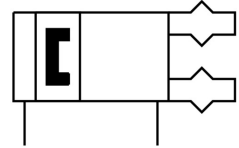
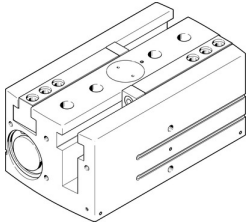


Parallel gripper HGPL-63-100-A-B

Part number: 3361493

FESTO



Data sheet

Feature	Value
Size	63
Stroke per gripper jaw	100 mm
Max. interchangeability	<0.2 mm
Max. gripper jaw angular play ax, ay	<0.2 deg
Max. gripper jaw backlash Sz	<0.05 mm
Rotational symmetry	≤0.2 mm
Pneumatic gripper repetition accuracy	<0.03 mm
Type code	HGPL
Number of gripper jaws	2
Mounting position	Any
Mode of operation	Double-acting
Gripper function	Parallel
Design	Twin piston Guide Piston gate valve T-shape Gear rack/pinion
Position sensing	For proximity sensor
Symbol	00991894
Total gripping force at 6 bar, opening	2466 N
Total gripping force at 6 bar, closing	2742 N
Operating pressure	3 bar ... 8 bar
Max. operating frequency of pneumatic gripper	<1 Hz
Min. opening time at 6 bar	650 ms
Min. closing time at 6 bar	600 ms
Operating medium	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)
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
Ambient temperature	5 °C ... 60 °C
Gripping force per gripper jaw at 6 bar, opening	1233 N
Gripping force per gripper jaw at 6 bar, closing	1371 N
Mass moment of inertia	1018.17 kgcm ²
Maximum force on gripper jaw Fz, static	9000 N
Maximum torque on gripper jaw, Mx static	300 Nm
Maximum torque on gripper jaw, My static	200 Nm
Maximum torque on gripper jaw, Mz static	250 Nm
Relubrication interval for guidance elements	5 MioCyc

Feature	Value
Max. mass per external gripper finger	940 g
Product weight	13800 g
Type of mounting	With internal thread and centering sleeve Via through-hole and centering sleeve
Pneumatic connection	G1/8
Note on materials	Free of copper and PTFE RoHS-compliant
Housing material	Aluminum Smooth anodized
Gripper jaw material	Steel Hardened