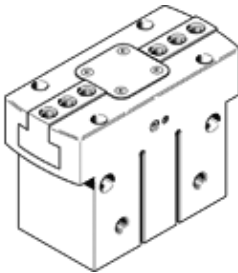


Parallel gripper HGPT-50-A-G2

Part number: 535875

FESTO

sturdy, with gripping force retention when closing ...G2.



Data sheet

Feature	Value
Size	50
Stroke per gripper jaw	12 mm
Max. replacement accuracy	≤ 0.2 mm
Max. angular gripper jaw backlash ax,ay	≤ 0.1 deg
Max. gripper jaw backlash Sz	≤ 0.02 mm
Rotationally symmetrical	≤ 0.2 mm
Repetition accuracy, gripper	≤ 0.05 mm
Number of gripper fingers	2
Assembly position	Any
Mode of operation	double-acting
Gripper function	Parallel
Gripper force back-up	during closing, G2
Design structure	Inclined plane guided motion sequence
Position detection	For proximity sensor
Working pressure	5 ... 8 bar
Working pressure, sealing air	0 ... 0.5 bar
Max. operating frequency of gripper	≤ 2 Hz
Min. opening time at 6 bar	130 ms
Min. closing time at 6 bar	70 ms
Operating medium	Dried compressed air, lubricated or unlubricated
Ambient temperature	5 ... 60 °C
Mass moment of inertia	25.46 kgcm ²
Max. force on gripper jaw Fz static	2,500 N
Max. torque at gripper Mx static	100 Nm
Max. torque at gripper My static	90 Nm
Max. torque at gripper Mz static	60 Nm
Lubrication interval for guide components	5 Mio SP
Product weight	2,102 g
Mounting type	Optional With through-hole and dowel pin With internal thread and dowel pin
Pneumatic connection, sealing air	M5
Pneumatic connection	G1/8
Materials note	Free of copper and PTFE
Materials information for cover cap	High alloy steel, non-corrosive
Materials information, housing	Aluminum COMPCOTE coated
Materials information for gripper jaws	Steel Hardened