

Radial gripper HGRT-16-A-G2

Part number: 563905

FESTO



 [General operating condition](#)

Data sheet

Feature	Value
Size	16
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 jaws	2
Mounting position	optional
Mode of operation	Double-acting
Gripper function	Radial
Gripper force back-up	During closing
Design	Force pilot operated motion sequence
Position detection	Via proximity switch Via inductive sensors
Symbol	00991895
Operating pressure	4 bar ... 8 bar
Max. operating frequency of gripper	≤3 Hz
Min. opening time at 0.6 MPa (6 bar, 87 psi)	233 ms
Min. closing time at 0.6 MPa (6 bar, 87 psi)	185 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
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature	5 °C ... 60 °C
Mass moment of inertia	0.21 kgcm ²
Max. force on gripper jaw Fz static	50 N
Max. torque at gripper My static	3.9 Nm
Max. torque at gripper Mz static	0.3 Nm
Lubrication interval for guide components	10 MioCyc
Product weight	150 g
Type of mounting	Via female thread and centring sleeve
Pneumatic connection	M3
Note on materials	RoHS-compliant
Material housing	Smooth-anodised wrought aluminium alloy
Material gripper jaws	Hardened steel