



Magnet Gripper for Collaborative Robots

Compliant with the UR (e) Series
UNIVERSAL ROBOTS
collaborative robot

Plug and Play
configuration for immediate use

URCap Easy programming



UNIVERSAL ROBOTS+
Certified



MHM-X7400A



More information
can be viewed here.

P-E20-34

Plug and Play

Magnet Gripper

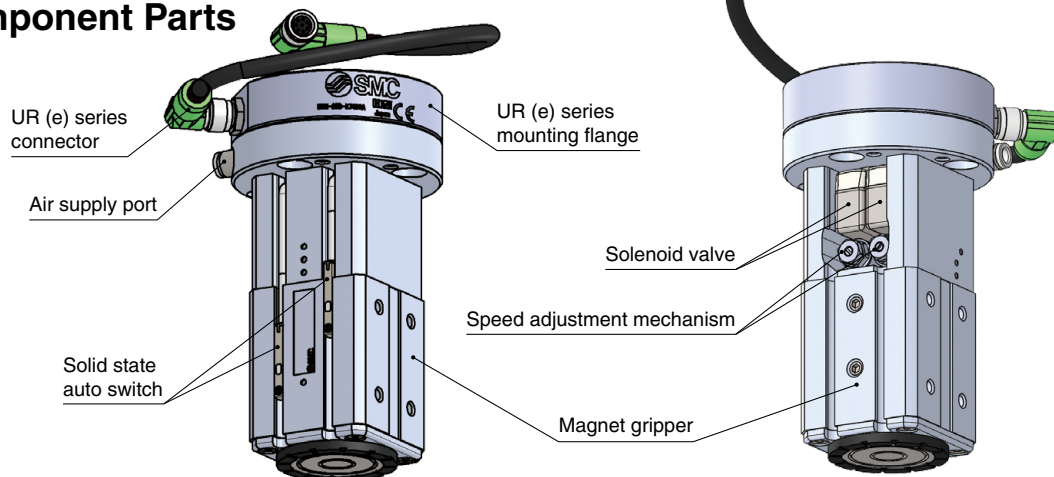
for Collaborative Robots

UNIVERSAL ROBOTS

UR3(e), UR5(e), UR10(e), UR16e 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 M8 connector.
- Integrated solenoid valve, auto switch, and piston speed adjustment mechanism
- URCap
- Component Parts



Learn more about the MHM series here.

How to Order



MHM-25D-X7400A

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]	590	
Standards	ISO 9409-1-50-4-M6	
Auto switch model	D-M9P	
Connector type	M8 8-pin connector (Socket)	

■ Included parts: Mounting bolt, Positioning pin, Piping tube ($\phi 4 \times 2$ m)

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.

A line graph showing the relationship between Workpiece thickness t [mm] (x-axis) and Holding force F [N] (y-axis). The x-axis ranges from 0 to 6 mm with major grid lines every 1 mm. The y-axis ranges from 0 to 250 N with major grid lines every 50 N. The curve starts at (0,0), rises steeply to approximately (1, 100), then more gradually to a plateau of about 200 N starting at $t \approx 3$ mm.

Workpiece thickness t [mm]	Holding force F [N]
0	0
1	100
2	170
3	200
4	205
5	205
6	205

[illegible]

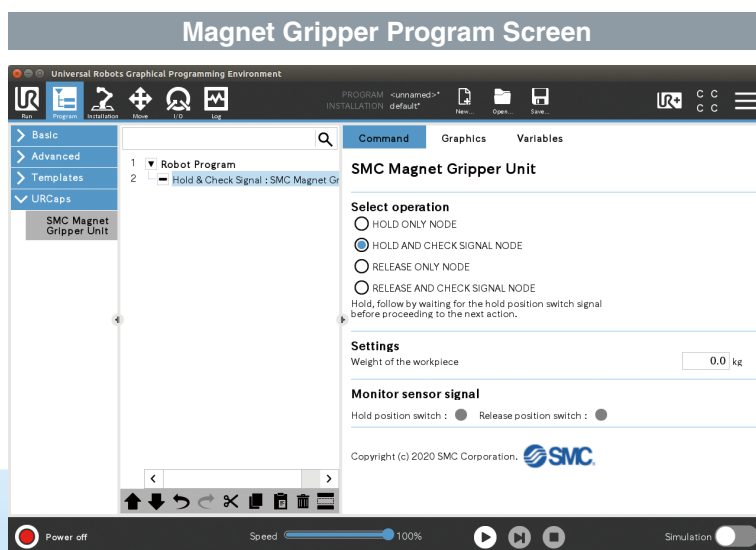
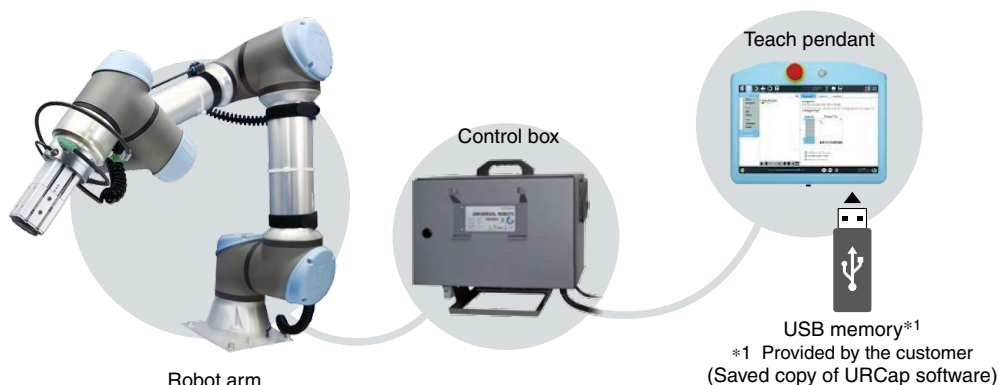


Easy programming

By using the dedicated software certified for Universal Robots, URCap, the teaching pendant can conduct various operations intuitively, allowing for sensor signals to be easily incorporated.

Save a copy of the URCap software to a USB memory and insert it into the teaching pendant to easily install the software.

* Please download the URCap software from the website, and save it to a USB memory.



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

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