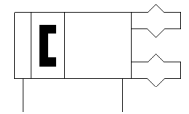
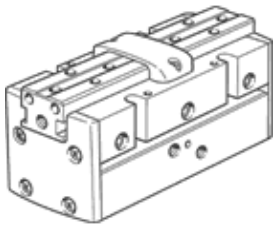


parallel gripper HGPP-16-A

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
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	204 N
Total force at 6 bar, closing	204 N
Operating pressure	2 ... 8 bar
Max. operating frequency of gripper	4 Hz
Min. opening time at 6 bar	40 ms
Min. closing time at 6 bar	53 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 - Moderate corrosion stress
Ambient temperature	5 ... 60 °C
Gripping force per gripper jaw at 6 bar, opening	102 N
Gripping force per gripper jaw at 6 bar, 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
Max. mass per external gripper finger	150 g
Product weight	315 g
Mounting type	with internal (female) thread
Pneumatic connection	M5
Materials note	Free of copper and PTFE
Material cover cap	POM
Material housing	Wrought Aluminium alloy Hard anodised
Material gripper jaws	Wrought Aluminium alloy Nickel plated