

# Radial gripper DHRC-20-A

Part number: 8128697

FESTO



## 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	Connection direction at side Positively driven motion sequence
Position sensing	For proximity sensor
Operating pressure	0.1 MPa...0.8 MPa 1 bar...8 bar 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
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 <sup>2</sup>
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

Feature	Value
Product weight	218.4 g
Type of mounting	Direct mounting via through-hole Direct fastening via thread With through-hole and dowel pin With internal thread and dowel pin Optionally:
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