

Angle gripper HGWM-12-EZ-G6

Part number: 185702

FESTO



 General operating condition

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	14 deg
Repetition accuracy, gripper	≤0.02 mm
Number of gripper jaws	2
Mode of operation	Single-acting Closed
Gripper function	Angle
Design	Wedge-shaped drive
Position detection	Without
Symbol	00991898
Operating pressure	2 bar ... 8 bar
Max. operating frequency of gripper	4 Hz
Min. opening time at 0.6 MPa (6 bar, 87 psi)	1.7 ms
Min. closing time at 0.6 MPa (6 bar, 87 psi)	2.8 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 force of stroke compensator	10 N ... 23 N
Spring return moment	0.015 Nm
Total gripping torque at 0.6 MPa (6 bar, 87 psi), opening	76 Ncm
Mass moment of inertia	421 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	0.4 Nm
Max. torque at gripper My static	0.4 Nm
Max. torque at gripper Mz static	0.4 Nm
Max. mass per external gripper finger	1000 g
Product weight	75 g
Type of mounting	Via female thread
Pneumatic connection	M3
Material cover cap	POM
Material housing	High-alloy stainless steel

Feature	Value
Material gripper jaws	High-alloy steel