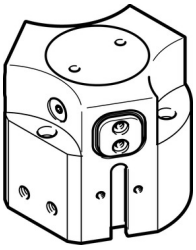
Three-point gripper
HGDD-35-A-G2

Part number: 1163039

FESTO





Data sheet

Feature	Value
Size	35
Stroke per gripper jaw	4 mm
Max. interchangeability	≤0.2 mm
Max. gripper jaw angular play ax, ay	≤0.1 deg
Max. gripper jaw backlash Sz	≤0.05 mm
Rotational symmetry	≤0.2 mm
Pneumatic gripper repetition accuracy	≤0.03 mm
Type code	HGDD
Number of gripper jaws	3
Mounting position	Any
Mode of operation	Double-acting
Gripper function	3-point
Gripping force backup	During closing
Design	Inclined plane Positively driven motion sequence
Position sensing	For proximity sensor
Symbol	00991895
Operating pressure	4 bar ... 8 bar
Operating pressure for sealing air	0 bar ... 0.5 bar
Max. operating frequency of pneumatic gripper	≤4 Hz
Min. opening time at 6 bar	81 ms
Min. closing time at 6 bar	42 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
Degree of protection	IP65
Ambient temperature	5 °C ... 60 °C
Mass moment of inertia	1.37 kgcm²
Maximum force on gripper jaw Fz, static	300 N
Maximum torque on gripper jaw, Mx static	12 Nm
Maximum torque on gripper jaw, My static	8 Nm
Maximum torque on gripper jaw, Mz static	8 Nm
Relubrication interval for guidance elements	5 MioCyc
Max. mass per external gripper finger	57 g
Product weight	370 g

Feature	Value
Type of mounting	With through-hole and dowel pin With internal thread and dowel pin Optionally:
Sealing air pneumatic connection	M3
Pneumatic connection	M5
Note on materials	Free of copper and PTFE RoHS-compliant
Cover cap material	High-alloy stainless steel
Housing material	Wrought aluminum alloy Smooth anodized
Gripper jaw material	Steel Hardened