

Radial gripper DHRC-25-A

Part number: 8128142

FESTO



Data sheet

Feature	Value
Size	25
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	90 ms
Min. closing time at 6 bar	117 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	343.6 Ncm
Total gripping torque at 6 bar, closing	277.5 Ncm
Mass moment of inertia	1.311 kgcm ²
Maximum force on gripper jaw Fz, static	140 N
Maximum torque on gripper jaw, Mx static	7 Nm
Maximum torque on gripper jaw, My static	4 Nm
Maximum torque on gripper jaw, Mz static	7 Nm

Feature	Value
Product weight	438.5 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