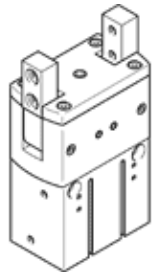


# Radial gripper HGRT-50-A

Part number: 563914

FESTO



## Data sheet

Feature	values
Size	50
Max. replacement accuracy	$\leq 0.2 \text{ mm}$
Max. angular gripper jaw backlash ax,ay	$\leq 0.1 \text{ deg}$
Max. opening angle	180 deg
Rotationally symmetrical	$\leq 0.2 \text{ mm}$
Repetition accuracy, gripper	$\leq 0.02 \text{ mm}$
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
Working pressure	3 ... 8 bar
Max. operating frequency of gripper	$\leq 2 \text{ Hz}$
Min. opening time at 6 bar	350 ms
Min. closing time at 6 bar	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	2
Ambient temperature	5 ... 60 °C
Total gripping torque at 6 bar, opening	8,424 Ncm
Total gripping torque at 6 bar, 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 centering sleeve
Pneumatic connection	G1/8
Materials note	Free of copper and PTFE Conforms to RoHS
Materials information, housing	Aluminum Smooth anodized
Materials information for gripper jaws	Steel Hardened