

Radial gripper HGRT-50-A

Part number: 563914

FESTO



Data sheet

Feature	Value
Size	50
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	2 Hz
Min. opening time at 6 bar	350 ms
Min. closing time at 6 bar	403 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	8424 Ncm
Total gripping torque at 6 bar, closing	7754 Ncm
Mass moment of inertia	43.39 kgcm ²
Maximum force on gripper jaw Fz, static	1200 N
Maximum torque on gripper jaw, My static	35 Nm
Maximum torque on gripper jaw, Mz static	10 Nm
Relubrication interval for guidance elements	10 MioCyc
Product weight	3100 g
Type of mounting	With internal thread and centering sleeve
Pneumatic connection	G1/8

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