

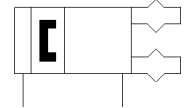
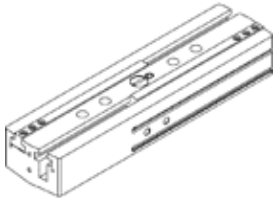
Parallel gripper HGPL-14-80-A

Part number: 535853
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	14
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	126 N
Total force at 6 bar, closing	158 N
Working pressure	3 ... 8 bar
Max. operating frequency of gripper	< 1 Hz
Min. opening time at 6 bar	286 ms
Min. closing time at 6 bar	270 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	63 N
Gripping force per gripper jaw at 6 bar, closing	79 N
Mass moment of inertia	21.93 kgcm ²
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. ground per external gripper finger	80 g
Product weight	720 g
Mounting type	Internal thread and centering sleeve With through-hole and centering sleeve
Pneumatic connection	M5
Materials note	Free of copper and PTFE

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