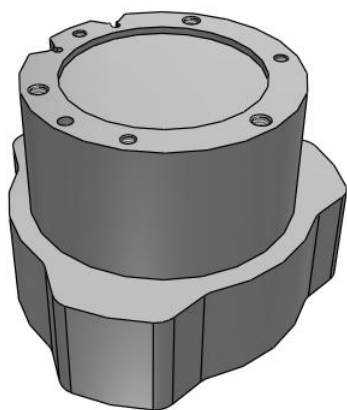




Standard with Dust Cover - MHSJ3 MHSJ3-80DF

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.



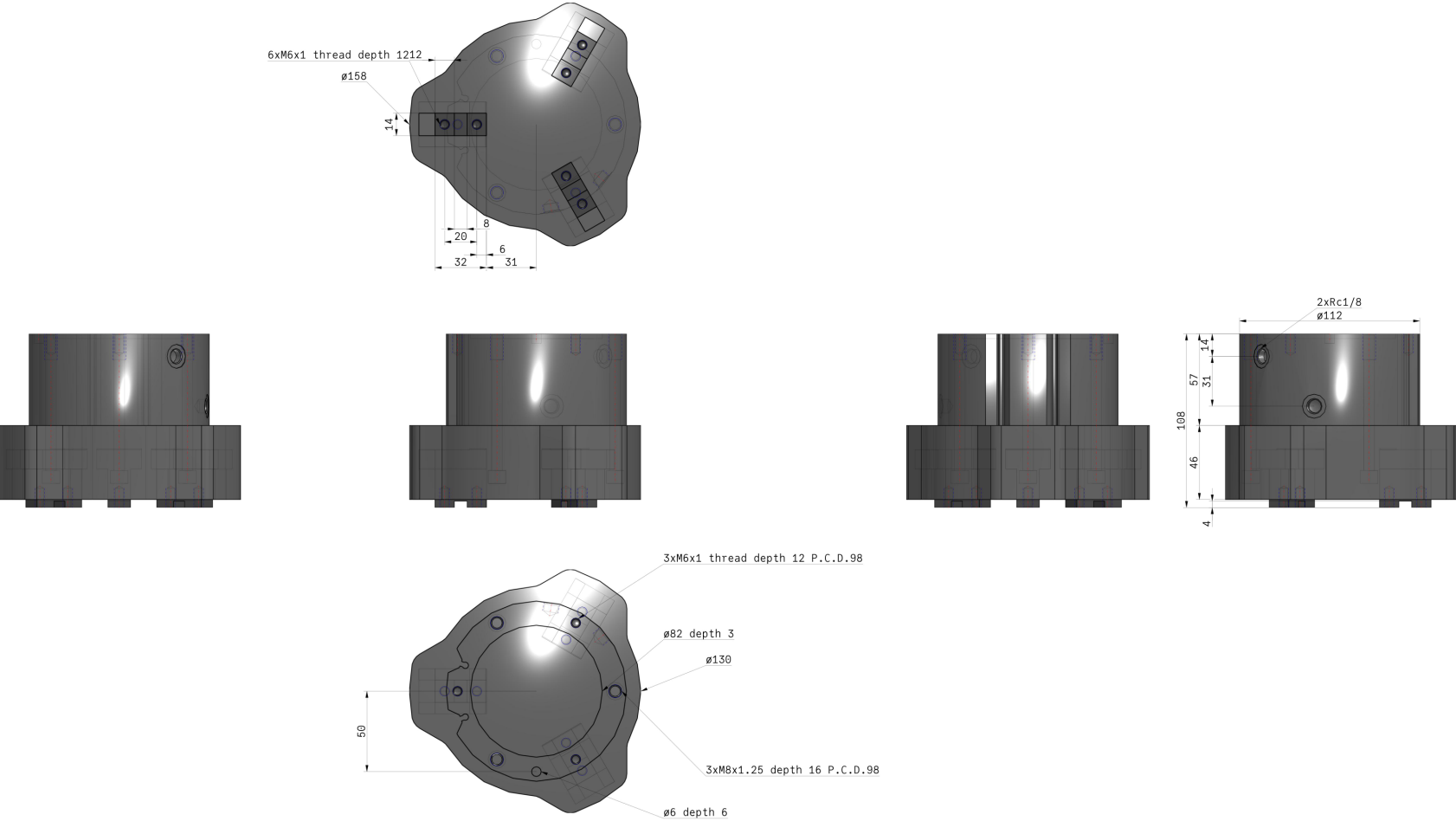
Gripper, internal grip, double-acting with permanent magnet on piston

Standard specifications

Bore Size	80 mm
Port Thread	Bore 16-63: M Thread; Bore 80: Rc
Dust Cover	F (Fluoro 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

Weight	3.240 Kg
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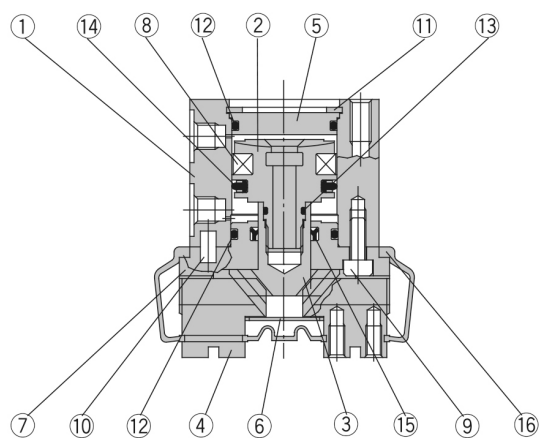
Dimensions



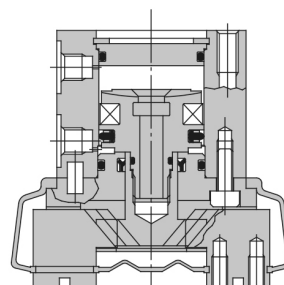
Constructions

ø16 to ø25

Closed condition

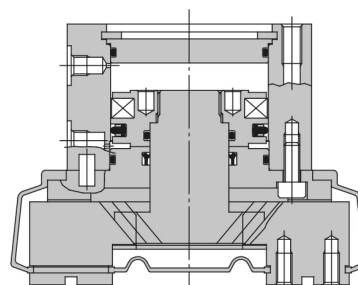


Open condition



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](#)