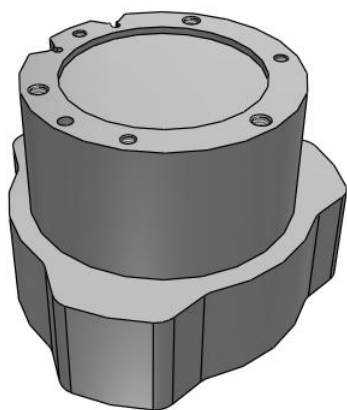




Standard with Dust Cover - MHSJ3 MHSJ3-80DS

Datasheet

General series information

- Maximum gripping force 525 N at 0.5 MPa
- Double acting
- Repeatability: ± 0.01 mm
- Max. operating frequency: 120 c.p.m.

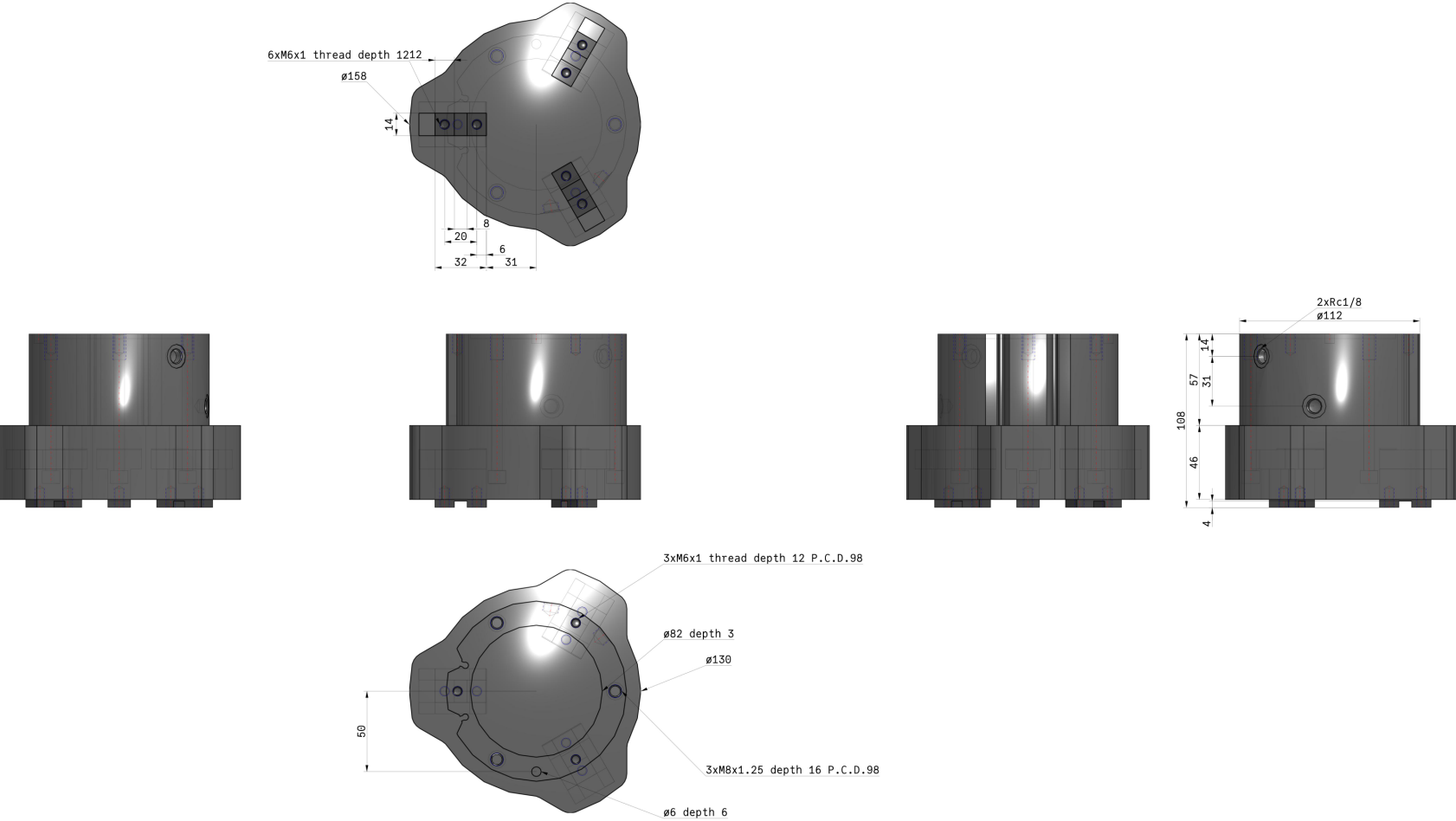


Gripper, internal grip, double-acting with permanent magnet on piston

Standard specifications

Bore Size	80 mm
Port Thread	Bore 16-63: M Thread; Bore 80: Rc
Dust Cover	S (Silicone Rubber)
Auto Switch	No Switch
Lead Wire or Pre-wired Connector	0.5 m (Or None in the Case of No Switch)
Suffix for Auto Switch	2 pcs. (Or None in the Case of No Switch)
Special Specifications	None
Maximum operating pressure	0.6 MPa
Minimum operating pressure	0.1 MPa
Maximum ambient temperature	60 °C
Minimum ambient temperature	-10 °C
Repeatability	± 0.01 mm
Lubrication	Non-lube
Effective holding force per finger, external (0.5 MPa)	400 N
Effective holding force per finger, internal (0.5 MPa)	525 N
Maximum operating frequency	30 c.p.m.
Fluid	Air
Action	Double Acting
Stroke per gripper jaw	20 mm

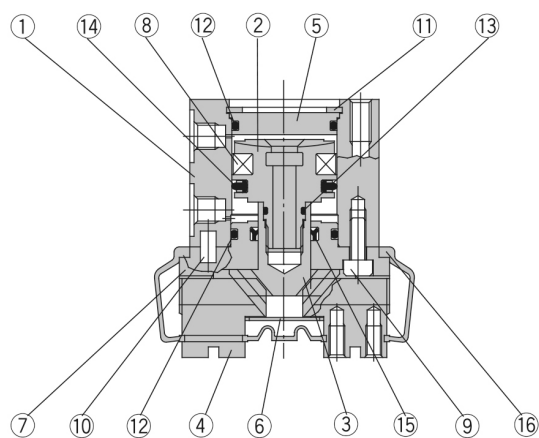
Dimensions



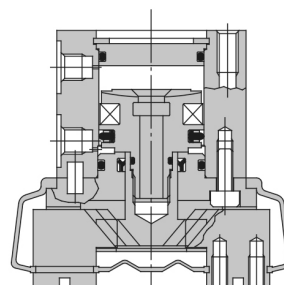
Constructions

ø16 to ø25

Closed condition

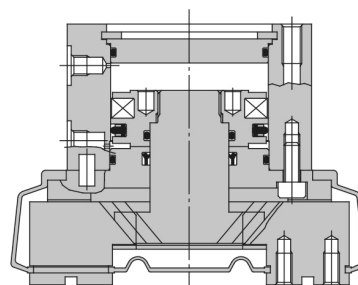


Open condition



ø32 to ø80

Open condition



Parts list

No.	Description	Material	Note
1	Body	Aluminum alloy	Hard anodized
2	Piston	ø16 to ø25: Stainless steel ø32 to ø80: Aluminum alloy	Hard anodized
3	Cam (J)	Carbon steel	Heat treated, Specially treated
4	Finger	Carbon steel	Heat treated, Specially treated
5	Cap (J)	Aluminum alloy	Hard anodized
6	End plate (J)	Stainless steel	
7	Guide	Aluminum alloy	Hard anodized

No.	Description	Material	Note
8	Rubber magnet	Synthetic rubber	
9	Hexagon socket head screw	Carbon steel	Nickel plated
10	Parallel pin	Stainless steel	
11	C type snap ring	Carbon steel	Nickel plated
12	Gasket	NBR	
13	Gasket	NBR	
14	Piston seal	NBR	
15	Rod seal	NBR	

Additional information

Catalogue

[MHS_EU.pdf](#)