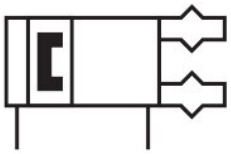
Radial gripper
HGRT-25-A
Part number: 563908





Data sheet

Feature	Value
Size	25
Max. replacement accuracy	0.2 mm
Max. angular gripper jaw backlash ax, ay	0.1 deg
Max. opening angle	180 deg
Rotationally symmetrical	0.2 mm
Repetition accuracy, gripper	0.02 mm
Number of gripper jaws	2
Mounting position	optional
Mode of operation	Double-acting
Gripper function	Radial
Design	Force pilot operated motion sequence
Position detection	Via proximity switch Via inductive sensors
Operating pressure	3 bar...8 bar
Max. operating frequency of gripper	3 Hz
Min. opening time at 0.6 MPa (6 bar, 87 psi)	309 ms
Min. closing time at 0.6 MPa (6 bar, 87 psi)	343 ms
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
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	1348 Ncm
Total gripper torque, closing, 0.6 MPa (6 bar, 87 psi)	1208 Ncm
Mass moment of inertia	2.1 kgcm²
Max. force on gripper jaw Fz static	180 N
Max. torque at gripper My static	10 Nm
Max. torque at gripper Mz static	1 Nm
Lubrication interval for guide components	10 MioCyc
Product weight	540 g
Type of mounting	Via female thread and centring sleeve

Feature	Value
Pneumatic connection	M5
Note on materials	RoHS-compliant
Material housing	Smooth-anodised wrought aluminium alloy
Material gripper jaws	Hardened steel