

# radial gripper DHRS-10-A

Part number: 1310159

FESTO



## Data sheet

Feature	Value
Size	10
Max. replacement accuracy	$\leq 0.2$ mm
Max. opening angle	180 deg
Rotationally symmetrical	$\leq 0.2$ mm
Repetition accuracy, gripper	$\leq 0.1$ mm
Number of gripper fingers	2
Assembly position	Any
Mode of operation	double-acting
Gripper function	radial
Design structure	guided motion sequence
Position detection	For Hall sensors
Operating pressure	2 ... 8 bar
Max. operating frequency of gripper	$\leq 4$ Hz
Min. opening time at 0.6 MPa (6 bar, 87 psi)	35 ms
Min. closing time at 0.6 MPa (6 bar, 87 psi)	91 ms
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Corrosion resistance classification CRC	1 - Low corrosion stress
PWIS conformity	VDMA24364-B2-L
RSBP classification to CD-0033	F5
Ambient temperature	5 ... 60 °C
Total gripping torque at 0.6 MPa (6 bar, 87 psi) opening	21 Ncm
Total gripping torque at 0.6 MPa (6 bar, 87 psi) closing	15 Ncm
Mass moment of inertia	0.03 kgcm <sup>2</sup>
Max. force on gripper jaw Fz static	30 N
Max. torque at gripper Mx static	0.8 Nm
Max. torque at gripper My static	0.8 Nm
Max. torque at gripper Mz static	0.8 Nm
Product weight	44 g
Mounting type	Internal thread and centring sleeve With through-hole and centring sleeve Optional
Pneumatic connection	M3
Materials note	Conforms to RoHS
Material cover cap	PA
Material housing	Hard anodised wrought aluminium alloy
Material gripper jaws	High alloy steel