

# Angle gripper HGWM-08-EO-G6

Part number: 185693

FESTO



## Data sheet

Feature	Value
Size	8
Max. angular gripper jaw backlash ax, ay	0.5 deg
Max. gripper jaw backlash Sz	0.03 mm
Max. opening angle	17 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)	2.7 ms
Min. closing time at 0.6 MPa (6 bar, 87 psi)	1.2 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	4 N...6 N
Spring return moment	0.5 Ncm
Total gripper torque, closing, 0.6 MPa (6 bar, 87 psi)	22 Ncm
Mass moment of inertia	70.5 kgcm <sup>2</sup>
Mass moment of inertia per external gripper finger	250 kgcm <sup>2</sup>
Max. force on gripper jaw Fz static	7 N
Max. torque at gripper Mx static	20 Ncm
Max. torque at gripper My static	20 Ncm
Max. torque at gripper Mz static	20 Ncm
Max. mass per external gripper finger	400 g
Product weight	23 g

<b>Feature</b>	<b>Value</b>
Type of mounting	Via female thread
Pneumatic connection	M3
Note on materials	RoHS-compliant
Material cover cap	POM
Material housing	High-alloy stainless steel
Material gripper jaws	High-alloy steel