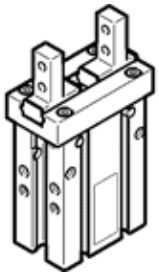
parallel gripper
DHPC-32-A-NO-S

Part number: 8116887

FESTO



Data sheet

Feature	Value
Size	32
Stroke per gripper jaw	11 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	single-acting open
Gripper function	Parallel
Gripper force back-up	On opening
Design structure	Connection direction on the 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), closing	415.2 N
Operating pressure MPa	0.25 ... 0.8 MPa
Operating pressure	2.5 ... 8 bar 36.25 ... 116 psi
Max. operating frequency of gripper	1 Hz
Min. opening time at 0.6 MPa (6 bar, 87 psi)	174 ms
Min. closing time at 0.6 MPa (6 bar, 87 psi)	76 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) closing	207.6 N
Mass moment of inertia	5.76 kgcm2
Max. force on gripper jaw Fz static	171.5 N
Max. torque at gripper Mx static	1.5 Nm
Max. torque at gripper My static	3 Nm
Max. torque at gripper Mz static	1.5 Nm
Product weight	831 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 Optional
Pneumatic connection	M5
Materials note	Conforms to RoHS
Material housing	Anodised aluminium
Material gripper jaws	High alloy steel, non-corrosive