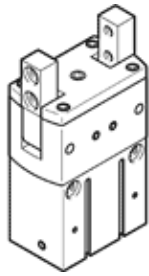


# Radial gripper HGRT-20-A

Part number: 563906

FESTO



## Data sheet

Feature	values
Size	20
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
Working pressure	3 ... 8 bar
Max. operating frequency of gripper	$\leq 3$ Hz
Min. opening time at 6 bar	280 ms
Min. closing time at 6 bar	308 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	588 Ncm
Total gripping torque at 6 bar, closing	516 Ncm
Mass moment of inertia	0.74 kgcm <sup>2</sup>
Max. force on gripper jaw Fz static	100 N
Max. torque at gripper My static	6.2 Nm
Max. torque at gripper Mz static	0.5 Nm
Lubrication interval for guide components	10 Mio SP
Product weight	290 g
Mounting type	Internal thread and centering sleeve
Pneumatic connection	M5
Materials note	Free of copper and PTFE Conforms to RoHS
Materials information, housing	Aluminum Smooth anodized
Materials information for gripper jaws	Steel Hardened