

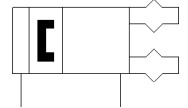
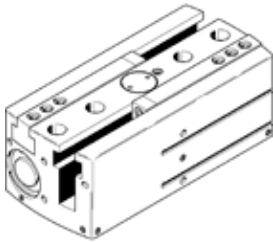
# Parallel gripper HGPL-40-80-A

Part number: 535857  
Product to be discontinued

FESTO

sturdy, with long stroke.

Type to be discontinued. Available until 2016. See Support Portal for alternative products.



## Data sheet

Feature	Value
Size	40
Stroke per gripper jaw	80 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	1,038 N
Total force at 6 bar, closing	1,216 N
Working pressure	3 ... 8 bar
Max. operating frequency of gripper	< 1 Hz
Min. opening time at 6 bar	414 ms
Min. closing time at 6 bar	438 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
Ambient temperature	5 ... 60 °C
Gripping force per gripper jaw at 6 bar, opening	519 N
Gripping force per gripper jaw at 6 bar, closing	608 N
Mass moment of inertia	198.87 kgcm <sup>2</sup>
Max. force on gripper jaw Fz static	2,500 N
Max. torque at gripper Mx static	125 Nm
Max. torque at gripper My static	80 Nm
Max. torque at gripper Mz static	100 Nm
Lubrication interval for guide components	5 Mio SP
Max. ground per external gripper finger	420 g
Product weight	4,800 g
Mounting type	Internal thread and centering sleeve With through-hole and centering sleeve
Pneumatic connection	M5
Materials note	Free of copper and PTFE

<b>Feature</b>	<b>Value</b>
	Conforms to RoHS
Materials information, housing	Aluminum Smooth anodized
Materials information for gripper jaws	Steel Hardened