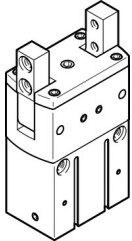


Radial gripper HGRT-20-A

Part number: 563906

FESTO



Data sheet

Feature	Value
Size	20
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
Short type code	HGRT
Number of gripper jaws	2
Mounting position	optional
Mode of operation	Double-acting
Gripper function	Radial
Design	Force pilot operated motion sequence
Position detection	Via proximity switch Via inductive sensors
Symbol	00991894
Operating pressure	3 bar ... 8 bar
Max. operating frequency of gripper	≤ 3 Hz
Min. opening time at 6 bar	280 ms
Min. closing time at 6 bar	308 ms
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Corrosion resistance class CRC	1 - Low corrosion stress
Ambient temperature	5 °C ... 60 °C
Total gripper torque, opening, 6 bar	588 Ncm
Total gripper torque, closing, 6 bar	516 Ncm
Mass moment of inertia	0.74 kgcm ²
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 MioCyc
Product weight	290 g
Type of mounting	Via female thread and centring sleeve
Pneumatic connection	M5
Note on materials	Copper/PTFE-free RoHS-compliant

Feature	Value
Material housing	Aluminium Smooth anodised
Material gripper jaws	Steel Hardened