

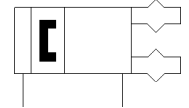
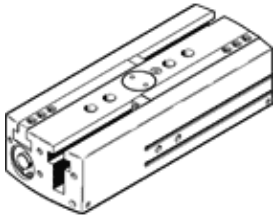
parallel gripper HGPL-25-80-A

Part number: 535855
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	25
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	412 N
Total force at 6 bar, closing	512 N
Operating pressure	3 ... 8 bar
Max. operating frequency of gripper	< 1 Hz
Min. opening time at 6 bar	423 ms
Min. closing time at 6 bar	418 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	206 N
Gripping force per gripper jaw at 6 bar, closing	256 N
Mass moment of inertia	78.7 kgcm ²
Max. force on gripper jaw Fz static	1,500 N
Max. torque at gripper Mx static	100 Nm
Max. torque at gripper My static	60 Nm
Max. torque at gripper Mz static	70 Nm
Lubrication interval for guide components	5 Mio SP
Max. ground per external gripper finger	250 g
Product weight	2,200 g
Mounting type	Internal thread and centring sleeve With through-hole and centring sleeve
Pneumatic connection	M5
Materials note	Free of copper and PTFE

Feature	Value
	Conforms to RoHS
Materials information, housing	Aluminium Smooth anodised
Materials information for gripper jaws	Steel Hardened