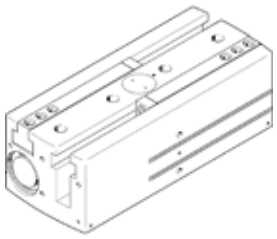
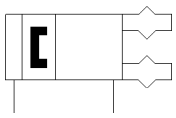
parallel gripper
HGPL-63-150-A-B

Part number: 3361494

FESTO





Data sheet

Feature	Value
Size	63
Stroke per gripper jaw	150 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
Drive system	pneumatic
Assembly position	Any
Mode of operation	double-acting
Gripper function	Parallel
Gripper force back-up	No
Design structure	twin piston Guide Piston slide T-shaped Rack and pinion
Position detection	For proximity sensor
Total gripping force at 0.6 MPa (6 bar, 87 psi), opening	2,466 N
Total gripping force at 0.6 MPa (6 bar, 87 psi), closing	2,742 N
Operating pressure	3 ... 8 bar
Max. operating frequency of gripper	‹ 1 Hz
Min. opening time at 0.6 MPa (6 bar, 87 psi)	1,020 ms
Min. closing time at 0.6 MPa (6 bar, 87 psi)	850 ms
Max. mass per external gripper finger	940 g
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 - Moderate corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Ambient temperature	5 ... 60 °C
Gripping force per gripper jaw at 0.6 MPa (6 bar, 87 psi) opening	1,233 N
Gripping force per gripper jaw at 0.6 MPa (6 bar, 87 psi) closing	1,371 N
Mass moment of inertia	2,247.54 kgcm2
Max. force on gripper jaw Fz static	9,000 N
Max. torque at gripper Mx static	300 Nm
Max. torque at gripper My static	200 Nm
Max. torque at gripper Mz static	250 Nm
Lubrication interval for guide components	5 Mio SP
Product weight	18,100 g
Mounting type	Internal thread and centring sleeve With through-hole and centring sleeve
Pneumatic connection	G1/8
Materials note	Conforms to RoHS
Material housing	Smooth-anodised wrought aluminium alloy
Material gripper jaws	Steel, hardened