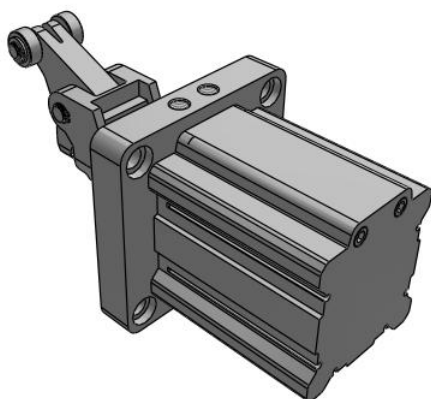




RS2H, Heavy Duty Stopper Cylinder RS2H80TF-40TL-D

Datasheet

General series information

- Heavy duty stopper cylinder
- Bore sizes (mm): 50, 63, 80
- Piping available from 2 directions
- Mounting type: flange
- Variety of options available

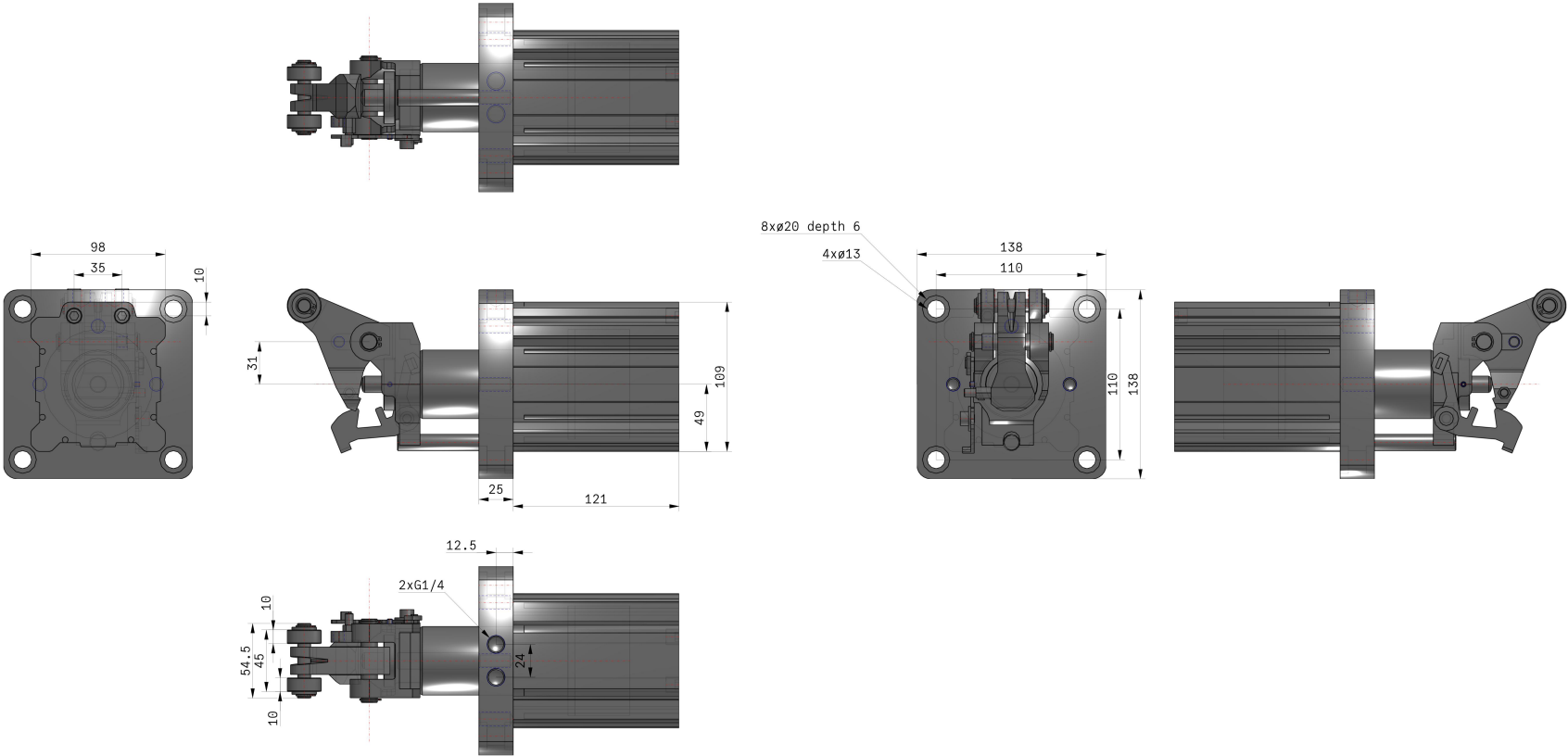


Single acting cylinder / Extended / Magnet
Return by spring

Standard specifications

Bore Size	80 mm
Port Thread	TF (G Thread)
Piping	Flange Side
Stroke	40mm (RS2H80)
Action	T (Single Acting, Spring Extend)
Roller Material	L (Resin)
Option	D (Locking Mechanism)
Port and Lever Position	0°
Shock Absorber	Standard
Auto Switch	No Switch
Lead Wire or Pre-wired Connector	0.5 m (Or None in the Case of No Switch)
Number	2 pcs. (Or None in the Case of No Switch)
Made to Order	Standard
Maximum operating pressure	1 MPa
Proof pressure	1.5 MPa
Maximum ambient temperature	60 °C
Minimum ambient temperature	-10 °C (No freezing)
Conform to the European RoHS Directive	Conform

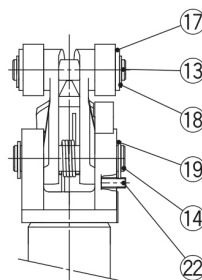
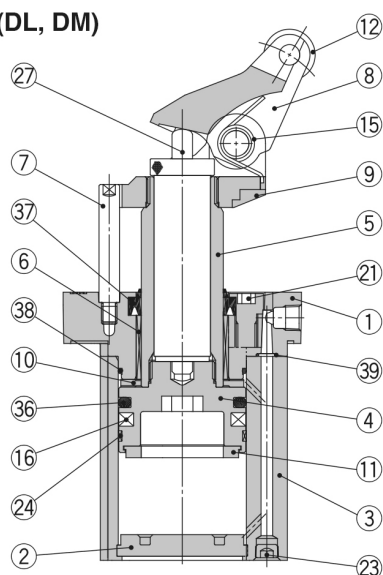
Type of cushioning	Rubber bumper
Port size	1/4
Lubrication	Non Lube
Stroke length tolerance	$\pm 0 \sim 1.4$ mm
F450 - Mounting	Flange
Action	Single acting / spring extend



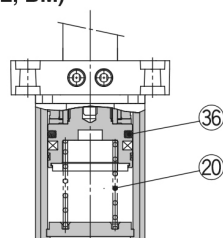
Constructions

Construction

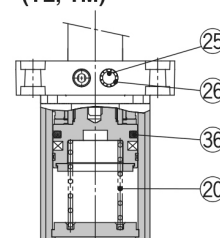
Double acting (DL, DM)



Double acting spring type (BL, BM)

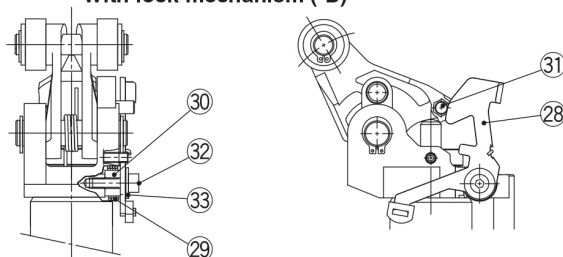


Single acting (TL, TM)

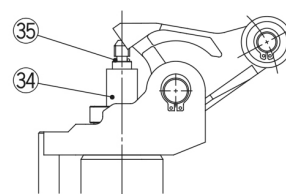


Options (With lock mechanism and cancel cap)

With lock mechanism (-D)



When cancel cap is used (-C)



Component Parts

No.	Description	Material	Note
1	Rod cover	Aluminum alloy	Metallic painted
2	Bottom plate	Aluminum alloy	Hard anodized
3	Cylinder tube	Aluminum alloy	Hard anodized
4	Piston	Aluminum alloy	Chromated
5	Piston rod	Carbon steel	Hard chrome plated
6	Bushing	Bearing alloy	
7	Guide rod	Carbon Steel	Hard chrome plated
8	Lever	Cast iron	Zinc chromated
9	Lever holder	Cast iron	Zinc chromated
10	Bumper A	Urethane	
11	Bumper B	Urethane	
12	Roller	Resin	-□□L
		Carbon steel	-□□M
13	Roller pin	Carbon steel	
14	Lever pin	Carbon steel	
15	Lever spring	Steel wire	
16	Magnet	—	
17	Flat washer	Steel wire	Zinc chromated
18	Type C retaining ring for shaft	Carbon tool steel	
19	Type C retaining ring for shaft	Carbon tool steel	
20	Return spring	Steel wire	-T□/-B□
21	Hexagon socket head cap screw	Chrome molybdenum steel	Zinc chromated
22	Hexagon socket head set screw	Chrome molybdenum steel	Zinc chromated
23	Hexagon socket head plug	Carbon steel	Zinc chromated
24	Wear ring	Resin	
25	Element	Bronze	-□TL/-□TM
26	Retaining ring	Carbon tool steel	-□TL/-□TM
27	Shock absorber	—	
28	Bracket assembly	Carbon steel	Used for -D (Lock type)

Component Parts

No.	Description	Material	Note
29	Bracket spring	Steel wire	Used for -D (Lock type)
30	Bracket spacer	Carbon steel	Used for -D (Lock type)
31	Lock pin	Carbon steel	Used for -D (Lock type)
32	Hexagon socket head cap screw	Chrome molybdenum steel	Used for -D (Lock type)
33	Flat washer	Carbon steel	Used for -D (Lock type)
34	Cancel cap	Aluminum alloy	Used for -C (Cancel cap type)
35	O-ring	NBR	Used for -C (Cancel cap type)
36	Piston seal	NBR	
37	Rod seal	NBR	
38	Tube gasket	NBR	
39	O-ring	NBR	

Replacement Parts/Seal Kit

Bore size (mm)	Kit no.			Contents
	Double acting	Double acting spring type	Single acting	
50	RS2H50D-PS	RS2H50T-PS		Set of nos. above ②⑥ to ③⑨ (excluding ③⑦)
63	RS2H63D-PS	RS2H63T-PS		
80	RS2H80D-PS	RS2H80T-PS		

*Seal kit includes ②⑥ to ③⑨ (excluding ③⑦).

Order the seal kit based on each bore size.

*Since the seal kit does not include a grease pack, order it separately.

Grease pack part no.: GR-S-010 (10 g)

Replacement Parts/Shock Absorber

Bore size (mm)	Order no.
50	RS2H-R50
63	RS2H-R63
80	RS2H-R80

Additional information

Catalogue

[RS2H-A_EU.pdf](#)

Operation manuals

[OM_RS2H_OM0012PEN-B.pdf](#)