

# Radial gripper HGRT-16-A-G2

Part number: 563905

FESTO



## Data sheet

Feature	Value
Size	16
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
Gripping force backup	During closing
Structural design	Positively driven motion sequence
Position sensing	For proximity sensor For inductive proximity sensors
Operating pressure	4 bar...8 bar
Max. operating frequency of pneumatic gripper	3 Hz
Min. opening time at 6 bar	233 ms
Min. closing time at 6 bar	185 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
Mass moment of inertia	0.21 kgcm <sup>2</sup>
Maximum force on gripper jaw Fz, static	50 N
Maximum torque on gripper jaw, My static	3.9 Nm
Maximum torque on gripper jaw, Mz static	0.3 Nm
Relubrication interval for guidance elements	10 MioCyc
Product weight	150 g
Type of mounting	With internal thread and centering sleeve
Pneumatic connection	M3
Note on materials	RoHS-compliant

Feature	Value
Housing material	Wrought aluminum alloy, smooth-anodized
Gripper jaw material	Hardened steel