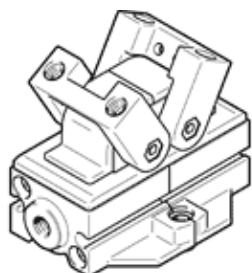


# angle gripper HGWC-12-40-A

Part number: 565141  
Product to be discontinued

FESTO

Type to be discontinued. Available until 2019. See Support Portal for alternative products.



## Data sheet

Feature	Value
Size	12
Max. replacement accuracy	$\leq 0.2$ mm
Max. angular gripper jaw backlash ax,ay	$\leq 0.5$ deg
Max. gripper jaw backlash Sz	$\leq 0.1$ mm
Max. opening angle	80 deg
Rotationally symmetrical	$\leq 0.2$ mm
Repetition accuracy, gripper	$\leq 0.05$ mm
Number of gripper fingers	2
Assembly position	Any
Mode of operation	double-acting
Gripper function	Angle
Design structure	Rack and pinion guided motion sequence
Position detection	For proximity sensor
Operating pressure	2 ... 8 bar
Max. operating frequency of gripper	$\leq 4$ Hz
Min. opening time at 6 bar	70 ms
Min. closing time at 6 bar	50 ms
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Corrosion resistance classification CRC	2 - Moderate corrosion stress
Ambient temperature	5 ... 60 °C
Total gripping torque at 6 bar, opening	22 Ncm
Total gripping torque at 6 bar, closing	22 Ncm
Mass moment of inertia	0.52 kgcm <sup>2</sup>
Max. force on gripper jaw Fz static	40 N
Max. torque at gripper Mx static	2.5 Nm
Max. torque at gripper My static	0.6 Nm
Max. torque at gripper Mz static	2 Nm
Lubrication interval for guide components	10 Mio SP
Product weight	200 g
Mounting type	Internal thread and centring sleeve
Pneumatic connection	M5
Materials note	Free of copper and PTFE Conforms to RoHS
Material housing	Zinc die-casting Painted
Material gripper jaws	Zinc die-casting Painted