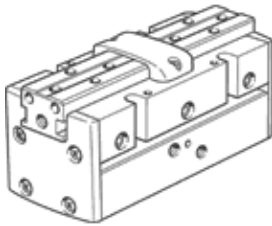


# Parallel gripper HGPP-12-A

Part number: 187867

**FESTO**

Precise, for position sensing via hall effect sensor or inductive sensors.



## Data sheet

Feature	values
Size	12
Stroke per gripper jaw	2.5 mm
Max. replacement accuracy	0.1 mm
Repetition accuracy, gripper	≤ 0.02 mm
Number of gripper fingers	2
Mode of operation	double-acting
Gripper function	Parallel
Design structure	Rack and pinion
Position detection	For Hall sensors For inductive sensors
Total force at 6 bar, opening	116 N
Total force at 6 bar, closing	116 N
Working pressure	2 ... 8 bar
Max. operating frequency of gripper	4 Hz
Min. opening time at 6 bar	27 ms
Min. closing time at 6 bar	40 ms
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Corrosion resistance classification CRC	2
Ambient temperature	5 ... 60 °C
Gripping force per gripper jaw at 6 bar, opening	58 N
Gripping force per gripper jaw at 6 bar, closing	58 N
Max. force on gripper jaw Fz static	70 N
Max. torque at gripper Mx static	3 Nm
Max. torque at gripper My static	3 Nm
Max. torque at gripper Mz static	3 Nm
Max. ground per external gripper finger	100 g
Product weight	172 g
Mounting type	with internal (female) thread
Pneumatic connection	M3
Materials note	Free of copper and PTFE
Materials information for cover cap	POM
Materials information, housing	Wrought Aluminum alloy Hard anodized
Materials information for gripper jaws	Wrought Aluminum alloy Nickel plated