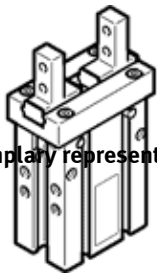


# parallel gripper DHPC-...-20-A-

Part number: 8116731

FESTO



Exemplary representation

## Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Size	20
Stroke per gripper jaw	5 ... 9 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 single-acting open closed
Gripper function	Parallel
Gripper force back-up	No
Design structure	Connection via mounting spigot Connection direction on the side Connection direction underneath Flat mounting of gripper fingers Lever Sideways mounting of gripper fingers Standard mounting of gripper fingers guided motion sequence
Guide	Ball guide
Position detection	For proximity sensor
Variants	Recommended for production facilities for the manufacture of lithium-ion batteries
Total gripping force at 0.6 MPa (6 bar, 87 psi), opening	170.9 ... 192.6 N
Total gripping force at 0.6 MPa (6 bar, 87 psi), closing	139.4 ... 159.5 N
Operating pressure MPa	0.1 ... 0.8 MPa
Operating pressure	1 ... 8 bar 14.5 ... 116 psi
Max. operating frequency of gripper	3 Hz
Min. opening time at 0.6 MPa (6 bar, 87 psi)	62 ... 176 ms
Min. closing time at 0.6 MPa (6 bar, 87 psi)	29 ... 75 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	85.5 ... 96.3 N
Gripping force per gripper jaw at 0.6 MPa (6 bar, 87 psi) closing	69.7 ... 79.8 N

Feature	Value
Mass moment of inertia	0.515 ... 0.828 kgcm <sup>2</sup>
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 ... 306 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