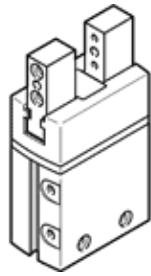


Parallel gripper DHPS-20-A-NC

Part number: 1254048

FESTO



Data sheet

Feature	values
Size	20
Stroke per gripper jaw	6.5 mm
Max. replacement accuracy	≤ 0.2 mm
Max. angular gripper jaw backlash a_x, a_y	< 0.5 deg
Max. gripper jaw backlash S_z	< 0.02 mm
Rotationally symmetrical	≤ 0.2 mm
Repetition accuracy, gripper	< 0.02 mm
Number of gripper fingers	2
Assembly position	Any
Mode of operation	double-acting
Gripper function	Parallel
Gripper force back-up	On closing
Design structure	Lever guided motion sequence
Guide	Plain-bearing guide
Position detection	For proximity sensor
Working pressure	4 ... 8 bar
Max. operating frequency of gripper	3 Hz
Min. opening time at 6 bar	72 ms
Min. closing time at 6 bar	62 ms
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	1
Ambient temperature	5 ... 60 °C
Mass moment of inertia	1.494 kgcm ²
Max. force on gripper jaw F_z static	250 N
Max. torque at gripper M_x static	14 Nm
Max. torque at gripper M_y static	14 Nm
Max. torque at gripper M_z static	14 Nm
Lubrication interval for guide components	10 Mio SP
Max. ground per external gripper finger	250 g
Product weight	387 g
Mounting type	Optional Internal thread and centering sleeve With through-hole and centering sleeve
Pneumatic connection	M5
Materials note	Conforms to RoHS
Materials information for cover cap	PA
Materials information, housing	Wrought Aluminum alloy Hard anodized
Materials information for gripper jaws	High alloy steel, non-corrosive