Parallel gripper DHPS-16-A-NO Part number: 1254044



Data sheet

Stroke per gripper jaw5 mmMax. interchangeability0.2 mmMax. gripper jaw angular play ax, ay0.5 degMax. gripper jaw backlash Sz0.02 mmRotational symmetry0.2 mmPneumatic gripper repetition accuracy0.02 mmNumber of gripper jaws2Mounting positionAnyMode of operationDouble-actingGripper functionParallelGripper functionOn openingStructural designLever Positively driven motion sequenceGuideStilding guidePosition sensingFor proximity sensorOperating frequency of pneumatic gripper3 HzMin. closing time at 6 bar32 msMin. closing time at 6 bar50 msMax. mas per external gripper finger150 gOperation on operating and pilot mediaOperation sensingOperation gripper150 gCorrosion resistance class (CRC)1 - Low corrosion stressLABS (PWIS) conformityVDMA24364-82-1.Suitability for the production of Li-ion batteriesException are printed circuit boards, cables, electrical connectors and coilsAmbient temperature5 °C60 °CMass moment of inertia0.472 kgcm²	Feature	Value
Max. interchangeability 0.2 mm Max. gripper jaw angular play ax, ay 0.5 deg Max. gripper jaw backlash 5z 0.02 mm Rotational symmetry 0.2 mm Pneumatic gripper repetition accuracy 0.02 mm Number of gripper jaws 2 Mounting position Any Mode of operation Double-acting Gripper function Parallel Gripper force backup On opening Structural design Ever Positively driven motion sequence Guide Stiding guide For proximity sensor Operating frequency of pneumatic gripper 3 Hz Min. opening time at 6 bar 30 ms Min. closing time at 6 bar 50 ms Max. mass per external gripper finger 150 g 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 Ketals with more than 5% by mass of copper are excluded from use. Exception	Size	16
Max. gripper jaw angular play ax, ay 0.5 deg Max. gripper jaw backlash Sz 0.02 mm Rotational symmetry 0.2 mm Pneumatic gripper repetition accuracy 0.02 mm Number of gripper jaws 2 Mounting position Any Mounting position Any Mode of operation Double-acting Gripper function Parallel Gripping force backup On opening Structural design Desitively driven motion sequence Stiding guide Sliding guide Position sensing For proximity sensor Operating frequency of pneumatic gripper 3 Hz Min. opening time at 6 bar 30 ms Max. mass per external gripper finger 150 g Operating medium Compressed air as per ISO 8573-1:2010[7:4:4] Information on operating and pilot media Operation with oil Ubrication possible (required for further use) Carrosion resistance class (CRC) 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364-82-L Suitability for the production of Li-ion batteries Ketals with more than 5% by mass of copper are excluded from use. Exception are printed circuit boards, cables, el	Stroke per gripper jaw	5 mm
Max. gripper jaw backlash Sz 0.02 mm Rotational symmetry 0.2 mm Pneumatic gripper repetition accuracy 0.02 mm Number of gripper jaws 2 Mounting position Any Mode of operation Double-acting Gripper function Parallel Gripping force backup On opening Structural design Lever Position sensing For proximity sensor Operating pressure 0.4 MPa0.8 MPa A bar8 bar Sa psi116 psi Max. mass per external gripper finger 3 Hz Min. closing time at 6 bar S0 ms Max. mass per external gripper finger 150 g Operating medium Operation sensing in politomedia Operating medium Compressed air as per ISO 8573-11:2010 [7:4:4] Information on operating and pilot media Operation sensing line class (CRC) LASS (PWIG) 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	Max. interchangeability	0.2 mm
Rotational symmetry 0.2 mm Pneumatic gripper repetition accuracy 0.02 mm Number of gripper jaws 2 Mounting position Any Mode of operation Double-acting Gripper function Parallel Gripping force backup On opening Structural design Lever Position sensing For proximity sensor Operating pressure 0.4 MPa0.8 MPa A bar8 bar Sa psi116 psi Max. operating frequency of pneumatic gripper 3 Hz Min. opening time at 6 bar 32 ms Min. closing time at 6 bar 50 ms Max. mass per external gripper finger 150 g Operating medium Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364-82-1 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	Max. gripper jaw angular play ax, ay	0.5 deg
Pneumatic gripper repetition accuracy 0.02 mm Number of gripper jaws 2 Mounting position Any Mode of operation Double-acting Gripper function Parallel Gripper function On opening Structural design Lever Positively driven motion sequence Sliding guide Position sensing For proximity sensor Operating pressure 0.4 MPa0.8 MPa 4 barr8 bar 58 psi116 psi Max. operating frequency of pneumatic gripper 3 Hz Min. opening time at 6 bar 32 ms Min. colsing time at 6 bar 50 ms Max. mass per external gripper finger 150 g 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 colis Ambient temperature 5 °C60 °C Mass m	Max. gripper jaw backlash Sz	0.02 mm
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Mounting position Any Mounting position Double-acting Gripper function Parallel Gripping force backup On opening Structural design Lever Positively driven motion sequence Sliding guide Position sensing For proximity sensor Operating pressure 0.4 MPa0.8 MPa 4 bar8 bar 58 psl116 psi Max. operating frequency of pneumatic gripper 3 Hz Min. opening time at 6 bar 50 ms Max. mass per external gripper finger 150 g 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 °C60 °C Mass moment of inertia 0.472 kgcm ²	Pneumatic gripper repetition accuracy	0.02 mm
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Positively driven motion sequenceGuideSliding guidePosition sensingFor proximity sensorOperating pressure0.4 MPa0.8 MPa 4 bar8 bar 58 psi116 psiMax. operating frequency of pneumatic gripper3 HzMin. opening time at 6 bar32 msMin. closing time at 6 bar50 msMax. mass per external gripper finger150 gOperating mediumCompressed air as per ISO 8573-1:2010[7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressLABS (PWIS) conformityVDMA24364-B2-LSuitability for the production of Li-ion batteriesMetals with more than 5% by mass of copper are excluded from use. Exception are printed circuit boards, cables, electrical connectors and coilsAmbient temperature5 °C60 °CMass moment of inertia0.472 kgcm²	Gripping force backup	On opening
Position sensingFor proximity sensorOperating pressure0.4 MPa0.8 MPa 4 bar8 bar 58 psi116 psiMax. operating frequency of pneumatic gripper3 HzMin. opening time at 6 bar32 msMin. closing time at 6 bar50 msMax. mass per external gripper finger150 gOperating mediumCompressed air as per ISO 8573-1:2010[7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressLABS (PWIS) conformityVDMA24364-B2-LSuitability for the production of Li-ion batteriesMetals with more than 5% by mass of copper are excluded from use. Exception are printed circuit boards, cables, electrical connectors and coilsAmbient temperature5 °C60 °CMass moment of inertia0.472 kgcm²	Structural design	
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Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressLABS (PWIS) conformityVDMA24364-B2-LSuitability for the production of Li-ion batteriesMetals with more than 5% by mass of copper are excluded from use. Exception are printed circuit boards, cables, electrical connectors and coilsAmbient temperature5 °C60 °CMass moment of inertia0.472 kgcm²	Min. closing time at 6 bar	50 ms
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Exception are printed circuit boards, cables, electrical connectors and coilsAmbient temperature5 °C60 °CMass moment of inertia0.472 kgcm²	LABS (PWIS) conformity	VDMA24364-B2-L
Mass moment of inertia 0.472 kgcm ²	Suitability for the production of Li-ion batteries	Exception are printed circuit boards, cables, electrical connectors and
	Ambient temperature	5 °C60 °C
Maximum force on gripper jaw Fz, static 150 N	Mass moment of inertia	0.472 kgcm ²
	Maximum force on gripper jaw Fz, static	150 N

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Feature	Value
Maximum torque on gripper jaw, Mx static	8 Nm
Maximum torque on gripper jaw, My static	8 Nm
Maximum torque on gripper jaw, Mz static	8 Nm
Relubrication interval for guidance elements	10 MioCyc
Product weight	188 g
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 stainless steel