Angle gripper
HGWM-12-EO-G7

Part number: 185700





Data sheet

Feature	Value
Size	12
Max. angular gripper jaw backlash ax, ay	0.5 deg
Max. gripper jaw backlash Sz	0.03 mm
Max. opening angle	18.5 deg
Repetition accuracy, gripper	0.02 mm
Number of gripper jaws	2
Drive system	Pneumatic
Mode of operation	Single-acting Open
Gripper function	Angle
Gripper force back-up	None
Design	Wedge-shaped drive
Position detection	Without
Operating pressure	2 bar...8 bar
Max. operating frequency of gripper	4 Hz
Min. opening time at 0.6 MPa (6 bar, 87 psi)	3.7 ms
Min. closing time at 0.6 MPa (6 bar, 87 psi)	1.8 ms
Operating medium	Compressed air to ISO 8573-1:2010 [7:-:-]
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Ambient temperature	5 °C...60 °C
Spring return moment	1.3 Ncm
Total gripper torque, closing, 0.6 MPa (6 bar, 87 psi)	64 Ncm
Mass moment of inertia	267 kgcm²
Mass moment of inertia per external gripper finger	560 kgcm²
Max. force on gripper jaw Fz static	20 N
Max. torque at gripper Mx static	40 Ncm
Max. torque at gripper My static	40 Ncm
Max. torque at gripper Mz static	40 Ncm
Max. mass per external gripper finger	1000 g
Product weight	52 g
Type of mounting	Via lock nut

Feature	Value
Pneumatic connection	M3
Note on materials	RoHS-compliant
Material cover cap	POM
Material housing	High-alloy stainless steel
Material gripper jaws	High-alloy steel