

Radial gripper DHRS-10-A

Part number: 1310159

FESTO



Data sheet

Feature	Value
Size	10
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 Hall sensor
Operating pressure	2 bar...8 bar
Max. operating frequency of pneumatic gripper	4 Hz
Min. opening time at 6 bar	35 ms
Min. closing time at 6 bar	91 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. This excludes 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	21 Ncm
Total gripping torque at 6 bar, closing	15 Ncm
Mass moment of inertia	0.03 kgcm ²
Maximum force on gripper jaw Fz, static	30 N
Maximum torque on gripper jaw, Mx static	0.8 Nm
Maximum torque on gripper jaw, My static	0.8 Nm
Maximum torque on gripper jaw, Mz static	0.8 Nm
Product weight	44 g
Type of mounting	Alternatively:

Feature	Value
	With internal thread and centering sleeve Via through-hole and centering sleeve
Pneumatic connection	M3
Note on materials	RoHS compliant
Cover cap material	PA
Housing material	Wrought aluminum alloy, hard-anodized
Gripper jaw material	High-alloy steel