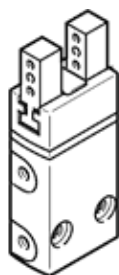


# parallel gripper DHPS-6-A

Part number: 1254039

FESTO



## Data sheet

Feature	Value
Size	6
Stroke per gripper jaw	2 mm
Max. replacement accuracy	$\leq 0.2$ mm
Max. angular gripper jaw backlash ax,ay	$< 1$ 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 Hall sensors
Total force at 6 bar, opening	30 N
Total force at 6 bar, closing	25 N
Operating pressure	2 ... 8 bar
Max. operating frequency of gripper	4 Hz
Min. opening time at 6 bar	8 ms
Min. closing time at 6 bar	17 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	15 N
Gripping force per gripper jaw at 6 bar, closing	13.5 N
Mass moment of inertia	0.008 kgcm <sup>2</sup>
Max. force on gripper jaw Fz static	10 N
Max. torque at gripper Mx static	0.5 Nm
Max. torque at gripper My static	0.5 Nm
Max. torque at gripper Mz static	0.5 Nm
Lubrication interval for guide components	10 Mio SP
Max. mass per external gripper finger	10 g
Product weight	19 g
Mounting type	Internal thread and centring sleeve With through-hole and centring sleeve Optional
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