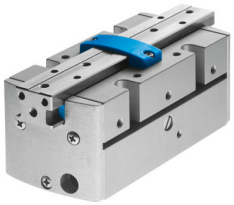
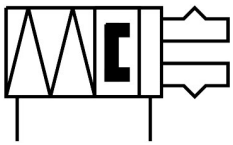
Parallel gripper
HGPP-12-A-G1

Part number: 187868





Data sheet

Feature	Value
Size	12
Stroke per gripper jaw	2.5 mm
Max. interchangeability	0.1 mm
Max. gripper jaw angular play ax, ay	0 deg
Max. gripper jaw backlash Sz	0 mm
Rotational symmetry	0.05 mm
Pneumatic gripper repetition accuracy	0.02 mm
Number of gripper jaws	2
Actuator system	Pneumatic
Mode of operation	Double-acting
Gripper function	Parallel
Gripping force backup	On opening
Structural design	Gear rack/pinion
Position sensing	For Hall sensor For inductive sensors
Operating pressure	5 bar...8 bar
Max. operating frequency of pneumatic gripper	4 Hz
Min. opening time at 6 bar	30 ms
Min. closing time at 6 bar	70 ms
Max. mass per external gripper finger	100 g
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Ambient temperature	5 °C...60 °C
Mass moment of inertia	0.76 kgcm²
Maximum force on gripper jaw Fz, static	70 N
Maximum torque on gripper jaw, Mx static	3 Nm
Maximum torque on gripper jaw, My static	3 Nm
Maximum torque on gripper jaw, Mz static	3 Nm
Product weight	173 g
Type of mounting	With internal thread

Feature	Value
Pneumatic connection	M3
Note on materials	RoHS compliant
Cover cap material	POM
Housing material	Wrought aluminum alloy, hard-anodized
Gripper jaw material	Wrought aluminum alloy, nickel-plated