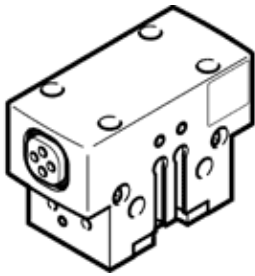


Parallel gripper HGPD-16-A

Part number: 1132936

FESTO



Data sheet

Feature	Value
Size	16
Stroke per gripper jaw	3 mm
Max. replacement accuracy	≤ 0.2 mm
Max. angular gripper jaw backlash ax,ay	≤ 0.1 deg
Max. gripper jaw backlash Sz	≤ 0.02 mm
Rotationally symmetrical	≤ 0.2 mm
Repetition accuracy, gripper	≤ 0.03 mm
Number of gripper fingers	2
Drive system	pneumatic
Assembly position	Any
Mode of operation	double-acting
Gripper function	Parallel
Gripper force back-up	No
Design structure	Inclined plane guided motion sequence
Position detection	For proximity sensor
Total gripping force at 0.6 MPa (6 bar, 87 psi), opening	107 N
Total gripping force at 0.6 MPa (6 bar, 87 psi), closing	94 N
Working pressure	3 ... 8 bar
Working pressure, sealing air	0 ... 0.5 bar
Max. operating frequency of gripper	≤ 3 Hz
Min. opening time at 0.6 MPa (6 bar, 87 psi)	15 ms
Min. closing time at 0.6 MPa (6 bar, 87 psi)	17 ms
Max. mass per external gripper finger	25 g
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
PWIS conformity	VDMA24364-B2-L
RSBP classification to CD-0033	F5
Protection class	IP65
Ambient temperature	5 ... 60 °C
Gripping force per gripper jaw at 0.6 MPa (6 bar, 87 psi) opening	54 N
Gripping force per gripper jaw at 0.6 MPa (6 bar, 87 psi) closing	47 N
Mass moment of inertia	0.22 kgcm ²
Max. force on gripper jaw Fz static	150 N
Max. torque at gripper Mx static	8 Nm
Max. torque at gripper My static	4 Nm
Max. torque at gripper Mz static	3 Nm
Lubrication interval for guide components	5,000,000 Mio SP
Product weight	100 g
Mounting type	Internal thread and centering sleeve With through-hole and centering sleeve With through-hole and dowel pin With internal thread and dowel pin Optional

Feature	Value
Pneumatic connection, sealing air	M3
Pneumatic connection	M5
Materials note	Conforms to RoHS
Material cover cap	High alloy steel, non-corrosive
Material housing	Anodised aluminium
Material gripper jaws	Steel, hardened