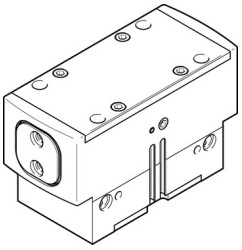
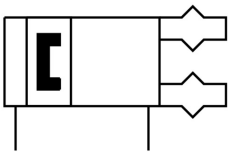
Parallel gripper
HGPD-63-A

Part number: 1132954





Data sheet

Feature	Value
Size	63 63
Stroke per gripper jaw	16 mm
Max. interchangeability	≤0.2 mm
Max. gripper jaw angular play ax, ay	≤0.1 deg
Max. gripper jaw backlash Sz	≤0.02 mm
Rotational symmetry	≤0.2 mm
Pneumatic gripper repetition accuracy	≤0.05 mm
Type code	HGPD HGPD
Number of gripper jaws	2
Mounting position	Any Any
Mode of operation	Double-acting
Gripper function	Parallel Parallel
Design	Positively driven motion sequence Inclined plane Inclined plane Positively driven motion sequence
Position sensing	For proximity sensor For proximity sensor
Symbol	00991894 00991894
Total gripping force at 6 bar, opening	1935 N
Total gripping force at 6 bar, closing	1856 N
Operating pressure	3 bar ... 8 bar
Operating pressure for sealing air	0 bar ... 0.5 bar
Max. operating frequency of pneumatic gripper	≤2 Hz
Min. opening time at 6 bar	150 ms
Min. closing time at 6 bar	162 ms
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4] Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use) Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC)	2 - Moderate corrosion stress 2 - Moderate corrosion stress
Degree of protection	IP65 IP65

Feature	Value
Ambient temperature	5 °C ... 60 °C
Gripping force per gripper jaw at 6 bar, opening	967 N
Gripping force per gripper jaw at 6 bar, closing	928 N
Mass moment of inertia	80.33 kgcm²
Maximum force on gripper jaw Fz, static	3000 N
Maximum torque on gripper jaw, Mx static	120 Nm
Maximum torque on gripper jaw, My static	80 Nm
Maximum torque on gripper jaw, Mz static	65 Nm
Relubrication interval for guidance elements	5000000 MioCyc
Max. mass per external gripper finger	1340 g
Product weight	3365 g
Type of mounting	Optionally: With through-hole and dowel pin With internal thread and dowel pin Via through-hole and centering sleeve With internal thread and centering sleeve With internal thread and centering sleeve Via through-hole and centering sleeve With through-hole and dowel pin With internal thread and dowel pin Optionally:
Sealing air pneumatic connection	M5 M5
Pneumatic connection	G1/8 G1/8
Note on materials	RoHS-compliant RoHS-compliant
Cover cap material	High-alloy stainless steel High-alloy stainless steel
Housing material	Aluminum Anodized Aluminum Anodized
Gripper jaw material	Hardened Steel Steel Hardened