Parallel gripper DHPC-32-A-NO-S-1 Part number: 8116888







Data sheet

Stroke per gripper jaw Aax. interchangeability O.2 mm Aax. gripper jaw angular play ax, ay O deg Aax. gripper jaw backlash Sz O mm Stotational symmetry O.2 mm Anumber of gripper repetition accuracy O.00 mm Anumber of gripper paws 2 Actuator system Pneumatic gripper genetition Any Andoe of operation Single-acting Open Open Structural design Connection direction at side Lever Side mounting type for gripper fingers Positively driven motion sequence Suide Ball guide Ball guide Ball guide Ball guide Postition sensing For proximity sensor Aff. 2 N 207.6 N Operating pressure O.25 MPa0.8 MPa 2.5 bar8 bar 36.25 psi116 psi Aax. operating frequency of pneumatic gripper 1 Hz Ain. opening medium Compressed air as per ISO 8573-1;2010 [7:4:4] Operating medium Compression sersies Operation pression sersies Operation prestine class (CRC) O No corrosion stress ABS (PWIS) conformity VDMA424364-82-L	Feature	Value
Alax. Interchangeability Alax. gripper jaw angular play ax, ay O deg Alax. gripper jaw backlash 5z O mm O 2 mm O 3 mm O 4 mm O 5 mm O 5 mm O 6 mm O 7 mm O 8 mm O 9 mm O	Size	32
Alax, gripper jaw angular play ax, ay Alax, gripper jaw backlash 5z O mm Octotational symmetry Oneumatic gripper repetition accuracy Oneumatic gripper repetition accuracy Oneumatic gripper jaws 2 Accutator system Anu Anu Anu Anu Anu Anu Anu An	Stroke per gripper jaw	11 mm
Aux. gripper jaw backlash 52 O mm Octational symmetry O.2 mm Octational symmetry O.2 mm Author of gripper repetition accuracy Accutator system Pneumatic Any Mounting position Any Single-acting Open Open Sripper function Parallel Connection direction at side Lever Side 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 Apperating pressure O.25 MPa0.8 MPa 2.5 bar8 bar 36.25 psi116 psi Alax. operating frequency of pneumatic gripper I Hz Alin. opening time at 6 bar Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating nedium Compression resistance class (CRC) O No corrosion stress ABS (PWIS) conformity VDMA24364-B2-L	Max. interchangeability	0.2 mm
Actational symmetry Precumatic gripper repetition accuracy Jumber of gripper jaws 2 Precumatic Any Any Any Any Any Andoe of operation Any Parallel Principor force per gripper jaw at 6 bar, closing Joperating pressure Any Any Any Any Connection direction at side Lever Side mounting type for gripper fingers Positively driven motion sequence Ball guide Position sensing For proximity sensor Arise, and Any Any Any Any Any Any Any A	Max. gripper jaw angular play ax, ay	0 deg
Actuator system Anumatic gripper jaws Actuator system Anumatic gripper jaws Anumatic gripper function Any Single-acting Open Open Open Structural design Connection direction at side Lever Side mounting type for gripper fingers Positively driven motion sequence Ball guide Ball guide Ball guide For proximity sensor Siripping force per gripper jaw at 6 bar, closing Anax. operating pressure Anax. operating frequency of pneumatic gripper Anin. opening time at 6 bar Anin. closing time at 6 bar Anin. clo	Max. gripper jaw backlash Sz	0 mm
Aumber of gripper jaws Actuator system Any Any Any Any Single-acting Open Open Gripper function Farallel Gripping force backup On opening Gructural design Connection direction at side Lever Side mounting type for gripper fingers Positively driven motion sequence Ball guide Ball guide Position sensing For proximity sensor Gripping force per gripper jaw at 6 bar, closing Anax. operating pressure Anax. operating frequency of pneumatic gripper 1 Hz Anax. operating frequency of pneumatic gripper 1 Hz Anin. closing time at 6 bar Apperating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation visit on stress ABS (PWIS) conformity VDMA24364-B2-L	Rotational symmetry	0.2 mm
Any Mode of operation Single-acting Open Parallel Monopening Connection direction at side Lever Side mounting type for gripper fingers Positively driven motion sequence Ball guide Position sensing For proximity sensor At 5.2 N 207.6 N Departing pressure Departing pressure Departing pressure Max. operating frequency of pneumatic gripper Max. operating frequency of pneumatic gripper Mode of operating medium Mode of operating and pilot media Mode of operation with oil lubrication possible (required for further use) Mode of operation with oil lubrication possible (required for further use) Mode of operation with oil lubrication possible (required for further use) Mode of operation with oil lubrication possible (required for further use) Mode of operation with oil lubrication possible (required for further use) Mode of operation with oil lubrication possible (required for further use) Mode of operation with oil lubrication possible (required for further use) Mode of operation with oil lubrication possible (required for further use) Mode of operation with oil lubrication possible (required for further use) Mode of operation with oil lubrication possible (required for further use) Mode of operation with oil lubrication possible (required for further use) Mode of operation with oil lubrication possible (required for further use) Mode of operation with oil lubrication possible (required for further use) Mode of operation with oil lubrication possible (required for further use) Mode of operation with oil lubrication possible (required for further use) Mode of operation with oil lubrication possible (required for further use) Mode of operation with oil lubrication possible (required for further use) Mode of operation with oil lubrication possible (required for further use) Mode of operation with oil lubrication possible (Pneumatic gripper repetition accuracy	0.02 mm
Any Mode of operation Any Mode of operation Single-acting Open Parallel Connection direction at side Lever Side 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 Operating frequency of pneumatic gripper 1 Hz Ain. opening time at 6 bar Ain. 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 ABS (PWIS) conformity 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 Side 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 Alax. 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] Information on operating and pilot media Operation yensom trees OPERATOR OPE	Actuator system	Pneumatic
Open Parallel On opening Connection direction at side Lever Side mounting type for gripper fingers Positively driven motion sequence Ball guide Position sensing For proximity sensor Als. 2 N 207.6 N Operating pressure O.25 MPa0.8 MPa 2.5 bar8 bar 36.25 psi116 psi Alax. operating frequency of pneumatic gripper 1 Hz Ain. opening time at 6 bar 76 ms 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
Connection direction at side Lever Side mounting type for gripper fingers Positively driven motion sequence Ball guide Position sensing For proximity sensor Also, 2 perating pressure Alin. closing time at 6 bar Alin. closin	Mode of operation	
Connection direction at side Lever Side mounting type for gripper fingers Positively driven motion sequence Ball guide Position sensing For proximity sensor A15.2 N 207.6 N Deparating pressure O.25 MPa0.8 MPa 2.5 bar8 bar 36.25 psi116 psi Aax. operating frequency of pneumatic gripper 1 Hz Ain. opening time at 6 bar Ain. closing time at 6 bar Ain. closing time at 6 bar Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) O - No corrosion stress ABS (PWIS) conformity VDMA24364-B2-L	Gripper function	Parallel
Lever Side mounting type for gripper fingers Positively driven motion sequence Ball guide Position sensing For proximity sensor 415.2 N 207.6 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 76 ms 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) Corrosion resistance class (CRC) O - No corrosion stress ABS (PWIS) conformity VDMA24364-B2-L	Gripping force backup	On opening
For proximity sensor For proximity sensor 415.2 N 207.6 N Operating pressure Operating frequency of pneumatic gripper 1 Hz Min. opening time at 6 bar Max. operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Corrosion resistance class (CRC) Operating proximity sensor 415.2 N 207.6 N 0.25 MPa0.8 MPa 2.5 bar8 bar 36.25 psi116 psi 1 Hz 174 ms 76 ms Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operation with oil lubrication possible (required for further use) Operation resistance class (CRC) O - No corrosion stress VDMA24364-B2-L	Structural design	Lever Side mounting type for gripper fingers
At 15.2 N 207.6 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 76 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) Orrosion resistance class (CRC) O- No corrosion stress VDMA24364-B2-L	Guide	Ball guide
207.6 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 76 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) 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 76 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) O - No corrosion stress VDMA24364-B2-L	Gripping force per gripper jaw at 6 bar, closing	
Min. opening time at 6 bar 76 ms Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) O- No corrosion stress VDMA24364-B2-L	Operating pressure	2.5 bar8 bar
Afin. closing time at 6 bar 76 ms Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Corrosion 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] Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) O - No corrosion stress VDMA24364-B2-L	Min. opening time at 6 bar	174 ms
onformation 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	76 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	5.76 kgcm ²
Maximum force on gripper jaw Fz, static	171.5 N
Maximum torque on gripper jaw, Mx static	1.5 Nm
Maximum torque on gripper jaw, My static	3 Nm
Maximum torque on gripper jaw, Mz static	1.5 Nm
Product weight	831 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