Radial gripper HGRT-50-A-G2 Part number: 563915



Data sheet

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General operating condition

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	
Gripping force backup	During closing	
Structural design	Positively driven motion sequence	
Position sensing	For proximity sensor For inductive proximity sensors	
Symbol	00991895	
Operating pressure	4 bar 8 bar	
Max. operating frequency of pneumatic gripper	≤2 Hz	
Min. opening time at 6 bar	490 ms	
Min. closing time at 6 bar	355 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 ℃ 60 ℃	
Mass moment of inertia	47.7 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 МіоСус	
Product weight	3500 g	
Type of mounting	With internal thread and centering sleeve	
Pneumatic connection	G1/8	
Note on materials	RoHS-compliant	
Housing material	Wrought aluminum alloy, smooth-anodized	
Gripper jaw material	Hardened steel	