

Angle gripper HGWM-12-EO-G6

Part number: 185699

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	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
Symbol	00991897
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 force of stroke compensator	10 N ... 23 N
Spring return moment	0.013 Nm
Total gripper torque, closing, 0.6 MPa (6 bar, 87 psi)	64 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

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