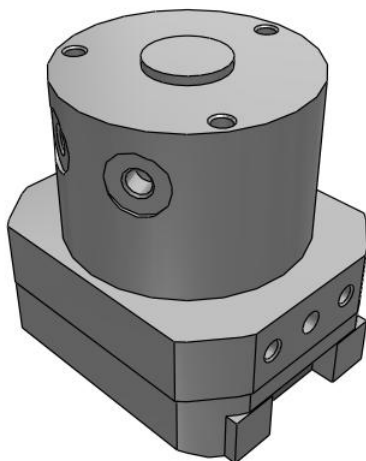


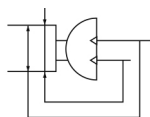


Standard - MHR2 MHR2-20R

Datasheet

General series information

- Maximum gripping force 59 N at 0.5 MPa
- Double acting
- Repeatability: ± 0.01 mm
- Max. operating frequency: 180 c.p.m.

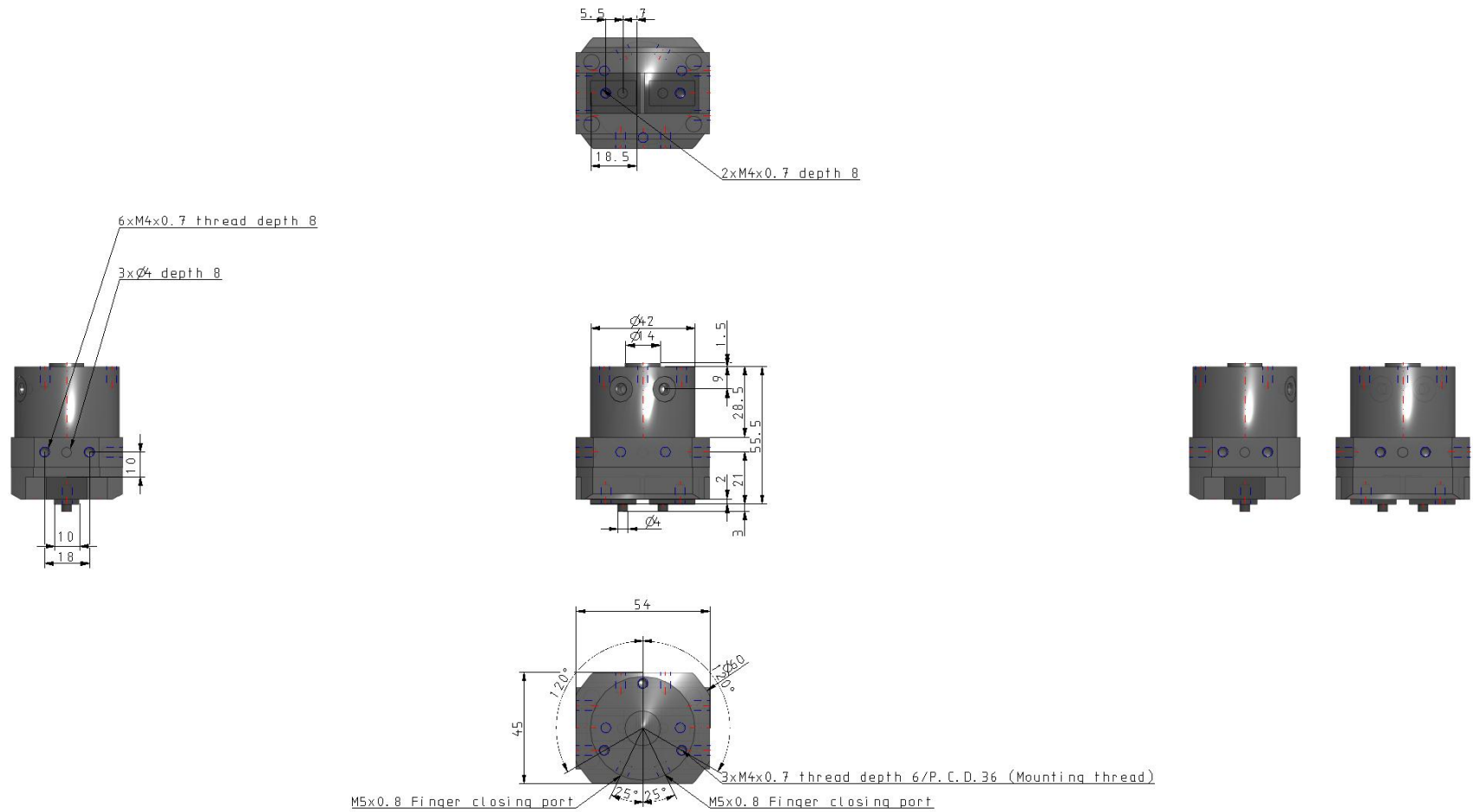


Rotary actuated air gripper

Standard specifications

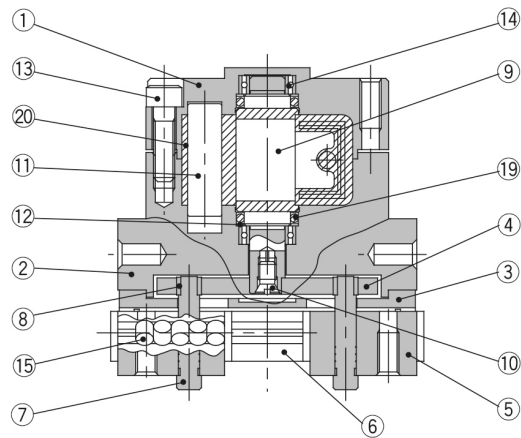
Nominal Size	20
Port Location	R (Body Side Direction)
Maximum operating pressure	0.6 MPa
Minimum operating pressure	0.15 MPa
Maximum ambient temperature	60 °C
Minimum ambient temperature	0 °C
Repeatability	± 0.01 mm
Port size	M5
Applicable fluid	Air
Lubrication	Non lube
Action	Double acting
Holding force at 0.5 MPa, external hold	33 N
Holding force at 0.5 MPa, internal hold	34 N
Opening / closing stroke (both sides), closing	16 mm
Opening / closing stroke (both sides), opening	28 mm
Weight	0.390 Kg

Dimensions

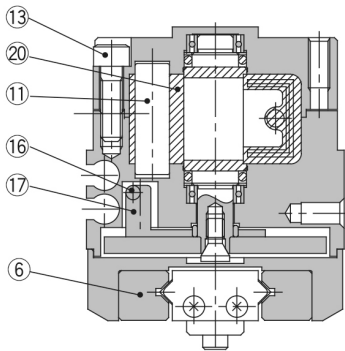
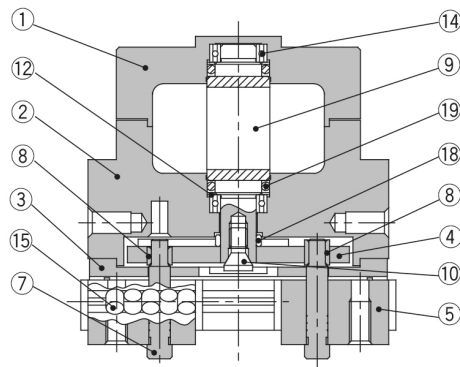


Constructions

MHR2



MDHR2



Component Parts

No.	Description	Material	Note
①	Body	Aluminum alloy	Anodized
②	Adaptor Body	Aluminum alloy	Anodized
③	Guide holder	Stainless steel	
④	Cam	Cold rolled steel	Nitriding
⑤	Finger ass'y	Stainless steel	Heat treatment
⑥	Guide	Stainless steel	Heat treatment
⑦	Pin	Carbon steel	Heat treatment Electroless nickel plated
⑧	Pin roller	Stainless steel	Nitriding
⑨	Vane shaft	Stainless steel	M□HR2-30 is carbon steel
⑩	Shaft bolt	Chrome molybdenum steel	Zinc chrome

Component Parts

No.	Description	Material	Note
⑪	Stopper	Resin	
⑫	Back-up ring	Stainless steel plate	
⑬	Hexagon socket head bolt	Stainless steel	
⑭	Bearing	High carbon chrome steel	
⑮	Cylindrical roller	Stainless steel	
⑯	Magnet	Magnetic material	
⑰	Magnet holder	Aluminum alloy	Anodized
⑱	Roller	Stainless steel	Nitriding
⑲	O ring	NBR	
⑳	Stopper packing	NBR	

Additional information

Catalogue

[MHR2_EU.pdf](#)

Operation manuals

[OM_MHR2_OMG0033EN.pdf](#)