

# Radial gripper HGRT-20-A

Part number: 563906

FESTO



## Data sheet

Feature	Value
Size	20
Max. interchangeability	0.2 mm
Max. gripper jaw angular play ax, ay	0.1 deg
Max. opening angle	180 deg
Rotational symmetry	0.2 mm
Pneumatic gripper repetition accuracy	0.02 mm
Number of gripper jaws	2
Mounting position	Any
Mode of operation	Double-acting
Gripper function	Radial
Structural design	Positively driven motion sequence
Position sensing	For proximity sensor For inductive proximity sensors
Operating pressure	3 bar...8 bar
Max. operating frequency of pneumatic gripper	3 Hz
Min. opening time at 6 bar	280 ms
Min. closing time at 6 bar	308 ms
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC)	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature	5 °C...60 °C
Total gripping torque at 0.6 MPa (6 bar, 87 psi), opening	588 Ncm
Total gripping torque at 6 bar, closing	516 Ncm
Mass moment of inertia	0.74 kgcm <sup>2</sup>
Maximum force on gripper jaw Fz, static	100 N
Maximum torque on gripper jaw, My static	6.2 Nm
Maximum torque on gripper jaw, Mz static	0.5 Nm
Relubrication interval for guidance elements	10 MioCyc
Product weight	290 g
Type of mounting	With internal thread and centering sleeve
Pneumatic connection	M5

Feature	Value
Note on materials	RoHS-compliant
Housing material	Wrought aluminum alloy, smooth-anodized
Gripper jaw material	Hardened steel