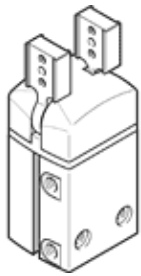


# radial gripper DHRS-40-A

Part number: 1310166

FESTO



## Data sheet

Feature	Value
Size	40
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 proximity sensor
Operating pressure	2 ... 8 bar
Max. operating frequency of gripper	$\leq 2$ Hz
Min. opening time at 0.6 MPa (6 bar, 87 psi)	113 ms
Min. closing time at 0.6 MPa (6 bar, 87 psi)	142 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	725 Ncm
Total gripping torque at 0.6 MPa (6 bar, 87 psi) closing	660 Ncm
Mass moment of inertia	4.18 kgcm <sup>2</sup>
Max. force on gripper jaw Fz static	200 N
Max. torque at gripper Mx static	14 Nm
Max. torque at gripper My static	14 Nm
Max. torque at gripper Mz static	14 Nm
Product weight	829 g
Mounting type	Internal thread and centring sleeve With through-hole and centring sleeve Optional
Pneumatic connection	G1/8
Materials note	Conforms to RoHS
Material cover cap	PA
Material housing	Hard anodised wrought aluminium alloy
Material gripper jaws	High alloy steel