

Magnet Gripper for Collaborative Robots

YASKAWA Electric Corporation
collaborative robots
MOTOMAN-HC10/HC10DT compliant



Magnet gripper
for the MOTOMAN-HC10

Magnet gripper
for the MOTOMAN-HC10DT



MHM-X7400A-HC10/HC10DT



More information
can be viewed here.

Magnet Gripper for Collaborative Robots

YASKAWA Electric Corporation
collaborative robots

MOTOMAN-HC10/HC10DT compliant

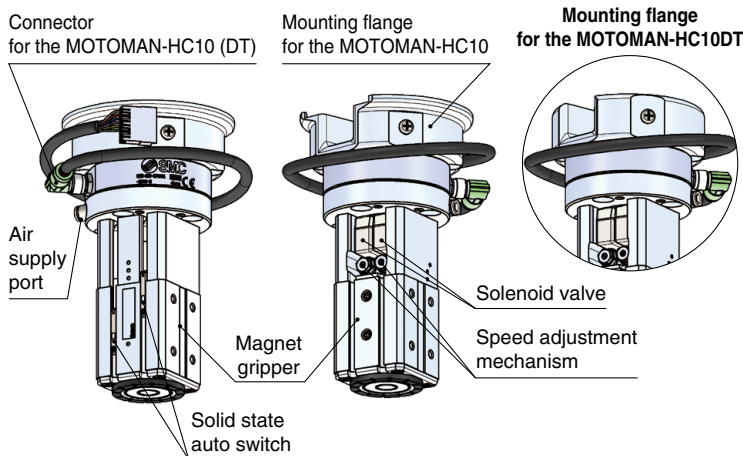


- **Attracts and holds heavy objects with a magnet**
- **Supports workpieces with holes and uneven surfaces**
- **Compact with high holding force**
- **Holding force: Max. 200 N** (ø25, Workpiece thickness 6 mm)
- **Continues to hold workpieces even when the air is shut off**
- **Operate by simply connecting 1 air supply tube and an electrical wiring connector.**
- **Integrated solenoid valve, auto switch, and piston speed adjustment mechanism**



Learn more about the
MHM series here.

Component Parts



Specifications

Fluid	Air	
Action	Double acting	
Operating pressure [MPa]	0.2 to 0.6	
Proof pressure [MPa]	0.9	
Ambient and fluid temperatures [°C]	-10 to 50 (No freezing)	
Holding force [N]	Workpiece thickness: 2 mm	160
	Workpiece thickness: 6 mm	200
Residual holding force [N]	0.3 or less	
Lubrication	Non-lube	
Weight [g]	800	
Auto switch model	D-M9N, D-M9P	
Connector type	Molex 51227-0800	

■ **Included parts:** Robot mounting flange, Conversion cable, Mounting bolt, Piping tube (ø4 x 2 m), Cable fixture

How to Order



RoHS

MHM-25D-X7400A-HC10-P

Compatible robot

HC10	MOTOMAN-HC10
HC10DT	MOTOMAN-HC10DT

* The supplied flange differs depending on the product number.

Auto switch output type

Symbol	Auto switch model	Output type
N	D-M9N	NPN
P	D-M9P	PNP

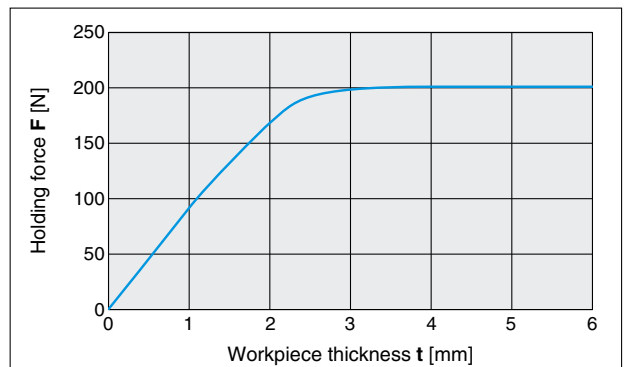
* It can be used with robot specifications with air piping.

Characteristics

Holding force

The holding force graph shows the theoretical value for low-carbon steel plates. Holding forces vary depending on the material and shape of the workpiece. Please perform a holding test while referring to the value selected based on the graph.

MHM-25



Dimensions

MHM-25D-X7400A-HC10-□
Magnet gripper for the MOTOMAN-HC10

Flange mounting bolt hole (4 locations)
For M6



MHM-25D-X7400A-HC10DT-□
Magnet gripper for the MOTOMAN-HC10DT



A detailed view of an SMC solenoid valve, showing the solenoid coil assembly at the top and the valve body below. The SMC logo and 'SOL 5' are visible on the top cap.



Magnet Gripper for Collaborative Robots

⚠ Safety Instructions Be sure to read the “Handling Precautions for SMC Products” (M-E03-3) and “Operation Manual” before use.

SMC Corporation

Akihabara UDX 15F,
4-14-1, Sotokanda, Chiyoda-ku, Tokyo 101-0021, JAPAN
Phone: 03-5207-8249 Fax: 03-5298-5362
<https://www.smcworld.com>
© 2021 SMC Corporation All Rights Reserved

Specifications are subject to change without prior notice
and any obligation on the part of the manufacturer.

D-G