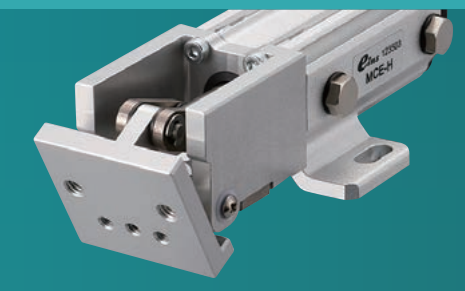
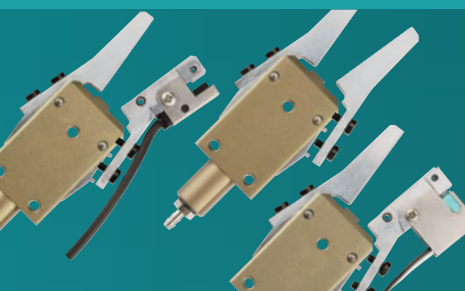
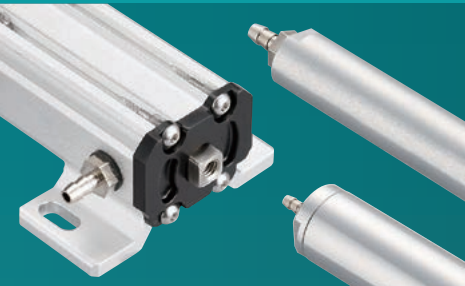


Grip



Mini Cylinder 2-2

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- ▶ Mini Cylinder (MCDP / MCE) 2-5
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Quick Chuck Change

Quick Chuck Change Manual

Quick Chuck Change Manual (QM Type)

Tool Changer

Automated Hand Exchange System

Grip

Mini Cylinder

Accessories for Mini Cylinder

Container Cylinders

Accessories for Container Cylinder

Grippers

Rubber Material / Grip Pad

Suction

Suction Cups

Suction Stems

Pad in Pad

Vacuum Gripper

Air Ejector / Filter / Check Valve

Ultra Small Part Take Out

Vacuum Generator Unit

Cut

Air Nipper (Small-Medium)

Air Nipper (Large)

Frame / Module

Jungle Gym

Let's Joint

Rectangular Tube

Base Aluminum Material

Sliding Chuck

Pneumatic Components / Sensors

Pneumatic Components

Sensors / Multi AND Board

PCIO Communication Unit

Lightweight Parts Series

Frame / Suction / Resin Cylinders / Pads / Resin Manifolds

By Industry

Legends - Packaging Steel Metal Clamping Metal Fabrication

Assembling Tools

Tool / Jig

Information

Various Products Information



Mini Cylinder



Please refer to the web site for performance table.

- ▶ Small and lightweight. Attach to plate or jungle gym.
- ▶ Non-rotate structure for cylinder rod (except for mini cylinder H)

■ Specification

Product name		Order code No.	TYPE	Structure	Used air pressure (Mpa)	Cylinder diameter (mm)	Output (N)		Stroke (mm)	Weight (g)	Page of details
Micro Mini Cylinder • UMCD		200122	UMCD-5	Single action type	0.3 ~ 0.5	φ 10	Push 28	Pull 6	5	16	2-4
		200123	UMCD-10				Push 24	Pull 9	10	22	
		200260	UMCD-5T	Single action type	0.3 ~ 0.5	φ 10	Push 6	Pull 18	5	18	
		200261	UMCD-10T				Push 9	Pull 14	10	21	
		200124	UMCD-5P	Single action type	0.3 ~ 0.5	φ 10	Push 28	Pull 6	5	14	
		200125	UMCD-10P				Push 24	Pull 9	10	20	
Mini Cylinder • MCD1		123219	MCD1-10	Single action type	0.3 ~ 0.5	φ 18	Push 98	Pull 19	10	65	2-4
		123220	MCD1-20						20	80	
Resin Cylinder • MCDR		123691	MCDR-10	Single action type	0.3 ~ 0.5	φ 18	Push 98	Pull 19	10	40	2-4
		123692	MCDR-20						20	48	
Mini Cylinder • Slim • MCDP		123929	MCDP-10	Single action type	0.3 ~ 0.5	φ 18	Push 98	Pull 19	10	73	2-5
		123930	MCDP-20	Single action type					20	90	
			123931	MCDP-AJBKT	—	—	—	—		—	28
Mini Cylinder • MCE		123504	MCE-10S	Single action type	0.3 ~ 0.5	Equivalent to φ 19	Push 110	Pull 20	10	58	2-5
		123505	MCE-10T				Push 20	Pull 85			
			123508	MCE-10W			Double action type	Push 130		Pull 108	

* Use conditions: Clean air, [Operation temperature] 5°C - 40°C
 * The output (N) is the value when used air pressure is 0.5 MPa.



Please refer to the web site for performance table.

Product name	Order code No.	TYPE	Structure	Used air pressure (Mpa)	Cylinder diameter (mm)	Output (N)		Stroke (mm)	Weight (g)	Page of details
Mini Cylinder • MCE	 123506	MCE-20S	Single action type	0.3 ~ 0.5	Equivalent to $\phi 19$	Push 105	Pull 22	20	69	2-5
	 123507	MCE-20T				Push 22	Pull 82			
	 123509	MCE-20W	Double action type			Push 130	Pull 108		71	
Mini Cylinder H (with rubber pad)	 120003	MCY-HS	Single action type	0.3 ~ 0.5	$\phi 15$	Push 78	Pull 10	20度	45	2-6
Replacement Rubber • w/ screw • for MCY-HS	 370877	For MCY-HS	—	—	—	Push —	Pull —	—	1	2-6
Cylinder for Pipe Attachment • MCP1	 123699	MCP1-1210	Single action type	0.3 ~ 0.5	$\phi 10$	Push 30	Pull 5	10	12	2-7
	 123700	MCP1-1220				Push 31	Pull 3	20	14	
	 123701	MCP1-2010			$\phi 16$	Push 85	Pull 7	10	40	
	 123702	MCP1-2020				Push 84	Pull 8	20	46	
	 123703	MCP1-2030				Push 83	Pull 9	30	50	
Suction Combination Cylinder • VMCP	 211133	VMCP-10	Single action type	0.3 ~ 0.5	$\phi 16$	Push 54	Pull 20	10	51	2-7
	 211134	VMCP-20				Push 62	Pull 20	20	60	
	 211135	VMCP-30				Push 60	Pull 21	30	78	
	 211137	VMCP-10-C				Push 54	Pull 20	10	69	
	 211138	VMCP-20-C				Push 62	Pull 20	20	78	
	 211139	VMCP-30-C				Push 60	Pull 21	30	96	

* Use conditions: Clean air, [Operation temperature] 5°C - 40°C

Quick Chuck Change

Quick Chuck Change Manual

Quick Chuck Change Manual (OM Type)

Tool Changer

Automated Hand Exchange System

Grip

Mini Cylinder

Accessories for Mini Cylinder

Container Cylinders

Accessories for Container Cylinder

Grippers

Rubber Material / Grip Pad

Suction

Suction Cups

Suction Stems

Pad in Pad

Vacuum Gripper

Air Ejector / Filter / Check Valve

Ultra Small Part Take Out

Vacuum Generator Unit

Cut

Air Nipper (Small-Medium)

Air Nipper (Large)

Frame / Module

Jungle Gym

Let's Joint

Rectangular Tube

Base Aluminum Material

Sliding Chuck

Pneumatic Components / Sensors

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Lightweight Parts Series

Frame / Section / Resin Cylinders / Pads / Resin Manifolds

By Industry

Logistics - Palletizing / Sheet Metal - Stamping - Metal Fabrication

Assembling Tools

Tool / Jig

Information

Various Products Information



Micro Mini Cylinder (UMCD) / Mini Cylinder (MCD) / Resin Cylinder (MCDR)

Mini cylinder series with lightweight body.

► High performance for chucking small molded parts.



Micro Mini Cylinder

Order code No.	200122
TYPE	UMCD-5

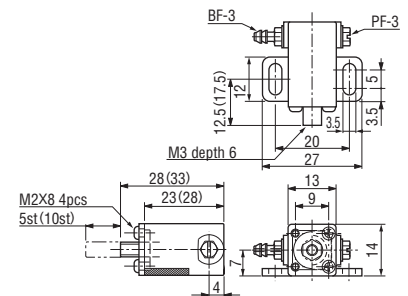
- Stroke: 5mm
- Weight: 16g
- Joint pipe fitting BF-3 included



Micro Mini Cylinder

Order code No.	200123
TYPE	UMCD-10

- Stroke: 10mm
- Weight: 22g
- Joint pipe fitting BF-3 included



* Size in () shows size of UMCD-10.

► Pull type of small body.



NEW

Micro Mini Cylinder (pull)

Order code No.	200260
TYPE	UMCD-5T

- Stroke: 5mm
- Weight: 17.9g
- Joint pipe fitting BF-3 included

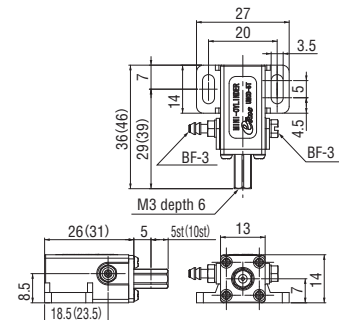


NEW

Micro Mini Cylinder (pull)

Order code No.	200261
TYPE	UMCD-10T

- Stroke: 10mm
- Weight: 20.5g
- Joint pipe fitting BF-3 included



* Size in () shows size of UMCD-10T.

► Can be mounted side by side.



Micro Mini Cylinder slim type

Order code No.	200124
TYPE	UMCD-5P

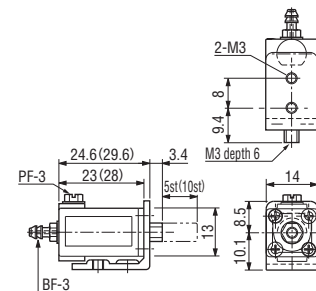
- Stroke: 5mm
- Weight: 14g
- Joint pipe fitting BF-3 included



Micro Mini Cylinder slim type

Order code No.	200125
TYPE	UMCD-10P

- Stroke: 10mm
- Weight: 20g
- Joint pipe fitting BF-3 included



* Size in () shows size of UMCD-10P.

► Mini cylinder series with lightweight body.



Mini Cylinder MCD1

Order code No.	123219
TYPE	MCD1-10

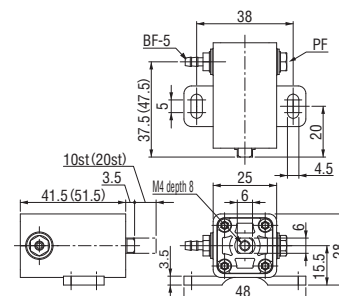
- Stroke: 10mm
- Weight: 65g
- Joint pipe fitting BF-5 included



Mini Cylinder MCD1

Order code No.	123220
TYPE	MCD1-20

- Stroke: 20mm
- Weight: 80g
- Joint pipe fitting BF-5 included



* Size in () shows size of MCD1-20.

► Weight saving achieved by using plastic for the body.



Resin Cylinder MCDR

Order code No.	123691
TYPE	MCDR-10

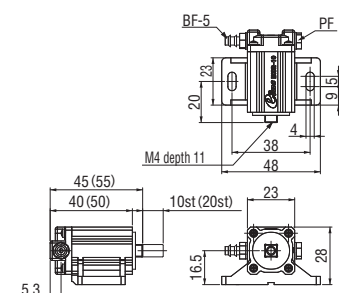
- Stroke: 10mm
- Weight: 40g
- Joint pipe fitting BF-5 included
- Include mounting washers.



Resin Cylinder MCDR

Order code No.	123692
TYPE	MCDR-20

- Stroke: 20mm
- Weight: 48g
- Joint pipe fitting BF-5 included
- Include mounting washers.



* Size in () shows size of MCDR-20.



- ▶ Can be mounted side by side.



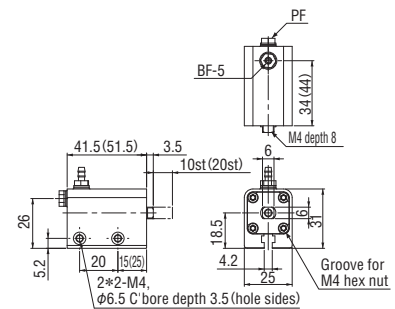
Order code No.	123929
TYPE	MCDP-10

- Stroke: 10mm
- Weight: 73g
- Joint pipe fitting BF-5 included
- Angle adjustment bracket (OP) → 2-6
- Please use M4 nut for cylinder installation.



Order code No.	123930
TYPE	MCDP-20

- Stroke: 20mm
- Weight: 96g
- Joint pipe fitting BF-5 included
- Angle adjustment bracket (OP) ➡ 2-6
- Please use M4 nut for cylinder installation.



* Size in () shows size of MCDP-20

▶ Extrusion cylinder with auto switch for operation and return limit capabilities.



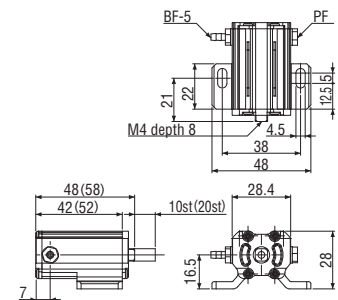
Order code No.	123504
TYPE	MCE-10S

- Stroke: 10mm
- Weight: 58g
- Joint pipe fitting BF-5 included



Order code No.	123506
TYPE	MCE-20S

- Stroke: 20mm
- Weight: 69g
- Joint pipe fitting BF-5 included



* Size in () shows size of MCE-20S.

► Pull-type cylinder with auto switch for operation and return limit capabilities.



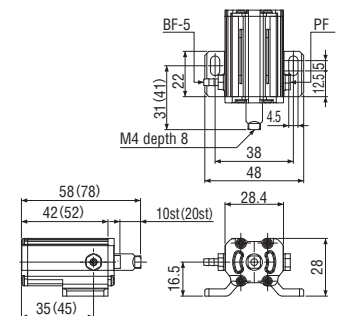
Order code No.	123505
TYPE	MCE-10T

- Stroke: 10mm
- Weight: 58g
- Joint pipe fitting BF-5 included



Order code No.	123507
TYPE	MCE-20T

- Stroke: 20mm
- Weight: 69g
- Joint pipe fitting BF-5 included



* Size in () shows size of MCE-20T.

► Double-acting cylinder with auto switch for operation and return limit capabilities.



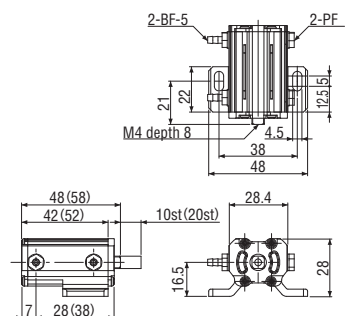
Order code No.	123508
TYPE	MCE-10W

- Stroke: 10mm
- Weight: 62g
- Joint pipe fitting BF-5 included



Order code No.	123509
TYPE	MCE-20W

- Stroke: 20mm
- Weight: 71g
- Joint pipe fitting BF-5 included



* Size in () shows size of MCE-20W.

2-5



Mini Cylinder H / Mini Cylinder Option Parts

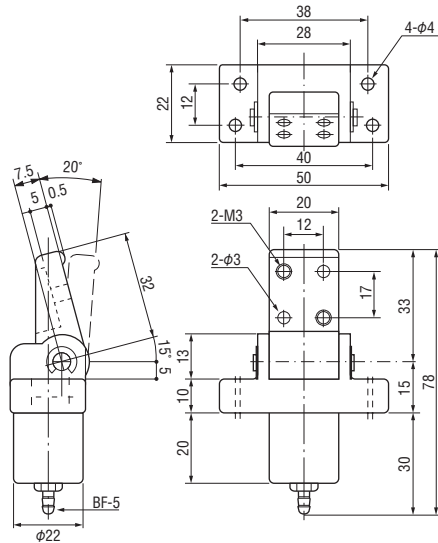
Hinge cylinder with compact body.



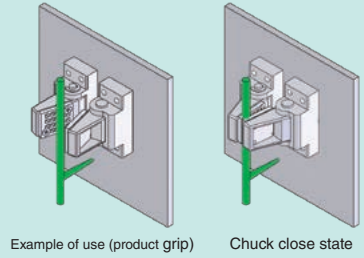
Mini Cylinder H (with rubber pad)

Order code No.	120003
TYPE	MCY-HS

- Body material: PBT polybutylene terephthalate
- Operating angle: 0-20 degrees
- Weight: 45g
- Joint pipe fitting BF-5 included

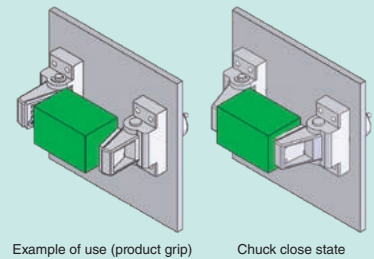


Example of use (runner grip)



* Direct attachment to jungle gym is impossible.

Example of use (product grip)



Mini Cylinder Option Parts

▶ Mini cylinder • slim for MCDP series

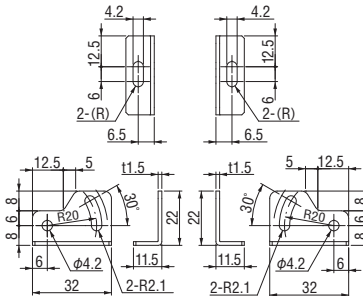
NEW



Angle adjustment bracket • for MCDP

Order code No.	123931
TYPE	MCDP-AJBKT

- Weight: 28g
- L · R is sold in sets.
- Bolt x 4 (SW, falt W) included



Example of installation

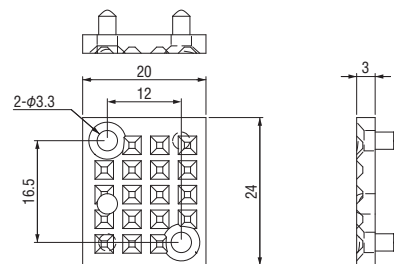


▶ For mini cylinder H (MCY-HS)

Replacement Rubber • w/ screw • for MCY-HS

Order code No.	370877
TYPE	For MCY-HS

- Weight: 1g
- Rubber pad material: natural rubber (NR) + Styrene-butadiene rubber (SBR)



▶ Mini Cylinder • for MCE (MCE series)

Auto Switch (reed SW)

Order code No.	030282
TYPE	D-A93

- Weight: 6g
- Applicable load: relay, PLC
- Load voltage: 24VDC
- Load current range: 5mA-40mA
- Lead wire: 0.5M OUT (+) brown OUT (-) blue
- Indicator light
- Wiring → See (6-20)
- Length: 0.5m



Auto Switch (contactless)

Order code No.	030425
TYPE	D-M9N

- Weight: 8g
- Applicable load: relay, PLC
- Load voltage: 24VDC
- Load current range: -40mA or lower
- Lead wire: 0.5M + V(brown), Load(black), OV(blue)
- Indicator light
- Wiring → See (6-20)
- Length: 0.5m





Cylinder for Pipe Attachment (MCP1) / Suction Combination Cylinder (VMCP)

Lightweight, high rigidity, and long operating life with superduralumin.

► Direct connection to jungle gym series parts (ø12) is possible.



Cylinder for Pipe Attachment

Order code No.	123699
TYPE	MCP1-1210

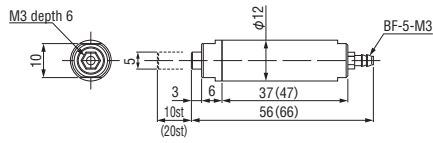
- Stroke: 10mm ● Weight: 12g
- Joint pipe fitting BF-5 included-M3 for piping



Cylinder for Pipe Attachment

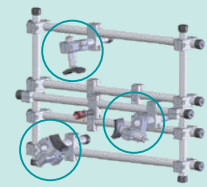
Order code No.	123700
TYPE	MCP1-1220

- Stroke: 20mm ● Weight: 14g
- Joint pipe fitting BF-5 included-M3 for piping



* Size in () shows size of MCP-1220.

Example of use



► Direct connection to jungle gym series parts (ø20) is possible.



Cylinder for Pipe Attachment

Order code No.	123701
TYPE	MCP1-2010

- Stroke: 10mm ● Weight: 40g
- Joint pipe fitting BF-5 included



Cylinder for Pipe Attachment

Order code No.	123702
TYPE	MCP1-2020

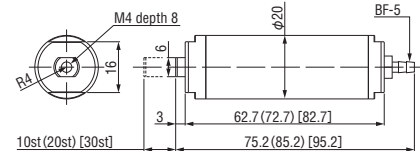
- Stroke: 20mm ● Weight: 46g
- Joint pipe fitting BF-5 included



Cylinder for Pipe Attachment

Order code No.	123703
TYPE	MCP1-2030

- Stroke: 30mm ● Weight: 50g
- Joint pipe fitting BF-5 included



* Size in () shows size of MCP-2020.
* Size in [] shows size of MCP-2030.

► Cylinder rod is machined through to allow for vacuum flow. Rod end to accept M5 vacuum accessories.



Suction Combination Cylinder (w/o sensor)

Order code No.	211133
TYPE	VMCP-10

- Stroke: 10mm ● Weight: 51g
- Joint pipe fitting BF-5 included



Suction Combination Cylinder (w/o sensor)

Order code No.	211134
TYPE	VMCP-20

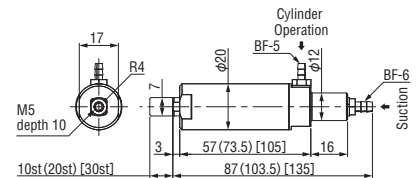
- Stroke: 20mm ● Weight: 60g
- Joint pipe fitting BF-5 included



Suction Combination Cylinder (w/o sensor)

Order code No.	211135
TYPE	VMCP-30

- Stroke: 30mm ● Weight: 78g
- Joint pipe fitting BF-5 included



* Size in () shows size of VMCP-20.
* Size in [] shows size of VMCP-30.



Suction Combination Cylinder (w/ sensor)

Order code No.	211137
TYPE	VMCP-10-C

- Stroke: 10mm ● Weight: 69g
- Joint pipe fitting BF-5 included
- Sensor: D-M9N (030425)



Suction Combination Cylinder (w/ sensor)

Order code No.	211138
TYPE	VMCP-20-C

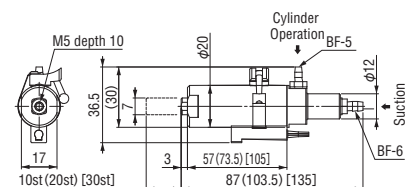
- Stroke: 20mm ● Weight: 78g
- Joint pipe fitting BF-5 included
- Sensor: D-M9N (030425)



Suction Combination Cylinder (w/ sensor)

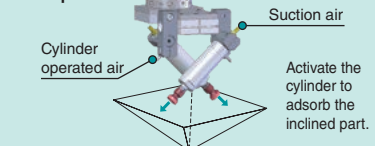
Order code No.	211139
TYPE	VMCP-30-C

- Stroke: 30mm ● Weight: 96g
- Joint pipe fitting BF-5 included
- Sensor: D-M9N (030425)



* Size in () shows size of VMCP-20-C.
* Size in [] shows size of VMCP-30-C.

Example of use



- Attach suction attach head (131208 or 131209) to cylinder rod head.

Quick Chuck Change

Quick Chuck Change Manual

Quick Chuck Change Manual (OM Type)

Tool Changer

Automated Hand Exchange System

Grip

Mini Cylinder

Accessories for Mini Cylinder

Container Cylinders

Accessories for Container Cylinder

Grippers

Rubber Material / Grip Pad

Suction

Suction Cups

Suction Stems

Pad in Pad

Vacuum Gripper

Air Ejector / Filter / Check Valve

Ultra Small Part Take Out

Vacuum Generator Unit

Cut

Air Nipper (Small-Medium)

Air Nipper (Large)

Frame / Module

Jungle Gym

Let's Joint

Rectangular Tube

Base Aluminum Material

Sliding Chuck

Pneumatic Components / Sensors

Pneumatic Components

Sensors / Multi AND Board

PCIO Communication Unit

Lightweight Parts Series

Frame / Section / Resin Cylinders / Pads / Resin Materials

By Industry

Logistics-Palletizing / Sheet Metal-Stamping- Metal Fabrication

Assembling Tools

Tool / Jig

Information

Various Products Information



Accessories for Mini Cylinder

Pads



For micro mini cylinder and mini cylinder.

Claws



The best way for gripping sprues.

Nut Plates



For fixing mini cylinders.

Chuck Spacers (Plastic)



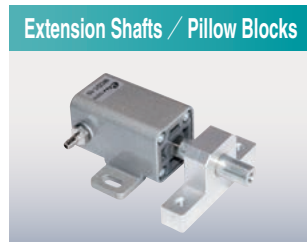
Spacer to install chuck plate and cylinder.

Specification

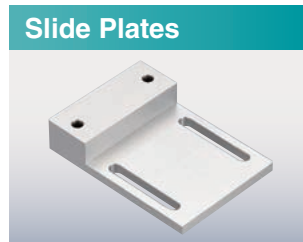
Product name			Order code No.	TYPE	Weight (g)	Material	Page of details
Pads	Pad • rectangle • black • for micro mini cylinder		022797	CPUM-01	5	Nitrile rubber	2-10
	Pad • rectangle • black • micro • for pull NEW		023357	CPUM-10	4.5	Chloroprene rubber	
	Pad • round • black ϕ 25 • for mini cylinder		370071	CP-015	13	Nitrile rubber	
	Pad • round • black ϕ 50 • for mini cylinder		370070	CP-016	53		
	Pad • rectangle • black 2 holes • for mini cylinder		023336	CPL-060	22	Chloroprene rubber	2-11
	Pad • curved • black • for mini cylinder		023359	CPL-018	19		
	Pad • rectangle • black • for pull		023219	CP-077	39		
	Pad • rectangle • w/black SW • micro mini cylinder		110568	L1131-100	23	Nitrile rubber	
	Pad • rectangle • w/ black SW • for mini cylinder		101832	KRCR-5000	62		
	Pad • rectangle • white • for micro mini cylinder		023113	CPUM-01 (SR)	5	Silicone	2-10
	Pad • rectangle • white • micro • for pull NEW		023358	CPUM-11	4.5		
	Pad • round • white ϕ 25 • for mini cylinder		022664	CP-074	13		
	Pad • round • white ϕ 50 • for mini cylinder		370107	CP-071	53		
	Pad • rectangle • white 2 holes • for mini cylinder		023337	CPL-061	22		2-11
	Pad • curved • white • for mini cylinder		023360	CPL-072	19		
	Pad • rectangle • white • for pull		023220	CP-078	39		
	Pad • rectangle • w/ white SW • for micro mini cylinder		110654	L1131-200	23		
	Pad • rectangle • w/ white SW • for mini cylinder		101833	KRCWR-5000	62		
	Steel Pad		023211	CP-06F	37	Steel	2-12
	Pad • rectangle • w/steer SW • mini cylinder		101834	KFCR-5000	76		
	Pad • rectangle • w/SW • mini cylinder		101835	KPCR-5000	52		



Used to change the mounting height of the mini cylinder.



Extension of mini cylinder rod, used with pillow block for stability.



Easy mini cylinder position adjustment. This makes possible to use the same chuck plate for several molds.

■ Specification

Product name			Order code No.	TYPE	Weight (g)	Material	Page of details	
Pads	Pad with SW • Black replacement Plate		101836	KPB-5000	31	Nitrile rubber	2-12	
	Pad with SW • White replacement Plate		101837	KPW-5000	31	Silicone		
	Pad with SW • steer replacement Plate		101838	KPF-5000	44	Steel		
	Pad with SW replacement Plate		101839	KP-5000	25			
	Micro limit switch • for KRC / KRCW		030317	D2JW-011-MD (0.1A,30VDC)	8	—		
Claws	Claw • L shape • for micro mini cylinder		022798	CPUM-02	3.6	Steel	2-13	
	Claw • round shape ϕ 25 • for mini cylinder		370072	CP-013	11.4			
	Claw • L shape • for mini cylinder		370073	CP-014	28.4			
Nut plates	Nut plate • for micro mini cylinder		022801	CPUM-05	5.0	Steel		
	Nut plate • for mini cylinder		050033	CP-009	8.2			
	Nut plate • for H cylinder (M3)		050034	CP-010	5.2			
Chuck spacer	Chuck spacer • for micro mini cylinder		041646	ECPUM-03	1.7	PP material	2-14	
	Chuck spacer • for mini cylinder		041647	ECP-011	8.6			
Spacer	Spacer • aluminum • 50H		230060	XL0002-050	73	Aluminum		
	Spacer • aluminum • 80H		230061	XL0002-080	93			
	Spacer • aluminum • 100H		230062	XL0002-100	106			
	Spacer • aluminum • 120H		230063	XL0002-120	119			
Mini cylinder extension shaft			370342	CP-033 (30mm)	11	Steel		2-15
			370711	CP-034 (45mm)	16			
Mini cylinder pillow block			370341	CP-007 (10mm)	20	Aluminum		
			370712	CP-008 (20mm)	40			
Mini cylinder slide plate			370793	CP-030 (10H)	53	Aluminum		
			370722	CP-030 (15H)	64			

Quick Chuck Change

Quick Chuck Change Manual

Quick Chuck Change Manual (OM Type)

Tool Changer

Automated Hand Exchange System

Grip

Mini Cylinder

Accessories for Mini Cylinder

Container Cylinders

Accessories for Container Cylinder

Grippers

Rubber Material / Grip Pad

Suction

Suction Cups

Suction Stems

Pad in Pad

Vacuum Gripper

Air Ejector / Filter / Check Valve

Ultra Small Part Take Out

Vacuum Generator Unit

Cut

Air Nipper (Small-Medium)

Air Nipper (Large)

Frame / Module

Jungle Gym

Let's Joint

Rectangular Tube

Base Aluminum Material

Sliding Chuck

Pneumatic Components / Sensors

Pneumatic Components

Sensors / Multi AND Board

PCIO Communication Unit

Lightweight Parts Series

Frame / Section / Resin Cylinders / Pads / Resin Manifolds

By Industry

Logistics-Palletizing/Sheet Metal-Stamping-Metal Fabrication

Assembling Tools

Tool / Jig

Information

Various Products Information



Pads

Use the product by mounting to the tip of cylinder rod.



Pad · rectangle · black · for micro mini cylinder

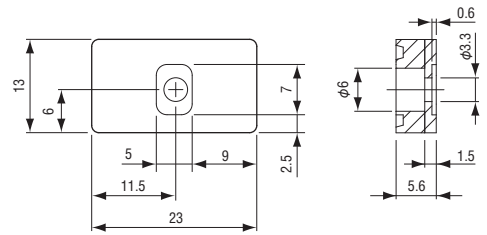
Order code No.	022797
TYPE	CPUM-01

- Material: nitrile rubber
- Weight: 5g
- Cylinder: UMCD, MCP1-12 series

Pad · rectangle · white · for micro mini cylinder

Order code No.	023113
TYPE	CPUM-01 (SR)

- Material: silicone
- Weight: 5g
- Cylinder: UMCD, MCP1-12 series



Pad · rectangle · black · for pull

NEW

Order code No.	023357
TYPE	CPUM-10

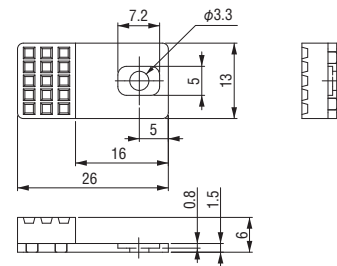
- Material: chloroprene rubber
- Weight: 4.5g
- Cylinder: UMCD-5T,10T (pull type)

Pad · rectangle · white · for pull

NEW

Order code No.	023358
TYPE	CPUM-11

- Material: silicone
- Weight: 4.5g
- Cylinder: UMCD-5T,10T (pull type)



Pad · round · black $\phi 25$ · for mini cylinder

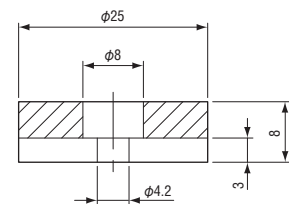
Order code No.	370071
TYPE	CP-015

- Material: nitrile rubber
- Weight: 13g
- Cylinder: MCD*, MCDR, MCDP, MCE, MCP*-20 series

Pad round white $\phi 25$ · for mini cylinder

Order code No.	022664
TYPE	CP-074

- Material: silicone
- Weight: 13g
- Cylinder: MCD*, MCDR, MCDP, MCE, MCP*-20 series



Pad · round · black $\phi 50$ · for mini cylinder

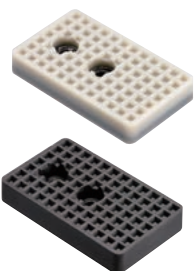
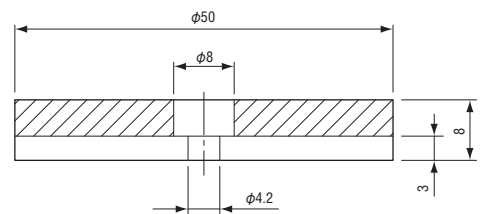
Order code No.	370070
TYPE	CP-016

- Material: nitrile rubber
- Weight: 53g
- Cylinder: MCD*, MCDR, MCDP, MCE, MCP*-20 series

Pad round white $\phi 50$ · for mini cylinder

Order code No.	370107
TYPE	CP-071

- Material: silicone
- Weight: 53g
- Cylinder: MCD*, MCDR, MCDP, MCE, MCP*-20 series



Pad · rectangle · black 2 holes · for mini cylinder

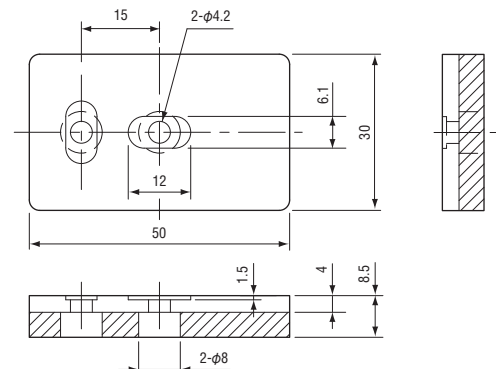
Order code No.	023336
TYPE	CPL-060

- Material: chloroprene rubber
- Weight: 22g
- Cylinder: MCD*, MCDR, MCDP, MCE, MCP*-20 series

Pad · rectangle · white 2 holes · for mini cylinder

Order code No.	023337
TYPE	CPL-061

- Material: silicone
- Weight: 22g
- Cylinder: MCD*, MCDR, MCDP, MCE, MCP*-20 series



Order code No.	023359
TYPE	CPL-018

- | | |
|----------------|---------|
| Order code No. | 023360 |
| TYPE | CPL-072 |

-



Order code No.	023219
TYPE	CP-077

- | | |
|----------------|--------|
| Order code No. | 023220 |
| TYPE | CP-078 |

-
- Technical drawing of a mechanical part. The main view shows a rectangular block with a circular hole. Dimensions are given in millimeters (mm). The total width is 50 mm, and the total height is 30 mm. The hole has a diameter of $\phi 4.2$ mm. The distance from the left edge to the center of the hole is 24 mm. The distance from the top edge to the center of the hole is 12 mm. The distance from the right edge to the center of the hole is 6.1 mm. The distance from the bottom edge to the center of the hole is 10 mm. A cross-section view is shown on the right, indicating a hatched area. A detail view of the bottom edge is shown at the bottom, with dimensions 0.8 mm, 3.2 mm, and 8 mm.

Order code No.	110568
TYPE	L1131-100

- | | |
|----------------|-----------|
| Order code No. | 110654 |
| TYPE | L1131-200 |

-
- Technical drawing showing the M3 mounting hole and side view of the connector. The top view shows a grid of pins with a central mounting hole. Dimensions include 24.5, 23, 1.5, 19, 9, 11.5, and 17. The side view shows the connector's profile with dimensions 3, 13, and 3. A label 'ABC' is present on the side view.

A contact specification: black (COM) blue (NO)
B contact specification: black (COM) red (NC)



Order code No.	101832
TYPE	KBCB-5000

- | | |
|----------------|------------|
| Order code No. | 101833 |
| TYPE | KBCWR-5000 |

- [illegible]

- A contact specification: black (COM) blue (NO)
B contact specification: black (COM) red (NC)



Order code No.	023211
TYPE	CP-06F

-
- Technical drawing of a mechanical part with dimensions:
- Overall width: 30
 - Overall height: 50
 - Top hole diameter: $2-\phi 4.2$
 - Bottom hole diameter: $2-\phi 8$ depth 4.8
 - Section view dimensions: 8, 5, 0.8
 - Detail view dimensions: 6, 12, 6

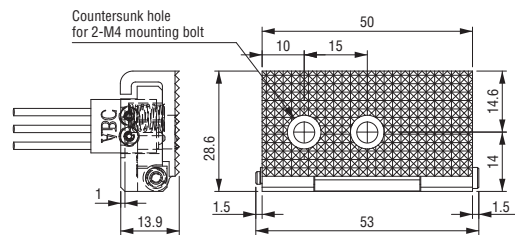
- Add knurling to the plate with switch.



Pad • rectangle • w/ steer SW • mini cylinder

Order code No.	101834
TYPE	KFCR-5000

- Material: Steel ● Weight: 76g
- Cylinder: MCD*, MCDR, MCDP, MCE, MCP*-20 series
- Sensor : D2JW-011-MD ➔ See (2-12)



* Wiring: black (COM) blue (NO) red (NC)

A contact specification: black (COM) blue (NO)
B contact specification: black (COM) red (NC)

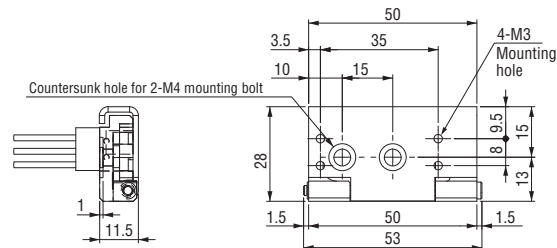
- Add M3 tap hole to the pad with switch.



Pad • rectangle • w/ SW • mini cylinder

Order code No.	101835
TYPE	KPCR-5000

- Material: Steel ● Weight: 52g
- Cylinder: MCD*, MCDR, MCDP, MCE, MCP*-20 series
- Sensor : D2JW-011-MD ➔ See (2-12)



* Wiring: black (COM) blue (NO) red (NC)

A contact specification: black (COM) blue (NO)
B contact specification: black (COM) red (NC)

- Pad with SW replacement Accessories



Pad with SW • Black replacement Plate

Order code No.	101836
TYPE	KPB-5000

- Weight: 31g
- E-ring attached
- KRCR-5000 (101832) for exchange



Pad with SW • White replacement Plate

Order code No.	101837
TYPE	KPW-5000

- Weight: 31g
- E-ring attached
- KRCWR-5000 (101833) for exchange



Pad with SW • steer replacement Plate

Order code No.	101838
TYPE	KPF-5000

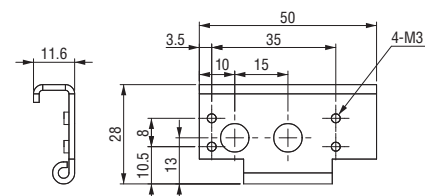
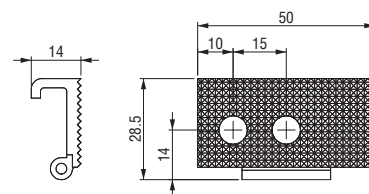
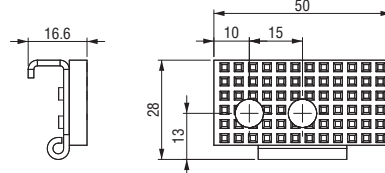
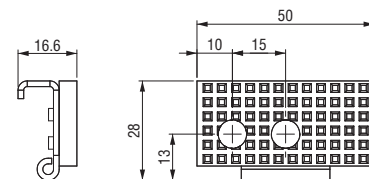
- Weight: 44g
- E-ring attached
- KFCR-5000 (101834) for exchange



Pad with SW replacement Plate

Order code No.	101839
TYPE	KP-5000

- Weight: 25g
- E-ring attached
- KPCR-5000 (101835) for exchange



Micro limit switch • for KRC / KRCW

Order code No.	030317
TYPE	D2JW-011-MD (0.1A,30VDC)

- Weight: 8g
- Wiring: black (COM) blue (NO) red (NC)
- Pads : KRCR, KRCWR, KFCR, KPCR, L1131
- Length : 0.3m





Claws / Nut Plates

Claw is used for chucking sprue. and nut plate is used for fixing mini cylinder.

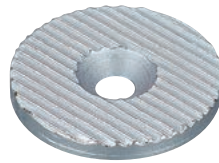
► Claws



Claw • L shape • for micro mini cylinder

Order code No.	022798
TYPE	CPUM-02

- Weight: 3.6g
- Cylinder: UMCD, MCP*-12 series



Claw • round shape $\phi 25$ • for mini cylinder

Order code No.	370072
TYPE	CP-013

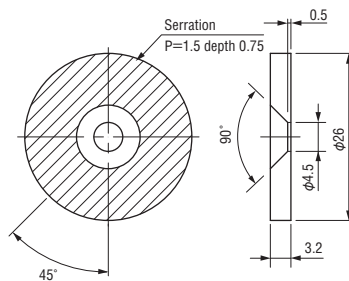
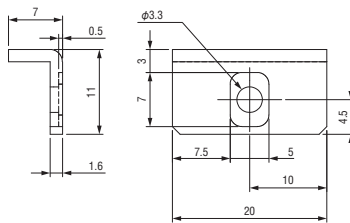
- Weight: 11.4g
- Cylinder: MCD*, MCDR, MCE, MCDP, MCP*-20 series



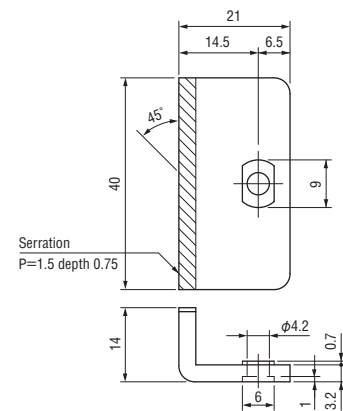
Claw • L shape • for mini cylinder

Order code No.	370073
TYPE	CP-014

- Weight: 28.4g
- Cylinder: MCD*, MCDR, MCE, MCDP, MCP*-20 series



* Clamp force is conveyed with serration processing.
This product is engaged in less deep than CP-014.



► Nut Plates (micro mini cylinder, mini cylinder, H cylinder)



Nut plate • for micro mini cylinder

Order code No.	022801
TYPE	CPUM-05

- Weight: 5.0g
- Cylinder: UMCD series



Nut plate • for mini cylinder

Order code No.	050033
TYPE	CP-009

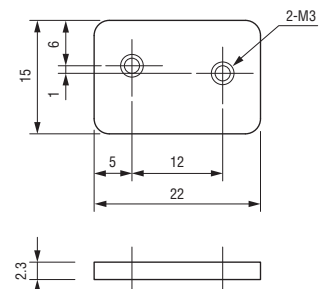
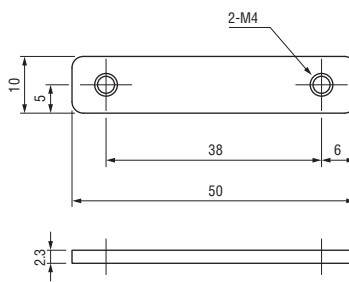
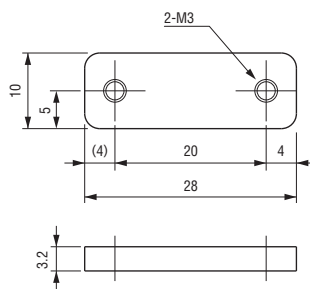
- Weight: 8.2g
- Cylinder: MCD*, MCDR, MCE series



Nut plate • for H cylinder (M3)

Order code No.	050034
TYPE	CP-010

- Weight: 5.2g
- Cylinder: MCY-HS



Quick Chuck Change

Quick Chuck Change Manual

Quick Chuck Change Manual (OM Type)

Tool Changer

Automated Hand Exchange System

Grip

Mini Cylinder

Accessories for Mini Cylinder

Container Cylinders

Accessories for Container Cylinder

Grippers

Rubber Material / Grip Pad

Suction

Suction Cups

Suction Stems

Pad in Pad

Vacuum Gripper

Air Ejector / Filter / Check Valve

Ultra Small Part Take Out

Vacuum Generator Unit

Cut

Air Nipper (Small-Medium)

Air Nipper (Large)

Frame / Module

Jungle Gym

Let's Joint

Rectangular Tube

Base Aluminum Material

Sliding Chuck

Pneumatic Components / Sensors

Pneumatic Components

Sensors / Multi AND Board

PCIO Communication Unit

Lightweight Parts Series

Frame / Section / Resin Cylinders / Pads / Resin Manifolds

By Industry

Logistics-Palletizing / Sheet Metal-Stamping / Metal Fabrication

Assembling Tools

Tool / Jig

Information

Various Products Information



Chuck Spacers : Plastic / Aluminum

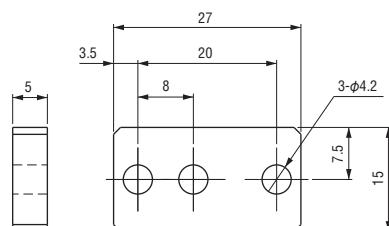
Spacer for height adjustment.

Chuck spacer • for micro mini cylinder



Order code No.	041646
TYPE	ECPUM-03

- Weight: 1.7g
- Material: Polypropylene

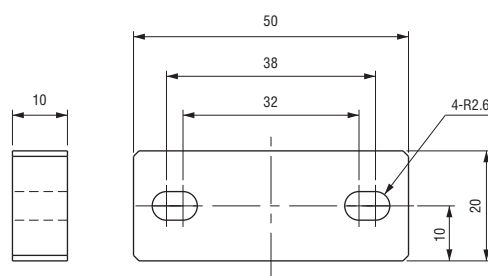


Chuck spacer • for mini cylinder



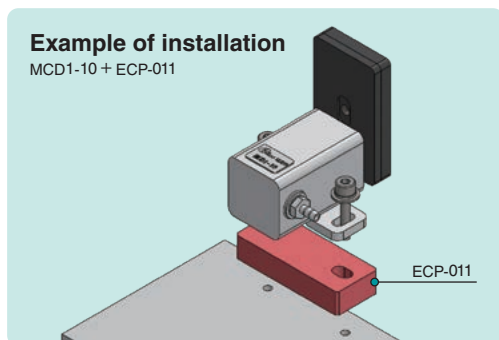
Order code No.	041647
TYPE	ECP-011

- Weight: 8.6g
- Material: Polypropylene



Example of installation

MCD1-10 + ECP-011



► Spacer for mini cylinder

Spacer • aluminum • 50H



Order code No.	230060
TYPE	XL0002-050

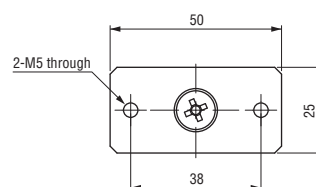
- Weight: 73g
- Size A: 50mm

Spacer • aluminum • 80H



Order code No.	230061
TYPE	XL0002-080

- Weight: 93g
- Size A: 80mm



Spacer • aluminum • 100H



Order code No.	230062
TYPE	XL0002-100

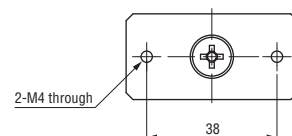
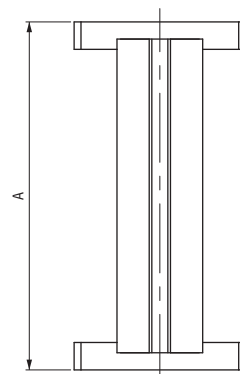
- Weight: 106g
- Size A: 100mm

Spacer • aluminum • 120H



Order code No.	230063
TYPE	XL0002-120

- Weight: 119g
- Size A: 120mm





Extension Shafts / Pillow Blocks / Slide Plate

Extension of mini cylinder rod, used with pillow block for stability.
Easy to make the Mini cylinder move.



Mini cylinder • extension shaft

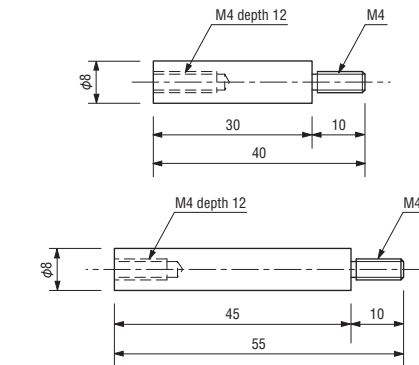
Order code No.	370342
TYPE	CP-033 (30mm)

● Weight: 11g

Mini cylinder • extension shaft

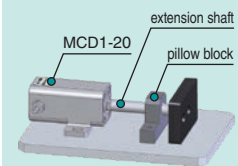
Order code No.	370711
TYPE	CP-034 (45mm)

● Weight: 16g



● Cylinder: MCD1 series

Example of use



Mini cylinder • pillow block

Order code No.	370341
TYPE	CP-007 (10mm)

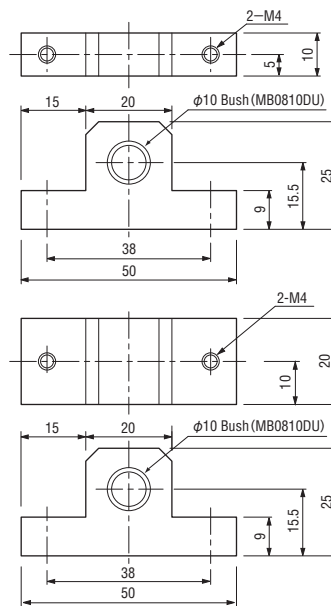
● Weight: 20g



Mini cylinder • pillow block

Order code No.	370712
TYPE	CP-008 (20mm)

● Weight: 40g



● Cylinder: MCD* series



Mini cylinder • slide plate

Order code No.	370793
TYPE	CP-030 (10H)

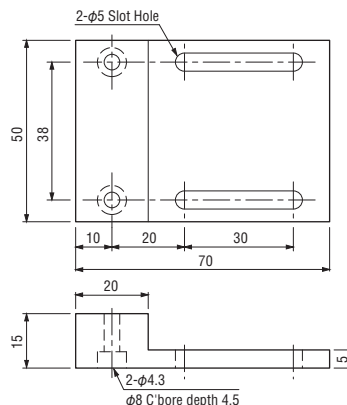
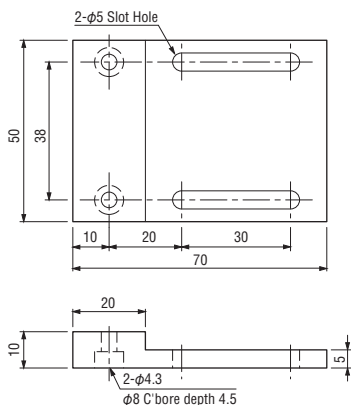
● Weight: 53g
● Use nut plate to attach mini cylinder.
→ See (2-13)



Mini cylinder • slide plate

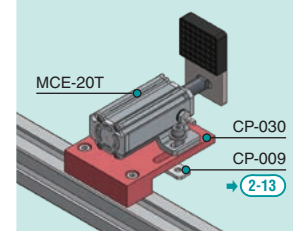
Order code No.	370722
TYPE	CP-030 (15H)

● Weight: 64g
● Use nut plate to attach mini cylinder.
→ See (2-13)



Example of installation

MCE-20T + CP-030 + CP-009



Quick Chuck Change

Quick Chuck Change Manual

Quick Chuck Change Manual (OM Type)

Tool Changer

Automated Hand Exchange System

Grip

Mini Cylinder

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Container Cylinders

Accessories for Container Cylinder

Grippers

Rubber Material / Grip Pad

Suction

Suction Cups

Suction Stems

Pad in Pad

Vacuum Gripper

Air Ejector / Filter / Check Valve

Ultra Small Part Take Out

Vacuum Generator Unit

Cut

Air Nipper (Small-Medium)

Air Nipper (Large)

Frame / Module

Jungle Gym

Let's Joint

Rectangular Tube

Base Aluminum Material

Sliding Chuck

Pneumatic Components / Sensors

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Frame / Section / Resin Cylinders / Pads / Resin Manifolds

By Industry

Logistics-Palletizing/Sheet Metal-Stamping-Metal Fabrication

Assembling Tools

Tool / Jig

Information

Various Products Information



Micro Mini Cylinder / Mini Cylinder ↔ Pads Selection Table

Cylinder		Micro mini cylinder (UMCD)						mini cylinder (MCD※)		Resin cylinder (MCDR)		Mini cylinder (MCDP)		Mini cylinder (MCE)						Pipe cylinder (MCP1)				
		200122	200123	200260	200261	200124	200125	123219	123220	123691	123692	123929	123930	123504	123506	123505	123507	123508	123509	123699	123700	123701	123702	123703
Pads Claw																								
○ : Installable — : Not Installable																								
	022797 CPUM-01 (Black)	○	○	—	—	※2	※2	—	—	—	—	—	—	—	—	—	—	—	—	○	○	—	—	—
	023113 CPUM-01 (SR) (White)	○	○	—	—	※2	※2	—	—	—	—	—	—	—	—	—	—	—	—	○	○	—	—	—
	023357 CPUM-10 (Black)	—	—	○	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	023358 CPUM-11 (White)	—	—	○	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	370071 CP-015 (Black)	—	—	—	—	—	—	○	○	○	○	○	○	○	○	—	—	○	○	—	—	○	○	○
	022664 CP-074 (White)	—	—	—	—	—	—	○	○	○	○	○	○	○	○	—	—	○	○	—	—	○	○	○
	370070 CP-016 (Black)	—	—	—	—	—	—	○	○	○	○	○	○	○	○	—	—	○	○	—	—	○	○	○
	370107 CP-071 (White)	—	—	—	—	—	—	○	○	○	○	○	○	○	○	—	—	○	○	—	—	○	○	○
	023336 CPL-060 (Black)	—	—	—	—	—	—	○	○	○	○	○	○	○	○	—	—	○	○	—	—	○	○	○
	023337 CPL-061 (White)	—	—	—	—	—	—	○	○	○	○	○	○	○	○	—	—	○	○	—	—	○	○	○
	023359 CPL-018 (Black)	—	—	—	—	—	—	○	○	○	○	○	○	○	○	—	—	○	○	—	—	○	○	○
	023360 CPL-072 (White)	—	—	—	—	—	—	○	○	○	○	○	○	○	○	—	—	○	○	—	—	○	○	○
	023219 CP-077 (Black)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	○	○	○	○	—	—	—	—	—
	023220 CP-078 (White)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	○	○	○	○	—	—	—	—	—
	101832 KRCR-5000 (Black)	—	—	—	—	—	—	○	○	○	○	○	○	○	○	—	—	○	○	—	—	○	○	○
	101833 KRCWR-5000 (White)	—	—	—	—	—	—	○	○	○	○	○	○	○	○	—	—	○	○	—	—	○	○	○
	101834 KFCR-5000	—	—	—	—	—	—	○	○	○	○	○	○	○	○	—	—	○	○	—	—	○	○	○
	101835 KPCR-5000	—	—	—	—	—	—	○	○	○	○	○	○	○	○	—	—	○	○	—	—	○	○	○
	110568 L1131-100 (Black)	※1	※1	—	—	※2	※2	—	—	—	—	—	—	—	—	—	—	—	—	○	○	—	—	—
	110654 L1131-200 (White)	※1	※1	—	—	※2	※2	—	—	—	—	—	—	—	—	—	—	—	—	○	○	—	—	—
	023211 CP-06F	—	—	—	—	—	—	○	○	○	○	○	○	○	○	—	—	○	○	—	—	○	○	○
	022798 CPUM-02	○	○	—	—	※2	※2	—	—	—	—	○	○	—	—	—	—	—	—	○	○	—	—	—
	370072 CP-013	—	—	—	—	—	—	○	○	○	○	○	○	○	○	—	—	○	○	—	—	○	○	○
	370073 CP-014	—	—	—	—	—	—	○	○	○	○	○	○	○	○	—	—	○	○	—	—	○	○	○

※1 The chuck spacer (ECPUM-03 → [2-14](#)) is required when mounting the pads.
 ※2 The long side is the longitudinal direction when mounting the pads.



Container Cylinders



Please refer to the web site for performance table.

Specification

Product name		Order code No.	TYPE	Structure	Used air pressure ^{*2} (Mpa)	Cylinder diameter (mm)	Output ^{*1} (N)	Stroke (mm)	Weight (g)	Page of Details	
Mini container cylinder		131014	NCON-M10S	Single action type	0.4~0.5 (4~5kgf/cm ²)	φ 20	Push 114	Pull 30	10	135	2-19
		131015	NCON-M15S				Push 115	Pull 29	15	145	
		131016	NCON-M20S				Push 125	Pull 20	20	155	
		130709	NCON-M10W	Double action type		φ 20	Push 154 Pull 129		10	135	
		130710	NCON-M15W						15	145	
		130711	NCON-M20W						20	155	
		130712	NCON-M25W						25	165	
		130713	NCON-M30W						30	175	
Container cylinder		130707	NCON-20W	Double action type	0.4~0.5 (4~5kgf/cm ²)	φ 20 × 2	Push 314 Pull 234		20	340	2-20
		130708	NCON-40W						40	415	
		130829	NCON-80W						80	557	

Product name		Order code No.	TYPE	Structure	Used air pressure ^{*2} (Mpa)	Cylinder diameter (mm)	Output ^{*3} (N)	Stroke (mm)	Weight (g)	Page of Details
Container cylinder reinforced		 130869	NCON-40WK	Double action type	0.4 ~ 0.6	φ 20 × 2	Push 314 Pull 200	40	688	2-20
Container cylinder w/ guided		 060496	GCYL20*20	Double action type	0.4 ~ 0.6	φ 20	Push 157 Pull 117	20	526	2-21
		 060497	GCYL20*40					40	670	
		 060498	GCYL20*50					50	746	
		 060499	GCYL20*75					75	1,000	
		 060500	GCYL20*100					100	1,192	
		 060501	GCYL20*150					150	1,576	
NEW Container cylinder w/ guided(Double action type)		 131686	NGCYL20*20	Double action type	0.4 ~ 0.6	φ 16 × 2	Push 200 Pull 150	20	270	2-22
		 131687	NGCYL20*40					40	370	
		 131688	NGCYL20*50					50	410	
		 131689	NGCYL20*75					75	520	
		 131690	NGCYL20*100					100	640	

Auto switch (reed SW)	 030282	D-A93	—	—	—	—	—	6	2-19,21
Auto switch (contactless)	 030425	D-M9N	—	—	—	—	—	8	2-19,21

*1 : Used air pressure (0.49Mpa) *2 : Fluid to be used/Clean air, Ambient temperature/5 °C - 40°C *3 : Used air pressure (0.5Mpa)



Mini Container Cylinder (Single Action / Double Action)

Smooth operation with fit drive guide.

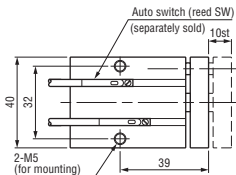
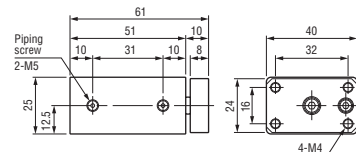
Single Action Type

Installation of auto switch for act/return limit is possible.



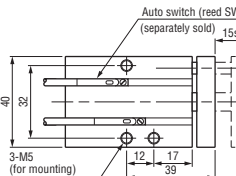
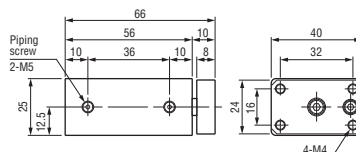
Order code No.	131014
TYPE	NCON-M10S

- Stroke: 10mm
- Weight: 135g
- Pipe joint is sold separately.
- ➔ See (6-5,6,7)



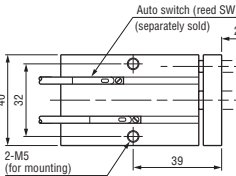
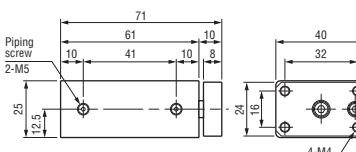
Order code No.	131015
TYPE	NCON-M15S

- Stroke: 15mm
- Weight: 145g
- Pipe joint is sold separately.
- ➔ See (6-5,6,7)



Order code No.	131016
TYPE	NCON-M20S

- Stroke: 20mm
- Weight: 155g
- Pipe joint is sold separately.
- ➔ See (6-5,6,7)



Auto switch (reed SW)

Order code No.	030282
TYPE	D-A93

- Weight: 6g
- Load voltage: 24VDC
- Load current range: 5mA-40mA
- Wiring: 0.5M OUT brown OUT (+) blue (-)
- With indicator lamp
- Terminal process is not made.
- Wiring: ➔ See (6-20)
- Length: 0.5m



Auto switch (contactless)

Order code No.	030425
TYPE	D-M9N

- Weight: 8g
- Load voltage: 24VDC
- Load current range: -40mA or lower
- Wiring: 0.5M + V (brown), Load (black), OV(blue)
- With indicator lamp
- Terminal process is not made.
- Wiring: ➔ See (6-20)
- Length: 0.5m

Example of mounting



NCON-M10S

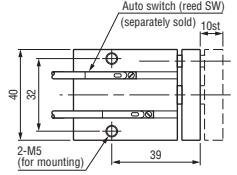
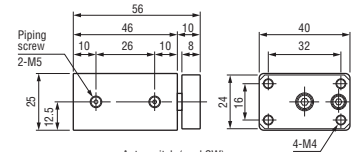
Double Action Type

Installation of auto switch for act/return limit is possible.



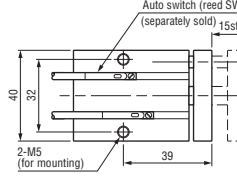
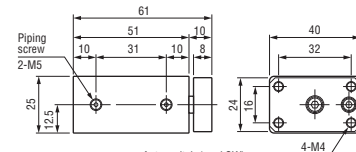
Order code No.	130709
TYPE	NCON-M10W

- Stroke: 10mm
- Weight: 135g
- Pipe joint is sold separately.
- ➔ See (6-5,6,7)



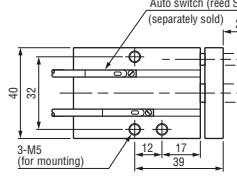
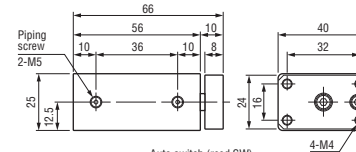
Order code No.	130710
TYPE	NCON-M15W

- Stroke: 15mm
- Weight: 145g
- Pipe joint is sold separately.
- ➔ See (6-5,6,7)



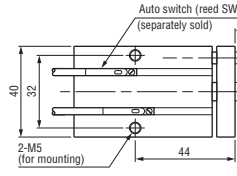
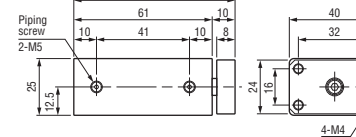
Order code No.	130711
TYPE	NCON-M20W

- Stroke: 20mm
- Weight: 155g
- Pipe joint is sold separately.
- ➔ See (6-5,6,7)



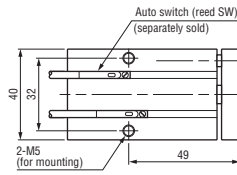
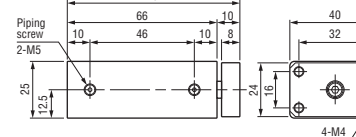
Order code No.	130712
TYPE	NCON-M25W

- Stroke: 25mm
- Weight: 165g
- Pipe joint is sold separately.
- ➔ See (6-5,6,7)



Order code No.	130713
TYPE	NCON-M30W

- Stroke: 30mm
- Weight: 175g
- Pipe joint is sold separately.
- ➔ See (6-5,6,7)



Quick Chuck Change

Quick Chuck Change Manual

Quick Chuck Change Manual (QM Type)

Tool Changer

Automated Hand Exchange System

Grip

Mini Cylinder

Accessories for Mini Cylinder

Container Cylinders

Accessories for Container Cylinder

Grippers

Rubber Material / Grip Pad

Suction

Suction Cups

Suction Stems

Pad in Pad

Vacuum Gripper

Air Ejector / Filter / Check Valve

Ultra Small Part Take Out

Vacuum Generator Unit

Cut

Air Nipper (Small-Medium)

Air Nipper (Large)

Frame / Module

Jungle Gym

Let's Joint

Rectangular Tube

Base Aluminum Material

Sliding Chuck

Pneumatic Components / Sensors

Pneumatic Components

Sensors / Multi AND Board

PCIO Communication Unit

Lightweight Parts Series

Frame / Section / Resin Cylinders / Pads / Resin Manifolds

By Industry

Logistics-Palletizing/Sheet Metal-Stamping-Metal Fabrication

Assembling Tools

Tool / Jig

Information

Various Products Information



Container Cylinder (Double Action / Reinforced)

Smooth operation with double rods.

Installation of auto switch for act/return limit is possible.



Order code No.	130707
TYPE	NCON-20W

- Stroke: 20mm
- Weight: 340g
- Pipe joint is sold separately.

➔ See (6-5,6,7)



Order code No.	130708
TYPE	NCON-40W

- Stroke: 40mm
- Weight: 415g
- Pipe joint is sold separately.

➔ See (6-5,6,7)



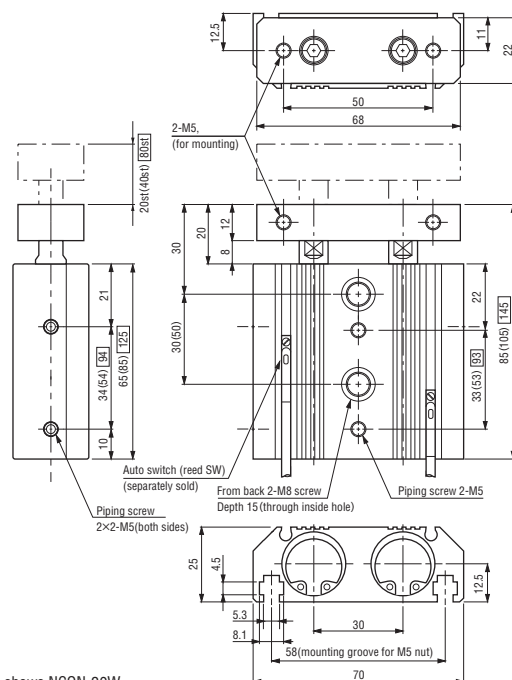
Order code No.	130829
TYPE	NCON-80W

- Stroke: 80mm
- Weight: 557g
- Pipe joint is sold separately.

➔ See (6-5,6,7)



Example of mounting



* Base drawing shows NCON-20W.
* Size in () shows size of NCON-40W.
* Size in [] shows size of NCON-80W.

- ▶ High durability and long operation life with widemouthed cylinder and reinforcement of piston structure.

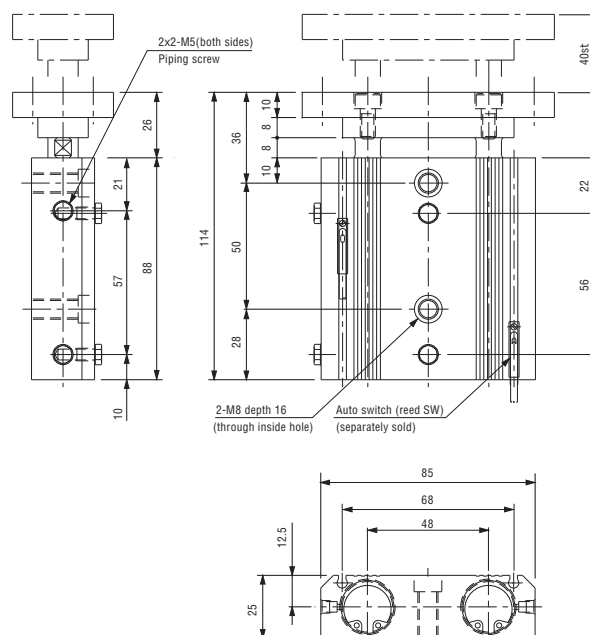
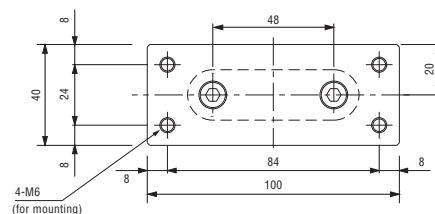


Container cylinder • reinforced (double)

Order code No.	130869
TYPE	NCON-40WK

- Stroke: 40mm
- Weight: 688g
- Pipe joint is sold separately.

➔ See (6-5,6,7)





Container Cylinder w/ Guided (Double Action) GCYLseries

Improved durability with integral-type aluminum body.

Installation of auto switch for act/return limit is possible.



Order code No.	060496
TYPE	GCYL20*20

- Stroke: 20mm
- Weight: 526g
- Pipe joint is sold separately.
- ➔ See (6-5,6,7)



Order code No.	060497
TYPE	GCYL20*40

- Stroke: 40mm
- Weight: 670g
- Pipe joint is sold separately.
- ➔ See (6-5,6,7)



Order code No.	060498
TYPE	GCYL20*50

- Stroke: 50mm
- Weight: 746g
- Pipe joint is sold separately.
- ➔ See (6-5,6,7)



Order code No.	060499
TYPE	GCYL20*75

- Stroke: 75mm
- Weight: 1,000g
- Pipe joint is sold separately.
- ➔ See (6-5,6,7)



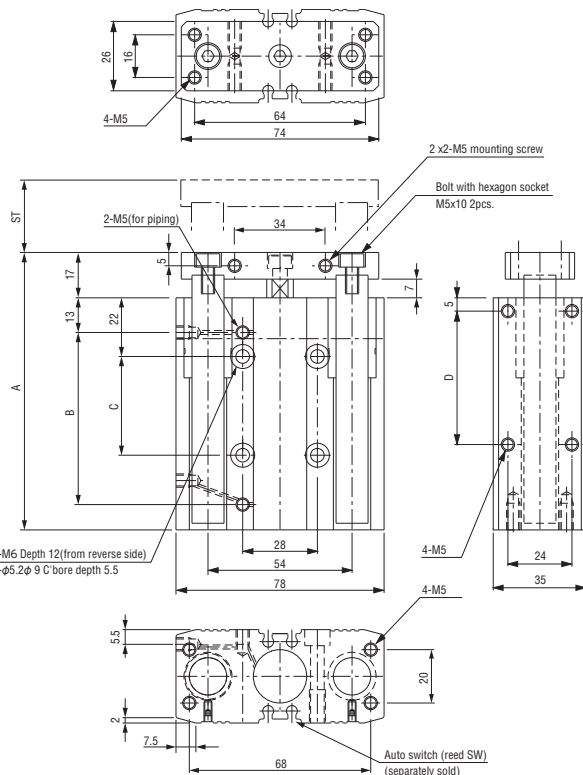
Order code No.	060500
TYPE	GCYL20*100

- Stroke: 100mm
- Weight: 1,192g
- Pipe joint is sold separately.
- ➔ See (6-5,6,7)



Order code No.	060501
TYPE	GCYL20*150

- Stroke: 150mm
- Weight: 1,576g
- Pipe joint is sold separately.
- ➔ See (6-5,6,7)



Dimensions

(mm)

TYPE	GCYL20*20	GCYL20*40	GCYL20*50	GCYL20*75	GCYL20*100	GCYL20*150
ST	20	40	50	75	100	150
A	74	94	104	136.5	171.5	231.5
B	34.5	54.5	64.5	89.5	114.5	164.5
C	17	37	37	60	60	120
D	30	50	50	85	85	135



Auto switch (reed SW)

Order code No.	030282
TYPE	D-A93

- Weight: 6g
- Applicable load: relay, PLC
- Load voltage: 24VDC
- Load current range: 5mA-40mA
- Wiring: 0.5M OUT brown OUT (+) blue (-)
- Indicator light
- Wiring: ➔ See (6-20)
- Length: 0.5m



Auto switch (contactless)

Order code No.	030425
TYPE	D-M9N

- Weight: 8g
- Applicable load: relay, PLC
- Load voltage: 24VDC
- Load current range: -40mA or lower
- Wiring: 0.5M + V (brown), Load (black), 0V (blue)
- Indicator light
- Wiring: ➔ See (6-20)
- Length: 0.5m

Quick Chuck Change

Quick Chuck Change Manual

Quick Chuck Change Manual (OM Type)

Tool Changer

Automated Hand Exchange System

Grip

Mini Cylinder

Accessories for Mini Cylinder

Container Cylinders

Accessories for Container Cylinder

Grippers

Rubber Material / Grip Pad

Suction

Suction Cups

Suction Stems

Pad in Pad

Vacuum Gripper

Air Ejector / Filter / Check Valve

Ultra Small Part Take Out

Vacuum Generator Unit

Cut

Air Nipper (Small-Medium)

Air Nipper (Large)

Frame / Module

Jungle Gym

Let's Joint

Rectangular Tube

Base Aluminum Material

Sliding Chuck

Pneumatic Components / Sensors

Pneumatic Components

Sensors / Multi AND Board

PCIO Communication Unit

Lightweight Parts Series

Frame / Section / Resin Cylinders / Pads / Resin Manifolds

By Industry

Logistics-Palletizing/Sheet Metal-Stamping-Metal Fabrication

Assembling Tools

Tool / Jig

Information

Various Products Information



Container Cylinder w/ Guided (Double Action) NGCYLseries

New container cylinder with miniaturization and Lightweight.

- ▶ The proportions became more compact when compared to traditional container cylinders (GCYL series).
- ▶ The cylinder is lighter and thrust increased.

TYPE	Weight	Body size	Output	
NEW NGCYL20 * 20	270g	Height : 25mm Length : 63.5mm Width : 85	Push 200N	Pull 150N
GCYL20 * 20	526g	Height : 35mm Length : 74mm Width : 78mm	Push 157N	Pull 117N

Installation of auto switch for act/return limit is possible.



Order code No.	131686
TYPE	NGCYL20*20

- Stroke: 20mm
- Weight: 270g
- Pipe joint is sold separately.

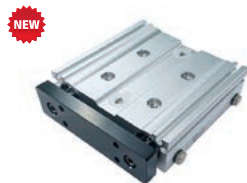
→ See (6-5,6,7)



Order code No.	131687
TYPE	NGCYL20*40

- Stroke: 40mm
- Weight: 370g
- Pipe joint is sold separately.

→ See (6-5,6,7)



Order code No.	131688
TYPE	NGCYL20*50

- Stroke: 50mm
- Weight: 410g
- Pipe joint is sold separately.

→ See (6-5,6,7)



Order code No.	131689
TYPE	NGCYL20*75

- Stroke: 75mm
- Weight: 520g
- Pipe joint is sold separately.

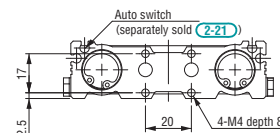
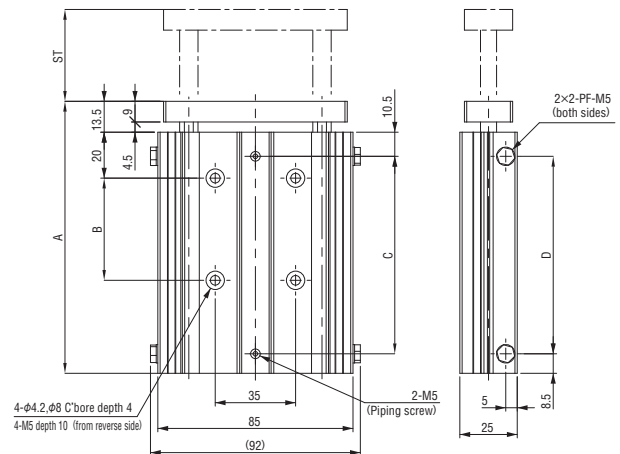
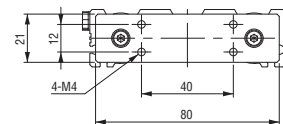
→ See (6-5,6,7)



Order code No.	131690
TYPE	NGCYL20*100

- Stroke: 100mm
- Weight: 1,192g
- Pipe joint is sold separately.

→ See (6-5,6,7)



Dimensions

(mm)

TYPE	NGCYL20*20	NGCYL20*40	NGCYL20*50	NGCYL20*75	NGCYL20*100
ST	20	40	50	75	100
A	63.5	83.5	93.5	118.5	143.5
B	17	27	32	44.5	57
C	31	51	61	86	111
D	31	51	61	86	111

MEMO

This image shows a full page of white paper designed for handwriting practice. It features 20 evenly spaced horizontal dashed lines running across the entire width of the page. There are no margins, text, or other markings present.



Accessories for Container Cylinder

Pads



Used for work grip or positioning.

Nut Plates

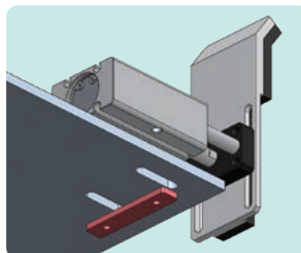


For fixing container cylinders.

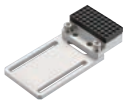
Extension Plate



Setting position can be changed according to the work shape.



■ Specification

Product name		Order code No.	TYPE	Weight (g)	Material	Page of details
Pad • for mini container cylinder		131256	NCON-CP-01	34	Nitrile rubber	2-25
		131257	NCON-CP-02	38		
		131258	NCON-CP-03	38	Steel	
		131259	NCON-CP-04	71	Nitrile rubber	
		131260	NCON-CP-05	71		
		131677	NCON-CP-06A	98		
Extended plate (for wear plate)		230071	XL0006-104	31	Aluminum	
Nut plate • for container cylinder		023196	CP-075	10	Steel	



Technical drawing of a rubber pad assembly. The main view shows a rectangular pad with a width of 40 and a height of 30. It has four holes, each with a diameter of 4.5. The holes are spaced 8 units apart, with a 4-unit margin from the left edge and a 16-unit margin from the right edge. A 10-unit margin is shown from the bottom edge to the center of the holes. A detail view on the right shows a cross-section of the pad, indicating a thickness of 5.5 and a total width of 10 (split into 5 and 5). A label "Rubber Pad 5x20x40" points to the detail view.

- Material: nitrile rubber
- Weight: 34g



- Material: nitrile rubber
- Weight: 38g



- Weight: 38g



Technical drawing of a mechanical part, showing front and side views with dimensions.

Front View Dimensions:

- Total height: 108
- Top section height: 62
- Section below top: 50
- Bottom section height: 5
- Bottom radius: 4-R2.25
- Bottom width: 42
- Inner width: 32
- Inner offset: 16
- Inner radius: 20

Side View Dimensions:

- Top width: 14
- Top thickness: 5
- Top angle: 145°
- Top offset: 13
- Section height: 94
- Bottom offset: 3
- Bottom width: 10

Label: Rubber pad

- Material: nitrile rubber
- Weight: 71g



Technical drawing of a rectangular plate with the following dimensions and features:

- Overall width: 70
- Overall height: 42
- Distance between vertical centerlines: 45
- Distance from right edge to centerline: 20
- Distance from top edge to centerline: 10
- Distance from bottom edge to centerline: 6
- Radius of fillets: 4-R2.25
- Radius of corner: 2-R3
- Thread specification: 2-M4
- Distance from left edge to centerline: 32
- Distance from right edge to centerline: 32
- Distance from top edge to centerline: 16
- Distance from bottom edge to centerline: 16
- Distance from left edge to centerline: 5

- Weight: 31 g



Technical drawing of the NCON-CP-01 connector. The top view shows a rectangular component with a total width of 89mm, a central section of 70mm, and a side section of 19mm. The side view shows a total height of 42mm, with a central section of 32mm and a base of 5mm. The drawing also indicates the use of M4X12 2pcs. screws and a 4-R2.25 radius for the rounded corners. The component is labeled NCON-CP-01.

- Material: nitrile rubber
- Weight: 71g



- Material: nitrile rubber
- Weight: 98g
- Length: 0.3m

* Wiring: black (COM) blue (NO) red (NC)

A contact specification: black (COM) blue (NO)
B contact specification: black (COM) red (NC)



Technical drawing of a mechanical part. The main view shows a rectangular plate with a total width of 10 and a total length of 50. There are two circular holes, each with a diameter of 5. The distance between the centers of the holes is 32. The distance from the left edge to the center of the first hole is 9, and the distance from the center of the second hole to the right edge is 9. A dimension of 5 indicates the radius of each hole. A section line is shown on the right side of the plate, labeled "2-M4". Below the main view is a section view showing the internal structure of the plate, with a total thickness of 8. The section view shows a central rectangular hole with a width of 32 and a depth of 8. The section view is labeled "2-M4" and "2-M4" at the ends.

- Weight: 10g

Information



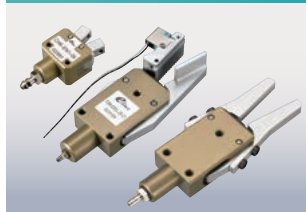
Grippers

Runner Chuck E Series (Claw Superduralumin)



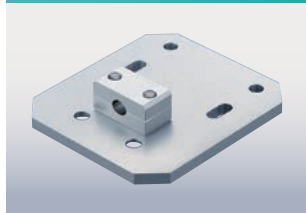
Lightweight, high rigidity, and long operating life with superduralumin. Mounting selection for Tap type and Eins Parts (jungle-gym series) is possible. Two types of check limits can be selected.

Runner Chuck E1 Series (Steel Type)



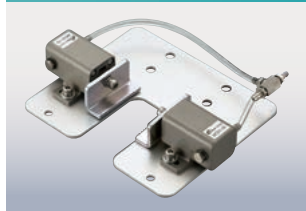
Using superduralumin body and steel claw allows a wide range of uses. Two types of check limits can be selected.

Runner Module



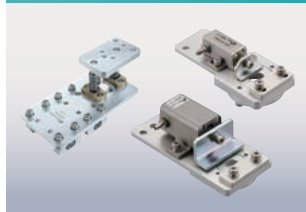
Module kit for runner extraction. Use the runner chuck after fixing it.

Runner Chuck Plate



Extracts runners with MCD1-10 mini cylinder which is directly attached to the robot arm.

Runner Chuck Buffer Unit / Tunnel Gate Runner Chuck



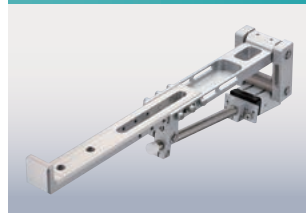
Jumping tunnel gate is caught with tapered section.

Pipe Combination Chuck / Pipe Combination Chuck • Grip



Special cylinder of hinge structure which operates 90 degrees. Used with jungle gym series parts. There's also a type with a holding bracket.

Hinge Chuck Clamp Unit (Double Action)



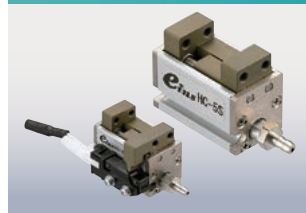
Best Clamp Unit for Hinge Chuck for taking out auto parts of large-scale bumper and Instrument panel, etc.

Magnet Chuck



Neodymium magnet is embedded in the piston section. Using with magnet to transfer steel parts.

Parallel Chucks (Single Action / Double Action)



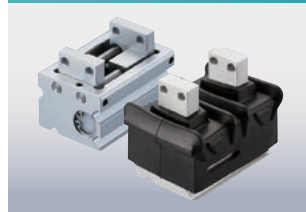
Compact design with low profile and small space.

Three Claws Chuck (Double Action Type)



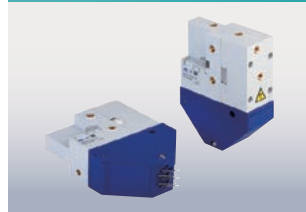
Perfect for gripping the work piece of cylindrical shape. Grip at the cylinder center with 3 claws.

Parallel Hand 15st (Double Action)



Durable bush guide embedded. Also available with rubber for clean rooms.

Needle Gripper



Embedded needle allows holding fiber workpiece with high air permeability.



Please refer to the web site for performance table.

Runner Chuck E series (manual, super duralumin)



w/o sensor
(straight claw type)



With proximity sensor
(straight claw type)



With Limit SW
(straight claw type)

Runner Chuck E1 series (Steel claw type)



w/o sensor
(straight claw type)



With proximity sensor
(straight claw type)



With Limit SW
(straight claw type)

Runner Chuck EMR



Claw rubber cap
(straight claw type)

Specification

Product name			Order code No.	TYPE	Weight (g)	Used air pressure (Mpa)	Grip (N)	Remarks	Page of Details
E series (Super duralumin • straight claw type)	Runner chuck ES (w/o sensor)		022879	CHK-ES-08	18	0.3 } 0.5	5	w/o sensor	2-32
	Runner chuck ES (With proximity sensor)		022883	CHK-ES-08-C	32			Proximity Sensor	
	NEW Runner chuck (With Limit SW)		023456	CHK-ES-08-C1	25			Limit switch	
	Runner chuck EM (w/o sensor)		022878	CHK-EM-12	46		28	W/o sensor	
	Runner chuck EM (With proximity sensor)		022882	CHK-EM-12-C	56			Proximity Sensor	
	NEW Runner chuck EM (With Limit SW)		023457	CHK-EM-12-C1	53			Limit switch	
	Runner chuck EL (w/o sensor)		022877	CHK-EL-12	94		45	W/o sensor	
	Runner chuck EL (With proximity sensor)		022881	CHK-EL-12-C	104			Proximity Sensor	
	NEW Runner chuck EL (With Limit SW)		023458	CHK-EL-12-C1	102			Limit switch	
	Runner chuck EX (w/o sensor)		022876	CHK-EX-20	180		80	W/o sensor	2-33
	Runner chuck EX (With proximity sensor)		022880	CHK-EX-20-C	190			Proximity Sensor	
	NEW Runner chuck EX (With Limit SW)		023459	CHK-EX-20-C1	191			Limit switch	
	NEW Runner chuck EMR (w/o sensor)		023440	CHK-EMR-12	44		28	W/o sensor	
	NEW Claw Cap		023443	CHK-EMR-CPE	0.6		—	—	
E1 series (Steel • straight claw type)	Runner chuck EN (w/o sensor)		022991	CHK-EN1-06	10	0.3 } 0.5	2	W/o sensor	2-34
	Runner chuck ES (w/o sensor)		022992	CHK-ES1-08	22		5	W/o sensor	
	Runner chuck ES (With proximity sensor)		022998	CHK-ES1-08-C	38			Proximity Sensor	
	Runner chuck ES (With Limit SW)		023004	CHK-ES1-08-C1	33			Limit switch	
	Runner chuck EM (w/o sensor)		022993	CHK-EM1-12	67		28	W/o sensor	2-35
	Runner chuck EM (With proximity sensor)		022999	CHK-EM1-12-C	79			Proximity Sensor	
	Runner chuck EM (With Limit SW)		023005	CHK-EM1-12-C1	73			Limit switch	
	Runner chuck EL (w/o sensor)		022994	CHK-EL1-12	143		45	W/o sensor	
	Runner chuck EL (With proximity sensor)		023000	CHK-EL1-12-C	155			Proximity Sensor	
	Runner chuck EL (With Limit SW)		023006	CHK-EL1-12-C1	145			Limit switch	
	Runner chuck EX (w/o sensor)		022995	CHK-EX1-20	280		80	W/o sensor	
	Runner chuck EX (With proximity sensor)		023001	CHK-EX1-20-C	283			Proximity Sensor	
	Runner chuck EX (With Limit SW)		023007	CHK-EX1-20-C1	272			Limit switch	

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Quick Chuck Change Manual
Quick Chuck Change Manual (OM Type)

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Accessories for Container Cylinder

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Rubber Material / Grip Pad

Suction

Suction Cups

Suction Stems

Pad in Pad

Vacuum Gripper

Air Ejector / Filter / Check Valve

Ultra Small Part Take Out

Vacuum Generator Unit

Cut

Air Nipper (Small-Medium)

Air Nipper (Large)

Frame / Module

Jungle Gym

Let's Joint

Rectangular Tube

Base Aluminum Material

Sliding Chuck

Pneumatic Components / Sensors

Pneumatic Components

Sensors / Multi AND Board

PCIO Communication Unit

Lightweight Parts Series

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By Industry

Logistics-Palletizing / Sheet Metal-Stamping- Metal Fabrication

Assembling Tools

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Various Products Information



Please refer to the web site for performance table.

Runner Chuck E1 series (Steel claw type)



W/o sensor
(steel L claw type)



With proximity sensor
(steel L claw type)



With Limit SW
(steel L claw type)



Runner chuck EM
(Attachment/detachment claw)



Runner chuck EM
(Proximity sensor-attachment/
detachment claw)



Runner chuck EM
(Limit SW-attachment/
detachment claw)

■ Specification

Product name			Order code No.	TYPE	Weight (g)	Used air pressure (Mpa)	Grip (N)	Remarks	Page of Details
E1 series (steel L claw type)	Runner chuck EL (w/o sensor)		022996	CHK-EL1L-12	170	0.3 } 0.5	45	W/o sensor	2-36
	Runner chuck EL (With proximity sensor)		023160	CHK-EL2L-12-C	196			Proximity sensor	
	Runner chuck EL (With Limit SW)		023161	CHK-EL2L-12-C1	186			Limit switch	
	Runner chuck EX (w/o sensor)		022997	CHK-EX1L-20	305		80	W/o sensor	
	Runner chuck EX (With proximity sensor)		023158	CHK-EX2L-20-C	335			Proximity sensor	
	Runner chuck EX (With Limit SW)		023159	CHK-EX2L-20-C1	325			Limit switch	
E1 series (Steel-attachable and detachable type claw)	Runner chuck EM (Detachable/attachable claw)		023284	CHK-EMBF-12	70	0.3 } 0.5	28	W/o sensor	2-37
	Runner chuck EM (Proximity sensor-detachable/attachable claw)		023286	CHK-EMBF-12-C	85			Proximity sensor	
	Runner chuck EM (Limit SW-detachable/attachable claw)		023288	CHK-EMBF-12-C1	77			Limit switch	
	Runner chuck EM (Attachment/detachment claw)		023285	CHK-EMF-12	12	—	—	W/o sensor	
	Runner chuck EM (Proximity sensor-detachable/attachable claw)		023287	CHK-EMF-12-C	27	—	—	Proximity sensor	
	Runner chuck EM (Limit SW-detachable/attachable claw)		023289	CHK-EMF-12-C1	20	—	—	Limit switch	
	Runner chuck EX (Detachable/attachable claw)		023290	CHK-EXBF-20	272	0.3 } 0.5	80	W/o sensor	2-38
	Runner chuck EX (Proximity sensor-detachable/attachable claw)		023292	CHK-EXBF-20-C	287			Proximity sensor	
	Runner chuck EX (Limit SW-detachable/attachable claw)		023294	CHK-EXBF-20-C1	278			Limit switch	
	Runner chuck EX (Attachment/detachment claw)		023291	CHK-EXF-20	40	—	—	W/o sensor	
	Runner chuck EX (Proximity sensor-attachment/detachment claw)		023293	CHK-EXF-20-C	54	—	—	Proximity sensor	
	Runner chuck EX (Limit SW-attachment/detachment claw)		023295	CHK-EXF-20-C1	40	—	—	Limit switch	



Please refer to the web site for performance table.

Product name			Order code No.	TYPE	Weight (g)	Used air pressure (Mpa)	Grip (N)	Remarks	Page of Details
Sensor switch for exchange	Proximity sensor Ass'y (E series)		023086	CHK-ESE	10	—	—	For ES	2-33
			023087	CHK-EMLXE				For EM,EL,EX	
	Proximity sensor Ass'y (E1 series)		023014	CHK-E1SME	15			For ES1,EM1	2-35
			023015	CHK-E1LXE				For EL1,EX1, EL2L,EX2L	
	Limit switch Ass'y (E1 series)		023016	CHK-E1SW	7			For ES,EM,EL,EX, ES1,EM1, EL1,EX1, EL2L,EX2L	2-33, 35

Product name			Order code No.	TYPE	Weight (g)	Used air pressure (Mpa)	Torque (Nm)	Remarks	Page of Details
Runner module (w/o chuck)		171227	RM-08	111	0.3 0.5	—	—	For CHK-ES,ES1	2-39
		171228	RM-12	116				For CHK-EM,EM1, EL,EL2,EL2L	
		171229	RM-20	131				For CHK-EX, EX1,EX2L	
Runner chuck plate		022892	CHK-MCD01	396		19	19	MCD1-10/ CP-014	2-40
Runner chuck buffer unit		023439	CHK-BU	294.3		—	—	For CHK-EM,EL	
Tunnel gate runner chuck		090140	J25411-100	76		24	24	UMCD-10/ CPUM-02	
		090141	J25411-000	185		98	98	MCD1-10/ CP-014	
Pipe combination chuck E • φ12 • 90 deg		090204	J25410-40A	29		0.03	0.03	BF-5 (Joint) attached	2-41
Pipe combination chuck D • φ20 • 90 deg		090264	J25410-30B	78		0.06			
90 degree flat A		131218	N01871-101	4.4		—	—	J25410-40A	2-41, 42
90 degree flat B		131479	N01871-102	10.4				J25410-30B MCE-HA	
NEW Pipe combination chuck • grip φ12		090262	J25410G-40	52		0.03	0.03	BF-5 (Joint) attached	2-41
NEW Pipe combination chuck • grip φ20		090263	J25410G-30	102		0.06			
Hinge cylinder		123711	MCE-HA	125		0.08	0.08	Double action type, speed control valve included.	2-42
Hinge chuck clamp unit Double action type		110688	L11540-000B	913		—	—	0 ~ 11.5(degree)	2-43
Hinge chuck suction stem		110567	L11540-109	7				—	

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Vacuum Gripper

Air Ejector / Filter / Check Valve

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Air Nipper (Large)

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Sliding Chuck

Pneumatic Components / Sensors

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By Industry

Logistics-Palletizing/Sheet Metal-Stamping-Metal Fabrication

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Please refer to the web site for performance table.

Product name		Order code No.	TYPE	Weight (g)	Used air pressure (Mpa)	Remarks	Page of Details	
Magnet chuck		 123218	MGC-20	95	0.3 } 0.5	Double-act-type Cylinder	2-44	
Magnet chuck end rubber		 123571	MGC-C	3		For MGC-20 end rubber		
Magnet chuck			185352	SSGM 40G1/4-IG	240	W/o sensor		
			185358	SSGM-S-40-G1/4-IG-NPN	260	W/ NPN output sensor		
			185355	SSGM-S-40-G1/4-IG-PNP		W/ PNP output sensor		
			185353	SSGM 50G1/4-IG	440	W/o sensor		
			185359	SSGM-S-50-G1/4-IG-NPN	460	W/ NPN output sensor		
			185356	SSGM-S-50-G1/4-IG-PNP		W/ PNP output sensor		
			185354	SSGM 70G1/4-IG	715	W/o sensor		
			185360	SSGM-S-70-G1/4-IG-NPN	735	W/ NPN output sensor		
			185357	SSGM-S-70-G1/4-IG-PNP		W/ PNP output sensor		
Parallel chuck 5st (single)			072172	HC-5S	32	5mm (stroke)	2-46	
Parallel chuck 10st (single)			072171	HC-10S	70	10mm (stroke)		
Parallel chuck 10st (double)			072170	HC-10		20mm (stroke)		
NEW Parallel chuck 20st (single)			073319	HC-20S	288	20mm (stroke)		
NEW Parallel chuck 20st (double)			073318	HC-20	284	20mm (stroke)		
With two-wire-type limit switch	Parallel chuck 5st (single)		072702	HC1-5S-C1	50	5mm (stroke)		
	Parallel chuck 10st (single)		072703	HC1-10S-C1	95	10mm (stroke)		
	Parallel chuck 10st (double)		072705	HC1-10-C1		20mm (stroke)		
	Parallel chuck 20st (single)		072704	HC1-20S-C1	305	20mm (stroke)		
	Parallel chuck 20st (double)		072706	HC1-20-C1	300	20mm (stroke)		
Claws	Claw • for parallel chuck		023215	CP-HC10N	9	—	For HC1-10, 10S	2-47
			023216	CP-HC20N	26		For HC1-20, 20S	



Please refer to the web site for performance table.

Product name			Order code No.	TYPE	Weight (g)	Used air pressure (Mpa)	Remarks	Page of Details	
Spacer	Spacer • for parallel chuck			023217	CP-HC10S	1	—	For HC1-10, 10S	2-47
			023218	CP-HC20S	2	For HC1-20, 20S			
Auto switch (reed SW)				030282	D-A93	6		Reed Sw	2-42, 45, 46, 48
Auto switch (contactless)				030425	D-M9N	8		Contactless	2-42, 45, 46, 48, 49
Limit switch Ass'y				072708	HC1-SW1	10	0.4 ~ 0.6	For HC1-5S/10/10S Mounting bolt nut attached	2-46
				072709	HC1-SW2			For HC1-20/20S Mounting bolt nut attached	
Parallel chuck 40st (double) * 2				282205	2HC1-80	650	0.4 ~ 0.6	40mm × 2 (stroke)	2-48
NEW Three claws chuck				197258	TCC-16	60	0.2 ~ 0.7	4mm (stroke)	2-45
				197259	TCC-25	140		6mm (stroke)	
				197260	TCC-32	250		8mm (stroke)	
Parallel chuck (Single action type)	Standard type		123401	MHZ2-10S	55	0.3 } 0.7	4mm (stroke)	2-49	
	Narrow type		122451	MHZ2-10SN					
Parallel hand 15st (double)				071996	HLA-12AS		152	15mm (stroke)	2-50
Parallel hand 20st (double)				070986	HLA-15AS		276	20mm (stroke)	
Parallel hand 25st (double)				071997	HLA-20AS		504	25mm (stroke)	
Parallel hand 15st w/ rubber cover				071999	HLAG-12AS		157	15mm (stroke)	
Parallel hand 20st w/ rubber cover				072000	HLAG-15AS		281	20mm (stroke)	
Auto switch (contactless)				010633	E16-M1		18	—	
Needle gripper				186255	SNG-M-4-0.8	80	0.3 } 0.6	Diameter: 0.8mm	2-51
				186256	SNG-AP-10-0.8-V-10	225		Diameter: 1.2mm	
				186257	SNG-AP-10-1.2-V-10				
Needle piston set for exchange (4 pcs)				041925	ERS-SET-SNG-M-0.8	12	—	For SNG-M-4-0.8	
Needle holder set for exchange (2 pcs)				041926	ERS-SET-SNG-AP/AE-0.8-10	6		For SNG-AP-10-0.8-V-10	
				041927	ERS-SET-SNG-AP/AE-1.2-10			For SNG-AP-10-1.2-V-10	

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Air Nipper (Large)

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Sliding Chuck

Pneumatic Components / Sensors

Pneumatic Components

Sensors / Multi AND Board

PCIO Communication Unit

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Assembling Tools

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Information

Various Products Information



Runner Chuck E Series (Claw Superduralumin)

Lightweight, high rigidity, and long operating life with superduralumin.

▶ Attach with tapped hole or Eins connector parts (Jungle Gym ø8 series).



CHK-ES-08-C

Runner chuck ES With proximity sensor

Order code No.	022883
TYPE	CHK-ES-08-C

- Weight: 32g ● Grip: 5N
- Joint pipe fitting BF-3 included
- Sensor: direct current, three-wire system.
- Terminal process is not made.
- Harness length: 1,000mm

Runner chuck ES w/o sensor

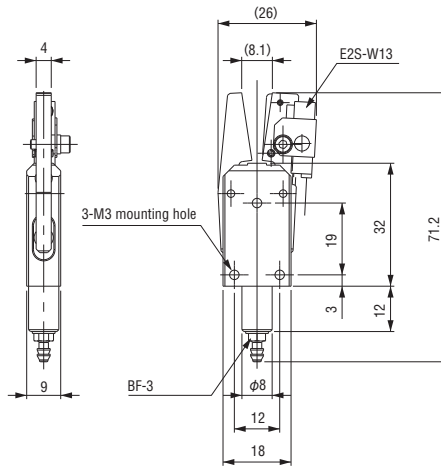
Order code No.	022879
TYPE	CHK-ES-08

- Weight: 18g ● Grip: 5N
- Joint pipe fitting BF-3 included

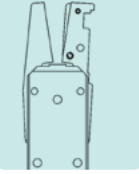
Runner chuck ES With Limit SW

Order code No.	023456
TYPE	CHK-ES-08-C1

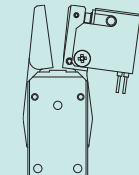
- Weight: 25g ● Grip: 5N
- Joint pipe fitting BF-3 included
- Sensor: direct current, two-wire system.
- Rated current: 1mA 5VAC to 100mA 30VDC
- Terminal process is not made.
- Harness length: 300mm



W/o sensor



With Limit SW



▶ Attach with tapped hole or Eins connector parts (Jungle Gym ø12 series).



CHK-EM-12-C

Runner chuck EM With proximity sensor

Order code No.	022882
TYPE	CHK-EM-12-C

- Weight: 56g ● Grip: 28N
- Joint pipe fitting BF-5 included
- Sensor: direct current, three-wire system.
- Terminal process is not made.
- Harness length: 1,000mm

Runner chuck EM w/o sensor

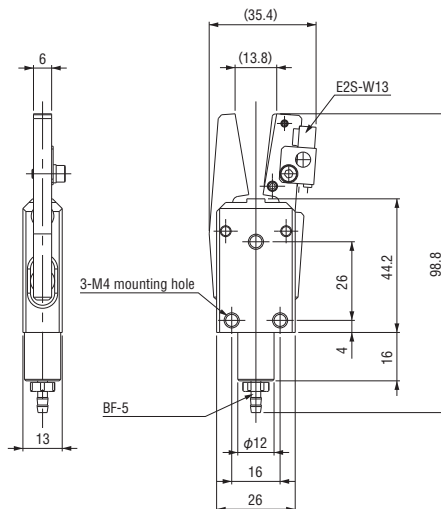
Order code No.	022878
TYPE	CHK-EM-12

- Weight: 46g ● Grip: 28N
- Joint pipe fitting BF-5 included

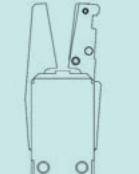
Runner chuck EM With Limit SW

Order code No.	023457
TYPE	CHK-EM-12-C1

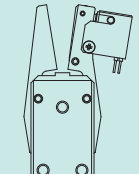
- Weight: 53g ● Grip: 28N
- Joint pipe fitting BF-5 included
- Sensor: direct current, two-wire system.
- Rated current: 1mA 5VAC to 100mA 30VDC
- Terminal process is not made.
- Harness length: 300mm



W/o sensor



With Limit SW



▶ Attach with tapped hole or Eins connector parts (Jungle Gym ø12 series).



CHK-EL-12-C

Runner chuck EL With proximity sensor

Order code No.	022881
TYPE	CHK-EL-12-C

- Weight: 104g ● Grip: 45N
- Joint pipe fitting BF-5 included
- Sensor: direct current, three-wire system.
- Terminal process is not made.
- Harness length: 1,000mm

Runner chuck EL w/o sensor

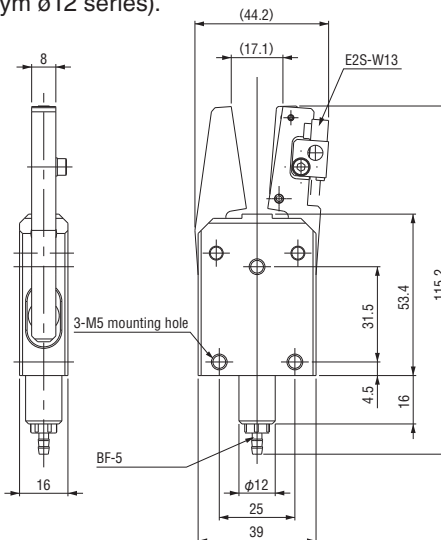
Order code No.	022877
TYPE	CHK-EL-12

- Weight: 94g ● Grip: 45N
- Joint pipe fitting BF-5 included

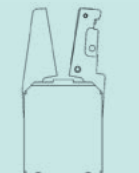
Runner chuck EL With Limit SW

Order code No.	023458
TYPE	CHK-EL-12-C1

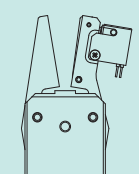
- Weight: 102g ● Grip: 45N
- Joint pipe fitting BF-5 included
- Sensor: direct current, two-wire system.
- Rated current: 1mA 5VAC to 100mA 30VDC
- Terminal process is not made.
- Harness length: 300mm



W/o sensor



With Limit SW





Runner Chuck E1 Series (Steel Type)

Higher wear resistance steel claws.

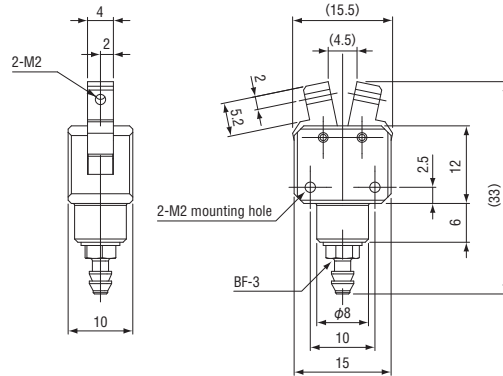
▶ Attach with tapped hole or Eins connector parts (Jungle Gym ϕ 8 series).



Runner chuck EN w/o sensor

Order code No.	022991
TYPE	CHK-EN1-06

- Weight: 10g
- Grip: 2N
- Joint pipe fitting BF-3 included
- Sensor cannot be retrofitted.



▶ Attach with tapped hole or Eins connector parts (Jungle Gym ϕ 8 series).

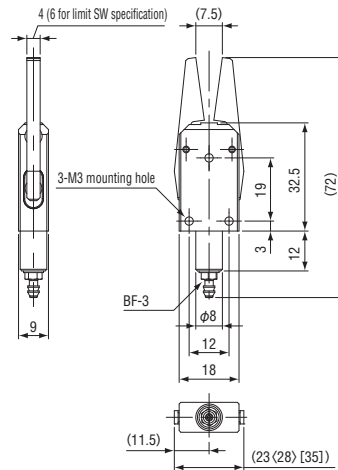


CHK-ES1-08

Runner chuck ES w/o sensor

Order code No.	022992
TYPE	CHK-ES1-08

- Weight: 22g
- Grip: 5N
- Joint pipe fitting BF-3 included
- Sensor cannot be retrofitted.



With
proximity
sensor

With
Limit SW

Runner chuck ES With proximity sensor

Order code No.	022998
TYPE	CHK-ES1-08-C

- Weight: 38g
- Grip: 5N
- Joint pipe fitting BF-3 included
- Sensor: direct current, three-wire system.
- Terminal process is not made.
- Harness length: 1,000mm

Runner chuck ES With Limit SW

Order code No.	023004
TYPE	CHK-ES1-08-C1

- Weight: 33g
- Grip: 5N
- Joint pipe fitting BF-3 included
- Sensor: direct current, two-wire system.
- Rated current: 1mA 5VAC to 100mA 30VDC
- Terminal process is not made.
- Harness length: 300mm

* Base drawing: CHK-ES1-08

* Dimension < >: CHK-ES1-08-C The dimension includes the size of the proximity switch.

* Dimension []: CHK-ES1-08-C1 The dimension includes the size of the proximity switch.

▶ Attach with tapped hole or Eins connector parts (Jungle Gym ϕ 12 series).

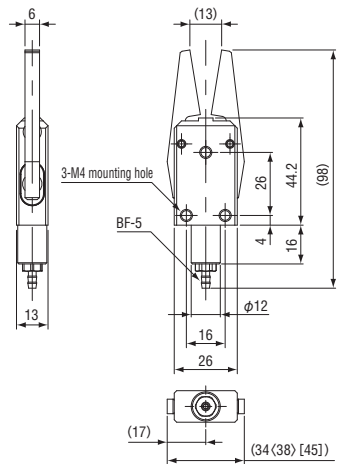


CHK-EM1-12

Runner chuck EM w/o sensor

Order code No.	022993
TYPE	CHK-EM1-12

- Weight: 67g
- Grip: 28N
- Joint pipe fitting BF-5 included
- Sensor cannot be retrofitted.



With
proximity
sensor

With
Limit SW

Runner chuck EM With proximity sensor

Order code No.	022999
TYPE	CHK-EM1-12-C

- Weight: 79g
- Grip: 28N
- Joint pipe fitting BF-5 included
- Sensor: direct current, three-wire system.
- Terminal process is not made.
- Harness length: 1,000mm

Runner chuck EM With Limit SW

Order code No.	023005
TYPE	CHK-EM1-12-C1

- Weight: 73g
- Grip: 28N
- Joint pipe fitting BF-5 included
- Sensor: direct current, two-wire system.
- Rated current: 1mA 5VAC to 100mA 30VDC
- Terminal process is not made.
- Harness length: 300mm

* Base drawing: CHK-EM1-12

* Dimension < >: CHK-EM1-12-C The dimension includes the size of the proximity switch.

* Dimension []: CHK-EM1-12-C1 The dimension includes the size of the proximity switch.

- Attach with tapped hole or Eins connector parts (Jungle Gym ϕ 12 series).



CHK-EL1-12

Runner chuck EL With proximity sensor

Order code No.	023000
TYPE	CHK-EL1-12-C

- Weight: 155g
- Grip: 45N
- Joint pipe fitting BF-5 included
- Sensor: direct current, three-wire system.
- Terminal process is not made.
- Harness length: 1,000mm

Runner chuck EL w/o sensor

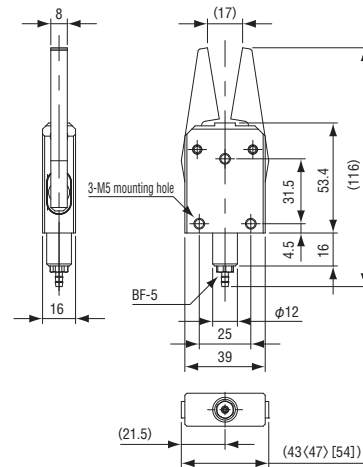
Order code No.	022994
TYPE	CHK-EL1-12

- Weight: 143g
- Grip: 45N
- Joint pipe fitting BF-5 included
- Sensor cannot be retrofitted.

Runner chuck EL With Limit SW

Order code No.	023006
TYPE	CHK-EL1-12-C1

- Weight: 145g
- Grip: 45N
- Joint pipe fitting BF-5 included
- Sensor: direct current, two-wire system.
- Rated current: 1mA 5VAC to 100mA 30VDC
- Terminal process is not made.
- Harness length: 300mm

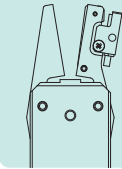


* Base drawing: CHK-EL1-12

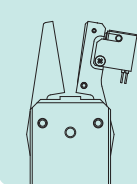
* Dimension < >: CHK-EL1-12-C The dimension includes the size of the proximity switch.

* Dimension []: CHK-EL1-12-C1 The dimension includes the size of the proximity switch.

With
proximity
sensor



With
Limit SW



- Attach with tapped hole or Eins connector parts (Jungle Gym ϕ 20 series).



CHK-EX1-20

Runner chuck EX With proximity sensor

Order code No.	023001
TYPE	CHK-EX1-20-C

- Weight: 283g
- Grip: 80N
- Joint pipe fitting BF-6 included
- Sensor: direct current, three-wire system.
- Terminal process is not made.
- Harness length: 1,000mm

Runner chuck EX w/o sensor

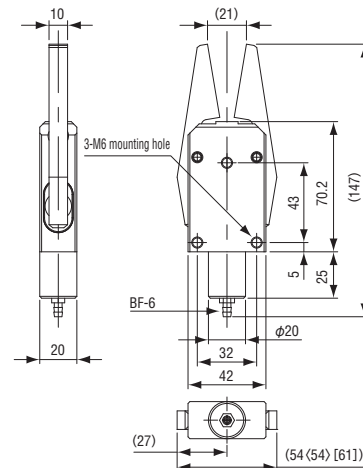
Order code No.	022995
TYPE	CHK-EX1-20

- Weight: 280g
- Grip: 80N
- Joint pipe fitting BF-6 included
- Sensor cannot be retrofitted.

Runner chuck EX With Limit SW

Order code No.	023007
TYPE	CHK-EX1-20-C1

- Weight: 272g
- Grip: 80N
- Joint pipe fitting BF-6 included
- Sensor: direct current, two-wire system.
- Rated current: 1mA 5VAC to 100mA 30VDC
- Terminal process is not made.
- Harness length: 300mm

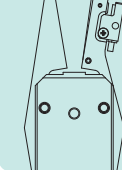


* Base drawing: CHK-EX1-20

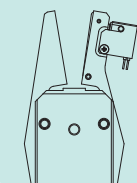
* Dimension < >: CHK-EX1-20-C The dimension includes the size of the proximity switch.

* Dimension []: CHK-EX1-20-C1 The dimension includes the size of the proximity switch.

With
proximity
sensor



With
Limit SW



Proximity sensor Ass'y

Order code No.	023014
TYPE	CHK-E1SME

- Weight: 15g
- NPN output
- For: ES1/EM1 (Installation to E series is impossible).
- Set Includes: proximity sensor, mounting bracket, mounting bolts
- Terminal process is not made.
- Harness length: 1,000mm



Proximity sensor Ass'y

Order code No.	023015
TYPE	CHK-E1LXE

- Weight: 15g
- NPN output
- For: EL1/EX1/EL2L/EX2L (Installation to E series is impossible).
- Set Includes: proximity sensor, mounting bracket, mounting bolts
- Terminal process is not made.
- Harness length: 1,000mm



Limit switch Ass'y

Order code No.	023016
TYPE	CHK-E1SW

- Weight: 7g
- For: E1 series (ES1/EM1/EL1/EX1/EL2L/EX2L) E series (ES/EM/EL/EX)
- Set Includes: proximity sensor, mounting bracket, mounting bolts
- Rated current: 1mA 5VAC to 100mA 30VDC
- Terminal process is not made.
- Harness length: 300mm

Quick Chuck Change

Quick Chuck
Change
Manual

Quick Chuck
Change Manual
(OM Type)

Tool
Changer

Automated
Hand Exchange
System

Grip

Mini
Cylinder

Accessories
for Mini
Cylinder

Container
Cylinders

Accessories
for Container
Cylinder

Grippers

Rubber
Material /
Grip Pad

Section

Suction
Cups

Suction
Stems

Pad in Pad

Vacuum
Gripper

Air Ejector /
Filter /
Check Valve

Ultra
Small Part
Take Out

Vacuum
Generator
Unit

Cut

Air Nipper
(Small-Medium)

Air Nipper
(Large)

Frame / Module

Jungle
Gym

Let's Joint

Rectangular
Tube

Base
Aluminum
Material

Sliding
Chuck

Pneumatic Components / Sensors

Pneumatic
Components

Sensors /
Multi AND
Board

PCIO
Communication
Unit

Lightweight Parts Series

Frame / Section /
Resin Cylinders / Pads /
Resin Manifolds

By Industry

Logistics-Palletizing/
Sheet Metal-Stamping-
Metal Fabrication

Assembling Tools

Tool / Jig

Information

Various Products
Information



Runner Chuck E1 Series (Steel L Claw Type)

Higher wear resistance steel claws.

▶ Attach with tapped hole or Eins connector parts (Jungle Gym ϕ 12 series).



CHK-EL1L-12

Runner chuck EL With proximity sensor

Order code No.	023160
TYPE	CHK-EL2L-12-C

- Weight: 196g
- Grip: 45N
- Joint pipe fitting BF-5 included
- Sensor: direct current, three-wire system.
- Terminal process is not made.
- Harness length: 1,000mm

Runner chuck EL w/o sensor

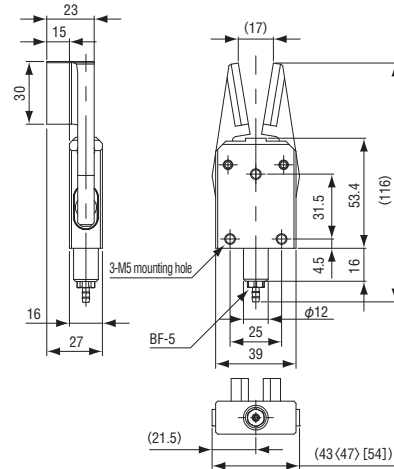
Order code No.	022996
TYPE	CHK-EL1L-12

- Weight: 170g
- Grip: 45N
- Joint pipe fitting BF-5 included
- Sensor cannot be retrofitted.

Runner chuck EL With Limit SW

Order code No.	023161
TYPE	CHK-EL2L-12-C1

- Weight: 186g
- Grip: 45N
- Joint pipe fitting BF-5 included
- Sensor: direct current, two-wire system.
- Sensor mounting position was changed.
- Rated current: 1mA 5VAC to 100mA 30VDC
- Terminal process is not made.
- Harness length: 300mm



With
proximity
sensor

With
Limit SW

* Base drawing: CHK-EL1L-12

* Dimension < >: CHK-EL2L-12-C The dimension includes the size of the proximity switch.

* Dimension []: CHK-EL2L-12-C1 The dimension includes the size of the proximity switch.

▶ Attach with tapped hole or Eins connector parts (Jungle Gym ϕ 20 series).



CHK-EX1L-20

Runner chuck EX With proximity sensor

Order code No.	023158
TYPE	CHK-EX2L-20-C

- Weight: 335g
- Grip: 80N
- Joint pipe fitting BF-6 included
- Sensor: direct current, three-wire system.
- Terminal process is not made.
- Harness length: 1,000mm

Runner chuck EX w/o sensor

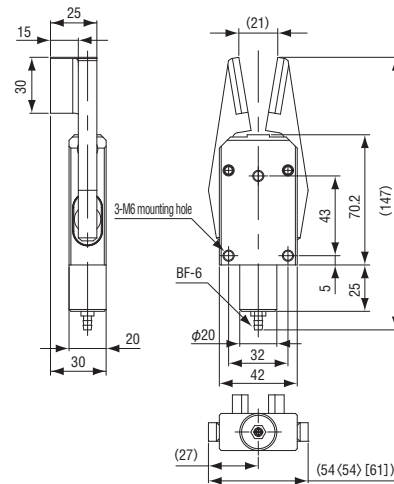
Order code No.	022997
TYPE	CHK-EX1L-20

- Weight: 305g
- Grip: 80N
- Joint pipe fitting BF-6 included
- Sensor cannot be retrofitted.

Runner chuck EX With Limit SW

Order code No.	023159
TYPE	CHK-EX2L-20-C1

- Weight: 325g
- Grip: 80N
- Joint pipe fitting BF-6 included
- Sensor: direct current, two-wire system.
- Sensor mounting position was changed.
- Rated current: 1mA 5VAC to 100mA 30VDC
- Terminal process is not made.
- Harness length: 300mm



With
proximity
sensor

With
Limit SW

* Base drawing: CHK-EX1L-20

* Dimension < >: CHK-EX2L-20-C The dimension includes the size of the proximity switch.

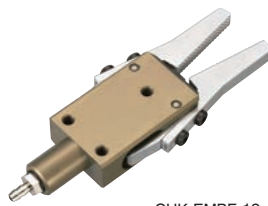
* Dimension []: CHK-EX2L-20-C1 The dimension includes the size of the proximity switch.



Runner Chuck E1 Series (Detachable / Attachable Claw)

Chuck claw exchange type newly added to product lineup.

- Attach with tapped hole or Eins connector parts (Jungle Gym ϕ 12 series).



CHK-EMBF-12

Runner chuck EM (Proximity sensor·detachable/ attachable claw)

Order code No.	023286
TYPE	CHK-EMBF-12-C

- Weight: 85g
- Grip: 28N
- Joint pipe fitting BF-5 included
- Sensor: direct current, three-wire system.
- Terminal process is not made.
- Harness length: 1,000mm

Runner chuck EM (Detachable/attachable claw)

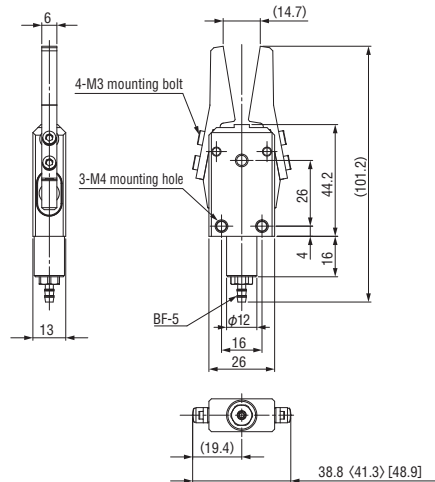
Order code No.	023284
TYPE	CHK-EMBF-12

- Weight: 70g
- Grip: 28N
- Joint pipe fitting BF-5 included
- Sensor cannot be retrofitted.

Runner chuck EM (Limit SW·detachable/ attachable claw)

Order code No.	023288
TYPE	CHK-EMBF-12-C1

- Weight: 77g
- Grip: 28N
- Joint pipe fitting BF-5 included
- Sensor: direct current, two-wire system.
- Rated current: 1mA 5VAC to 100mA 30VDC
- Terminal process is not made.
- Harness length: 300mm

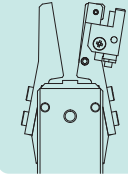


* Base drawing: CHK-EMBF-12

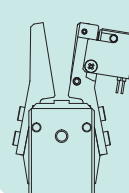
* Dimension < >: CHK-EMBF-12-C The dimension includes the size of the proximity switch.

* Dimension []: CHK-EMBF-12-C1 The dimension includes the size of the proximity switch.

With
proximity
sensor



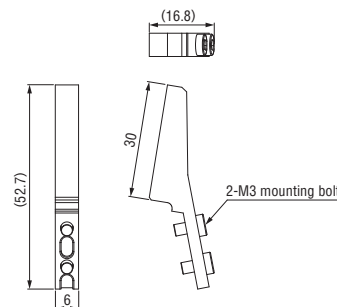
With
Limit SW



Runner chuck EM (Attachment/ detachment claw)

Order code No.	023285
TYPE	CHK-EMF-12

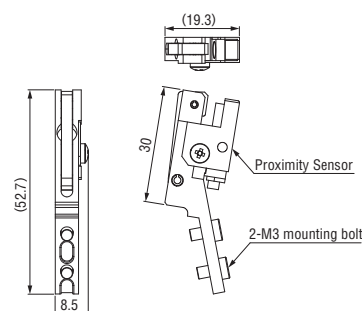
- Weight: 12g
- Sensor cannot be retrofitted.



Runner chuck EM (Proximity sensor·attachment/ detachment claw)

Order code No.	023287
TYPE	CHK-EMF-12-C

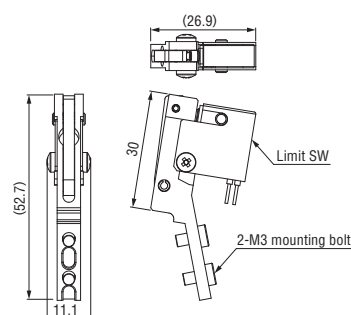
- Weight: 27g
- Sensor: direct current, three-wire system.
- Terminal process is not made.
- Harness length: 1,000mm
- Sensor Ass'y → See (2-35)
- (Sensor: CHK-E1SME)



Runner chuck EM (Limit SW·attachment/ detachment claw)

Order code No.	023289
TYPE	CHK-EMF-12-C1

- Weight: 20g
- Sensor: direct current, two-wire system.
- Rated current: 1mA 5VAC to 100mA 30VDC
- Terminal process is not made.
- Harness length: 300mm
- Sensor Ass'y → See (2-35)
- (Sensor: CHK-E1SW)



Quick Chuck Change

Quick Chuck
Change Manual

Quick Chuck
Change Manual
(OM Type)

Tool
Changer

Automated
Hand Exchange
System

Grip

Mini
Cylinder

Accessories
for Mini
Cylinder

Container
Cylinders

Accessories
for Container
Cylinder

Grippers

Rubber
Material /
Grip Pad

Section

Suction
Cups

Suction
Stems

Pad in Pad

Vacuum
Gripper

Air Ejector /
Filter /
Check Valve

Ultra
Small Part
Take Out

Vacuum
Generator
Unit

Cut

Air Nipper
(Small-Medium)

Air Nipper
(Large)

Frame / Module

Jungle
Gym

Let's Joint

Rectangular
Tube

Base
Aluminum
Material

Sliding
Chuck

Pneumatic Components / Sensors

Pneumatic
Components

Sensors /
Multi AND
Board

PCIO
Communication
Unit

Lightweight Parts Series

Frame / Section /
Resin Cylinders / Pads /
Resin Manifolds

By Industry

Logistics-Palletizing/
Sheet Metal-Stamping/
Metal Fabrication

Assembling Tools

Tool / Jig

Information

Various Products
Information

Runner Chuck E1 Series (Detachable / Attachable Claw)

▶ Attach with tapped hole or Eins connector parts (Jungle Gym ϕ 20 series).



CHK-EXBF-20

Runner chuck EX (Proximity sensor·detachable/ attachable claw)

Order code No.	023292
TYPE	CHK-EXBF-20-C

- Weight: 287g
- Grip: 80N
- Joint pipe fitting BF-6 included
- Sensor: direct current, three-wire system.
- Terminal process is not made.
- Harness length: 1,000mm

Runner chuck EX (Detachable/attachable claw)

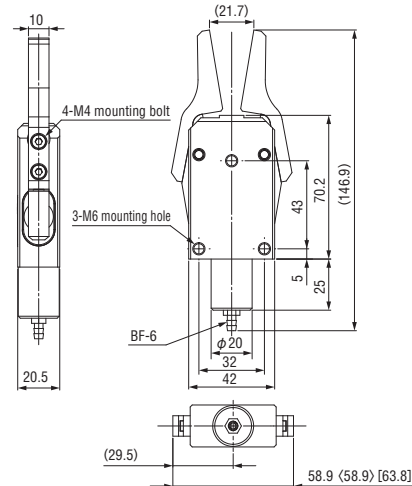
Order code No.	023290
TYPE	CHK-EXBF-20

- Weight: 272g
- Grip: 80N
- Joint pipe fitting BF-6 included
- Sensor cannot be retrofitted.

Runner chuck EX (Limit SW·detachable/ attachable claw)

Order code No.	023294
TYPE	CHK-EXBF-20-C1

- Weight: 278g
- Grip: 80N
- Joint pipe fitting BF-6 included
- Sensor: direct current, two-wire system.
- Rated current: 1mA 5VAC to 100mA 30VDC
- Terminal process is not made.
- Harness length: 300mm

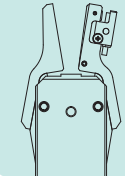


* Base drawing: CHK-EXBF-20

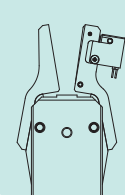
* Dimension < >: CHK-EXBF-20-C The dimension includes the size of the proximity switch.

* Dimension []: CHK-EXBF-20-C1 The dimension includes the size of the proximity switch.

With
proximity
sensor



With
Limit SW



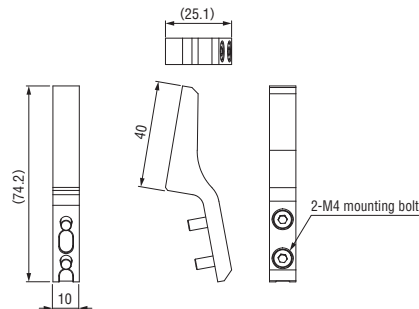
▶ Claw Ass'y with attachable and detachable claw.



Runner chuck EX (Attachment/ detachment claw)

Order code No.	023291
TYPE	CHK-EXF-20

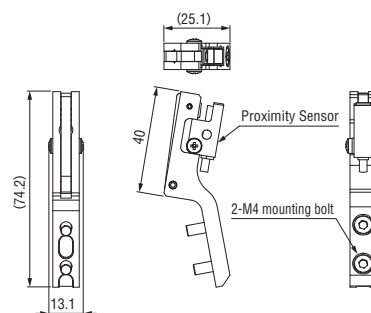
- Weight: 40g
- Sensor cannot be retrofitted.



Runner chuck EX (Proximity sensor·attachment/ detachment claw)

Order code No.	023293
TYPE	CHK-EXF-20-C

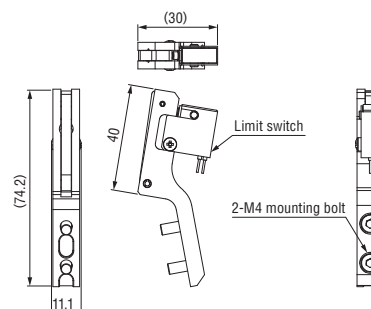
- Weight: 54g
- Sensor: direct current, three-wire system.
- Terminal process is not made.
- Harness length: 1,000mm
- Sensor Ass'y → See (2-35)
- (sensor : CHK-E1LXE)



Runner chuck EX (Limit SW·attachment/ detachment claw)

Order code No.	023295
TYPE	CHK-EXF-20-C1

- Weight: 40g
- Sensor: direct current, two-wire system.
- Rated current: 1mA 5VAC to 100mA 30VDC
- Terminal process is not made.
- Harness length: 300mm
- Sensor Ass'y → See (2-35)
- (sensor : CHK-E1SW)

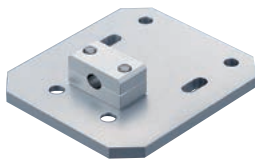




Runner Module / Runner Chuck Plate

Runner chuck unit directly detachable to the robot arm.

► Module unit with runner chuck.



Runner module w/o chuck

Order code No.	171227
TYPE	RM-08

- Runner chuck is sold separately.
- Runner chuck mounting bracket: Slide bracket W ϕ 8
- Weight: 111g

Applicable chuck
CHK-ES/ES1 Type



Runner module w/o chuck

Order code No.	171228
TYPE	RM-12

- Runner chuck is sold separately.
- Runner chuck mounting bracket: Slide bracket W ϕ 12
- Weight: 116g

Applicable chuck
CHK-EM/EM1/EL/EL1/EL2L/EMBF Type



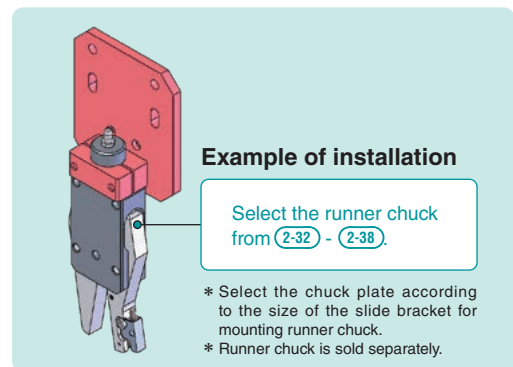
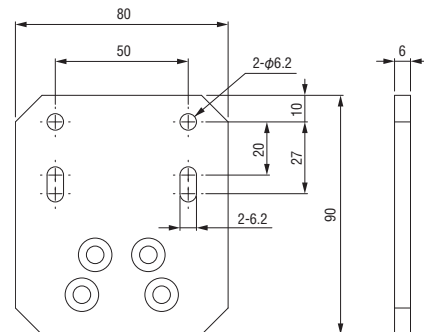
Runner module w/o chuck

Order code No.	171229
TYPE	RM-20

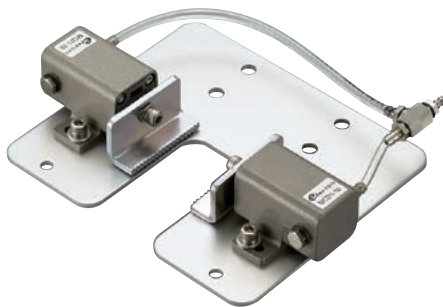
- Runner chuck is sold separately.
- Runner chuck mounting bracket: Slide bracket W ϕ 20
- Weight: 131g

Applicable chuck
CHK-EX/EX1/EX2L/EXBF Type

Three-point common plate



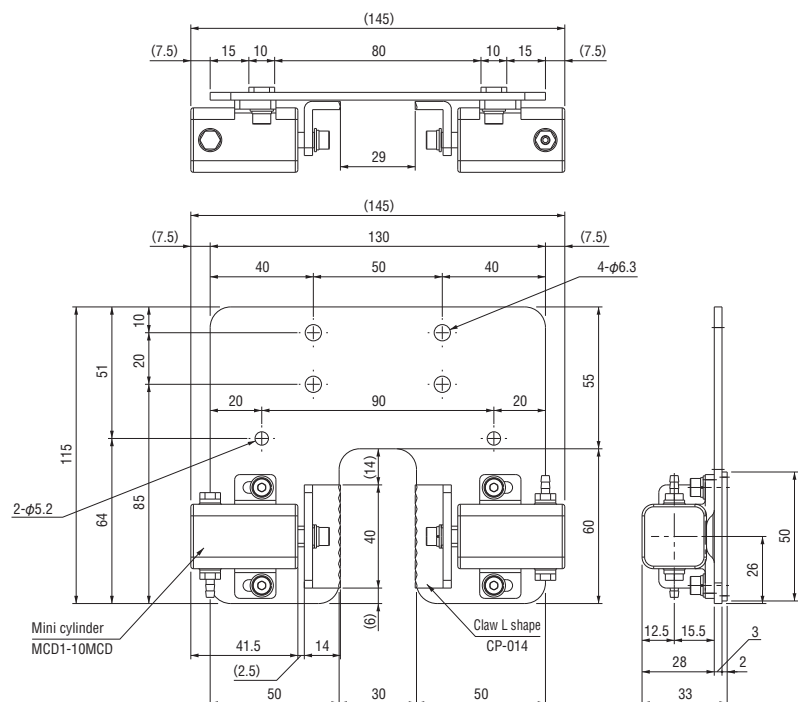
► Runner chuck which grips runners with mini cylinders.



Runner chuck plate

Order code No.	022892
TYPE	CHK-MCD01

- Weight: 396g
- Joint pipe fitting BF-5 included



Quick Chuck Change

Quick Chuck Change Manual

Quick Chuck Change Manual (OM Type)

Tool Changer

Automated Hand Exchange System

Grip

Mini Cylinder

Accessories for Mini Cylinder

Container Cylinders

Accessories for Container Cylinder

Grippers

Rubber Material / Grip Pad

Suction

Suction Cups

Suction Stems

Pad in Pad

Vacuum Gripper

Air Ejector / Filter / Check Valve

Ultra Small Part Take Out

Vacuum Generator Unit

Cut

Air Nipper (Small-Medium)

Air Nipper (Large)

Frame / Module

Jungle Gym

Let's Joint

Rectangular Tube

Base Aluminum Material

Sliding Chuck

Pneumatic Components / Sensors

Pneumatic Components

Sensors / Multi AND Board

PCIO Communication Unit

Lightweight Parts Series

Frame / Section / Resin Cylinders / Pads / Resin Manifolds

By Industry

Logistics-Palletizing/Sheet Metal-Stamping-Metal Fabrication

Assembling Tools

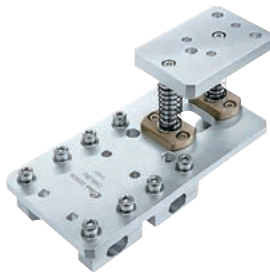
Tool / Jig

Information

Various Products Information

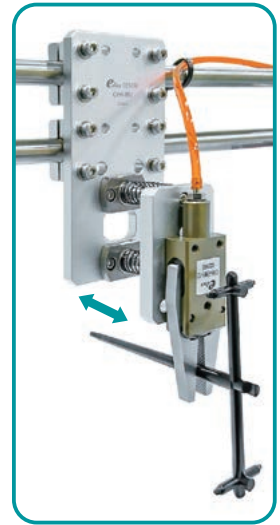


► The specific protruding ejector of tunnel gate is absorbed by buffer.



Order code No.	023439
TYPE	CHK-BU

-
- Technical drawing of the CHK-EM series mounting bracket, showing dimensions and mounting details.
- Dimensions:**
- Overall width: 62
 - Overall height: 97
 - Mounting plate height: 120
 - Bracket height: 26
 - Bracket width: 40
 - Bracket depth: 16
 - Bracket offset: 25
 - Bracket hole offset: 31.5
 - Bracket hole diameter: $\phi 4.5$
 - Bracket hole depth: 3 (from reverse side)
 - Bracket hole diameter: $\phi 8$ C (bore depth 3 (from reverse side) [for CHK-EM series mounting])
 - Bracket hole diameter: $\phi 9.5$ C (bore depth 3 (from reverse side) [for CHK-EL series mounting])
 - Bracket hole diameter: $\phi 12$
 - Bracket hole diameter: 18
 - Bracket hole diameter: 37
 - Bracket hole diameter: 19st
 - Bracket hole diameter: 8
 - Bracket hole diameter: 71
- Mounting Details:**
- 3- $\phi 5.5$ (for CHK-EL series mounting)
 - 3- $\phi 4.5$ (for CHK-EM series mounting)



Order code No.	090140
TYPE	J25411-100

-



Order code No.	090141
TYPE	J25411-000

- [illegible]



Pipe Combination Chuck / Pipe Combination Chuck • Grip

Special cylinder of hinge structure which operates 90 degrees. Connection to jungle gym is possible.

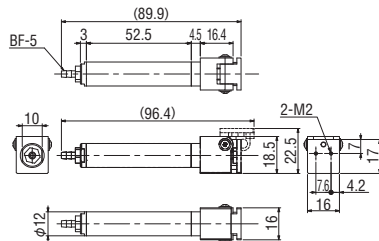
► High-strength specification of link section



Pipe combination chuck E • φ12 • 90 deg

Order code No.	090204
TYPE	J25410-40A

- Weight: 29g
- Joint pipe fitting BF-5 included
- Torque: 0.03Nm
- Structure : Single Action Type



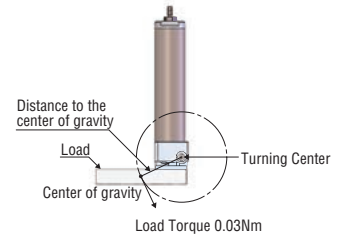
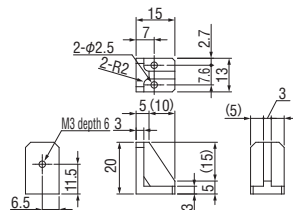
► Option



90 degree flat A

Order code No.	131218
TYPE	N01871-101

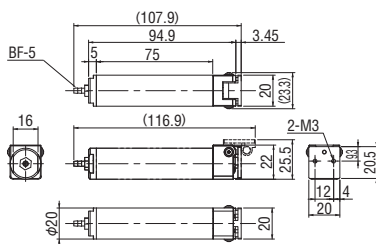
- Weight: 4.4g



Pipe combination chuck D • φ20 • 90 deg

Order code No.	090264
TYPE	J25410-30B

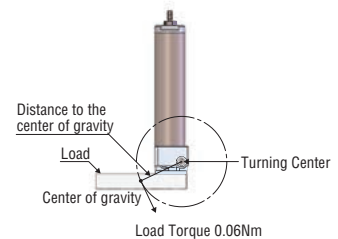
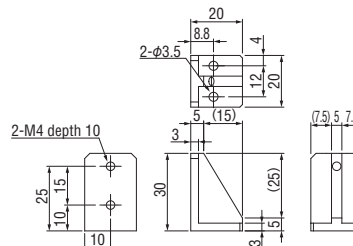
- Weight: 78g
- Joint pipe fitting BF-5 included
- Torque: 0.06Nm
- Structure : Single Action Type



90 degree flat B

Order code No.	131479
TYPE	N01871-102

- Weight: 10.4g



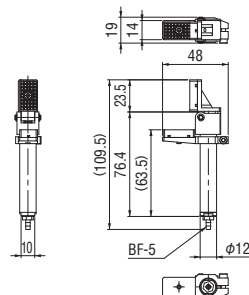
► The pipe combination chuck and holding bracket enable gripping of the product by hinge action.



Pipe combination chuck • grip φ12

Order code No.	090262
TYPE	J25410G-40

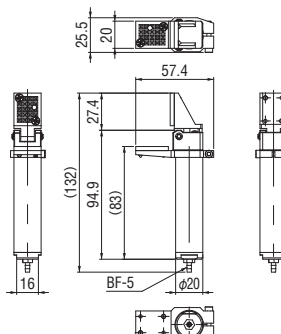
- Structure : Single Action Type
- Weight: 52g
- Gripping force: 0.03Nm
- Joint pipe fitting BF-5 included
- Position of holding bracket is adjustable



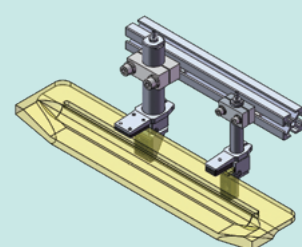
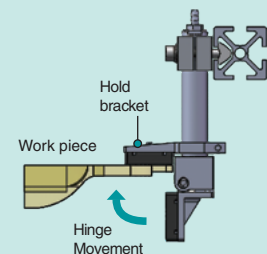
Pipe combination chuck • grip φ20

Order code No.	090263
TYPE	J25410G-30

- Structure : Single Action Type
- Weight: 102g
- Gripping force: 0.06Nm
- Joint pipe fitting BF-5 included
- Position of holding bracket is adjustable



The product is held by the holding bracket and hinge action.



Quick Chuck Change

Quick Chuck Change Manual

Quick Chuck Change Manual (OM Type)

Tool Changer

Automated Hand Exchange System

Grip

Mini Cylinder

Accessories for Mini Cylinder

Container Cylinders

Accessories for Container Cylinder

Grippers

Rubber Material / Grip Pad

Suction

Suction Cups

Suction Stems

Pad in Pad

Vacuum Gripper

Air Ejector / Filter / Check Valve

Ultra Small Part Take Out

Vacuum Generator Unit

Cut

Air Nipper (Small-Medium)

Air Nipper (Large)

Frame / Module

Jungle Gym

Let's Joint

Rectangular Tube

Base Aluminum Material

Sliding Chuck

Pneumatic Components / Sensors

Pneumatic Components

Sensors / Multi AND Board

PCIO Communication Unit

Lightweight Parts Series

Frame / Section / Resin Cylinders / Pads / Resin Manifolds

By Industry

Logistics - Palletizing / Sheet Metal - Stamping - Metal Fabrication

Assembling Tools

Tool / Jig

Information

Various Products Information



Hinge Cylinder

Special cylinder of hinge structure which operates 90 degrees.

Hinge cylinder



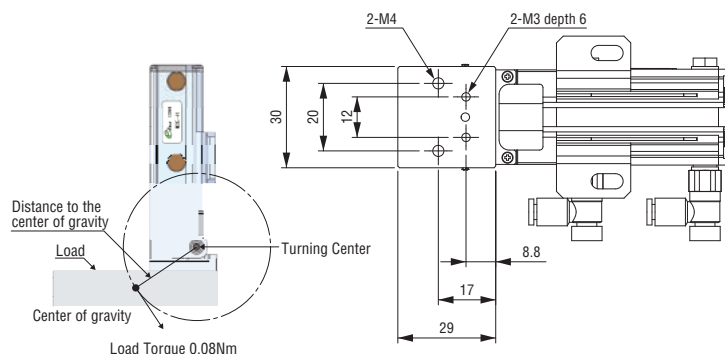
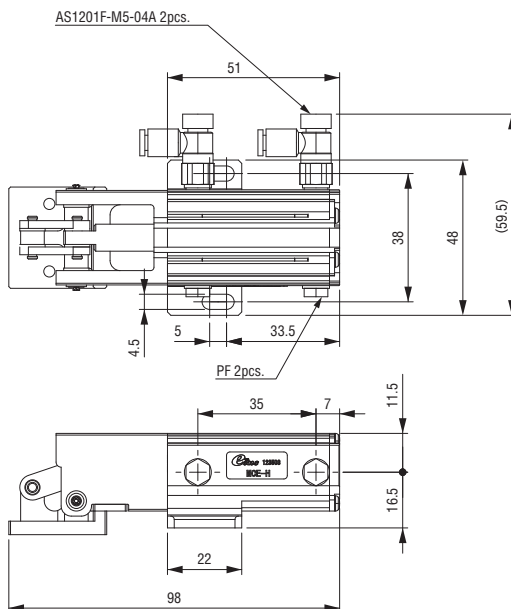
You can see moving images of products by using QR code reader of your smartphone.



Double action type

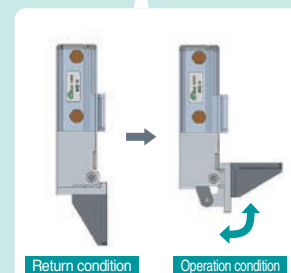
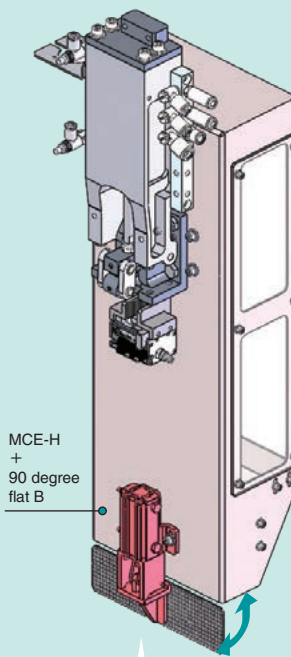
Order code No.	123711
TYPE	MCE-HA

- Weight: 125g
- With Flow controller (AS1201F-M5-04A)
- Torque: 0.08Nm
- Auto switch can be attached



Example of use

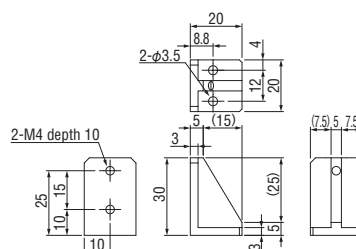
[Used to open/close the bottom plate of BOX chuck.]



90 degree flat B

Order code No.	131479
TYPE	N01871-102

- Weight: 10.4g



Auto switch (reed SW)

Order code No.	030282
TYPE	D-A93

- Weight: 6g
- Applicable load: relay, PLC
- Load voltage: 24VDC
- Load current range: 5mA-40mA
- Lead wire: 0.5m OUT (+) brown OUT (-) blue
- Indicator light
- Terminal process is not made.
- Wiring → See (6-20)
- Length: 0.5m



Auto switch (contactless)

Order code No.	030425
TYPE	D-M9N

- Weight: 8g
- Applicable load: relay, PLC
- Load voltage: 24VDC
- Load current range: -40mA or lower
- Lead wire: 0.5m brown (+) blue (-)
- Indicator light
- Terminal process is not made.
- Wiring → See (6-20)
- Length: 0.5m





Hinge Chuck Clamp Unit (Double Action)

Best for extracting large parts.

- ▶ Double action type hinge chuck consist with mini container cylinder.
- ▶ Best solution for large parts extraction like automobile bumper or instrument panel, etc.

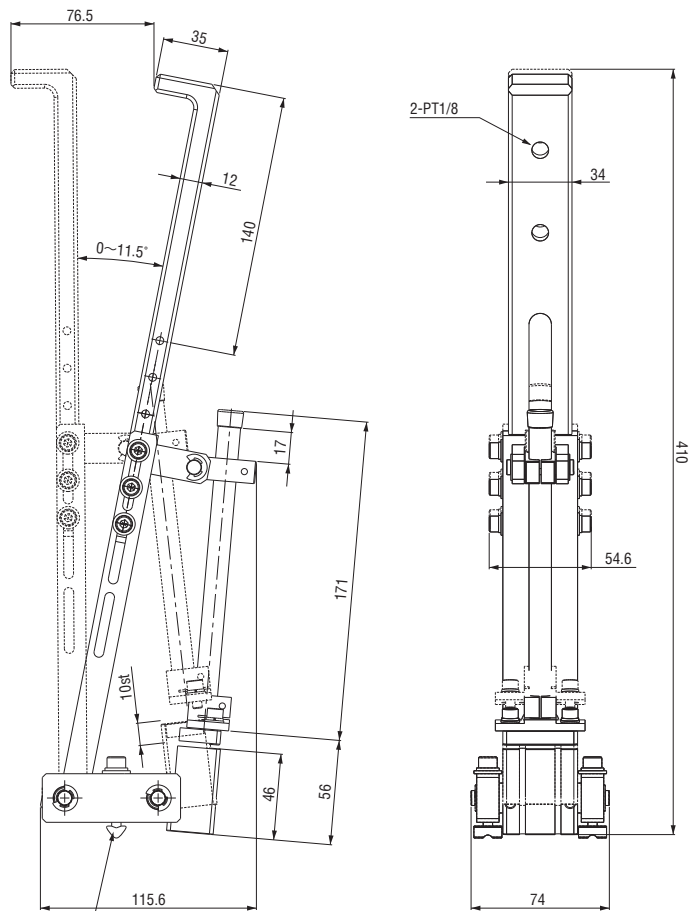
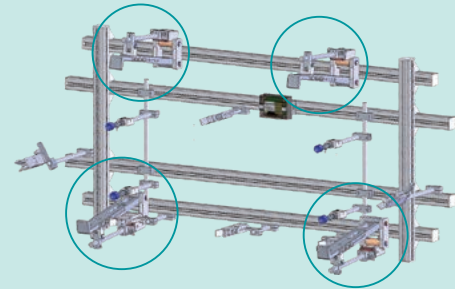


Hinge chuck • clamp unit

Order code No.	110688
TYPE	L11540-000B

- Weight: 913g
- Pipe joint is sold separately. ➔ See [6-5,6,7](#)

Example of use



2-M6 mounting nut
(Example of assembly, the bolt and nut aren't included)

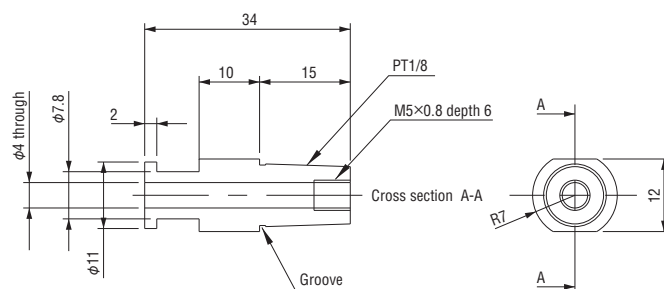
- ▶ Suction cup small series can be mounted.



Hinge chuck • suction stem

Order code No.	110567
TYPE	L11540-109

- Weight: 7g



Quick Chuck Change

Quick Chuck Change Manual
Quick Chuck Change Manual (OM Type)

Tool Changer

Automated Hand Exchange System

Grip

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Accessories for Mini Cylinder

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Accessories for Container Cylinder

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Rubber Material / Grip Pad

Suction

Suction Cups

Suction Stems

Pad in Pad

Vacuum Gripper

Air Ejector / Filter / Check Valve

Ultra Small Part Take Out

Vacuum Generator Unit

Cut

Air Nipper (Small-Medium)

Air Nipper (Large)

Frame / Module

Jungle Gym

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Rectangular Tube

Base Aluminum Material

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Pneumatic Components / Sensors

Pneumatic Components

Sensors / Multi AND Board

PCIO Communication Unit

Lightweight Parts Series

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Logistics-Palletizing/Sheet Metal-Stamping-Metal Fabrication

Assembling Tools

Tool / Jig

Information

Various Products Information



Magnet Chucks

Neodymium magnet is embedded in the chuck parts.

- ▶ Powerful holding force with the magnet.
- ▶ Lightweight with compact design
- ▶ Jungle gym with $\phi 20$ series
- ▶ Using with magnet to transfer steel parts.



Magnet chuck

Order code No.	123218
TYPE	MGC-20

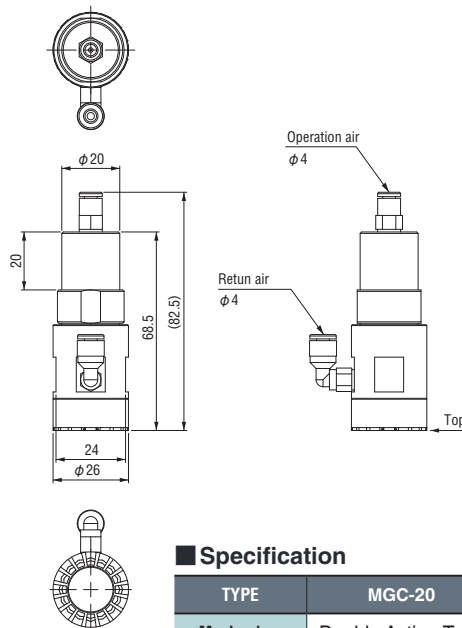
- Double-act-type cylinder
- Weight: 95g
- Joint pipe fitting KQ2L04-M5N included

Magnet chuck end rubber



Order code No.	123571
TYPE	MGC-C

- Weight: 3g
- Material: urethane rubber



Specification

TYPE	MGC-20
Mechanism	Double Action Type
Air pressure	0.39 ~ 0.49Mpa
Holding force	25N
Residual magnet*	0.01N Max.

* Indicates the residual magnet at the top in return operation.

Magnet chucks

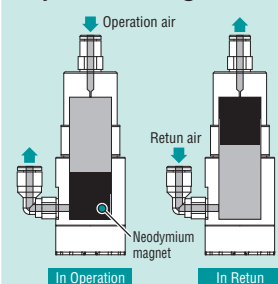


You can see moving images of products by using QR code reader of your smartphone.



Example of use for a steel plate transport chuck

Operation image



- ▶ Strong holding of uneven / perforated steel plate with permanent magnet!
- Product with sensor to detect magnet position is also available.

Holding force	100N	180N	290N
Magnet chuck			
Drawing			
W/o sensor	Order code No.	185352	185353
	TYPE	SSGM 40G 1/4-IG	SSGM 50G 1/4-IG
	Weight	240g	440g
W/ NPN output sensor	Order code No.	185358	185359
	TYPE	SSGM-S-40-G1/4-IG-NPN	SSGM-S-50-G1/4-IG-NPN
	Weight	260g	460g
W/ PNP output sensor	Order code No.	185355	185356
	TYPE	SSGM-S-40-G1/4-IG-PNP	SSGM-S-50-G1/4-IG-PNP
	Weight	260g	460g
W/ PNP output sensor	Order code No.	185357	185357
	TYPE	SSGM-S-70-G1/4-IG-PNP	SSGM-S-70-G1/4-IG-PNP
	Weight	735g	735g

● Material of non-slip ring : Polyurethane PU

● Pipe joint is sold separately. → See **6-5,6,7**



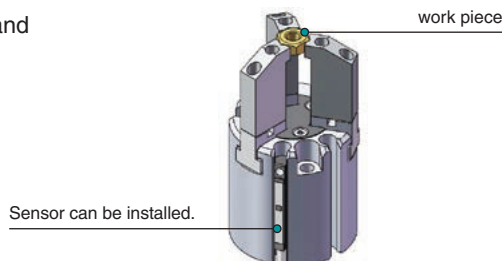
Three Claws Chuck (Double Action Type)

Perfect for gripping the work piece of cylindrical shape.

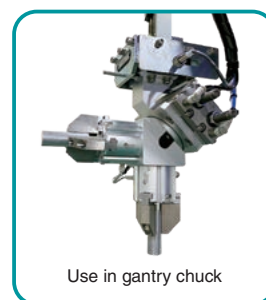
- It balances well at cylinder center, and grips the work piece accurately.

Accuracy of movement

±0.01mm



TCC-16 / TCC-25 / TCC-32



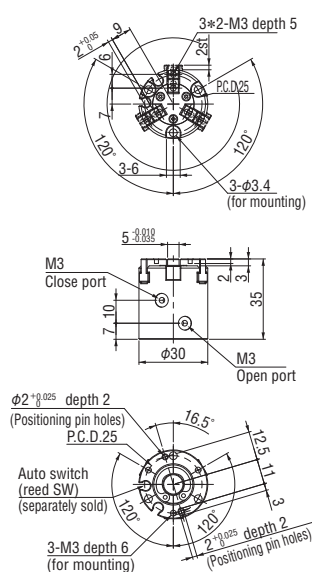
Use in gantry chuck

NEW

Three Claws Chuck

Order code No.	197258
TYPE	TCC-16

- Stroke: 4mm
- Weight: 60g
- Structure: Double Action Type
- Pipe joint is sold separately. → See (6-5,6,7)
- Auto switch can be attached

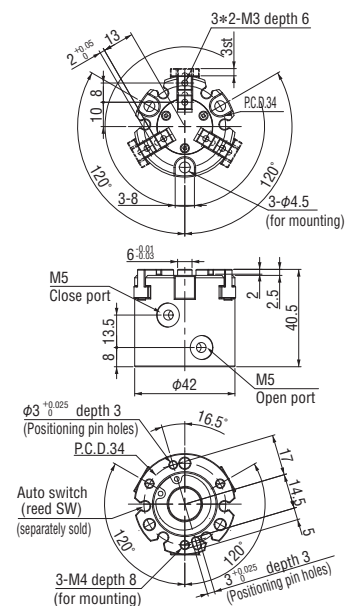


NEW

Three Claws Chuck

Order code No.	197259
TYPE	TCC-25

- Stroke: 6mm
- Weight: 140g
- Structure: Double Action Type
- Pipe joint is sold separately. → See (6-5,6,7)
- Auto switch can be attached

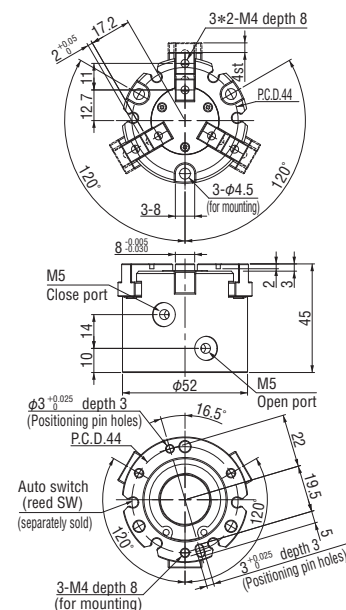


NEW

Three Claws Chuck

Order code No.	197260
TYPE	TCC-32

- Stroke: 8mm
- Weight: 250g
- Structure: Double Action Type
- Pipe joint is sold separately. → See (6-5,6,7)
- Auto switch can be attached



Specification

Product name	TYPE	Used air pressure (MPa)	Motion stroke (mm)	Cylinder diameter (mm)	Gripping force of outside diameter (0.5MPa) (N)	Gripping force of inner diameter (0.5MPa) (N)
Three claws chuck	TCC-16	0.2 ~ 0.7	4	16	14	16
	TCC-25		6	25	42	47
	TCC-32		8	32	74	82

Auto switch (reed SW)

Order code No.	030282
TYPE	D-A93

- Weight: 6g
- Applicable load: relay, PLC
- Load voltage: 24VDC
- Load current range: 5mA-40mA
- Lead wire: 0.5M OUT brown OUT (+) blue (-)
- Indicator light
- Terminal process is not made.
- Wiring → See (6-20)
- Length: 0.5m

Auto switch (contactless)

Order code No.	030425
TYPE	D-M9N

- Weight: 6g
- Applicable load: relay, PLC
- Load voltage: 24VDC
- Load current range: 40mA or lower
- Lead wire: 0.5M + V (brown), Load (black), OV(blue)
- Indicator light
- Terminal process is not made.
- Wiring → See (6-20)
- Length: 0.5m

Auto switch (contactless)

Order code No.	030500
TYPE	D-F8N

- Weight: 7g
- Applicable load: relay, PLC
- Load voltage: 24VDC
- Load current range: 40mA or lower
- Lead wire: 0.5M + V (brown), Load (black), OV(blue)
- Indicator light
- Terminal process is not made.
- Wiring → See (6-20)
- Length: 0.5m

Quick Chuck Change

Quick Chuck Change Manual
Quick Chuck Change Manual (OM Type)

Tool Changer
Automated Hand Exchange System

Grip

Mini Cylinder
Accessories for Mini Cylinder
Container Cylinders
Accessories for Container Cylinder

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Rubber Material / Grip Pad

Suction

Suction Cups
Suction Stems
Pad in Pad

Vacuum Gripper

Air Ejector / Filter / Check Valve
Ultra Small Part Take Out
Vacuum Generator Unit

Cut

Air Nipper (Small-Medium)
Air Nipper (Large)

Frame / Module

Jungle Gym
Let's Joint

Rectangular Tube

Base Aluminum Material
Sliding Chuck

Pneumatic Components / Sensors

Pneumatic Components
Sensors / Board
PCIO Communication Unit

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By Industry

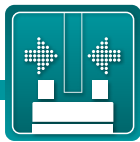
Logistics-Palletizing
Sheet Metal-Stamping-
Metal Fabrication

Assembling Tools

Tool / Jig

Information

Various Products
Information



Parallel Chucks (Single Action / Double Action)

Compact design with low profile and small space.



Parallel chuck 5st (single)

Order code No.	072172
TYPE	HC-5S

- Stroke: 5mm ● Weight: 32g
- With joint BF-5-M3 for piping
- Auto switch for action/return end can be mounted (middle check is impossible).

Parallel chuck 10st (single)

Order code No.	072171
TYPE	HC-10S

- Stroke: 10mm ● Weight: 70g
- With joint BF-5 for piping
- Auto switch for action/return end can be mounted (middle check is impossible).

Parallel chuck 10st (double)

Order code No.	072170
TYPE	HC-10

- Stroke: 10mm ● Weight: 70g
- With joint BF-5*2 for piping
- Auto switch for action/return end can be mounted (middle check is impossible).

Parallel chuck • 20st (single)

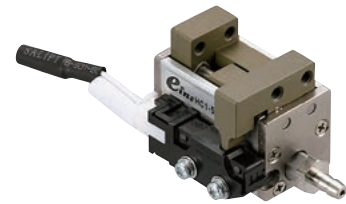
Order code No.	073319
TYPE	HC-20S

- Stroke: 20mm ● Weight: 288g
- With joint BF-6 for piping

Parallel chuck • 20st (double)

Order code No.	073318
TYPE	HC-20

- Stroke: 20mm ● Weight: 284g
- With joint BF-6 for piping



* Rated current: 100mA 30VDC

Parallel chuck • single • 5st (With limit switch)

Order code No.	072702
TYPE	HC1-5S-C1

- Stroke: 5mm ● Weight: 50g
- With joint BF-5-M3 for piping
- Harness length: 500mm

Parallel chuck • single • 10st (With limit switch)

Order code No.	072703
TYPE	HC1-10S-C1

- Stroke: 10mm ● Weight: 95g
- With joint BF-5 for piping
- Harness length: 500mm

Parallel chuck • double • 10st (With limit switch)

Order code No.	072705
TYPE	HC1-10-C1

- Stroke: 10mm ● Weight: 95g
- With joint BF-5*2 for piping
- Harness length: 500mm

Parallel chuck • single • 20st (With limit switch)

Order code No.	072704
TYPE	HC1-20S-C1

- Stroke: 20mm ● Weight: 305g
- With joint BF-6 for piping
- Harness length: 500mm

Parallel chuck • double • 20st (With limit switch)

Order code No.	072706
TYPE	HC1-20-C1

- Stroke: 20mm ● Weight: 300g
- With joint BF-6*2 for piping
- Harness length: 500mm

HC/HC1 series specification

TYPE	Mechanism	Used air pressure (MPa)	Ambient temperature (℃)	Motion stroke (mm)	Cylinder diameter (mm)	Grip power (0.4Mpa)	
						Close(N)	Open(N)
HC-5S	Single Action Type	0.3 ~ 0.6	5 ~ 60	5	φ 7	6	—
HC-10S				10	φ 10	14	—
HC-10	Double Action Type			15	15		
HC-20S	Single Action Type			17	—		
HC-20	Double Action Type			28	28		
HC1-5S-C1	Single Action Type	0.4 ~ 0.6		5	φ 7	5	—
HC1-10S-C1				10	φ 10	14	—
HC1-10-C1	Double Action Type			15	15		
HC1-20S-C1	Single Action Type			17	—		
HC1-20-C1	Double Action Type			20	φ 15	28	28



Auto switch (reed SW)

Order code No.	030282
TYPE	D-A93

- Weight: 6g ● Applicable load: relay, PLC
- Load voltage: 24VDC
- Load current range: 5mA-40mA
- Lead wire: 0.5M OUT (+) brown OUT (-) blue
- Indicator light
- Terminal process is not made.
- Wiring → See (6-20) ● Length: 0.5m



Auto switch (contactless)

Order code No.	030425
TYPE	D-M9N

- Weight: 8g ● Applicable load: relay, PLC
- Load voltage: 24VDC
- Load current range: 40mA or lower
- Lead wire: 0.5M +V (brown), Load (black), 0V(blue)
- Indicator light
- Terminal process is not made.
- Wiring → See (6-20) ● Length: 0.5m



Limit switch Ass'y

Order code No.	072708
TYPE	HC1-SW1

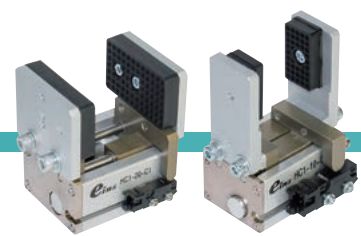
- Weight: 10g ● For HC1-5S/10(S)
- Mounting bolt and nut attached
- Rated current: 100mA 30VDC
- Terminal process is not made.
- Harness length: 500mm



Limit switch Ass'y

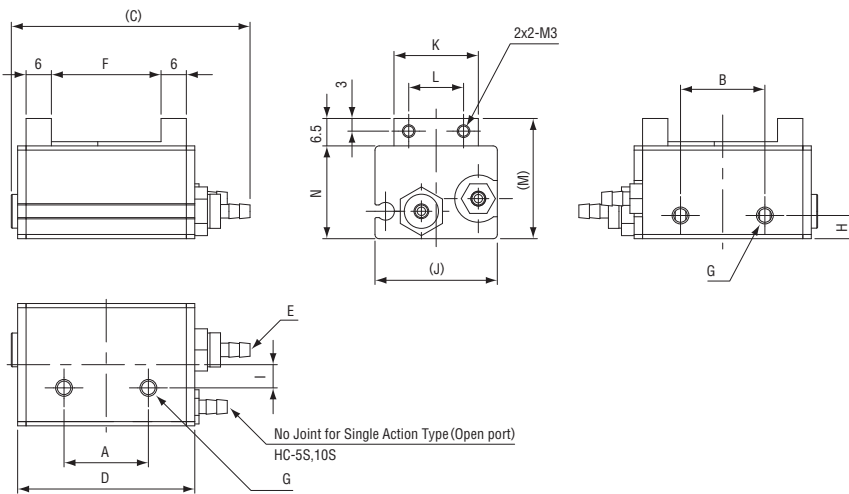
Order code No.	072709
TYPE	HC1-SW2

- Weight: 10g ● For HC1-20(S)
- Mounting bolt and nut attached
- Rated current: 100mA 30VDC
- Terminal process is not made.
- Harness length: 500mm



Example combination

► Outside dimension of HC series

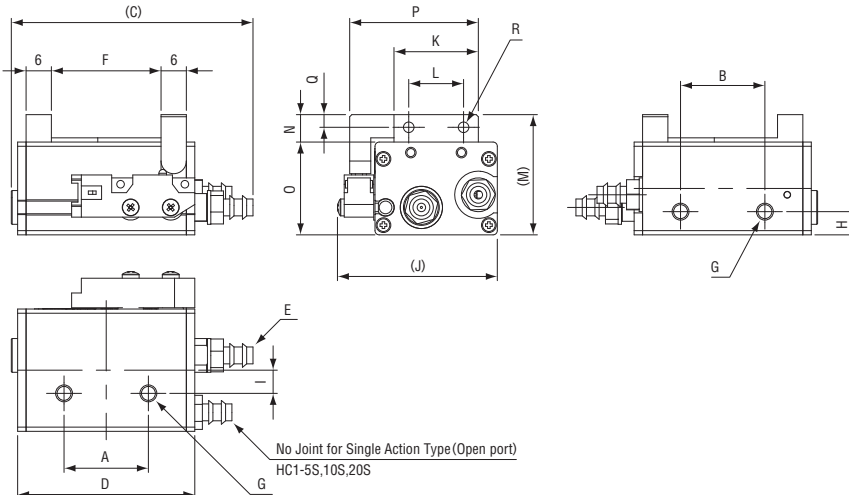


■ Dimensions

(mm)

TYPE	HC-5S	HC-10S	HC-10	HC-20S	HC-20
A	17	20		32	
B	10	20		32	
C	45	56.6		75	
D	32	42		60	
E	BF-5-M3	BF-5		BF-6	
F	max16/min11	max26/min16		max40/min20	
G	2-M3 depth 4	2-M4 depth 5		2-M5 depth 10	
H	5	5.5		8	
I	6	5.5		6	
J	18	29		48	
K	13	20		32	
L	8	13		20	
M	25.5	28.5		44	
N	19	22		31.5	

► Outside dimension of HC1 series



■ Dimensions

(mm)

TYPE	HC1-5S-C1	HC1-10(S)-C1	HC1-20(S)-C1
A	17	20	32
B	10	20	32
C	45	57	73
D	32	42	60
E	BF-5-M3	BF-5	BF-6
F	max16/min11	max26/min16	max40/min20
G	2-M3 depth 4	2-M4 depth 5	2-M5 depth 10
H	5	5.5	8
I	6	5.5	6
J	28	39	58
K	13	20	32
L	8	13	20
M	25.5	28.5	44
N	6.5	6.5	12.5
O	19	22	31.5
P	21.5	30.5	46
Q	3		5
R	2x2-M3		2x2-M5



Claw • for parallel chuck

Order code No. **023215**

TYPE **CP-HC10N**

- Weight: 9g
- For HC, HC1-10, 10S
- Installation of CPUM-01 → **2-10** to product positioning side is possible.

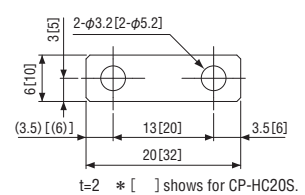
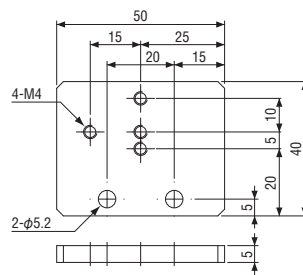
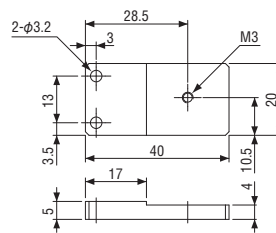


Claw • for parallel chuck

Order code No. **023216**

TYPE **CP-HC20N**

- Weight: 26g
- For HC1-20, 20S
- Installation of CPL-060, 061 → **2-10** to product positioning side is possible.



Spacer • for parallel chuck

Order code No. **023217**

TYPE **CP-HC10S**

- Weight: 1g
- For HC, HC1-10, 10S

Order code No. **023218**

TYPE **CP-HC20S**

- Weight: 2g
- For HC1-20, 20S

Quick Chuck Change

Quick Chuck Change Manual

Quick Chuck Change Manual (OM Type)

Tool Changer

Automated Hand Exchange System

Grip

Mini Cylinder

Accessories for Mini Cylinder

Container Cylinders

Accessories for Container Cylinder

Grippers

Rubber Material / Grip Pad

Suction

Suction Cups

Suction Stems

Pad in Pad

Vacuum Gripper

Air Ejector / Filter / Check Valve

Ultra Small Part Take Out

Vacuum Generator Unit

Cut

Air Nipper (Small-Medium)

Air Nipper (Large)

Frame / Module

Jungle Gym

Let's Joint

Rectangular Tube

Base Aluminum Material

Sliding Chuck

Pneumatic Components / Sensors

Pneumatic Components

Sensors / Multi AND Board

PCIO Communication Unit

Lightweight Parts Series

Frame / Section / Resin Cylinders / Pads / Resin Manifolds

By Industry

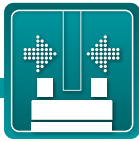
Logistics-Palletizing / Sheet Metal-Stamping / Metal Fabrication

Assembling Tools

Tool / Jig

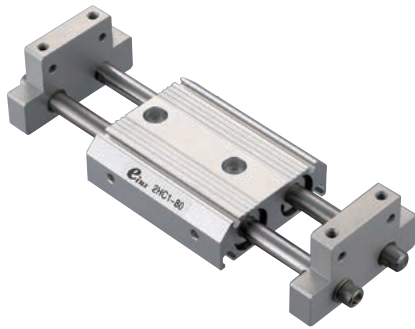
Information

Various Products Information



Parallel Chucks (Double Action)

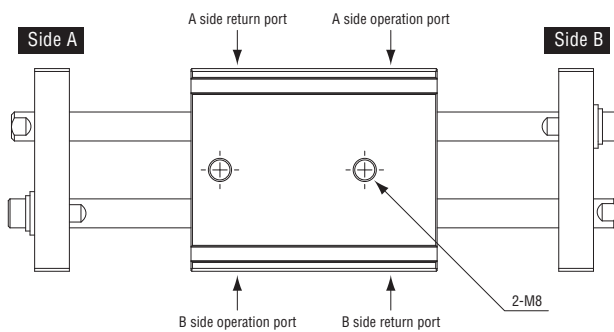
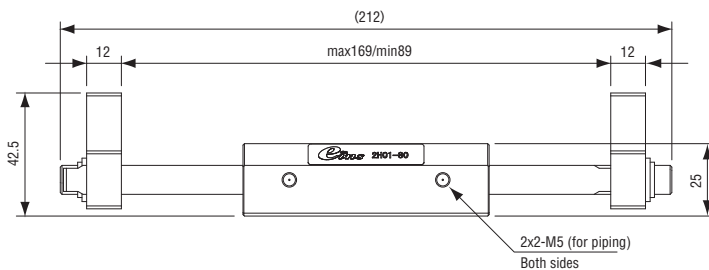
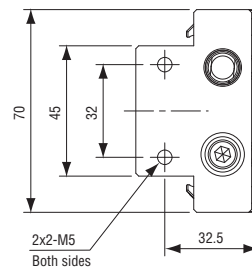
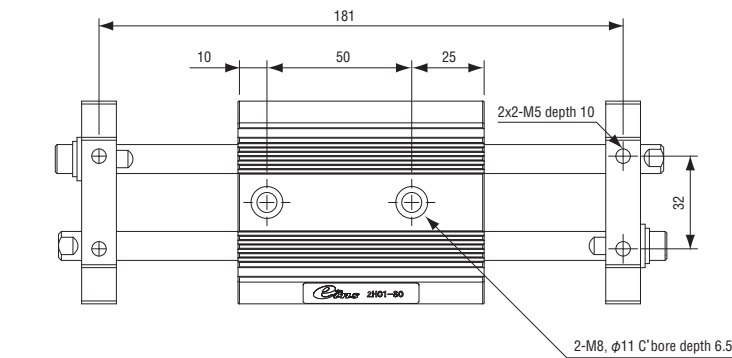
Single open/close of the claws of both sides is possible with the built-in two cylinders.



Parallel chuck 40st (double) * 2

Order code No.	282205
TYPE	2HC1-80

- Stroke: 40mm×2
- Weight: 650g
- Installation of auto switch for act / return limit is possible.
- Pipe joint is sold separately. → See [6-5,6,7](#)



Auto switch (reed SW)

Order code No.	030282
TYPE	D-A93

- Weight: 6g
- Applicable load: relay, PLC
- Load voltage: 24VDC
- Load current range: 5mA-40mA
- Lead wire: 0.5M OUT (+) brown OUT (-) blue
- Indicator light
- Terminal process is not made.
- Wiring → See [6-20](#)
- Length: 0.5m



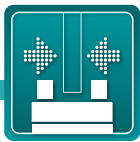
Auto switch (contactless)

Order code No.	030425
TYPE	D-M9N

- Weight: 8g
- Applicable load: relay, PLC
- Load voltage: 24VDC
- Load current range: -40mA or lower
- Lead wire: 0.5M+V (brown), Load (black), OV(blue)
- Indicator light
- Terminal process is not made.
- Wiring → See [6-20](#)
- Length: 0.5m

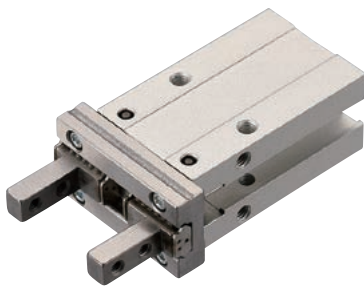
Specification

Product name	TYPE	Mechanism	Used air pressure (Mpa)	Ambient temperature (°C)	Motion stroke (mm)	Cylinder diameter (mm)	Grip power (0.4Mpa)	
							Close(N)	Open(N)
Parallel chuck	2HC1-80	Double action type	0.4 ~ 0.6	5 ~ 60	40 × 2	$\phi 20 \times 2$	100	100



Parallel Chucks (Single Action)

High precision with linear guide!

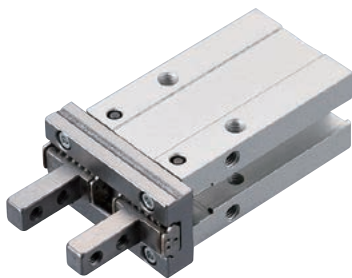


Standard type (single) Parallel chuck

Order code No. **123401**

TYPE **MHZ2-10S**

- Stroke: 4mm
- Weight: 55g
- Auto switch can be attached as optional*
- Pipe joint is sold separately → See [6-5,6,7](#)



Narrow type (single) Parallel chuck

Order code No. **122451**

TYPE **MHZ2-10SN**

- Stroke: 4mm
- Weight: 55g
- Auto switch can be attached as optional*
- Pipe joint is sold separately. → See [6-5,6,7](#)



Auto switch (contactless)

Order code No. **030425**

TYPE **D-M9N**

- Weight: 8g
- Applicable load: relay, PLC
- Load voltage: 24VDC
- Load current range: ~40A or lower
- Lead wire: 0.5M + V (brown), Load (black), OV (blue)
- Indicator light
- Terminal process is not made.
- Special metal bracket (BMG2-012) is required to attach auto switch.
- Wiring → See [6-20](#)
- Length: 0.5m

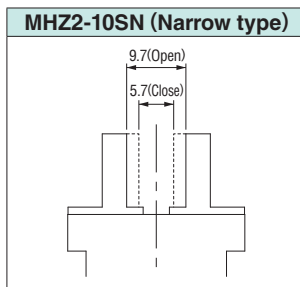
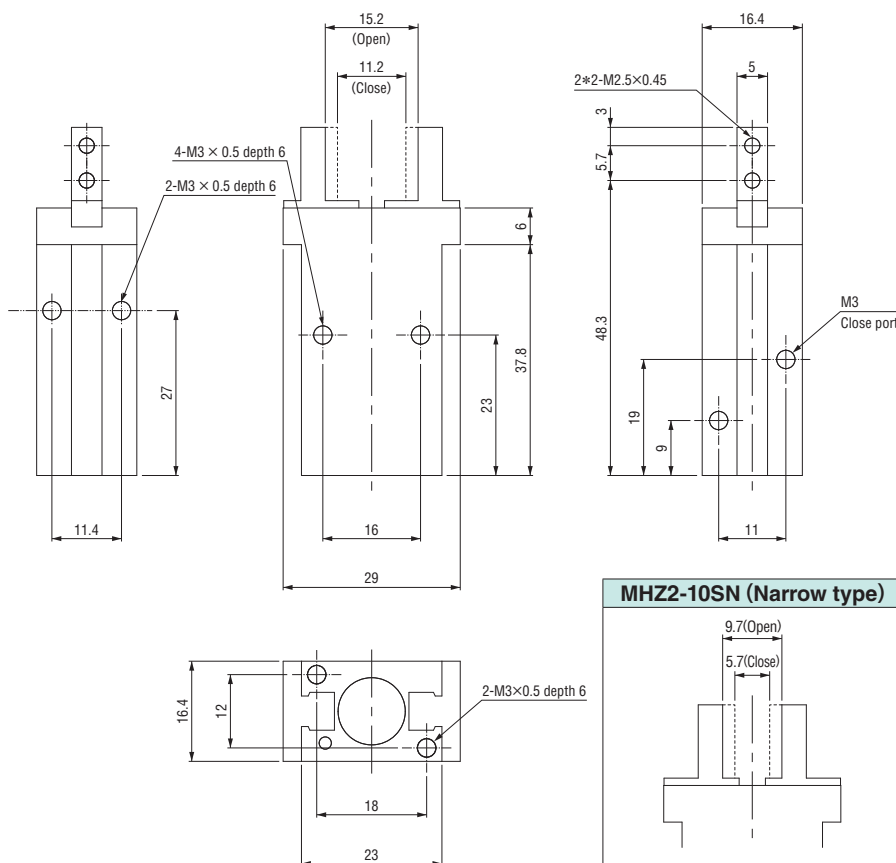


Auto switch mounting bracket

Order code No. **010634**

TYPE **BMG2-012**

- Weight: 2g



Specification

Product name	TYPE	Used air pressure (Mpa)	Ambient temperature (°C)	Motion stroke (mm)	Cylinder diameter (mm)	Gripping force <0.5MPa> (N)	Accuracy of movement (mm)
Parallel chuck	MHZ2-10S MHZ2-10SN	0.35 ~ 0.7	-10 ~ 60	4	φ 10	7.1	± 0.01

* Special metal bracket (BMG2-012) is required to attach auto switch (D-M9N). * Auto switch (D-A93) cannot be used.

Quick Chuck Change

Quick Chuck Change Manual

Quick Chuck Change Manual (OM Type)

Tool Changer

Automated Hand Exchange System

Grip

Mini Cylinder

Accessories for Mini Cylinder

Container Cylinders

Accessories for Container Cylinder

Grippers

Rubber Material / Grip Pad

Suction

Suction Cups

Suction Stems

Pad in Pad

Vacuum Gripper

Air Ejector / Filter / Check Valve

Ultra Small Part Take Out

Vacuum Generator Unit

Cut

Air Nipper (Small-Medium)

Air Nipper (Large)

Frame / Module

Jungle Gym

Let's Joint

Rectangular Tube

Base Aluminum Material

Sliding Chuck

Pneumatic Components / Sensors

Pneumatic Components

Sensors / Multi AND Board

PCIO Communication Unit

Lightweight Parts Series

Frame / Section / Resin Cylinders / Pads / Resin Manifolds

By Industry

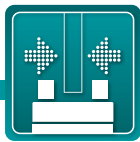
Logistics-Palletizing/Sheet Metal-Stamping-Metal Fabrication

Assembling Tools

Tool / Jig

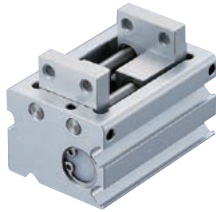
Information

Various Products Information



Parallel Hand (Double Action)

Durable bush guide embedded.



Double action type Parallel hand • 15st

Order code No.	071996
TYPE	HLA-12AS

- Stroke: 15mm
- Weight: 152g
- Auto switch can be attached(E-16-M1)
- Pipe joint is sold separately.
- See (6-5,6,7)

Double action type Parallel hand • 20st

Order code No.	070986
TYPE	HLA-15AS

- Stroke: 20mm
- Weight: 276g
- Auto switch can be attached(E-16-M1)
- Pipe joint is sold separately.
- See (6-5,6,7)

Double action type Parallel hand • 25st

Order code No.	071997
TYPE	HLA-20AS

- Stroke: 25mm
- Weight: 504g
- Auto switch can be attached(E-16-M1)
- Pipe joint is sold separately.
- See (6-5,6,7)



Double action type Parallel hand • 15st • w/ rubber cover

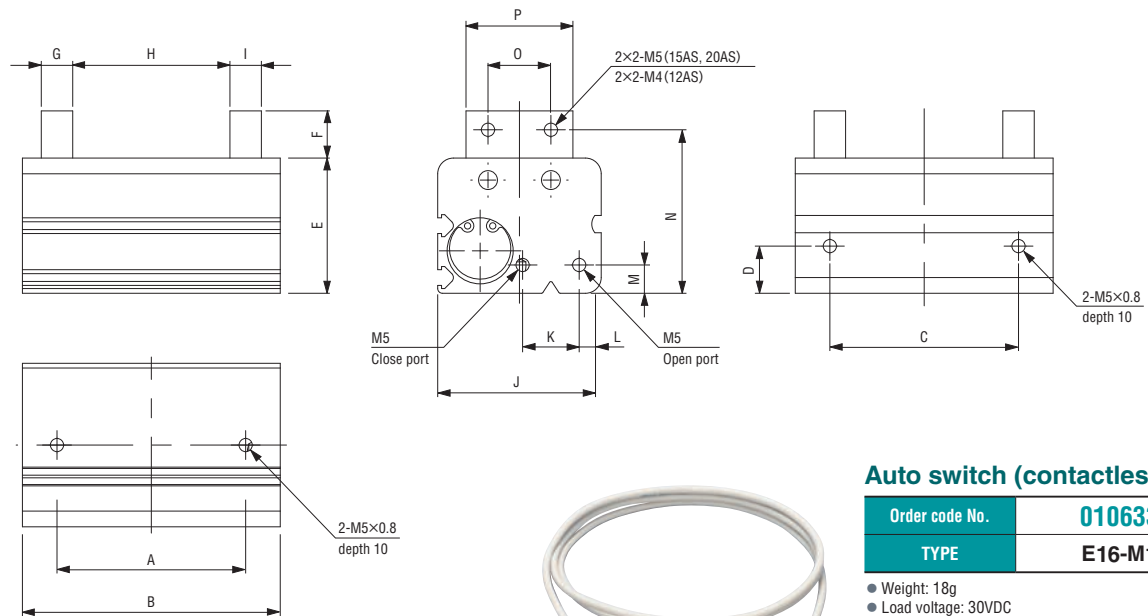
Order code No.	071999
TYPE	HLAG-12AS

- Stroke: 15mm
- Weight: 157g
- Auto switch can be attached(E-16-M1)
- Pipe joint is sold separately.
- See (6-5,6,7)

Double action type Parallel hand • 20st • w/ rubber cover

Order code No.	072000
TYPE	HLAG-15AS

- Stroke: 20mm
- Weight: 281g
- Auto switch can be attached(E-16-M1)
- Pipe joint is sold separately.
- See (6-5,6,7)



Auto switch (contactless)

Order code No.	010633
TYPE	E16-M1

- Weight: 18g
- Load voltage: 30VDC
- Load current range: -50mA or lower
- Lead wire: 1m + (brown), load (black), - (blue)
- Indicator light
- Terminal process is not made.
- Length: 1m
- For HLA, HLAG

Dimensions

(mm)

TYPE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
HLA-12AS	30	54	30	12	29	10	6	max30/min15	6	37	13.5	4	8	35	14	22
HLA-15AS	40	70	40	13.5	34	12	10	max40/min20	10	43	14	5.5	9	41	18	30
HLA-20AS	60	82	60	15	43	15	10	max50/min25	10	52	18	7	9	52	20	34
HLAG-12AS	30	61	—	—	40	10	8	max30/min15	8	46.8	13.5	4	8	46	10	17
HLAG-15AS	40	81.1	—	—	46.5	12	10	max40/min20	10	57	14	5.5	9	53.5	14	24

Product name	TYPE	Used air pressure (MPa)	Ambient temperature (°C)	Motion stroke (mm)	Cylinder diameter (mm)	Inner capacity (round trip)	Accuracy of movement (mm)	Lubrication
Parallel hand	HLA,HLAG-12AS	0.3 ~ 0.7	5 ~ 60	15	φ 12	1.69cc/times	± 0.03	No lubrication or turbine oil class 1 [ISOVG32]
	HLA,HLAG-15AS			20	φ 15	3.53cc/times		
	HLA-20AS			25	φ 20	7.85cc/times		



Needle Gripper

Embedded needle allows holding fiber workpiece with high air permeability.



Needle gripper (diameter 0.8mm)

Order code No.	186255
TYPE	SNG-M-4-0.8

- Weight: 80g
- Air single action type
- Needle will be output with action.
- Pipe joint is sold separately.

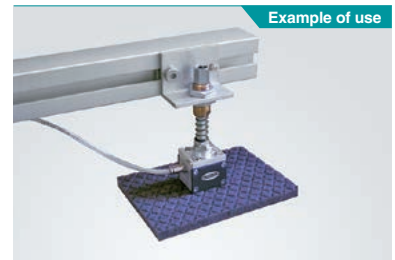
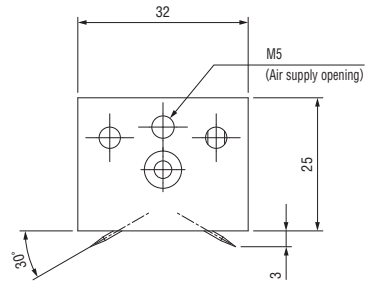
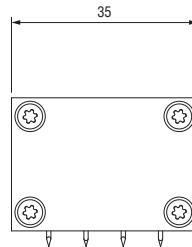
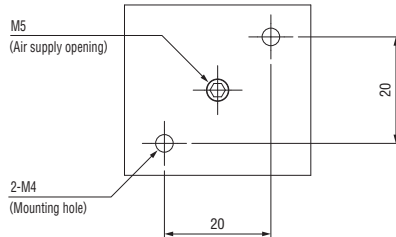
→ See (6-5,6,7)



Needle piston set for exchange (4pcs)

Order code No.	041925
TYPE	ERS-SET-SNG-M-0.8

- Weight: 12g
- 4pcs
- For SNG-M-4-0.8



Example of use



Needle gripper (diameter 0.8mm)

Order code No.	186256
TYPE	SNG-AP-10-0.8-V-10

- Weight: 225g
- Air double action type
- Needle will be output with action.
- Pipe joint is sold separately.

→ See (6-5,6,7)



Needle holder set for exchange (2pcs)

Order code No.	041926
TYPE	ERS-SET-SNG-AP/AE-0.8-10

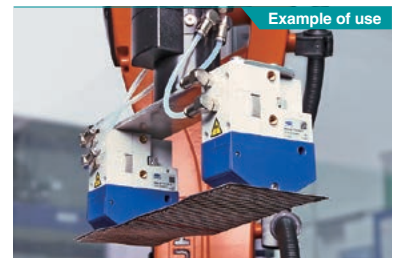
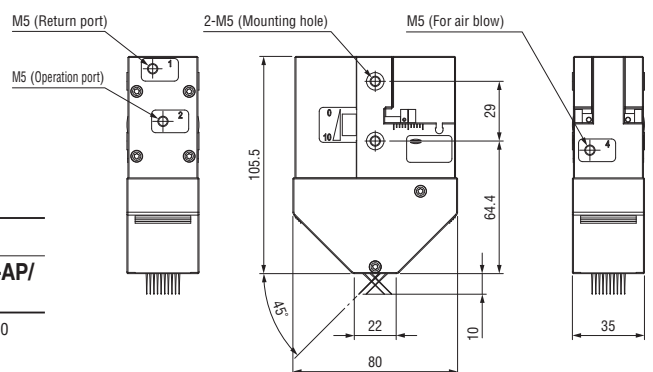
- Weight: 6g
- For SNG-AP-10-0.8-V-10

Needle gripper (diameter 1.2mm)

Order code No.	186257
TYPE	SNG-AP-10-1.2-V-10

- Weight: 225g
- Air double action type
- Needle will be output with action.
- Pipe joint is sold separately.

→ See (6-5,6,7)



Example of use

Quick Chuck Change

Quick Chuck Change Manual

Quick Chuck Change Manual (OM Type)

Tool Changer

Automated Hand Exchange System

Grip

Mini Cylinder

Accessories for Mini Cylinder

Container Cylinders

Accessories for Container Cylinder

Grippers

Rubber Material / Grip Pad

Suction

Suction Cups

Suction Stems

Pad in Pad

Vacuum Gripper

Air Ejector / Filter / Check Valve

Ultra Small Part Take Out

Vacuum Generator Unit

Cut

Air Nipper (Small-Medium)

Air Nipper (Large)

Frame / Module

Jungle Gym

Let's Joint

Rectangular Tube

Base Aluminum Material

Sliding Chuck

Pneumatic Components / Sensors

Pneumatic Components

Sensors / Multi AND Board

PCIO Communication Unit

Lightweight Parts Series

Frame / Section / Resin Cylinders / Pads / Resin Manifolds

By Industry

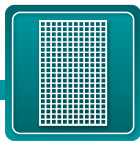
Logistics-Palletizing/Sheet Metal-Stamping-Metal Fabrication

Assembling Tools

Tool / Jig

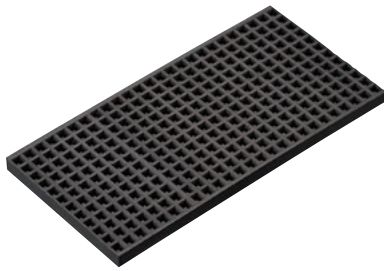
Information

Various Products Information



Rubber Pad / EP Sponge / Pad (Silicone Sponge)

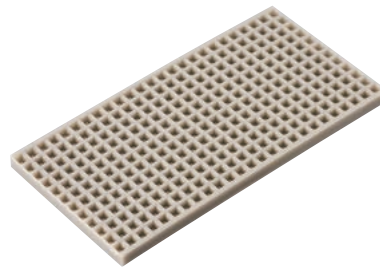
Cut sheets to prevent scratches on products.



Rubber Pad (Nitrile)

Order code No.	370078
TYPE	5T*50*100

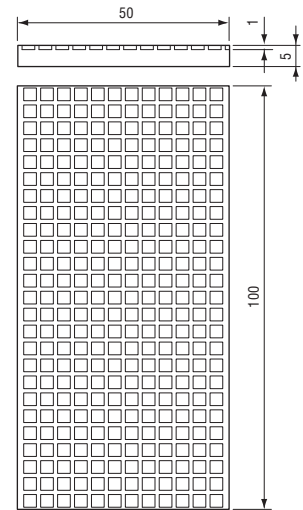
● Weight: 27.6g ● Material: nitrile rubber



Rubber Pad (Silicone)

Order code No.	310536
TYPE	5T*50*100

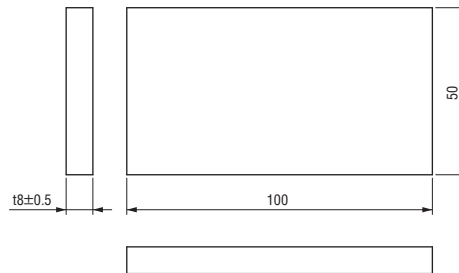
● Weight: 27.6g ● Material: silicon



(SD sheet, EP sponge)

Order code No.	340923
TYPE	8*50*100-EPSP

● Weight: 5g ● Material: EPDM ● The finished dimensions may be different from those of the drawing as sponge material is used.



Cautions for pasting (SD sheet, EP sponge)

- Please use within 1 month after purchase. Adhesive strength is remarkably reduced after left for a long period of time. It is recommended to jointly use silicon series adhesive (371759 Bath Bond).
- Wipe the surface clean with ethanol before you stick it on the cup. Do not touch the surface with your hands.
- Hold the adhesive surface with sufficient adhesion to the surface for about 24 hours.
- Use silicon adhesive (371759 Bath Bond), if the adhesive strength is low.
- Double-sided tape is weak when the oblique tension force is added. Use the tape for the vertical direction force.



Pad (silicone sponge)

Order code No.	293463
TYPE	3T*250*250

● Weight: 102g ● Material: silicon sponge
● 250×250mm・T3mm



Adhesive (Sponge Pads)

Order code No.	371759
TYPE	Adhesive Q 50G Clear #4888

● NET: 50ml
● Silicon bond
● Use for adhesion to silicon rubber.



Adhesive Cemedine 20ML

Order code No.	371765
TYPE	AX-038 (SUPER X・20TM)

● NET: 50ml
● Use for adhesion to rubber plate.



Adhesive Cemedine 135ML

Order code No.	002481
TYPE	AX-250 (SUPER X8008・135ML)

● NET: 135ml
● If you need a Material Safety Data Sheet (SDS), please purchase it.
● Use for adhesion to rubber plate.

TYPE	Standard	Heat resistance *	Hardness	Color
Nitrile rubber	5T*50*100	-10 ~ +100	shore A70 ± 10	Black
Silicone	5T*50*100	-60 ~ +250	shore A70 ± 10	White
Pad (silicone sponge)	3T*250*250	-60 ~ +200	Aska C23	Orange
EPDM	8*50*100-EPSP	-30 ~ +100	—	Black
Chloroprene rubber	CP-060	-35 ~ +100	shore A70 ± 10	Black

* General characteristics numerical value (reference value)