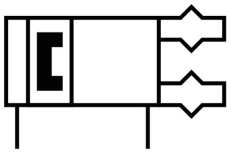
Radial gripper
DHRS-16-A

Part number: 1310160



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
Mounting position	optional
Mode of operation	Double-acting
Gripper function	Radial
Design	Force pilot operated motion sequence
Position detection	Via proximity switch
Symbol	00991894
Operating pressure	2 bar ... 8 bar
Max. operating frequency of gripper	≤4 Hz
Min. opening time at 0.6 MPa (6 bar, 87 psi)	61 ms
Min. closing time at 0.6 MPa (6 bar, 87 psi)	63 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% copper by mass are excluded from use. Exceptions are printed circuit boards, cables, electrical plug connectors and coils
Ambient temperature	5 °C ... 60 °C
Total gripping torque at 0.6 MPa (6 bar, 87 psi), opening	62 Ncm
Total gripper torque, closing, 0.6 MPa (6 bar, 87 psi)	55 Ncm
Mass moment of inertia	0.14 kgcm²
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	114 g
Type of mounting	Either: Via female thread and centring sleeve Via through-hole and centring sleeve

Feature	Value
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