



# 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.

P-E20-35

# Magnet Gripper for Collaborative Robots

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MOTOMAN-HC10/HC10DT compliant

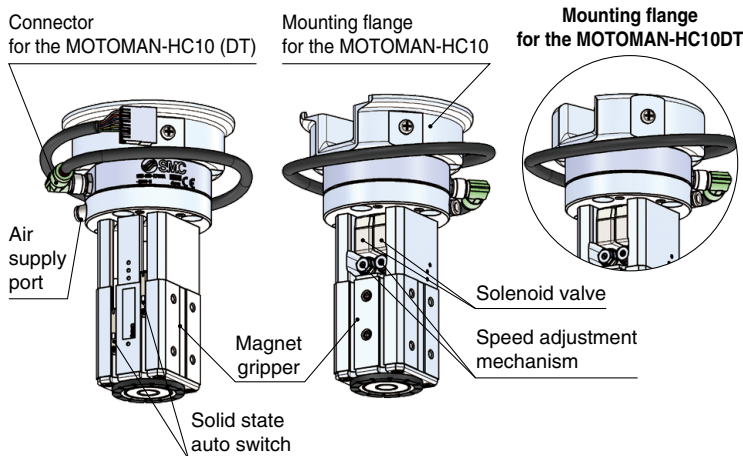


- Attracts and holds heavy objects with a magnet
- Supports workpieces with holes and uneven surfaces
- Compact with high holding force
  - | Holding force: Max. **200 N** ( $\phi 25$ , Workpiece thickness 6 mm)
- Continues to hold workpieces even when the air is shut off
- Operate by simply connecting 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 ( $\phi 4 \times 2$  m), Cable fixture

## How to Order



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

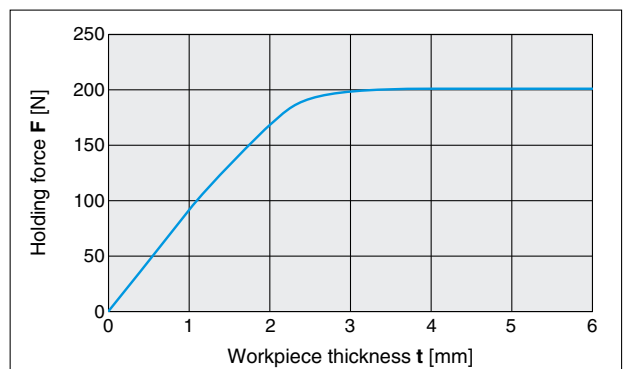
\* It can be used with robot specifications with air piping.

## Characteristics

### Holding force

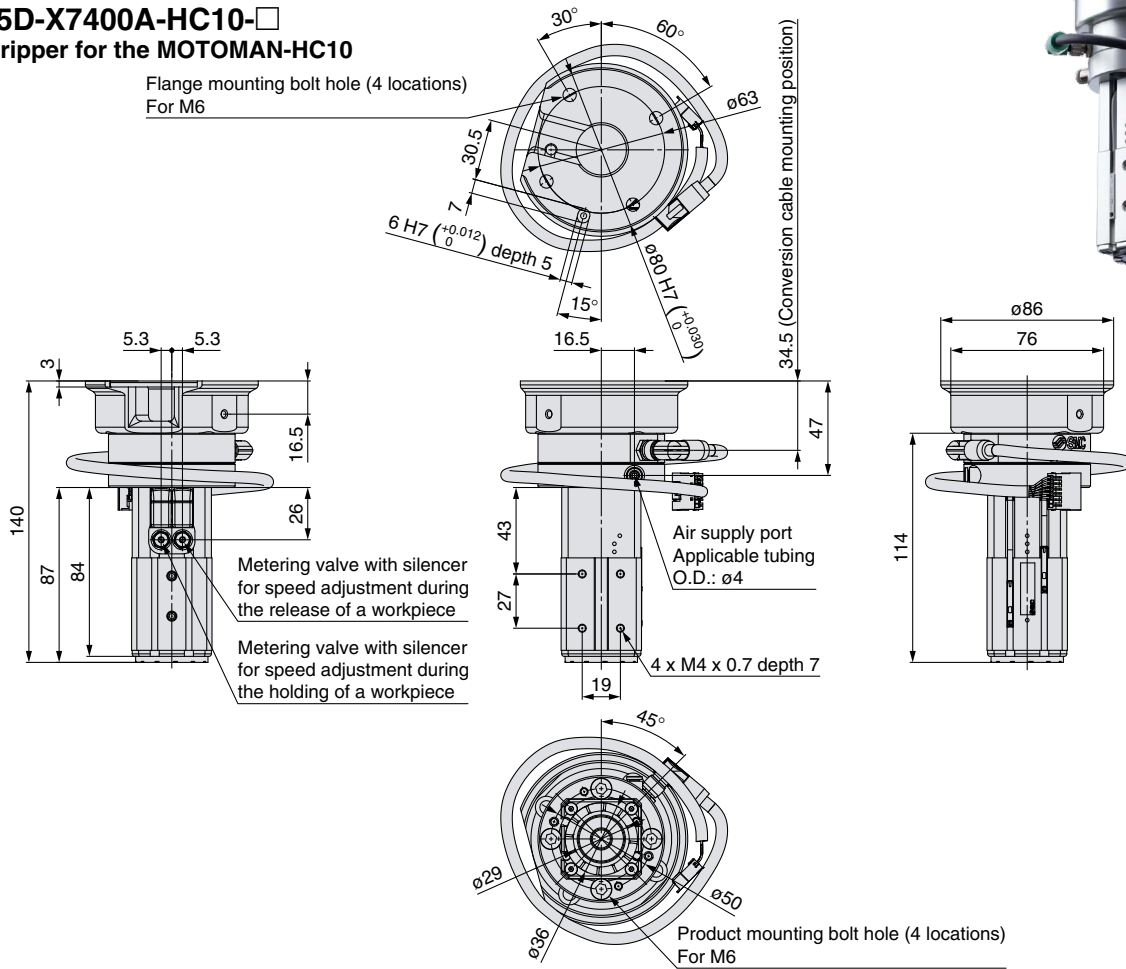
The holding force graph shows the theoretical value for low-carbon steel plates. Holding forces vary depending on the material and shape of the workpiece. Please perform a holding test while referring to the value selected based on the graph.

### MHM-25

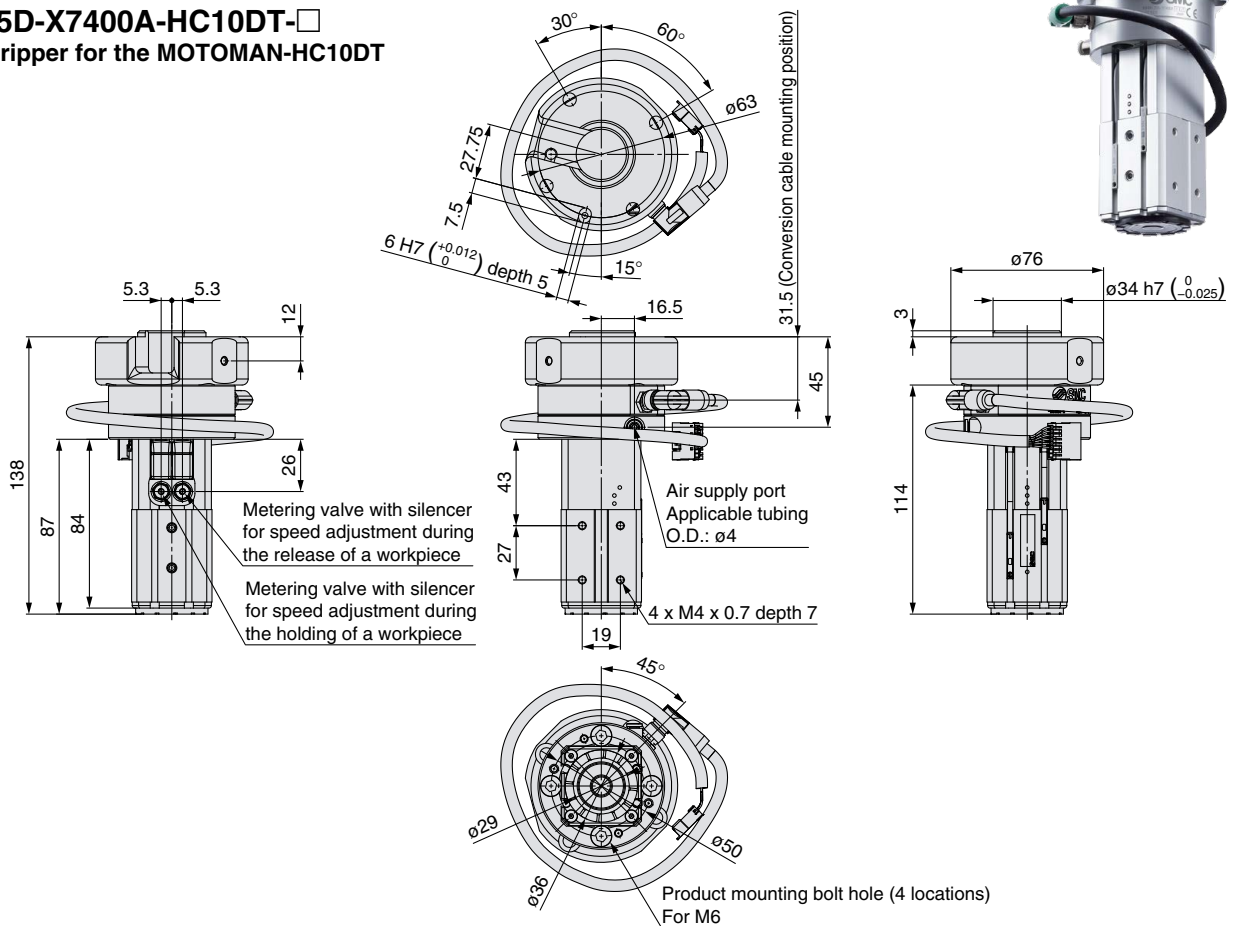


## Dimensions

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



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





## 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**