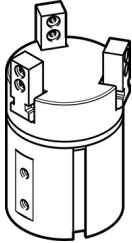


# Three-point gripper DHDS-32-A

Part number: 1259493

FESTO



## Data sheet

Feature	Value
Size	32
Stroke per gripper jaw	3.9 mm
Max. interchangeability	$\leq 0.2$ mm
Max. gripper jaw angular play ax, ay	$\leq 0.2$ deg
Max. gripper jaw backlash Sz	$\leq 0.02$ mm
Rotational symmetry	$\leq 0.2$ mm
Pneumatic gripper repetition accuracy	$\leq 0.04$ mm
Type code	DHDS
Number of gripper jaws	3
Mounting position	Any
Mode of operation	Double-acting
Gripper function	3-point
Design	Positively driven motion sequence Lever
Position sensing	For proximity sensor
Symbol	00991894
Total gripping force at 6 bar, opening	405 N
Total gripping force at 6 bar, closing	345 N
Operating pressure	2 bar ... 8 bar
Max. operating frequency of pneumatic gripper	$\leq 4$ Hz
Min. opening time at 6 bar	44 ms
Min. closing time at 6 bar	51 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)	1 - Low corrosion stress
Ambient temperature	5 °C ... 60 °C
Gripping force per gripper jaw at 6 bar, opening	135 N
Gripping force per gripper jaw at 6 bar, closing	115 N
Mass moment of inertia	0.79 kgcm <sup>2</sup>
Maximum force on gripper jaw Fz, static	150 N
Maximum torque on gripper jaw, Mx static	9 Nm
Maximum torque on gripper jaw, My static	9 Nm
Maximum torque on gripper jaw, Mz static	9 Nm
Relubrication interval for guidance elements	10 MioCyc
Max. mass per external gripper finger	150 g
Product weight	276 g

Feature	Value
Type of mounting	With internal thread and dowel pin
Pneumatic connection	M5
Note on materials	RoHS-compliant
Cover cap material	PA
Housing material	Wrought aluminum alloy Hard-anodized
Gripper jaw material	High-alloy stainless steel