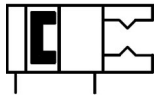


## Standard - MHC2 MHC2-16D

### Datasheet

### General series information

- Maximum gripping moment 1.36 Nm at 0.5 MPa
- Opening angle from 30° to -10°
- Double acting
- Repeatability:  $\pm 0.01$  mm
- Max. operating frequency: 180 c.p.m.

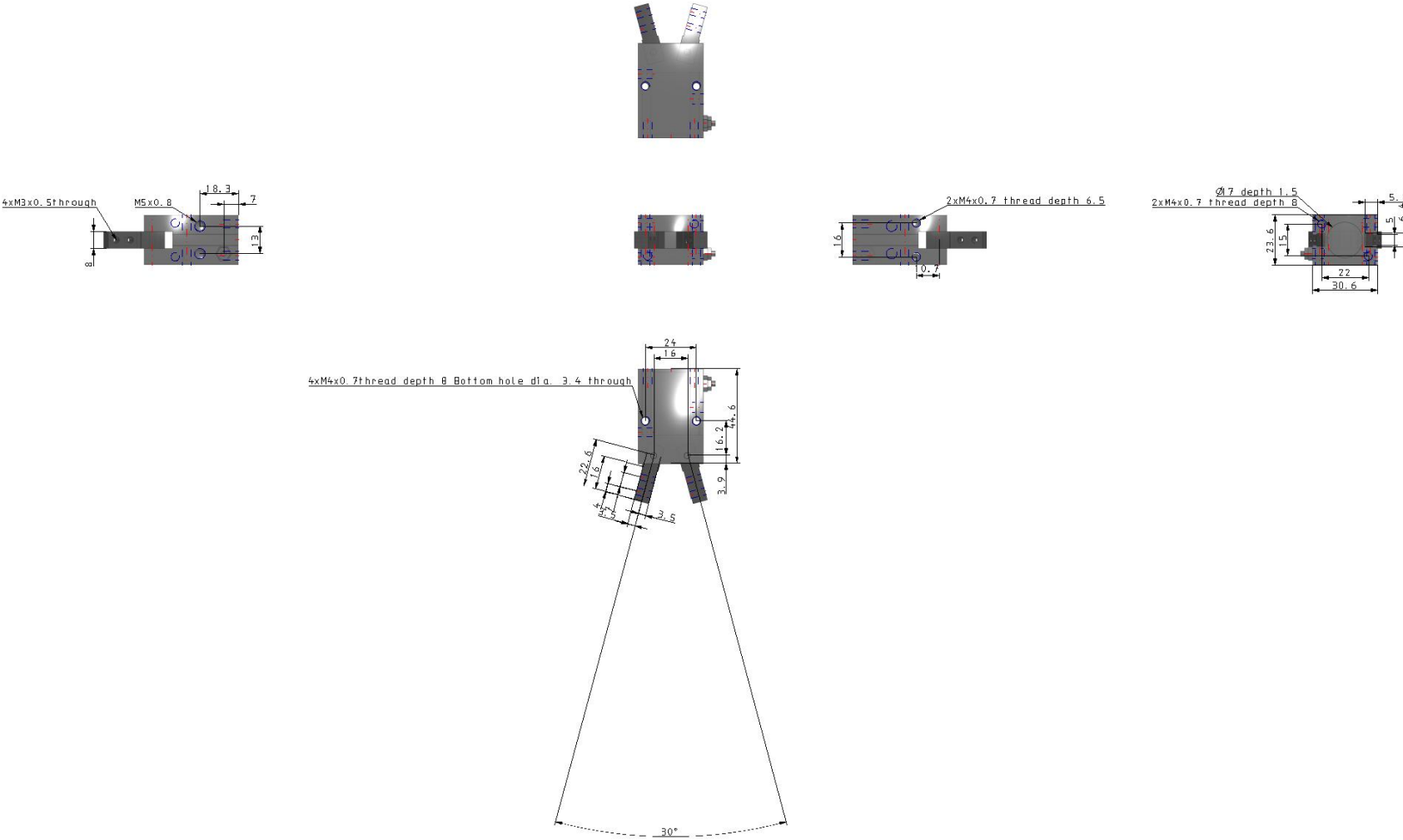


*Gripper, external grip, double-acting with permanent magnet on piston*

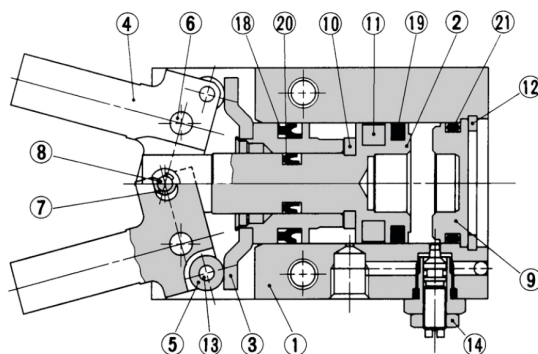
### Standard specifications

Bore Size	16mm
Action	D (Double Acting)
Auto Switch	No Switch
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)
Maximum operating pressure	0.6 MPa
Minimum operating pressure	0.1 MPa
Maximum ambient temperature	60 °C
Minimum ambient temperature	-10 °C
Conform to the European RoHS Directive	Conform
F124- Max-operating-frequency	180 c.p.m.
Repeatability	$\pm 0.01$ mm
Applicable fluid	Air
Lubrication	Non Lube
Opening / closing stroke (both sides)	30° to -10 °
Holding moment (effective value)	0.39 N.m
Weight	0.091 Kg

# Dimensions



## Constructions



### Component Parts

No.	Description	Material	Note
1	<b>Body</b>	Aluminum alloy	Hard anodized
2	<b>Piston A</b>	Aluminum alloy	Hard anodized
3	<b>Piston B assembly</b>		
4	<b>Finger</b>	Carbon steel	Heat treated
5	<b>Side roller</b>	Carbon steel	Nitriding
6	<b>Lever shaft</b>	Stainless steel	Nitriding
7	<b>Center roller</b>	Carbon steel	Nitriding
8	<b>Center pin</b>	Carbon steel	Nitriding
9	<b>Cap</b>	Resin	
10	<b>Bumper</b>	Urethane rubber	
11	<b>Rubber magnet</b>	Synthetic rubber	

### Component Parts

No.	Description	Material	Note
12	<b>Type C retaining ring</b>	Carbon steel	Phosphate coated
13	<b>Needle roller</b>	High carbon chrome bearing steel	
14	<b>Needle assembly</b>	Brass	Electroless nickel plated
15	<b>Exhaust plug</b>	Brass	Electroless nickel plated
16	<b>Plug</b>	Brass	Electroless nickel plated
17	<b>Spring</b>	Stainless steel spring wire	
18	<b>Piston seal</b>	NBR	
19	<b>Piston seal</b>	NBR	
20	<b>Piston seal</b>	NBR	
21	<b>Gasket</b>	NBR	

## Additional information

Catalogue

[MHC\\_EU.pdf](#)

Operation manuals

[OM\\_MHC2\\_OMG0120EN.pdf](#)

[OM\\_MHC2\\_OMG0048EN.pdf](#)