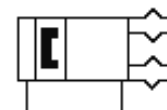


Parallel gripper HGPT-25-A

Part number: 535864

FESTO

sturdy.



Data sheet

Feature	Value
Size	25
Stroke per gripper jaw	6 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	≤ 0.04 mm
Number of gripper fingers	2
Assembly position	Any
Mode of operation	double-acting
Gripper function	Parallel
Design structure	Inclined plane guided motion sequence
Position detection	For proximity sensor
Total force at 6 bar, opening	220 N
Total force at 6 bar, closing	200 N
Operating pressure	3 ... 8 bar
Operating pressure, sealing air	0 ... 0.5 bar
Max. operating frequency of gripper	≤ 3 Hz
Min. opening time at 6 bar	30 ms
Min. closing time at 6 bar	33 ms
Operating medium	Dried compressed air, lubricated or unlubricated
Ambient temperature	5 ... 60 °C
Gripping force per gripper jaw at 6 bar, opening	110 N
Gripping force per gripper jaw at 6 bar, closing	100 N
Mass moment of inertia	1.263 kgcm ²
Max. force on gripper jaw Fz static	500 N
Max. torque at gripper Mx static	30 Nm
Max. torque at gripper My static	25 Nm
Max. torque at gripper Mz static	15 Nm
Lubrication interval for guide components	5 Mio SP
Product weight	361 g
Mounting type	Optional With through-hole and dowel pin With internal thread and dowel pin
Pneumatic connection, sealing air	M5
Pneumatic connection	M5
Materials note	Free of copper and PTFE
Materials information for cover cap	High alloy steel, non-corrosive
Materials information, housing	Aluminium COMPCOTE coated
Materials information for gripper jaws	Steel Hardened