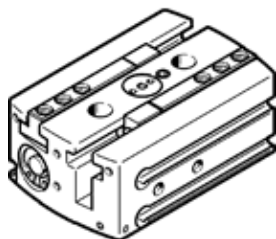


# parallel gripper HGPL-14-20-A-B

Part number: 3361479

FESTO



## Data sheet

Feature	Value
Size	14
Stroke per gripper jaw	20 mm
Max. replacement accuracy	< 0.2 mm
Max. angular gripper jaw backlash ax,ay	< 0.2 deg
Max. gripper jaw backlash Sz	< 0.05 mm
Rotationally symmetrical	<= 0.2 mm
Repetition accuracy, gripper	< 0.03 mm
Number of gripper fingers	2
Assembly position	Any
Mode of operation	double-acting
Gripper function	Parallel
Design structure	twin piston Guide Piston slide T-shaped Rack and pinion
Position detection	For proximity sensor
Total force at 6 bar, opening	126 N
Total force at 6 bar, closing	158 N
Operating pressure	3 ... 8 bar
Max. operating frequency of gripper	< 1 Hz
Min. opening time at 6 bar	120 ms
Min. closing time at 6 bar	110 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
Gripping force per gripper jaw at 6 bar, opening	63 N
Gripping force per gripper jaw at 6 bar, closing	79 N
Mass moment of inertia	1.4 kgcm <sup>2</sup>
Max. force on gripper jaw Fz static	500 N
Max. torque at gripper Mx static	35 Nm
Max. torque at gripper My static	35 Nm
Max. torque at gripper Mz static	35 Nm
Lubrication interval for guide components	5 Mio SP
Max. mass per external gripper finger	80 g
Product weight	305 g
Mounting type	Internal thread and centring sleeve With through-hole and centring sleeve
Pneumatic connection	M5
Materials note	Free of copper and PTFE Conforms to RoHS
Material housing	Aluminium Smooth anodised
Material gripper jaws	Steel Hardened