

# Radial gripper DHRS-16-A-NC

Part number: 1310161

FESTO



## 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
Mounting position	optional
Mode of operation	Double-acting
Gripper function	Radial
Gripper force back-up	During closing
Design	Force pilot operated motion sequence
Position detection	Via proximity switch
Operating pressure	4 bar...8 bar
Max. operating frequency of gripper	4 Hz
Min. opening time at 0.6 MPa (6 bar, 87 psi)	75 ms
Min. closing time at 0.6 MPa (6 bar, 87 psi)	43 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	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Suitability for the production of Li-ion batteries	Metals with more than 5% by mass of copper are excluded from use. Exceptions are printed circuit boards, cables, electrical plug connectors and coils
Ambient temperature	5 °C...60 °C
Mass moment of inertia	0.15 kgcm <sup>2</sup>
Max. force on gripper jaw Fz static	40 N
Max. torque at gripper Mx static	1.3 Nm
Max. torque at gripper My static	1.3 Nm
Max. torque at gripper Mz static	1.3 Nm
Product weight	118 g

Feature	Value
Type of mounting	Via female thread and centring sleeve Via through-hole and centring sleeve Either:
Pneumatic connection	M3
Note on materials	RoHS-compliant
Material cover cap	PA
Material housing	Hard anodised wrought aluminium alloy
Material gripper jaws	High-alloy steel