

Angle gripper HGWM-12-EO-G8

Part number: 185701

FESTO



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
Mode of operation	Single-acting Open
Gripper function	Angle
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	215.4 kgcm ²
Mass moment of inertia per external gripper finger	560 kgcm ²
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	45 g
Type of mounting	Clamped
Pneumatic connection	M3
Material cover cap	POM

Feature	Value
Material housing	High-alloy stainless steel
Material gripper jaws	High-alloy steel