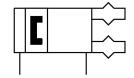
## Three-point gripper HGDT-25-A Part number: 540859



## **Data sheet**

Feature	Value	
Size	25	
Stroke per gripper jaw	3 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	
Number of gripper jaws	3	
Mounting position	Any	
Mode of operation	Double-acting	
Gripper function	3-point	
Structural design	Inclined plane Positively driven motion sequence	
Position sensing	For proximity sensor	
Gripping force per gripper jaw at 6 bar, opening	246 N 82 N	
Gripping force per gripper jaw at 6 bar, closing	207 N 69 N	
Operating pressure	3 bar8 bar	
Operating pressure for sealing air	0 bar0.5 bar	
Max. operating frequency of pneumatic gripper	4 Hz	
Min. opening time at 6 bar	28 ms	
Min. closing time at 6 bar	25 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	
LABS (PWIS) conformity	VDMA24364-B1/B2-L	
Ambient temperature	5 °C60 °C	
Mass moment of inertia	0.48 kgcm <sup>2</sup>	
Maximum force on gripper jaw Fz, static	350 N	
Maximum torque on gripper jaw, Mx static	7 Nm	
Maximum torque on gripper jaw, My static	10 Nm	

Feature	Value	
Maximum torque on gripper jaw, Mz static	5 Nm	
Relubrication interval for guidance elements	5 MioCyc	
Max. mass per external gripper finger	10 g	
Product weight	185 g	
Type of mounting	Optionally: With through-hole and dowel pin With internal thread and dowel pin	
Sealing air pneumatic connection	M5	
Pneumatic connection	M5	
Cover cap material	High-alloy stainless steel	
Housing material	Wrought aluminum alloy COMPCOTE-coated	
Gripper jaw material	Hardened steel	