Parallel gripper DHPC-40-A-NO-S Part number: 8116900







Data sheet

Stroke per gripper jaw Max. interchangeability 0.2 mm Max. gripper jaw angular play ax, ay 0 deg Max. gripper jaw backlash Sz 0 mm Rotational symmetry O.2 mm Member of gripper repetition accuracy Nounting position Mode of operation Single-acting Open Structural design Connection direction at side Lever Standard mounting type for gripper fingers Positively driven motion sequence Suide Ball guide Ball guide Position sensing For proximity sensor Siripping force per gripper jaw at 6 bar, closing Operating pressure 0.25 MPa0.8 MPa 2.5 bar8 bar 36.25 psi116 psi Max. operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Compression sersiss Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Compression sersiss Compression sersiss Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Compression sersiss Compression sersiss Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Compression sersiss Compression sersiss Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operation resistance class (CRC) O - No corrosion stress ABS (PWIS) conformity VDMA24364-82-L	Feature	Value
Max. Interchangeability Max. gripper jaw angular play ax, ay O deg Max. gripper jaw backlash 5z O mm Oz mgripper datige Oz oz mm Oz mgripper datige Oz oz mm Oz mm Oz mgripper datige Oz oz mm Oz	Size	40
Max. gripper jaw angular play ax, ay Max. gripper jaw backlash 5z O mm Octotational symmetry Oneumatic gripper repetition accuracy Oneumatic gripper repetition accuracy Octotational symmetry Oneumatic gripper repetition accuracy Octotational symmetry Oneumatic gripper repetition accuracy Octotation gripper jaws Octotation gripper jaw at 6 par, closing Octotation gripper function Parallel Or opening Connection direction at side Lever Standard mounting type for gripper fingers Positively driven motion sequence Suide Ball guide Octotation sensing For proximity sensor Gripping force per gripper jaw at 6 bar, closing Operating pressure Octotation gripper gripper jaw at 6 bar, closing Octotation gripper gripper jaw at 6 bar and society gripper Octotation gripper gripper gripper gripper gripper Octotation gripper g	Stroke per gripper jaw	15 mm
Aux. gripper jaw backlash 52 Rotational symmetry	Max. interchangeability	0.2 mm
Retational symmetry Renumatic gripper repetition accuracy Renumatic gripper jaws Renumatic Ren	Max. gripper jaw angular play ax, ay	0 deg
Actuator system Actuator system Any Mounting position Any Mode of operation Siripper function Parallel On opening Structural design Connection direction at side Lever Standard mounting type for gripper fingers Positively driven motion sequence Ball guide Position sensing For proximity sensor Siripping force per gripper jaw at 6 bar, closing Siripping force per gripper jaw at 6 bar, closing Max. operating frequency of pneumatic gripper Min. opening time at 6 bar Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation yestisches Operation yestisches Operation resistance class (CRC) O No corrosion stress VDMAA24364-B2-L	Max. gripper jaw backlash Sz	0 mm
Autuber of gripper jaws Actuator system Penumatic Any Mode of operation Single-acting Open Open Sripper function Parallel Sripping force backup On opening Connection direction at side Lever Standard mounting type for gripper fingers Positively driven motion sequence Ball guide Position sensing For proximity sensor Sripping force per gripper jaw at 6 bar, closing Again pressure O.25 MPa0.8 MPa 2.5 bar8 bar 36.25 psi116 psi Min. opening time at 6 bar Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation resistance class (CRC) O - No corrosion stress VDMA24364-B2-L	Rotational symmetry	0.2 mm
Actuator system Mounting position Any Mode of operation Single-acting Open Parallel On opening Structural design Connection direction at side Lever Standard mounting type for gripper fingers Positively driven motion sequence Ball guide Position sensing For proximity sensor Gripping force per gripper jaw at 6 bar, closing Onerating pressure Onerating pressure Onerating frequency of pneumatic gripper I Hz Min. opening time at 6 bar Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operations resistance class (CRC) O - No corrosion stress VDMA24364-B2-L	Pneumatic gripper repetition accuracy	0.02 mm
Mounting position Any Single-acting Open Parallel Gripper function Structural design Structural design Structural design Connection direction at side Lever Standard mounting type for gripper fingers Positively driven motion sequence Ball guide Position sensing For proximity sensor Gripping force per gripper jaw at 6 bar, closing Operating pressure Operating pressure Outperating frequency of pneumatic gripper 1 Hz Min. opening time at 6 bar Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation resistance class (CRC) O No corrosion stress VDMA24364-B2-L	Number of gripper jaws	2
Single-acting Open Single-acting Open Parallel Gripping force backup On opening Connection direction at side Lever Standard mounting type for gripper fingers Positively driven motion sequence Ball guide Position sensing For proximity sensor Gripping force per gripper jaw at 6 bar, closing Operating pressure Operating pressure Outs MPa0.8 MPa0.8 MPa0.8 MPa0.25 bar8 bar36.25 psi116 psi Max. operating frequency of pneumatic gripper I Hz Min. opening time at 6 bar Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operation resistance class (CRC) O - No corrosion stress ABS (PWIS) conformity VDMA24364-B2-L	Actuator system	Pneumatic
Open Gripper function Parallel Gripping force backup On opening Connection direction at side Lever Standard mounting type for gripper fingers Positively driven motion sequence Ball guide Position sensing For proximity sensor Gripping force per gripper jaw at 6 bar, closing Operating pressure Ozer Max. operating frequency of pneumatic gripper I Hz Min. opening time at 6 bar Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operation resistance class (CRC) O No corrosion stress ABS (PWIS) conformity VDMA24364-B2-L	Mounting position	Any
Structural design Connection direction at side Lever Standard mounting type for gripper fingers Positively driven motion sequence Ball guide Position sensing For proximity sensor Gripping force per gripper jaw at 6 bar, closing For proximity sensor Gripping force per gripper jaw at 6 bar, closing Operating pressure O.25 MPa0.8 MPa 2.5 bar8 bar 36.25 psi116 psi Max. operating frequency of pneumatic gripper I Hz Min. opening time at 6 bar Min. closing time at 6 bar Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operation on operating and pilot media Operation with oil lubrication possible (required for further use) Orrosion resistance class (CRC) O - No corrosion stress VDMA24364-B2-L	Mode of operation	
Connection direction at side Lever Standard mounting type for gripper fingers Positively driven motion sequence Ball guide Position sensing For proximity sensor For proximity s	Gripper function	Parallel
Lever Standard mounting type for gripper fingers Positively driven motion sequence Ball guide Position sensing For proximity sensor Gripping force per gripper jaw at 6 bar, closing 675 N 337.5 N Operating pressure 0.25 MPa0.8 MPa 2.5 bar8 bar 36.25 psi116 psi Max. operating frequency of pneumatic gripper 1 Hz Min. opening time at 6 bar 300 ms Min. closing time at 6 bar 67 ms Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Corrosion resistance class (CRC) 0 - No corrosion stress CMAS (PWIS) conformity VDMA24364-B2-L	Gripping force backup	On opening
Position sensing For proximity sensor Gripping force per gripper jaw at 6 bar, closing 675 N 337.5 N Operating pressure 0.25 MPa0.8 MPa 2.5 bar8 bar 36.25 psi116 psi Max. operating frequency of pneumatic gripper 1 Hz Min. opening time at 6 bar 300 ms Min. closing time at 6 bar 67 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) 0 - No corrosion stress ABS (PWIS) conformity VDMA24364-B2-L	Structural design	Lever Standard mounting type for gripper fingers
Gripping force per gripper jaw at 6 bar, closing 675 N 337.5 N Operating pressure 0.25 MPa0.8 MPa 2.5 bar8 bar 36.25 psi116 psi Max. operating frequency of pneumatic gripper 1 Hz Min. opening time at 6 bar 300 ms Min. closing time at 6 bar 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) O - No corrosion stress VDMA24364-B2-L	Guide	Ball guide
337.5 N Operating pressure O.25 MPa0.8 MPa 2.5 bar8 bar 36.25 psi116 psi Max. operating frequency of pneumatic gripper 1 Hz Min. opening time at 6 bar 300 ms Min. closing time at 6 bar 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) Orrosion resistance class (CRC) O - No corrosion stress VDMA24364-B2-L	Position sensing	For proximity sensor
2.5 bar8 bar 36.25 psi116 psi Max. operating frequency of pneumatic gripper 1 Hz Min. opening time at 6 bar 300 ms Min. closing time at 6 bar 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) Orrosion resistance class (CRC) O - No corrosion stress VDMA24364-B2-L	Gripping force per gripper jaw at 6 bar, closing	
Min. opening time at 6 bar Min. closing time at 6 bar Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operation on operating and pilot media Operation with oil lubrication possible (required for further use) Orrosion resistance class (CRC) O - No corrosion stress VDMA24364-B2-L	Operating pressure	2.5 bar8 bar
Min. closing time at 6 bar Departing medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Departing medium Operation with oil lubrication possible (required for further use) Orrosion resistance class (CRC) O - No corrosion stress VDMA24364-B2-L	Max. operating frequency of pneumatic gripper	1 Hz
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) O - No corrosion stress VDMA24364-B2-L	Min. opening time at 6 bar	300 ms
nformation on operating and pilot media Operation with oil lubrication possible (required for further use) Orrosion resistance class (CRC) O - No corrosion stress VDMA24364-B2-L	Min. closing time at 6 bar	67 ms
Corrosion resistance class (CRC) O - No corrosion stress VDMA24364-B2-L	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
ABS (PWIS) conformity VDMA24364-B2-L	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
· · · · · ·	Corrosion resistance class (CRC)	0 - No corrosion stress
Ambient temperature -10 °C60 °C	LABS (PWIS) conformity	VDMA24364-B2-L
	Ambient temperature	-10 °C60 °C

Feature	Value
Mass moment of inertia	15.31 kgcm ²
Maximum force on gripper jaw Fz, static	245 N
Maximum torque on gripper jaw, Mx static	2.3 Nm
Maximum torque on gripper jaw, My static	4.5 Nm
Maximum torque on gripper jaw, Mz static	2.3 Nm
Product weight	1469 g
Type of mounting	Optionally: Direct mounting via through-hole Direct fastening via thread On mounting frame With through-hole and dowel pin With internal thread and dowel pin
Pneumatic connection	M5
Note on materials	RoHS-compliant
Housing material	Aluminum, anodized
Gripper jaw material	High-alloy stainless steel