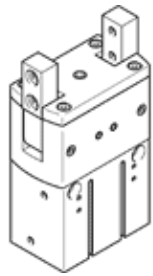


# radial gripper HGRT-50-A

Part number: 563914

FESTO



## Data sheet

Feature	Value
Size	50
Max. replacement accuracy	$\leq 0.2$ mm
Max. angular gripper jaw backlash ax,ay	$\leq 0.1$ deg
Max. opening angle	180 deg
Rotationally symmetrical	$\leq 0.2$ mm
Repetition accuracy, gripper	$\leq 0.02$ 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 For inductive sensors
Operating pressure	3 ... 8 bar
Max. operating frequency of gripper	$\leq 2$ Hz
Min. opening time at 0.6 MPa (6 bar, 87 psi)	350 ms
Min. closing time at 0.6 MPa (6 bar, 87 psi)	403 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-B1/B2-L
Ambient temperature	5 ... 60 °C
Total gripping torque at 0.6 MPa (6 bar, 87 psi) opening	8,424 Ncm
Total gripping torque at 0.6 MPa (6 bar, 87 psi) closing	7,754 Ncm
Mass moment of inertia	43.39 kgcm <sup>2</sup>
Max. force on gripper jaw Fz static	1,200 N
Max. torque at gripper My static	35 Nm
Max. torque at gripper Mz static	10 Nm
Lubrication interval for guide components	10 Mio SP
Product weight	3,100 g
Mounting type	Internal thread and centring sleeve
Pneumatic connection	G1/8
Materials note	Conforms to RoHS
Material housing	Smooth-anodised wrought aluminium alloy
Material gripper jaws	Steel, hardened