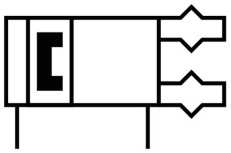
Radial gripper
DHRS-32-A

Part number: 1310164



General operating condition

Data sheet

Feature	Value
Size	32
Max. interchangeability	≤0.2 mm
Max. opening angle	180 deg
Rotational symmetry	≤0.2 mm
Pneumatic gripper repetition accuracy	≤0.1 mm
Number of gripper jaws	2
Mounting position	Any
Mode of operation	Double-acting
Gripper function	Radial
Structural design	Positively driven motion sequence
Position sensing	For proximity sensor
Symbol	00991894
Operating pressure	2 bar ... 8 bar
Max. operating frequency of pneumatic gripper	≤3 Hz
Min. opening time at 6 bar	111 ms
Min. closing time at 6 bar	119 ms
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
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. Exception are printed circuit boards, cables, electrical connectors and coils
Ambient temperature	5 °C ... 60 °C
Total gripping torque at 0.6 MPa (6 bar, 87 psi), opening	423 Ncm
Total gripping torque at 6 bar, closing	390 Ncm
Mass moment of inertia	1.66 kgcm²
Maximum force on gripper jaw Fz, static	120 N
Maximum torque on gripper jaw, Mx static	6.2 Nm
Maximum torque on gripper jaw, My static	6.2 Nm
Maximum torque on gripper jaw, Mz static	6.2 Nm
Product weight	480 g
Type of mounting	Optionally: With internal thread and centering sleeve Via through-hole and centering sleeve
Pneumatic connection	G1/8

Feature	Value
Note on materials	RoHS-compliant
Cover cap material	PA
Housing material	Wrought aluminum alloy, hard-anodized
Gripper jaw material	High-alloy steel