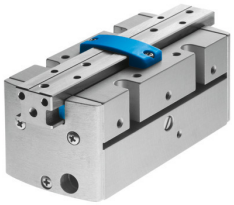
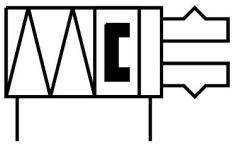
Parallel gripper
HGPP-16-A-G1

Part number: 187871





Data sheet

Feature	Value
Size	16
Stroke per gripper jaws	5 mm
Max. replacement accuracy	0.1 mm
Max. angular gripper jaw backlash ax, ay	0 deg
Max. gripper jaw backlash Sz	0 mm
Rotationally symmetrical	0.05 mm
Repetition accuracy, gripper	0.02 mm
Number of gripper jaws	2
Drive system	Pneumatic
Mode of operation	Double-acting
Gripper function	Parallel
Gripper force back-up	During opening
Design	Rack and pinion
Position detection	Via Hall sensor Via inductive sensors
Operating pressure	5 bar...8 bar
Max. operating frequency of gripper	4 Hz
Min. opening time at 0.6 MPa (6 bar, 87 psi)	34 ms
Min. closing time at 0.6 MPa (6 bar, 87 psi)	70 ms
Max. mass per external gripper finger	150 g
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Ambient temperature	5 °C...60 °C
Mass moment of inertia	2.58 kgcm²
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	316 g

Feature	Value
Type of mounting	Via female thread
Pneumatic connection	M5
Note on materials	RoHS-compliant
Material cover cap	POM
Material housing	Hard anodised wrought aluminium alloy
Material gripper jaws	Wrought aluminium alloy, nickel-plated