

Radial gripper DHRC-20-A

Part number: 8128697

FESTO



 General operating condition

Data sheet

Feature	Value
Size	20
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
Actuator system	Pneumatic
Mounting position	Any
Mode of operation	Double-acting
Gripper function	Radial
Gripping force backup	Without
Structural design	Positively driven motion sequence
Position sensing	For proximity sensor
Symbol	00991894
Operating pressure	0.1 MPa ... 0.8 MPa
Operating pressure	1 bar ... 8 bar
Operating pressure	14.5 psi ... 116 psi
Max. operating frequency of pneumatic gripper	≤2 Hz
Min. opening time at 6 bar	44 ms
Min. closing time at 6 bar	57 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)	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 gripping torque at 0.6 MPa (6 bar, 87 psi), opening	166.2 Ncm
Total gripping torque at 6 bar, closing	134.3 Ncm
Mass moment of inertia	0.292 kgcm ²
Maximum force on gripper jaw Fz, static	100 N
Maximum torque on gripper jaw, Mx static	4 Nm
Maximum torque on gripper jaw, My static	2 Nm
Maximum torque on gripper jaw, Mz static	4 Nm
Product weight	218.4 g

Feature	Value
Type of mounting	With through-hole and dowel pin With internal thread and dowel pin
Pneumatic connection	M5
Note on materials	RoHS-compliant
Cover cap material	Wrought aluminum alloy, anodized
Housing material	Wrought aluminum alloy, anodized
Gripper jaw material	High-alloy steel