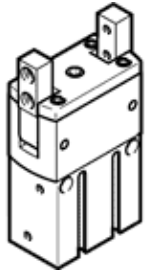


# Radial gripper HGRT-16-A

Part number: 563904

FESTO



## Data sheet

Feature	Value
Size	16
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 0.6 MPa (6 bar, 87 psi)	246 ms
Min. closing time at 0.6 MPa (6 bar, 87 psi)	293 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
PWIS conformity	VDMA24364-B1/B2-L
Ambient temperature	5 ... 60 °C
Total gripping torque at 0.6 MPa (6 bar, 87 psi) opening	188 Ncm
Total gripping torque at 0.6 MPa (6 bar, 87 psi) closing	158 Ncm
Mass moment of inertia	0.191 kgcm <sup>2</sup>
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 Mio SP
Product weight	130 g
Mounting type	Internal thread and centering sleeve
Pneumatic connection	M3
Materials note	Conforms to RoHS
Material housing	Smooth-anodised wrought aluminium alloy
Material gripper jaws	Steel, hardened