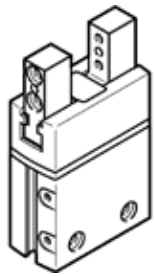


# parallel gripper DHPS-16-A

Part number: 1254043

FESTO



## Data sheet

Feature	Value
Size	16
Stroke per gripper jaw	5 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	210 N
Total force at 6 bar, closing	190 N
Operating pressure	2 ... 8 bar
Max. operating frequency of gripper	3 Hz
Min. opening time at 6 bar	33 ms
Min. closing time at 6 bar	41 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	105 N
Gripping force per gripper jaw at 6 bar, closing	96 N
Mass moment of inertia	0.465 kgcm <sup>2</sup>
Max. force on gripper jaw Fz static	150 N
Max. torque at gripper Mx static	8 Nm
Max. torque at gripper My static	8 Nm
Max. torque at gripper Mz static	8 Nm
Lubrication interval for guide components	10 Mio SP
Max. ground per external gripper finger	150 g
Product weight	184 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