

parallel gripper HGPP-20-A-G1

Part number: 187874

FESTO

Precise, for position sensing via hall effect sensor or inductive sensors.
With gripping force retention when opening ...-G1.



Data sheet

Feature	Value
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
Gripper force back-up	On opening
Design structure	Rack and pinion
Position detection	For Hall sensors For inductive sensors
Operating pressure	5 ... 8 bar
Max. operating frequency of gripper	4 Hz
Min. opening time at 6 bar	45 ms
Min. closing time at 6 bar	92 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
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. mass per external gripper finger	200 g
Product weight	611 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