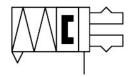
Parallel gripper DHPC-...-32-A-Part number: 8116733







Data sheet

Overall data sheet – Individual values depend upon your configuration.

General operating condition

Stroke per gripper jaw Max. interchangeability 0.2 mm Max. gripper jaw angular play ax, ay 0 deg Max. gripper jaw backlash 52 0 mm Rotational symmetry so.2 mm Pneumatic gripper repetition accuracy so.02 mm Number of gripper jaws 2 Actuator system Pneumatic Mounting position Any Mode of operation Single-acting Closed Open Gripping force backup Without Pstructural design Positively driven motion sequence Gripping force backup Structural design Positively driven motion sequence Symbol 00991384 00997349 Symbol 00991384 00997349 Variants Metals with copper, zinc or nickel by mass as main constituent are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connector and colls. 01 MPa. 0.8 MPa 04 Derating pressure 0.1 MPa. 0.8 MPa 05 million gripper finger 1 har 8 bar 06 perating frequency of pneumatic gripper 1 har 8 bar 07 million gripper sure 1 har 174 ms 114 ms 174 ms 115 ms 107 ms 116 ms 107 ms 116 mc. compressed air as per ISO 8573-1:2010 [7:4:4] 116 mr. more on perating gripper finger 280 g 116 Compressed air as per ISO 8573-1:2010 [7:4:4] 116 mr. more on perating and pilot media 00 operating medium 00 operating medium 00 operation gripper sures on compressed air as per ISO 8573-1:2010 [7:4:4] 116 mr. more on operating and pilot media 00 operation motion operating and pilot media 00 operation medium 00 operation gressure 00 on No corrosion stress	Feature	Value
Max. interchangeability Max. gripper jaw angular play ax, ay 0 deg 0 mm Rotational symmetry Preumatic gripper repetition accuracy Number of gripper jaws 2 Actuator system Pneumatic Mounting position Mode of operation Double-acting Single- acting Closed Open Gripping force backup Structural design Goide Ball guide Positively driven motion sequence Guide Ball guide Positively driven motion sequence Symbol Oo991394 Oo997348 Oo997349 Oo997348 Oo997349 Oo997349 Oo997349 Oo997349 Oo997349 Oo997349 Ooperating pressure O.1 MPa 0.8 MPa Max. as bar Dierating pressure 1 bar 8 bar Dierating pressure 1 bar 8 bar Dierating pressure 1 bar 8 bar Max. operating frequency of pneumatic gripper 1 Hz Min. opening time at 6 bar Max. mass per external gripper finger Ooperating medium Corrosion resistance class (CRC) O - No corrosion stress	Size	32
Max. gripper jaw angular play ax, ay Max. gripper jaw backlash Sz Omm Rotational symmetry so.2 mm Number of gripper jaws Actuator system Mounting position Mouting position Mode of operation Gripper function Gripper function Gripping force backup Structural design For proximity sensor Symbol Oop91884 Oop97348 Oop97348 Oop97348 Oop97348 Oop97348 Oop97349 Variants Metals with copper, zinc or nickel by mass as main constituent are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connector and coils. Operating pressure Operating pressure Operating pressure 14.5 psi 116 psi Max. operating frequency of pneumatic gripper 1 Hz Min. opening time at 6 bar Max. mass per external gripper finger 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	Stroke per gripper jaw	11 mm
Max. gripper jaw backlash Sz Rotational symmetry \$0.2 mm Pheumatic gripper repetition accuracy Number of gripper jaws Actuator system Mounting position Mode of operation Single-acting Closed Open Gripper function Parallel Gripping force backup Structural design Ball guide Position sensing For proximity sensor Symbol Openating Without Structural design Ball guide Position sensing For proximity sensor Symbol Openating pressure Openating pressure Operating pressure Operating pressure Operating pressure 1.4.5 psi 116 psi Max. operating frequency of pneumatic gripper Min. opening time at 6 bar Max. mass per external gripper finger Operation resistance class (CRC) Operation resistance class (CRC) Operation myth oil lubrication possible (required for further use) Corrosion resistance class (CRC) Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC)	Max. interchangeability	0.2 mm
Rotational symmetry so. 2 mm Pneumatic gripper repetition accuracy so. 0.2 mm Number of gripper jaws 2 Actuator system Pneumatic Mounting position Any Mode of operation Double-acting Single-acting Closed Open Gripper function Parallel Gripping force backup Without Structural design Positively driven motion sequence Ball guide Positively driven motion sequence Symbol O0991894 O0997348 O0997348 Variants Metals with copper, zinc or nickel by mass as main constituent are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connector and coils. Operating pressure O.1 MPa 0.8 MPa Operating pressure 1 bar 8 bar Operating pressure 1 14.5 psi 116 psi Max. operating frequency of pneumatic gripper 1 Hz Min. opening time at 6 bar 14 ms 174 ms Min. closing time at 6 bar 55 ms 107 ms Max. mass per external gripper finger 280 g Operation resistance class (CRC) O - No corrosion stress	Max. gripper jaw angular play ax, ay	0 deg
Pneumatic gripper repetition accuracy Number of gripper jaws 2 Actuator system Pneumatic Mounting position Any Mode of operation Double-acting Single-acting Closed Open Gripper function Parallel Gripping force backup Without Structural design Positively driven motion sequence Guide Ball guide Position sensing For proximity sensor Symbol O0997348 O0997348 O0997349 Variants Metals with copper, zinc or nickel by mass as main constituent are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connector and coils. Operating pressure Operating pressure 1 bar 8 bar Operating frequency of pneumatic gripper 1 Hz Min. opening time at 6 bar Max. mass per external gripper finger Operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) O - No corrosion stress	Max. gripper jaw backlash Sz	0 mm
Number of gripper jaws Actuator system Pneumatic Mounting position Any Double-acting Single-acting Closed Open Gripper function Siringle-acting Closed Open Gripping force backup Without Structural design Positively driven motion sequence Guide Ball guide Position sensing For proximity sensor Symbol Oo991894 Oo997348 Oo997349 Variants Wetals with copper, zinc or nickel by mass as main constituent are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connector and coils. Operating pressure Operating pressure 1 bar 8 bar Operating pressure 1 the man of the	Rotational symmetry	≤0.2 mm
Actuator system Mounting position Mode of operation Single-acting Closed Open Parallel Gripper function Parallel Gripping force backup Without Structural design Positively driven motion sequence Ball guide Position sensing For proximity sensor Symbol Mosparsaka Metals with copper, zinc or nickel by mass as main constituent are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connector and coils. Deparating pressure Deparating pressure Deparating pressure Deparating frequency of pneumatic gripper 1 Hz Min. opening time at 6 bar Min. closing time at 6 bar Min. closing time at 6 bar Min. closing time at 6 bar Max. mass per external gripper finger Deparating 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	Pneumatic gripper repetition accuracy	≤0.02 mm
Mounting position Mode of operation Mode of operation Double-acting Single-acting Closed Open Gripper function Gripper function Parallel Gripping force backup Without Structural design Positively driven motion sequence Ball guide Position sensing For proximity sensor Operating sensor Metals with copper, zinc or nickel by mass as main constituent are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connector and coils. Operating pressure Operating pressure Operating pressure 1 bar 8 bar Operating pressure 1 bar 8 bar Operating frequency of pneumatic gripper 1 Hz Min. opening time at 6 bar Min. opening time at 6 bar Max. mass per external gripper finger 280 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) O - No corrosion stress	Number of gripper jaws	2
Double-acting Single-acting Closed Open Gripper function Parallel Gripping force backup Without Structural design Positively driven motion sequence Guide Ball guide Position sensing For proximity sensor Symbol Oo991894 Oo997348 Oo997348 Oo997349 Variants Wetals with copper, zinc or nickel by mass as main constituent are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connector and coils. Operating pressure Operating pressure 1 bar 8 bar Operating pressure 1 14.5 psi 116 psi Max. operating frequency of pneumatic gripper 1 Hz Min. opening time at 6 bar Min. opening time at 6 bar Min. closing time at 6 bar Max. mass per external gripper finger 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	Actuator system	Pneumatic
Single-acting Closed Open Gripper function Parallel Gripping force backup Without Structural design Positively driven motion sequence Guide Ball guide Position sensing For proximity sensor Symbol O099184 O0997348 O0997349 Variants Metals with copper, zinc or nickel by mass as main constituent are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connector and coils. Operating pressure O.1 MPa 0.8 MPa Operating pressure 1 bar 8 bar Operating pressure 1.4.5 psi 116 psi Max. operating frequency of pneumatic gripper 1 Hz Min. opening time at 6 bar 114 ms 174 ms Min. closing time at 6 bar 55 ms 107 ms Max. mass per external gripper finger 280 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) O · No corrosion stress	Mounting position	Any
Gripping force backup Structural design Positively driven motion sequence Ball guide Position sensing For proximity sensor Symbol O0991894 O0997348 O0997349 Variants Wetals with copper, zinc or nickel by mass as main constituent are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connector and coils. Operating pressure O1 MPa 0.8 MPa Operating pressure 1 bar 8 bar Operating pressure 14.5 psi 116 psi Max. operating frequency of pneumatic gripper 1 Hz Min. opening time at 6 bar 114 ms 174 ms Min. closing time at 6 bar 55 ms 107 ms Max. mass per external gripper finger 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)	Mode of operation	Single-acting Closed
Structural design Positively driven motion sequence Ball guide Position sensing For proximity sensor O0991894 O0997348 O0997349 Variants Wetals with copper, zinc or nickel by mass as main constituent are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connector and coils. Operating pressure O1 MPa 0.8 MPa Operating pressure 1 bar 8 bar Operating pressure 14.5 psi 116 psi Max. operating frequency of pneumatic gripper 1 Hz Min. opening time at 6 bar 114 ms 174 ms Min. closing time at 6 bar 55 ms 107 ms Max. mass per external gripper finger 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	Gripper function	Parallel
Ball guide Position sensing For proximity sensor O0991894 O0997348 O0997349 Variants Metals with copper, zinc or nickel by mass as main constituent are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connector and coils. Operating pressure Operating pressure 1 bar 8 bar Operating pressure 1 4.5 psi 116 psi Max. operating frequency of pneumatic gripper 1 Hz Min. closing time at 6 bar Min. closing time at 6 bar Max. mass per external gripper finger 280 g Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation stress	Gripping force backup	Without
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Symbol O0991894 O0997348 O0997349 Variants Metals with copper, zinc or nickel by mass as main constituent are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connector and coils. Operating pressure O1.1 MPa 0.8 MPa Operating pressure 1 bar 8 bar Operating pressure 14.5 psi 116 psi Max. operating frequency of pneumatic gripper 1 Hz Min. opening time at 6 bar 114 ms 174 ms Min. closing time at 6 bar 55 ms 107 ms Max. mass per external gripper finger 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)	Guide	Ball guide
O0997348 O0997349 Variants Metals with copper, zinc or nickel by mass as main constituent are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connector and coils. Operating pressure O.1 MPa 0.8 MPa Operating pressure 1 bar 8 bar Operating pressure 14.5 psi 116 psi Max. operating frequency of pneumatic gripper 1 Hz Min. opening time at 6 bar 114 ms 174 ms Min. closing time at 6 bar 55 ms 107 ms Max. mass per external gripper finger 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	Position sensing	For proximity sensor
excluded from use. Exceptions are nickel in steel, chemically nickel- plated surfaces, printed circuit boards, cables, electrical plug connector and coils. Operating pressure Operating pressure 1 bar 8 bar Operating pressure 14.5 psi 116 psi Max. operating frequency of pneumatic gripper 1 Hz Min. opening time at 6 bar 114 ms 174 ms Min. closing time at 6 bar 55 ms 107 ms Max. mass per external gripper finger 280 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) O - No corrosion stress	Symbol	00997348
Operating pressure 1 bar 8 bar Operating pressure 14.5 psi 116 psi Max. operating frequency of pneumatic gripper 1 Hz Min. opening time at 6 bar 114 ms 174 ms Min. closing time at 6 bar 55 ms 107 ms Max. mass per external gripper finger 280 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) 0 - No corrosion stress	Variants	excluded from use. Exceptions are nickel in steel, chemically nickel- plated surfaces, printed circuit boards, cables, electrical plug connectors
Operating pressure 14.5 psi 116 psi Max. operating frequency of pneumatic gripper 1 Hz Min. opening time at 6 bar 114 ms 174 ms Min. closing time at 6 bar 55 ms 107 ms Max. mass per external gripper finger 280 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) O - No corrosion stress	Operating pressure	0.1 MPa 0.8 MPa
Max. operating frequency of pneumatic gripper Min. opening time at 6 bar Min. closing time at 6 bar Min. closing time at 6 bar Max. mass per external gripper finger Max. mass per external gripper finger 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	Operating pressure	1 bar 8 bar
Min. opening time at 6 bar 114 ms 174 ms Min. closing time at 6 bar 55 ms 107 ms Max. mass per external gripper finger 280 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) 0 - No corrosion stress	Operating pressure	14.5 psi 116 psi
Min. closing time at 6 bar Max. mass per external gripper finger 280 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) 0 - No corrosion stress	Max. operating frequency of pneumatic gripper	1 Hz
Max. mass per external gripper finger 280 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) 0 - No corrosion stress	Min. opening time at 6 bar	114 ms 174 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	Min. closing time at 6 bar	55 ms 107 ms
Information on operating and pilot media Operation with oil lubrication possible (required for further use) O - No corrosion stress	Max. mass per external gripper finger	280 g
Corrosion resistance class (CRC) 0 - No corrosion stress	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)
LABS (PWIS) conformity VDMA24364-B2-L	Corrosion resistance class (CRC)	0 - No corrosion stress
	LABS (PWIS) conformity	VDMA24364-B2-L

Feature	Value
Suitability for the production of Li-ion batteries	Suitable for battery production with reduced Cu/Zn/Ni values (F1a)
Ambient temperature	-10 °C 60 °C
Gripping force per gripper jaw at 6 bar, opening	465.9 N 493.7 N
Gripping force per gripper jaw at 6 bar, closing	415.2 N 442.6 N
Gripping force per gripper jaw at 6 bar, opening	233 N 246.9 N
Gripping force per gripper jaw at 6 bar, closing	207.6 N 221.3 N
Mass moment of inertia	5.51 kgcm ² 6.08 kgcm ²
Maximum force on gripper jaw Fz, static	246.8 N
Maximum torque on gripper jaw, Mx static	10.9 Nm
Maximum torque on gripper jaw, My static	6.29 Nm
Maximum torque on gripper jaw, Mz static	6.29 Nm
Product weight	773 g 938 g
Type of mounting	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