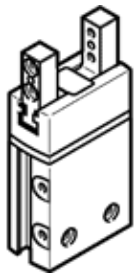


# parallel gripper DHPS-10-A

Part number: 1254040

FESTO



## Data sheet

Feature	Value
Size	10
Stroke per gripper jaw	3 mm
Max. replacement accuracy	$\leq 0.2$ mm
Max. angular gripper jaw backlash ax,ay	$< 0.5$ deg
Max. gripper jaw backlash Sz	$< 0.02$ mm
Rotationally symmetrical	$\leq 0.2$ mm
Repetition accuracy, gripper	$< 0.02$ mm
Number of gripper fingers	2
Assembly position	Any
Mode of operation	double-acting
Gripper function	Parallel
Design structure	Lever guided motion sequence
Guide	Plain-bearing guide
Position detection	For proximity sensor
Total force at 6 bar, opening	80 N
Total force at 6 bar, closing	70 N
Operating pressure	2 ... 8 bar
Max. operating frequency of gripper	4 Hz
Min. opening time at 6 bar	21 ms
Min. closing time at 6 bar	28 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 - Low corrosion stress
Ambient temperature	5 ... 60 °C
Gripping force per gripper jaw at 6 bar, opening	39 N
Gripping force per gripper jaw at 6 bar, closing	34.5 N
Mass moment of inertia	0.079 kgcm <sup>2</sup>
Max. force on gripper jaw Fz static	60 N
Max. torque at gripper Mx static	3 Nm
Max. torque at gripper My static	3 Nm
Max. torque at gripper Mz static	3 Nm
Lubrication interval for guide components	10 Mio SP
Max. ground per external gripper finger	60 g
Product weight	67 g
Mounting type	Optional Internal thread and centring sleeve With through-hole and centring sleeve
Pneumatic connection	M3
Materials note	Conforms to RoHS
Material cover cap	PA
Material housing	Wrought Aluminium alloy Hard anodised
Material gripper jaws	High alloy steel, non-corrosive