter pin	Low carbon steel wire rod	2	
12	Flat washer	Rolled steel	2	
13	Cushion seal retainer	Rolled steel	1	Zinc chromated
14	Wear ring	Resin	1	
15	Cushion seal	Urethane	1	
16	Cushion valve seal	NBR	1	
17	Speed controller valve seal	NBR	2	

No.	Description	Material	Q'ty	Note
18	Coil scraper	Phosphor bronze	1	
19	Rod seal	NBR	1	
20	Piston seal	NBR	1	
21	Tube gasket	NBR	1	
22	Magnet holder	Aluminum alloy	1	
23	Magnet	—	1	
24	Switch mounting rod	Carbon steel	1	Zinc chromated
25	Auto switch mounting bracket	Aluminum alloy	—	
26	Magnetic field resistant auto switch	—	—	
27	Hexagon socket head cap screw	Steel wire	2	M4 x 0.7 x 14 L
28	Hexagon socket head cap screw	Steel wire	2 pcs. per switch	M4 x 0.7 x 8 L
29	Hexagon socket head cap screw	Steel wire	2 pcs. per switch	M3 x 0.5 x 16 L
30	Switch mounting spacer	Aluminum alloy	2	
31	Cushion ring	Aluminum alloy	1	Anodized
32	Spacer	Bearing alloy	2	CKP1C only

Additional information

Catalogue

[CK1-Z-Bb_EU.pdf](#)

Operation manuals

[OM_CK1-Z_OM0066P_EN.pdf](#)
[OM_CK1-Z1_OM0258Q_EN.pdf](#)