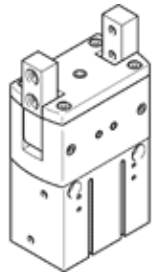


Radial gripper HGRT-40-A

Part number: 563912

FESTO



Data sheet

Feature	values
Size	40
Max. replacement accuracy	≤ 0.2 mm
Max. angular gripper jaw backlash ax,ay	≤ 0.1 deg
Max. opening angle	180 deg
Rotationally symmetrical	≤ 0.2 mm
Repetition accuracy, gripper	≤ 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
Working pressure	3 ... 8 bar
Max. operating frequency of gripper	≤ 2 Hz
Min. opening time at 6 bar	283 ms
Min. closing time at 6 bar	320 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	3,892 Ncm
Total gripping torque at 6 bar, closing	3,526 Ncm
Mass moment of inertia	13.87 kgcm ²
Max. force on gripper jaw Fz static	400 N
Max. torque at gripper My static	17.5 Nm
Max. torque at gripper Mz static	1.6 Nm
Lubrication interval for guide components	10 Mio SP
Product weight	1,580 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