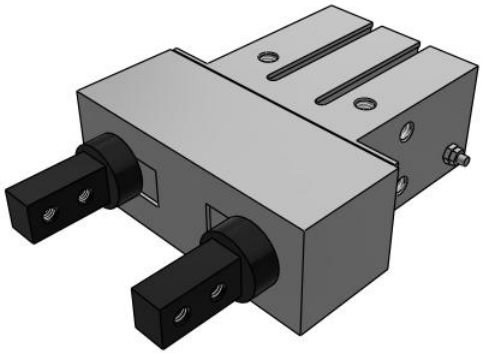
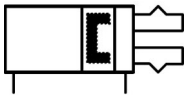


High Accuracy, Wedge Cam - MHK
MHKL2-20D1F

Datasheet

General series information

- Maximum gripping force per finger 86 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

Finger Stroke	L (Long Stroke)
Bore Size	20 mm
Action	D (Double Acting)
Finger Material	1 (Stainless Steel)
Dust Cover	F [Fluoro Rubber (FKM)]
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 ºC
Minimum ambient temperature	-10 ºC
Repeatability	± 0.01 mm
Lubrication	Not required
Effective holding force per finger, external (0.5 MPa)	45 N
Effective holding force per finger, internal (0.5 MPa)	53 N
Opening / closing stroke (both sides)	18 mm
Fluid	Air
Max. operating frequency	90 c.p.m

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Weight	0.310 Kg

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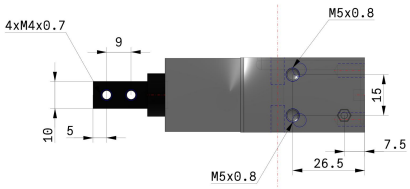
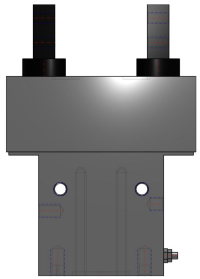
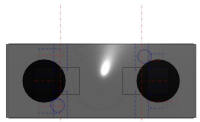
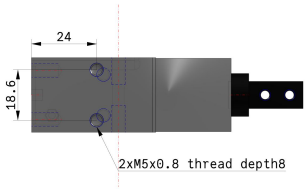
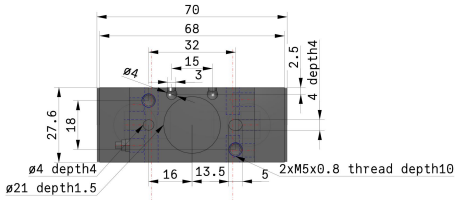
Dimensions

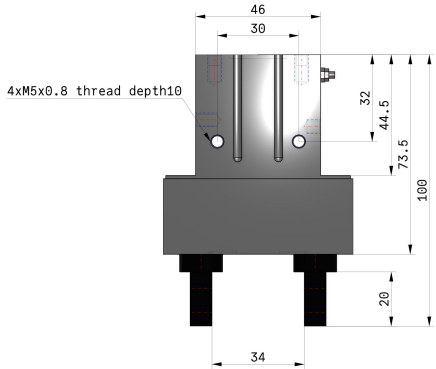












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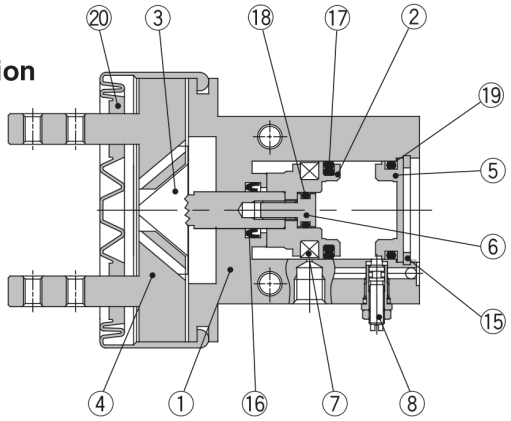
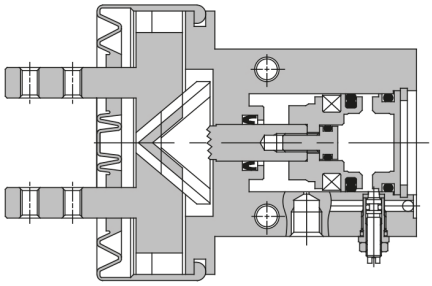
Constructions

Double acting

Open condition

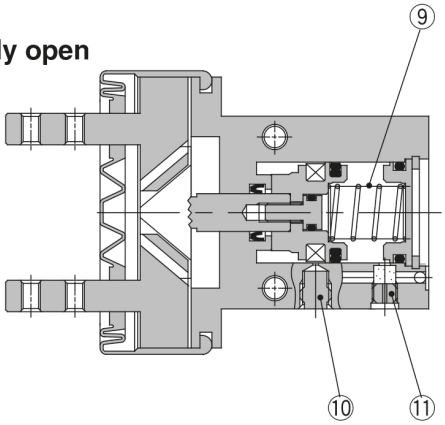


Closed condition

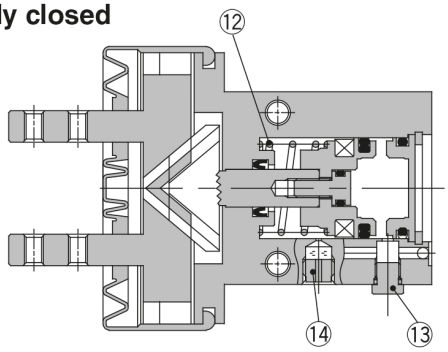


Single acting

Normally open



Normally closed



Component Parts

No.	Description	Material	Note
1	**Body**	Aluminium alloy	Hard anodised
2	**Piston**	Aluminium alloy	Hard anodised
3	**Cam**	Carbon steel	Heat treated, Specially treated
4	**Finger**	Carbon steel	Heat treated, Specially treated
		Stainless steel 304	Option
5	**Cap**	Aluminium alloy	Hard anodised
6	**Piston bolt**	Stainless steel	
7	**Rubber magnet**	Synthetic rubber	

No.	Description	Material	Note
8	**Needle assembly**		
9	**N.O. spring**	Piano wire	
10	**Plug**	Brass	Electroless nickel plated
11	**Exhaust plug**	Brass	Electroless nickel plated
12	**N.C. spring**	Piano wire	
13	**Plug assembly**	Brass	Electroless nickel plated
14	**Exhaust plug A**	Brass	Electroless nickel plated
15	**Type C retaining ring**	Carbon steel	Nickel plated

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Additional information

Catalogue	MHK2_EU.pdf
Operation manuals	OM_MHK2_OMF0058EN.pdf

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