

# Parallel gripper DHPC-40-A-S

Part number: 8116894

FESTO



## Data sheet

Feature	Value
Size	40
Stroke per gripper jaw	15 mm
Max. replacement accuracy	0.2 mm
Max. angular gripper jaw backlash ax,ay	0 deg
Max. gripper jaw backlash Sz	0 mm
Rotationally symmetrical	≤ 0.2 mm
Repetition accuracy, gripper	≤ 0.02 mm
Number of gripper fingers	2
Drive system	pneumatic
Assembly position	Any
Mode of operation	double-acting
Gripper function	Parallel
Gripper force back-up	On opening
Design structure	Connection direction at side Lever Standard mounting of gripper fingers guided motion sequence
Guide	Ball guide
Position detection	For proximity sensor
Total gripping force at 0.6 MPa (6 bar, 87 psi), opening	777.2 N
Total gripping force at 0.6 MPa (6 bar, 87 psi), closing	717.2 N
Operating pressure MPa	0.1 ... 0.8 MPa
Working pressure	1 ... 8 bar
Operating pressure	14.5 ... 116 psi
Max. operating frequency of gripper	1 Hz
Min. opening time at 0.6 MPa (6 bar, 87 psi)	158 ms
Min. closing time at 0.6 MPa (6 bar, 87 psi)	153 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	0 - No corrosion stress
PWIS conformity	VDMA24364-B2-L
Ambient temperature	-10 ... 60 °C
Gripping force per gripper jaw at 0.6 MPa (6 bar, 87 psi) opening	388.6 N
Gripping force per gripper jaw at 0.6 MPa (6 bar, 87 psi) closing	358.6 N
Mass moment of inertia	14.87 kgcm <sup>2</sup>
Max. force on gripper jaw Fz static	245 N
Max. torque at gripper Mx static	2.3 Nm
Max. torque at gripper My static	4.5 Nm
Max. torque at gripper Mz static	2.3 Nm
Product weight	1,369 g
Mounting type	Direct mounting via through-holes Direct mounting via threads On mounting frame With through-hole and dowel pin With internal thread and dowel pin

<b>Feature</b>	<b>Value</b>
	Optional
Pneumatic connection	M5
Materials note	Conforms to RoHS
Material housing	Anodised aluminium
Material gripper jaws	High alloy steel, non-corrosive