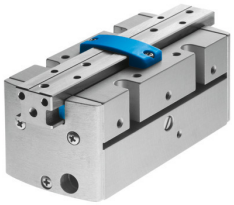
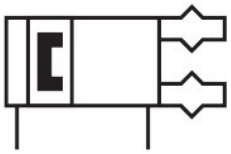
Parallel gripper
HGPP-25-A

Part number: 525661





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	None
Structural design	Gear rack/pinion
Position sensing	For Hall sensor For inductive sensors
Operating pressure	2 bar...8 bar
Max. operating frequency of pneumatic gripper	4 Hz
Min. opening time at 6 bar	64 ms
Min. closing time at 6 bar	92 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
Gripping force per gripper jaw at 6 bar, opening	500 N 250 N
Gripping force per gripper jaw at 6 bar, closing	500 N 250 N
Mass moment of inertia	16.68 kgcm²
Maximum force on gripper jaw Fz, static	380 N
Maximum torque on gripper jaw, Mx static	21 Nm

Feature	Value
Maximum torque on gripper jaw, My static	21 Nm
Maximum torque on gripper jaw, Mz static	21 Nm
Product weight	884 g
Type of mounting	With internal thread
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