Angled gripper
HGWM-12-EO-G7

Part number: 185700





Data sheet

Feature	Value
Size	12
Max. gripper jaw angular play ax, ay	0.5 deg
Max. gripper jaw backlash Sz	0.03 mm
Max. opening angle	18.5 deg
Pneumatic gripper repetition accuracy	0.02 mm
Number of gripper jaws	2
Actuator system	Pneumatic
Mode of operation	Single-acting Open
Gripper function	Bracket
Gripping force backup	None
Structural design	Inclined plane
Position sensing	None
Operating pressure	2 bar...8 bar
Max. operating frequency of pneumatic gripper	4 Hz
Min. opening time at 6 bar	3.7 ms
Min. closing time at 6 bar	1.8 ms
Operating medium	Compressed air as per 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 torque	1.3 Ncm
Total gripping torque at 6 bar, closing	64 Ncm
Mass moment of inertia	267 kgcm²
Mass moment of inertia per external gripper finger	560 kgcm²
Maximum force on gripper jaw Fz, static	20 N
Maximum torque on gripper jaw, Mx static	40 Ncm
Maximum torque on gripper jaw, My static	40 Ncm
Maximum torque on gripper jaw, Mz static	40 Ncm
Max. mass per external gripper finger	1000 g
Product weight	52 g
Type of mounting	With locknut

Feature	Value
Pneumatic connection	M3
Note on materials	RoHS compliant
Cover cap material	POM
Housing material	high-alloy stainless steel
Gripper jaw material	High-alloy steel