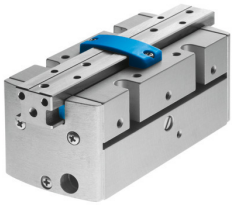
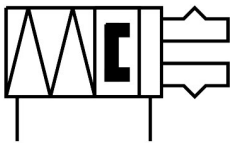
Parallel gripper
HGPP-25-A-G1

Part number: 525662





Data sheet

Feature	Value
Size	25
Stroke per gripper jaw	10 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	58 ms
Min. closing time at 6 bar	164 ms
Max. mass per external gripper finger	250 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	17.45 kgcm²
Maximum force on gripper jaw Fz, static	380 N
Maximum torque on gripper jaw, Mx static	21 Nm
Maximum torque on gripper jaw, My static	21 Nm
Maximum torque on gripper jaw, Mz static	21 Nm
Product weight	910 g
Type of mounting	With internal thread

Feature	Value
Pneumatic connection	M5
Note on materials	RoHS compliant
Cover cap material	POM
Housing material	Wrought aluminum alloy, hard-anodized
Gripper jaw material	Wrought aluminum alloy, nickel-plated