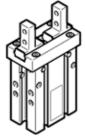
## parallel gripper DHPC-20-A-NO-S-1 Part number: 8116824







## **Data sheet**

Feature	Value
Size	20
Stroke per gripper jaw	5 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
	Sideways 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	139.4 N
Operating pressure MPa	0.25 0.8 MPa
	2.5 8 bar
Operating pressure	36.25 116 psi
May apprating fraguency of gripper	3 Hz
Max. operating frequency of gripper  Min. opening time at 0.6 MPa (6 bar, 87 psi)	75 ms
Min. closing time at 0.6 MPa (6 bar, 87 psi)	29 ms
Operating medium	
Note on operating and pilot medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Lubricated operation possible (subsequently required for further
Note on operating and phot medium	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	69.7 N
Mass moment of inertia	0.515 kgcm2
Max. force on gripper jaw Fz static	73.5 N
Max. torque at gripper Mx static	0.66 Nm
Max. torque at gripper My static	1.33 Nm
Max. torque at gripper Mz static	0.66 Nm
Product weight	224 g
Mounting type	Direct mounting via through-holes
	Direct mounting via threads
	On mounting frame
	With through-hole and dowel pin
	With through note and dowel pin
	Optional
Pneumatic connection	M5
Materials note	Conforms to RoHS
Material housing	Anodised aluminium
Material gripper jaws	High alloy steel, non-corrosive