

Angled gripper DHWS-16-A

Part number: 1310178

FESTO



Data sheet

Feature	Value
Size	16
Max. interchangeability	0.2 mm
Max. opening angle	40 deg
Rotational symmetry	0.2 mm
Pneumatic gripper repetition accuracy	0.04 mm
Number of gripper jaws	2
Mounting position	Any
Mode of operation	Double-acting
Gripper function	Angle
Structural design	Lever
Position sensing	For proximity sensor
Operating pressure	2 bar...8 bar
Max. operating frequency of pneumatic gripper	4 Hz
Min. opening time at 6 bar	44 ms
Min. closing time at 6 bar	52 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
LABS (PWIS) conformity	VDMA24364-B2-L
Suitability for the production of Li-ion batteries	Metals with more than 5% by mass of copper are excluded from use. Exception are printed circuit boards, cables, electrical connectors and coils
Ambient temperature	5 °C...60 °C
Total gripping torque at 0.6 MPa (6 bar, 87 psi), opening	129 Ncm
Total gripping torque at 6 bar, closing	114 Ncm
Mass moment of inertia	0.14 kgcm ²
Maximum force on gripper jaw Fz, static	50 N
Maximum torque on gripper jaw, Mx static	1.6 Nm
Maximum torque on gripper jaw, My static	1.6 Nm
Maximum torque on gripper jaw, Mz static	1.6 Nm
Product weight	110 g

Feature	Value
Type of mounting	With internal thread and centering sleeve Via through-hole and centering sleeve Optionally:
Pneumatic connection	M3
Note on materials	RoHS-compliant
Cover cap material	PA
Housing material	Wrought aluminum alloy Hard-anodized
Gripper jaw material	High-alloy steel