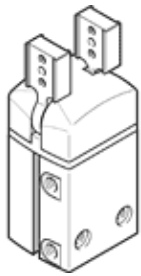


# radial gripper DHRS-40-A

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 6 bar	113 ms
Min. closing time at 6 bar	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
Ambient temperature	5 ... 60 °C
Total gripping torque at 6 bar, opening	725 Ncm
Total gripping torque at 6 bar, 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	Wrought Aluminium alloy Hard anodised
Material gripper jaws	High alloy steel