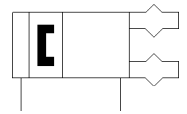
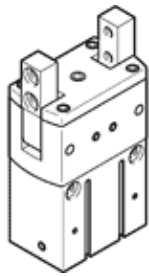


# radial gripper HGRT-20-A

Part number: 563906

FESTO



## Data sheet

Feature	Value
Size	20
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
Operating pressure	3 ... 8 bar
Max. operating frequency of gripper	$\leq 3 \text{ Hz}$
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	1 - Low corrosion stress
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 centring sleeve
Pneumatic connection	M5
Materials note	Free of copper and PTFE Conforms to RoHS
Material housing	Aluminium Smooth anodised
Material gripper jaws	Steel Hardened