

Radial gripper DHRC-16-A-S-NO

Part number: 8128721

FESTO



 [General operating condition](#)

Data sheet

Feature	Value
Size	16
Max. replacement accuracy	≤0.2 mm
Max. opening angle	180 deg
Rotationally symmetrical	≤0.2 mm
Repetition accuracy, gripper	≤0.1 mm
Number of gripper jaws	2
Drive system	Pneumatic
Mounting position	optional
Mode of operation	Single-acting Open
Gripper function	Radial
Gripper force back-up	During opening
Design	Connection direction at side Force pilot operated motion sequence
Position detection	Via proximity switch
Symbol	00997349
Operating pressure	0.2 MPa ... 0.8 MPa
Operating pressure	2 bar ... 8 bar
Operating pressure	29 psi ... 116 psi
Max. operating frequency of gripper	≤2 Hz
Min. opening time at 0.6 MPa (6 bar, 87 psi)	42 ms
Min. closing time at 0.6 MPa (6 bar, 87 psi)	21 ms
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Corrosion resistance class CRC	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Suitability for the production of Li-ion batteries	Suitable for battery production with reduced Cu/Zn/Ni values (F1a)
Ambient temperature	-10 °C ... 60 °C
Total gripper torque, closing, 0.6 MPa (6 bar, 87 psi)	50.3 Ncm
Mass moment of inertia	0.134 kgcm ²
Max. force on gripper jaw Fz static	60 N
Max. torque at gripper Mx static	2 Nm
Max. torque at gripper My static	1 Nm
Max. torque at gripper Mz static	2 Nm
Product weight	112.5 g

Feature	Value
Type of mounting	Either: Direct mounting via through-hole Direct mounting via thread Via through-hole and dowel pin Via female thread and dowel pin
Pneumatic connection	M3
Note on materials	RoHS-compliant
Material cover cap	Wrought aluminium alloy, anodised
Material housing	Anodised wrought aluminium alloy
Material gripper jaws	High-alloy steel