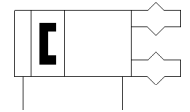
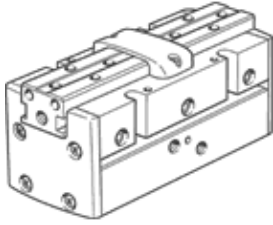


# Parallel gripper HGPP-16-A

Part number: 187870

FESTO

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



## Data sheet

Feature	Value
Size	16
Stroke per gripper jaw	5 mm
Max. replacement accuracy	0.1 mm
Repetition accuracy, gripper	≤ 0.02 mm
Number of gripper fingers	2
Drive system	pneumatic
Mode of operation	double-acting
Gripper function	Parallel
Gripper force back-up	No
Design structure	Rack and pinion
Position detection	For Hall sensors For inductive sensors
Total gripping force at 0.6 MPa (6 bar, 87 psi), opening	204 N
Total gripping force at 0.6 MPa (6 bar, 87 psi), closing	204 N
Working pressure	2 ... 8 bar
Max. operating frequency of gripper	4 Hz
Min. opening time at 0.6 MPa (6 bar, 87 psi)	40 ms
Min. closing time at 0.6 MPa (6 bar, 87 psi)	53 ms
Max. mass per external gripper finger	150 g
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 - Moderate corrosion stress
PWIS conformity	VDMA24364-B2-L
Ambient temperature	5 ... 60 °C
Gripping force per gripper jaw at 0.6 MPa (6 bar, 87 psi) opening	102 N
Gripping force per gripper jaw at 0.6 MPa (6 bar, 87 psi) closing	102 N
Max. force on gripper jaw Fz static	130 N
Max. torque at gripper Mx static	7 Nm
Max. torque at gripper My static	7 Nm
Max. torque at gripper Mz static	7 Nm
Product weight	315 g
Mounting type	with internal (female) thread
Pneumatic connection	M5
Materials note	Conforms to RoHS
Material cover cap	POM
Material housing	Hard anodised wrought aluminium alloy
Material gripper jaws	Wrought aluminium alloy, nickel-plated