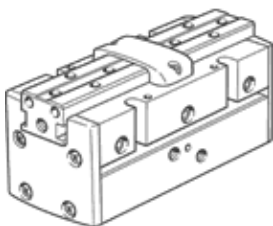


Parallel gripper HGPP-20-A

Part number: 187873

FESTO

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



Data sheet

Feature	values
Size	20
Stroke per gripper jaw	7.5 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	340 N
Total force at 6 bar, closing	340 N
Working pressure	2 ... 8 bar
Max. operating frequency of gripper	4 Hz
Min. opening time at 6 bar	44 ms
Min. closing time at 6 bar	59 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	170 N
Gripping force per gripper jaw at 6 bar, closing	170 N
Max. force on gripper jaw Fz static	220 N
Max. torque at gripper Mx static	14 Nm
Max. torque at gripper My static	14 Nm
Max. torque at gripper Mz static	14 Nm
Max. ground per external gripper finger	200 g
Product weight	604 g
Mounting type	with internal (female) thread
Pneumatic connection	M5
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