

Mini cylinder

Plastic body type

MCY-1205S

RoHS2



The mounting brackets are sold separately. (See p.25)

Code	MCY-1205S
Part code	*MCY-1205S
Material	PBT-G10%
Fluid	Compressed air
Operation type	Single action type
Stroke [mm]	5
Working pressure range [MPa]	0.24~0.59
Guaranteed pressure resistance [MPa]	0.7
Push force *at 0.59MPa [N]	56
Pull force *Spring-assisted return [N]	5
Temperature range of use [°C]	5~60
Fitting size [Tapped]	M5
Main unit weight [g]	11.5

Notation of the code

MCY - 12 05 S

① ② ③ ④

① Material

MCY...PBT-G10%

② Cylinder bore diameter

12...φ12

③ Stroke

05...5mm

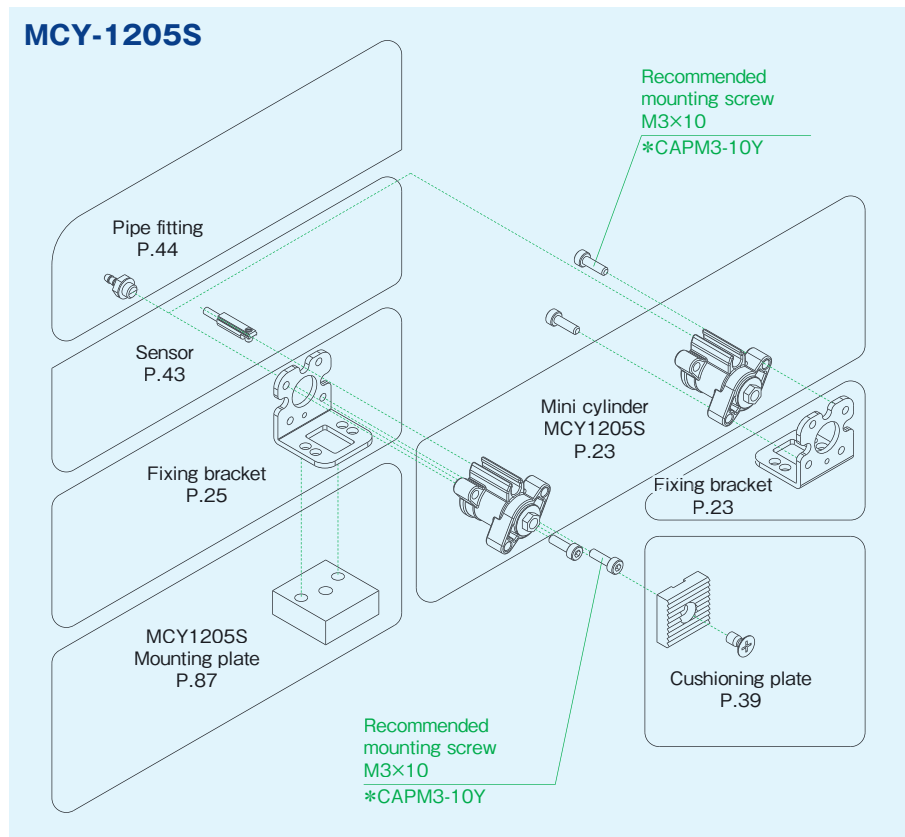
④ Compatible with sensor

S...Compatible with sensor only

*Sensor is sold separately. (See p.43)

*Pipe fittings are not equipped. (See p. 44)

MCY-1205S



Mini cylinder Plastic body type

Plastic type

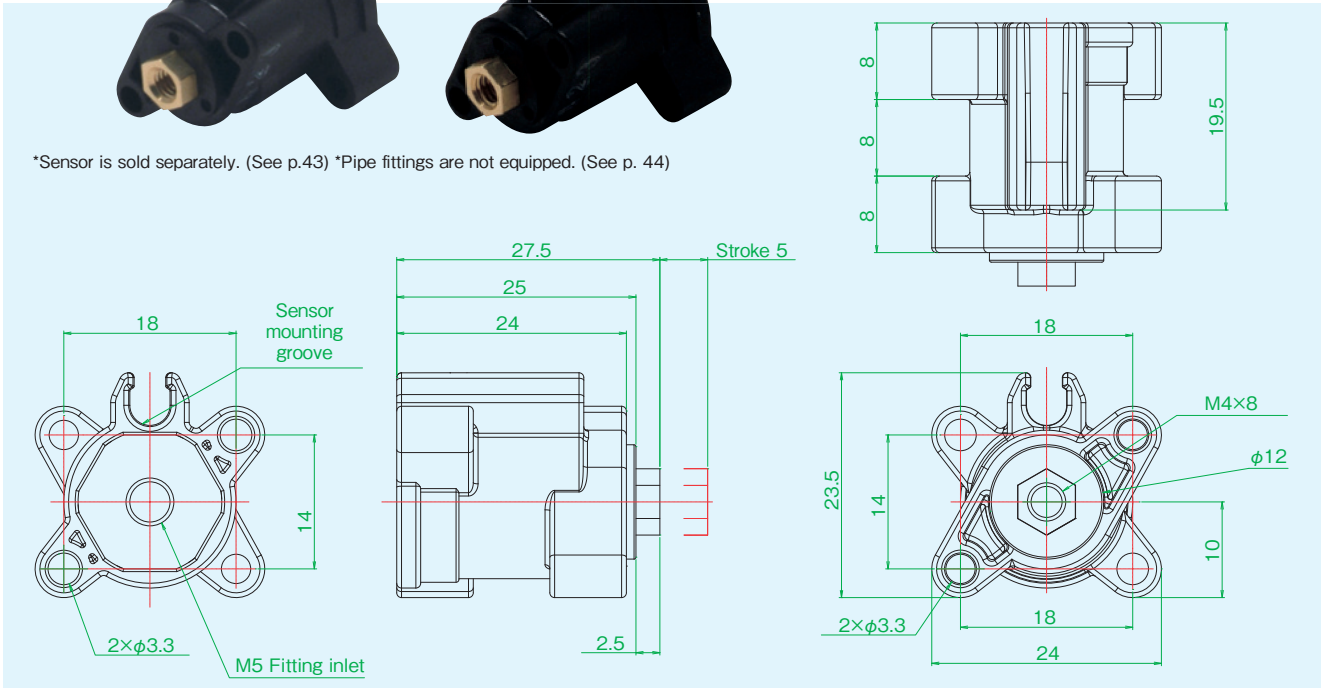
MCY-1205S

Mini cylinder
MCY-1205S



Product name	Mini cylinder MCY-1205S
Part code	*MCY-1205S
Weight	11.5g
Material	PBT-G10%

*Sensor is sold separately. (See p.43) *Pipe fittings are not equipped. (See p. 44)



Mini cylinder

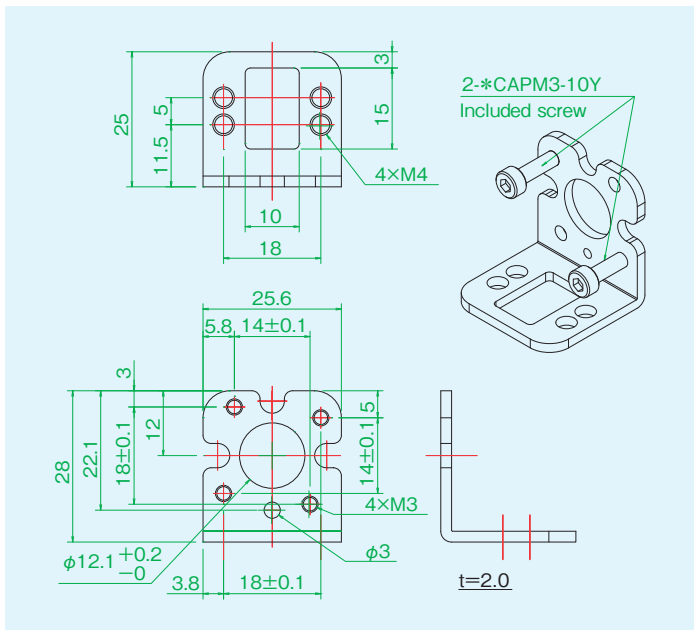
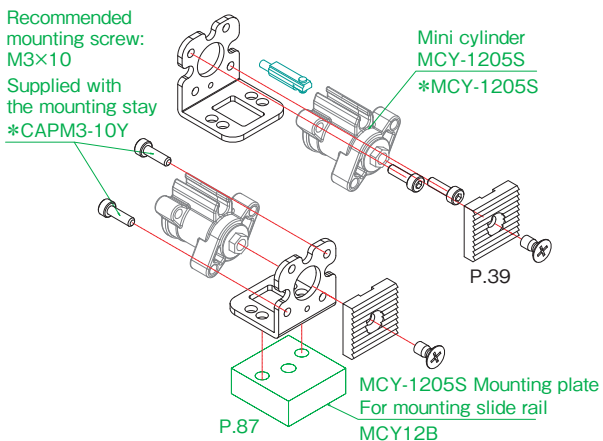
Accessories

MCY-1205S and MCY-2015 (S) Mounting bracket

MCY-1205S
Mounting stay
(with screws)



(Usage example)



Product name	MCY-1205S Mounting stay (with screw)
Part code	*MCY-1205S-M3Y
Weight	12.4g (with 2 screws (1.7g) to prevent loosening)
Material	SUS t=2

Mini cylinder Plastic body type

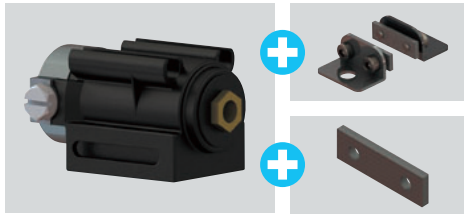
Plastic type

MCY-1815S

MCY-1815S
Fixing bracket set



*M3 square nut and fixing bracket included with set are not included in the delivery

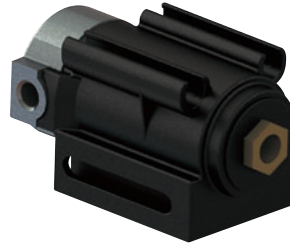


Product name	Part code	備考
MCY-1815S Fixing bracket set P40	*MCY-1815S-P40	With HPF plug (2pcs)
MCY-1815S Fixing bracket set P38	*MCY-1815S-P38	With HPF plug (2pcs)
MCY-1815S M3 square nut set	*MCY-1815S-M3	With HPF plug (2pcs)

Mini cylinder
MCY-1815S



Product name	Mini cylinder MCY-1815S
Part code	*MCY-1815S
Material	PBT-G10%
Fluid	Compressed air
Operation type	Single action type
Stroke [mm]	15
Working pressure range [MPa]	0.24~0.59
Guaranteed pressure resistance [MPa]	0.7
Push force *at 0.59MPa [N]	135
Pull force *Spring-assisted return [N]	12
Temperature range of use [°C]	5~60
Fitting size [Tapped]	M5
Weight [g]	36.5

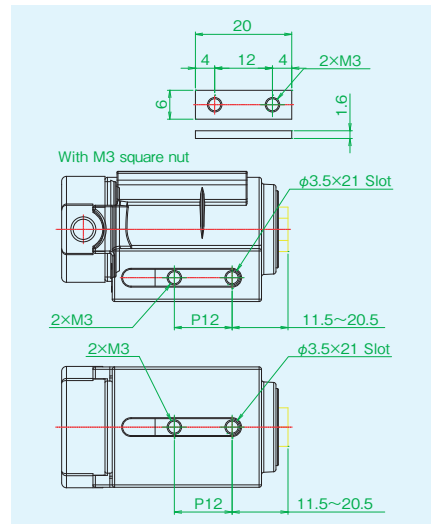
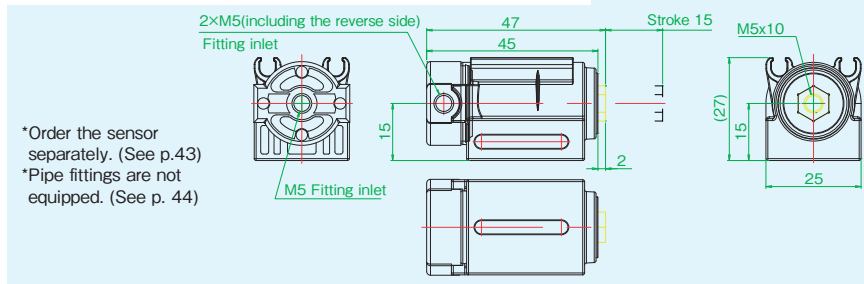


M3 square nut

*Available for direct mounting on any of the three surfaces.



Product name	M3 square nut
Part code	*M3N
Specification	SPCC t=1.6
Weight	1.4g

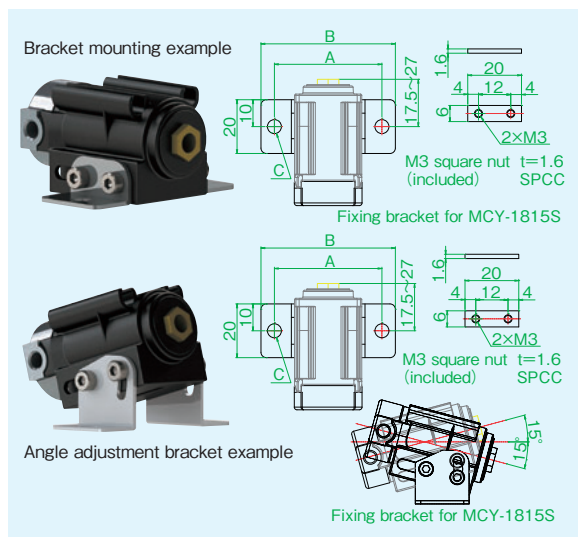
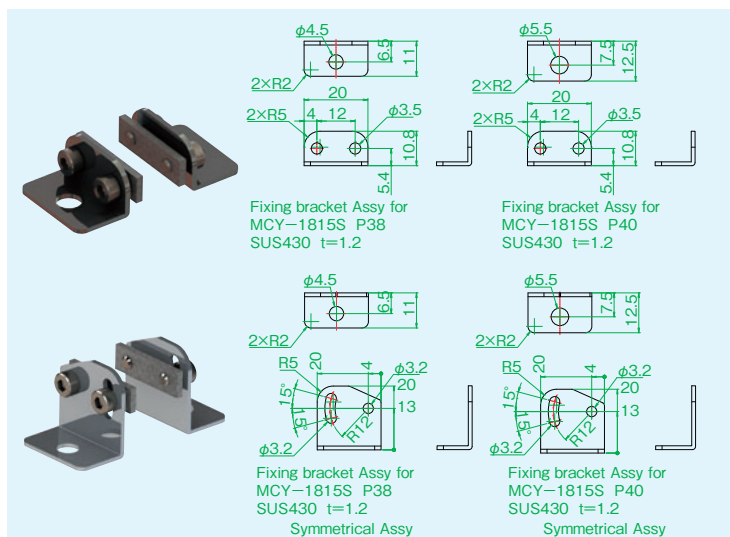


Accessories

For MCY-1815S

MCY-1815S
Bracket

Product name	Part code	A	B	C	Weight
Fixing bracket Assy for MCY-1815S P40	*MCY1815S-KSET-P40	40mm	50mm	φ5.5	11.7g
Fixing bracket Assy for MCY-1815S P38	*MCY1815S-KSET-P38	38mm	47mm	φ4.5	11.7g
Angle adjustment bracket Assy for MCY-1815S P40	*MCY1815S-ASET-P40	40mm	50mm	φ5.5	14.4g
Angle adjustment bracket Assy for MCY-1815S P38	*MCY1815S-ASET-P38	38mm	47mm	φ4.5	14.4g



Mini cylinder

Plastic body type

MCY-2015(S)

MCY-2015

ROHS2



MCY-2015S

ROHS2



Notation of the code

MCY - 20 15 S

① ② ③ ④

① **Material**

MCY...PBT-G10%

② **Cylinder bore diameter**

20...φ20

③ **Stroke**

15...15mm

④ **Compatible with sensor**

S...Mini cylinder for ribbed/flat plate with switch

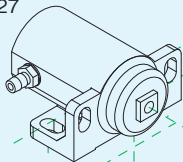
Used cushioning pplate: * GP20SW*GP20SF

Blank: Not compatible with cushioning plate with SW

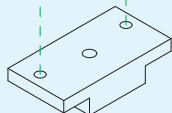
Code	MCY-2015	MCY-2015S
Part code	*MCY-2015	*MCY-2015S
Material	PBT-G10%	
Fluid	Compressed air	
Operation type	Single action type	
Stroke [mm]	15	
Working pressure range [MPa]	0.3~0.6	
Guaranteed pressure resistance [MPa]	0.7	
Push force *at 0.59MPa [N]	188	
Pull force *Spring-assisted return [N]	6.8	
Temperature range of use [°C]	5~60	
Fitting size [Tapped]	M5	
Main unit weight [g]	62.8	66.5

MCY-2015

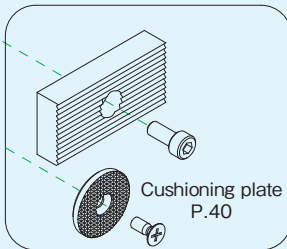
Mini cylinder
MCY-2015
P.27



MCY-2015(S) Mounting plate
P.29

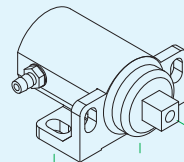


Cushioning plate
P.40

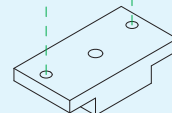


MCY-2015S

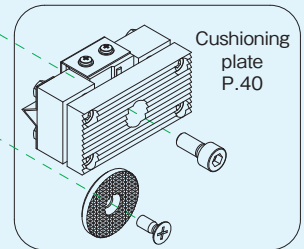
Mini cylinder for switched type
MCY-2015S P.27



MCY-2015(S) Mounting plate
P.29



Cushioning plate
P.40



Mini cylinder Plastic body type

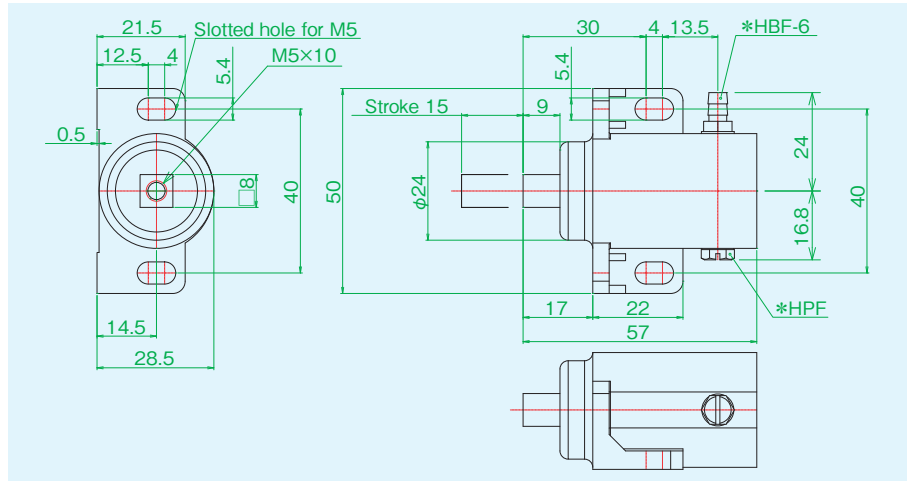
Plastic type

MCY-2015(S)

Mini cylinder for switched type
MCY-2015S



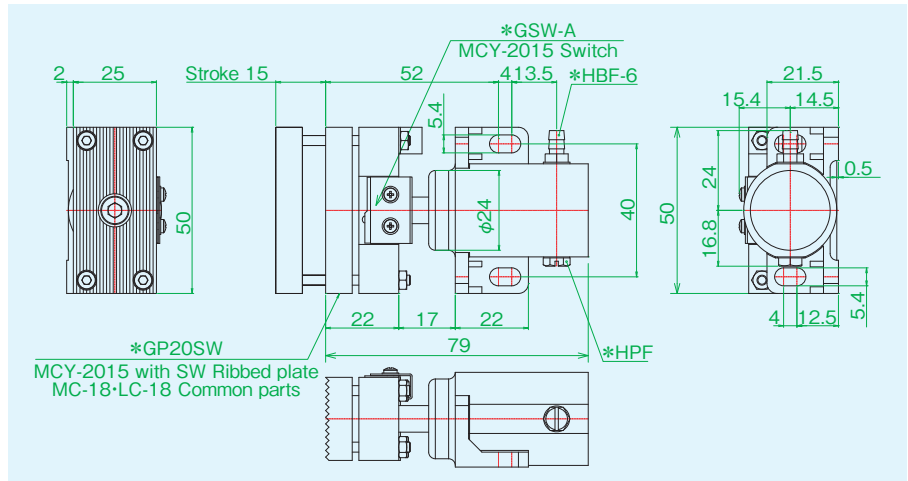
Product name	Mini cylinder for switched type MCY-2015S
Part code	*MCY-2015S
Weight	66.5g
Material	PBT-G10%



MCY-2015 with SW
Ribbed plate Assy



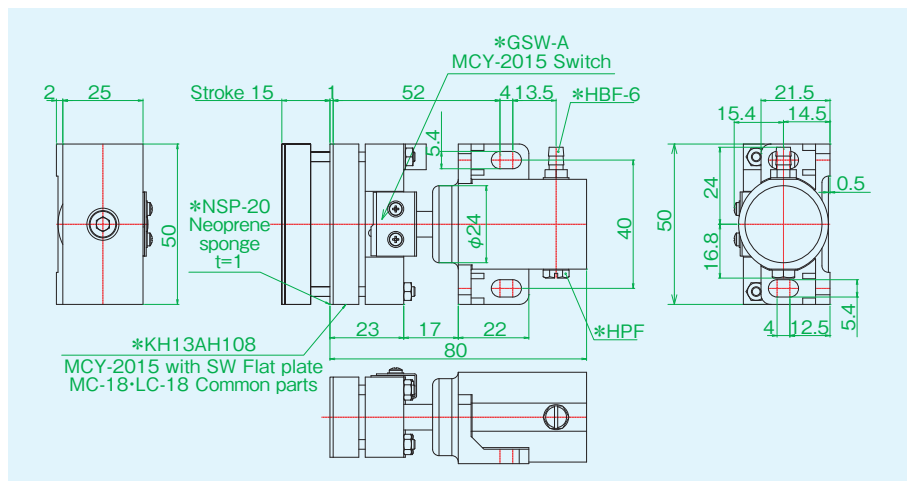
Product name	MCY-2015 with SW Ribbed plate Assy
Part code	*MCY20-ASW
Weight	156g
Material	PBT-G10%



MCY-2015 with SW
Flat plate Assy



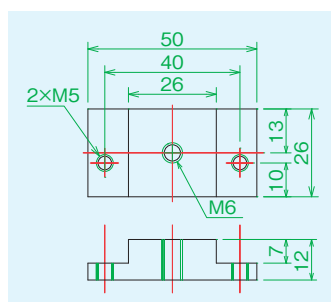
Product name	MCY-2015 with SW Flat plate Assy
Part code	*MCY20-ASF
Weight	146g
Material	PBT-G10%



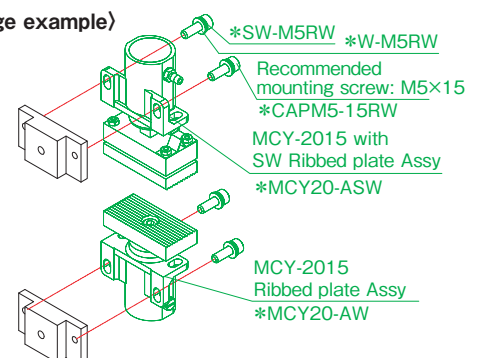
MCY-2015(S)
Mounting plate



Product name	MCY-2015(S) Mounting plate
Part code	MCY20B
Weight	29g
Material	A5052P



(Usage example)



Mini cylinder

Parts configuration

LC · MC Series

Code	MC-1205	MC-1815(-SW)	LC-1210(S)	LC-1220(S)	LC-1230(S)	LC-1810(S)	LC-1820(S)	LC-1830(S)
Main body material	Aluminum die-cast		Aluminum extrusion			Aluminum extrusion		
Fluid	Compressed air		Compressed air			Compressed air		
Operation type	Single action type		Single action type			Single action type		
Stroke [mm]	5	15	10	20	30	10	20	30
Working pressure range [MPa]	0.24~0.59		0.24~0.59			0.24~0.59		
Guaranteed pressure resistance [MPa]	0.7		0.7			0.7		
Push force *at 0.59MPa [N]	56	131	58			126		
Pull force *Spring-assisted return [N]	5	3.5	1.7			7.8		
Temperature range of use [°C]	5~60		5~60			5~60		
Fitting size [Tapped]	M5		M5			M5		
Weight (including the magnet) [g]	20 (-)	67.6 (SW)70.5	27.0 (30.0)	38.3 (39.7)	45.8 (47.2)	64.1 (67.1)	77.8 (80.8)	90.8 (93.8)

Notation of the code

LC - 12 10 S

① ② ③ ④

① Material

LC···Aluminum extrusion
MC···Aluminum die-cast

② Cylinder bore diameter

12···φ12
18···φ18

③ Stroke

05···5mm
10···10mm
15···15mm
20···20mm
30···30mm

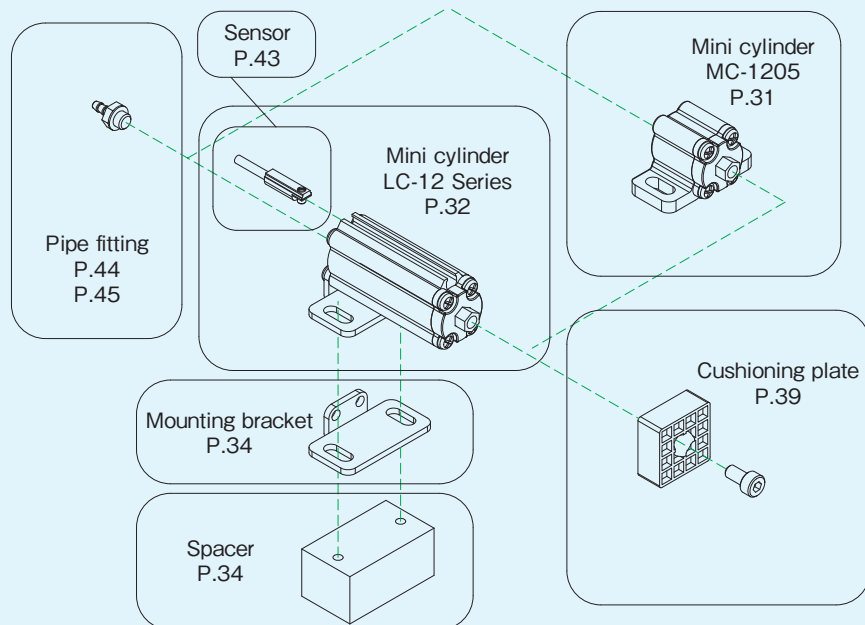
④ Compatible with sensor

Blank ··· Not compatible with sensor
S ······· Compatible with sensor
SW ······· Compatible with cushioning plate with SW (MC-1815 only)

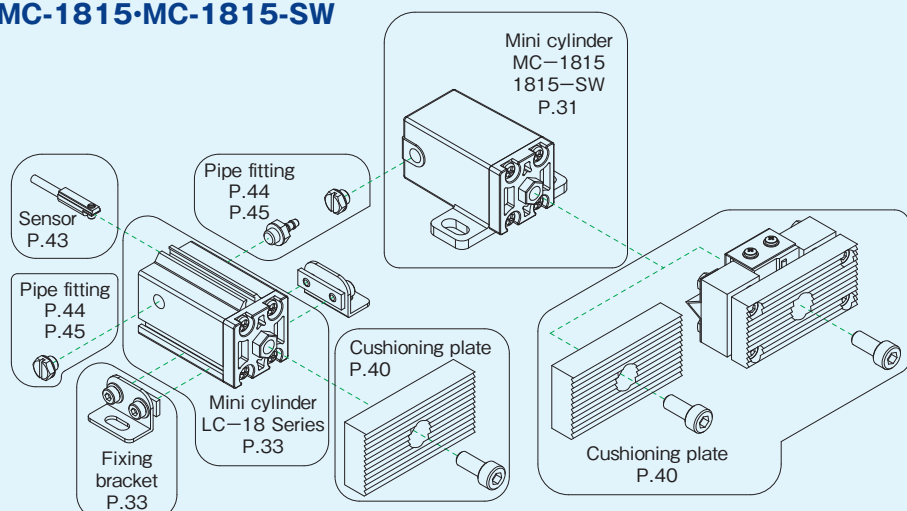
*Accessories and fittings are not included. Prepare separately.

Code	Part code
MC-1205	*MC-1205
MC-1815	*MC-1815
MC-1815-SW	*MC-1815-SW
LC-1210	*LC-1210
LC-1210S	*LC-1210S
LC-1220	*LC-1220
LC-1220S	*LC-1220S
LC-1230	*LC-1230
LC-1230S	*LC-1230S
LC-1810	*LC-1810
LC-1810S	*LC1810-S
LC-1820	*LC-1820
LC-1820S	*LC-1820S
LC-1830	*LC-1830
LC-1830S	*LC-1830S

LC-1210·1220·1230 / MC-1205



LC-1810·1820·1830 / MC-1815·MC-1815-SW



Mini cylinder

Aluminum die-cast type

MC-1205 • MC-1815

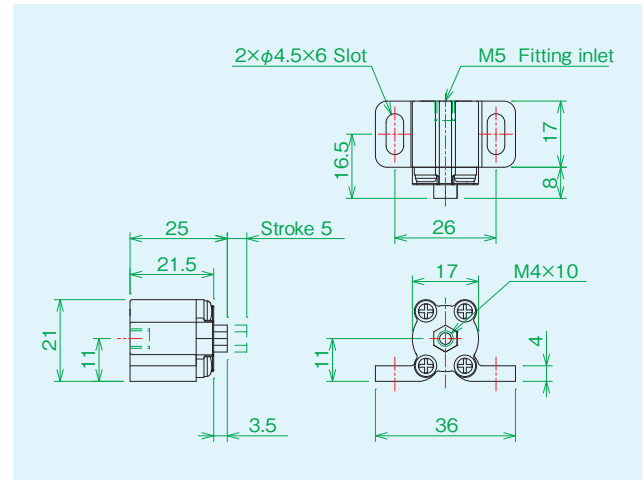
- Aluminum die-cast body contributes to improvement in strength and durability.
- Low-priced standard model

Mini cylinder
MC-1205



Product name	Mini cylinder MC-1205
Part code	*MC-1205
Weight	20.0g

*Pipe fittings are not equipped. (See p. 44)



Mini cylinder
MC-1815



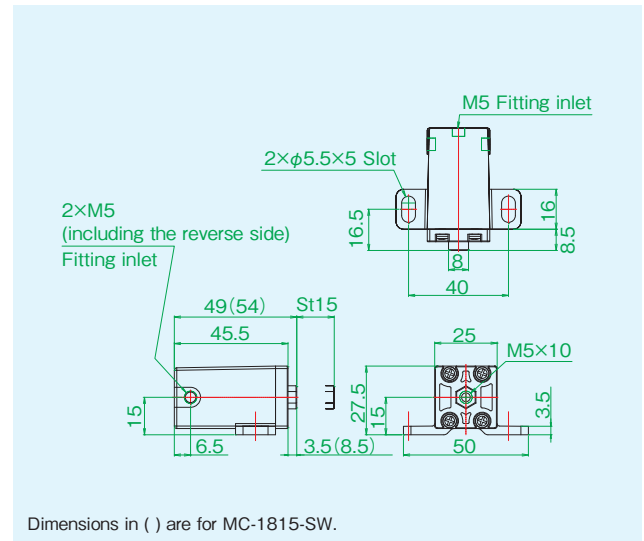
Product name	Mini cylinder MC-1815
Part code	*MC-1815
Weight	67.6g

Mini cylinder
MC-1815-SW
For cushioning plate
with switch



Product name	Mini cylinder MC-1815-SW
Part code	*MC-1815-SW
Weight	70.5g

*Pipe fittings are not equipped. (See p. 44)

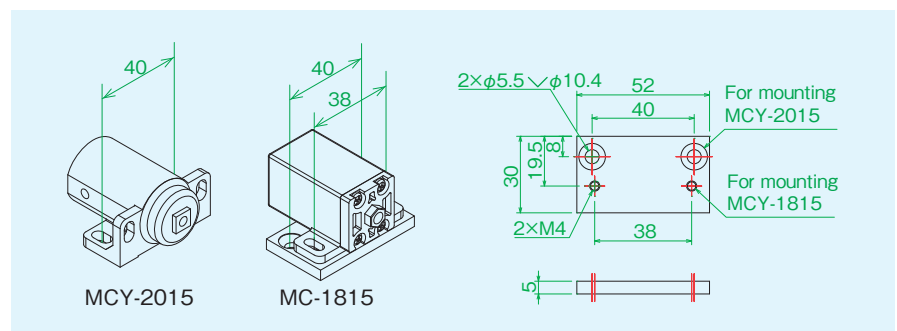


1815 Convert spacer
(mounting pitch 38mm→40mm)



Product name	1815 Convert spacer
Part code	*KH03AH200
Weight	19.6g
Material	A5052P
Accessories	CAPM4×8 Cross plate M5×10 φ4 Flat washer, spring Washer, 2 each

Although the mounting pitch is different between mini-cylinders MCY-2015 and MC-1815, by using the 1815 conversion spacer together, the same mounting pitch as MCY-2015 can be used.



Mini cylinder

Aluminum extrusion type

LC-12 Series

- Improved strength and durability by adopting an aluminum body
- Three variations of cylinder stroke (10, 20, and 30 mm) are available for various applications.
- A sensor cylinder and a sensor can also be used for grip verification.
- Two types of mounting bracket are available for a variety of installation.

Main unit only

LC-1210(S)



ROHS2

LC-1220(S)



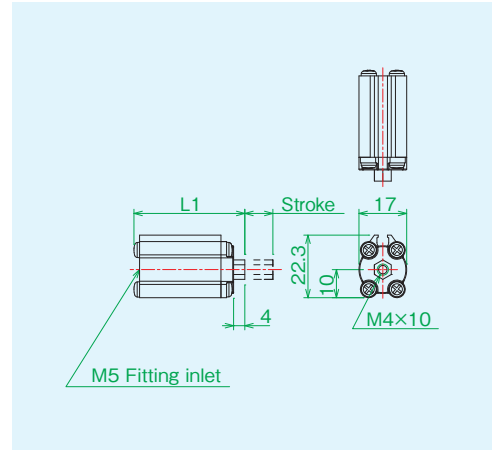
ROHS2

LC-1230(S)



ROHS2


Product name	Part code	Compatible with sensor	Stroke	L1	Weight
LC-1210	*LC-1210	—	10mm	39.5mm	27.0g
LC-1210S	*LC-1210S	○			30.0g
LC-1220	*LC-1220	—	20mm	53.5mm	38.3g
LC-1220S	*LC-1220S	○			39.7g
LC-1230	*LC-1230	—	30mm	63.5mm	45.8g
LC-1230S	*LC-1230S	○			47.2g



*Sensor is sold separately. (See p.43) *Pipe fittings are not equipped. (See p.44 - 45)


Main unit + Mounting bracket A

LC-1210(S)
with bracket A




ROHS2

LC-1220(S)
with bracket A



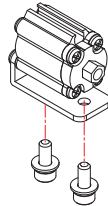
ROHS2

LC-1230(S)
with bracket A

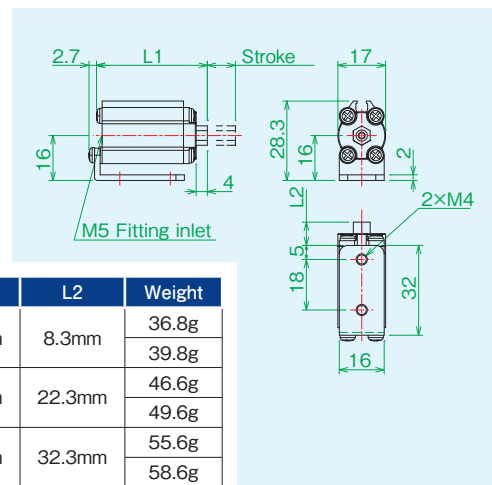


ROHS2

(Usage example)



Product name	Part code	Compatible with sensor	Stroke	L1	L2	Weight
LC-1210 (with bracket A)	*LC-1210-A	—	10mm	39.5mm	8.3mm	36.8g
LC-1210S (with bracket A)	*LC-1210S-A	○				39.8g
LC-1220 (with bracket A)	*LC-1220-A	—	20mm	53.5mm	22.3mm	46.6g
LC-1220S (with bracket A)	*LC-1220S-A	○				49.6g
LC-1230 (with bracket A)	*LC-1230-A	—	30mm	63.5mm	32.3mm	55.6g
LC-1230S (with bracket A)	*LC-1230S-A	○				58.6g



*Sensor is sold separately. (See p.43) *Pipe fittings are not equipped. (See p.44 - 45)

Main unit + Mounting bracket B

LC-1210(S)
with bracket B



ROHS2

LC-1220(S)
with bracket B



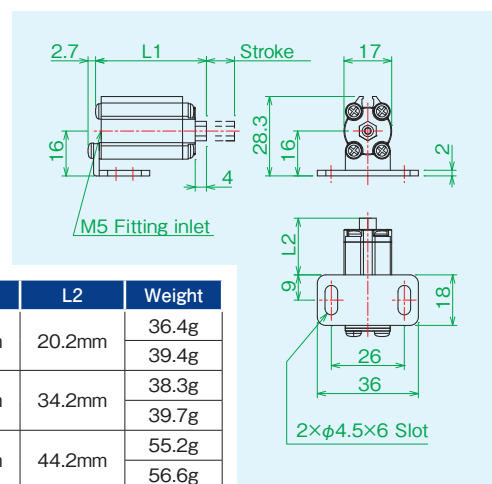
ROHS2

LC-1230(S)
with bracket B



ROHS2

Product name	Part code	Compatible with sensor	Stroke	L1	L2	Weight
LC-1210 (with bracket B)	*LC-1210-B	—	10mm	39.5mm	20.2mm	36.4g
LC-1210S (with bracket B)	*LC-1210S-B	○				39.4g
LC-1220 (with bracket B)	*LC-1220-B	—	20mm	53.5mm	34.2mm	38.3g
LC-1220S (with bracket B)	*LC-1220S-B	○				39.7g
LC-1230 (with bracket B)	*LC-1230-B	—	30mm	63.5mm	44.2mm	55.2g
LC-1230S (with bracket B)	*LC-1230S-B	○				56.6g



*Sensor is sold separately. (See p.43) *Pipe fittings are not equipped. (See p.44 - 45)

Mini cylinder

Aluminum extrusion type

LC-18 Series

- Improved strength and durability by adopting an aluminum body
- Three variations of cylinder stroke (10, 20, and 30 mm) are available for various applications.
- A sensor cylinder and a sensor can also be used for grip verification.
- Cylinder position can be adjusted by sliding the fixing bracket.
- Angle adjustment bracket enables various gripping angles for gripping molded parts.

Main unit only (The Mounting bracket is not included. Choose items from the list below.)

LC-1810(S)



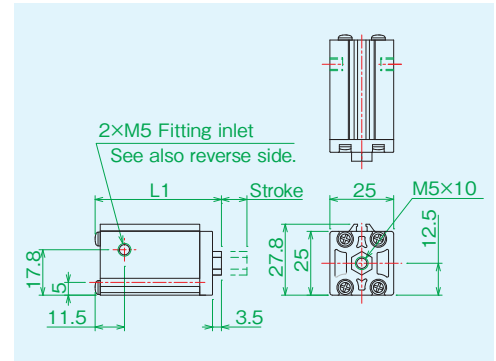
LC-1820(S)



LC-1830(S)



Product name	Part code	Compatible with sensor	Stroke	L1	Weight
LC-1810	*LC-1810	—	10mm	49.5mm	64.1g
LC-1810S	*LC-1810S	○			67.1g
LC-1820	*LC-1820	—	20mm	59.5mm	77.8g
LC-1820S	*LC-1820S	○			80.8g
LC-1830	*LC-1830	—	30mm	69.5mm	90.8g
LC-1830S	*LC-1830S	○			93.8g



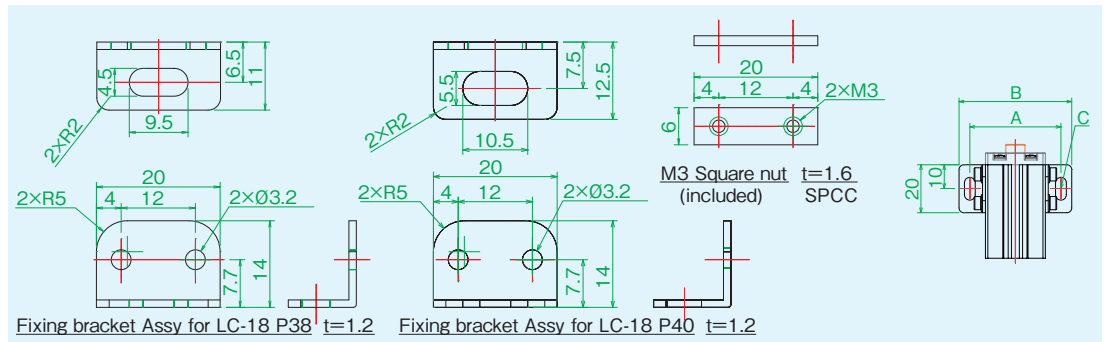
*Sensor is sold separately. (See p.43)
*There are two piping connection ports, so use the blind plug to unnecessary pipe connections. (See p.44 - 45)

Fixing bracket for LC-18

Fixing bracket
Assy for LC-18



Material:SUS304



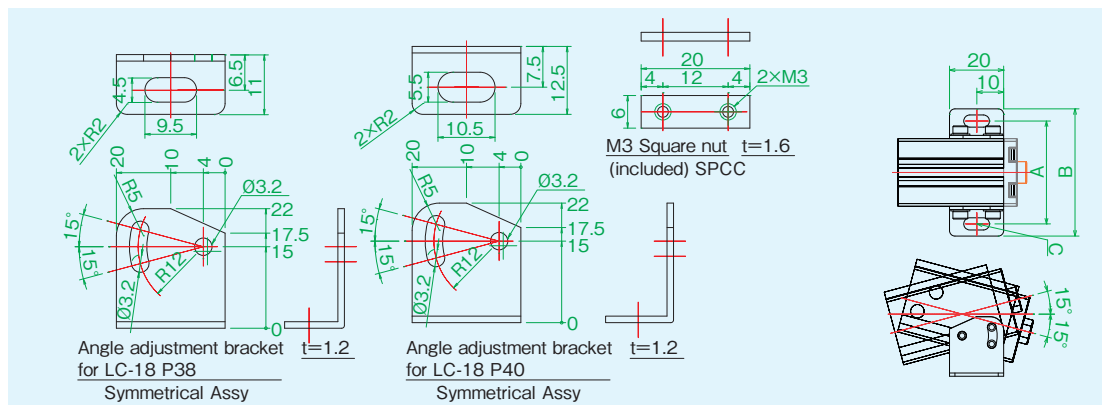
Product name	Part code	A	B	C[mm]	Weight
Fixing bracket Assy for LC-18 P38	*LC18-KSET-P38	38mm	47mm	φ4.5×5	10.4g (2 brackets + 2 square nut)
Fixing bracket Assy for LC-18 P40	*LC18-KSET-P40	40mm	50mm	φ5.5×5	10.4g (2 brackets + 2 square nut)

Angle adjustment bracket for LC-18

Angle adjustment
bracket Assy for
LC-18



Material:SUS304



Product name	Part code	A	B	C[mm]	Weight
Angle adjustment bracket Assy for LC-18 P38	*LC18-ASET-P38	38mm	47mm	φ4.5×5	12.8g (2 brackets + 2 square nut)
Angle adjustment bracket Assy for LC-18 P40	*LC18-ASET-P40	40mm	50mm	φ5.5×5	12.8g (2 brackets + 2 square nut)

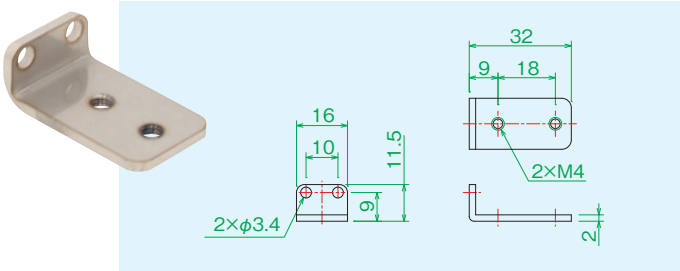
Mounting bracket

Accessories

Mounting bracket for MC-12 · LC-12

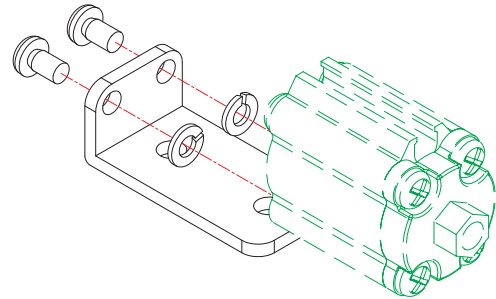
LC-12 Mounting bracket

Mounting bracket A



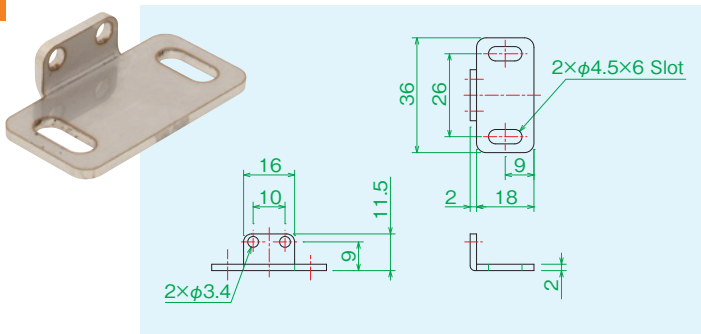
Product name	LC-12 Mounting bracket A
Part code	*LC12-A
Weight	9.8g
Material	SUS304
Accessories	M3 spring W 2pcs

(Usage example)



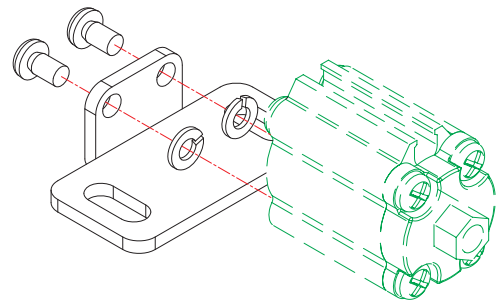
*Cylinder screws can be used for bracket screws

Mounting bracket B



Product name	LC-12 Mounting bracket B
Part code	*LC12-B
Weight	9.4g
Material	SUS304
Accessories	M3 spring W 2pcs

(Usage example)



*Cylinder screws can be used for bracket screws

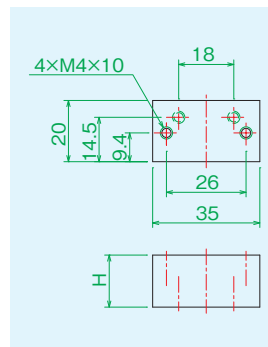
Spacer

The spacers are available to adjust the mounting height for MC-12/LC-12.

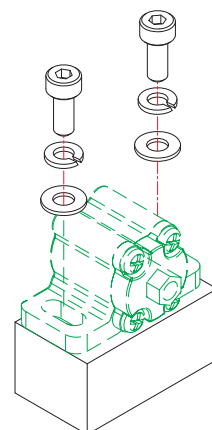
Spacer A

Spacer B

Spacer C



(Usage example)



Product name	1205 Spacer A (with screws)	1205 Spacer B (with screws)	1205 Spacer C (with screws)
Part code	*MC-1205-H27-A	*MC-1205-H17-B	*MC-1205-H5-C
Height (H)	27mm	17mm	5mm
Weight	41.9g	30.3g	8.7g
Material	A5052P	A5052P	A5052P
Accessories	CAPM4×10/φ4 Flat Washers/M4 Spring W 2 pcs each		

Mini cylinder lever type

Parts configuration

DF-12 · PF2-12S

Code	DF-12	DF-12T (with tube)	DF-12S (Compatible with sensor)	DF-12ST (Compatible with sensor with tube)	PF2-12S	PF2-12S-T (with tube)	PF2-12S-S with silicone rubber	PF2-12S-N with nitrile rubber
Part code	*DF-12	*DF-12-T	*KG12CS	*DF-12S-T	*PF2-12S	*PF2-12S-T	*PF2-12S-S	*PF2-12S-N
Material	Aluminum die-cast				Main unit/lever: PBT			
Fluid	Compressed air							
Operation type	Single action type							
Stroke [mm]	6							
Working pressure range [MPa]	0.24~0.59							
Guaranteed pressure resistance [MPa]	0.7							
Angle adjustment range [°]	20				—			
Grip thrust *at 0.59MPa [N]	48							
Temperature range of use [°C]	5~60							
Weight [g]	47.1	49.6	48.5	51	32	35.9	39	39

Notation of the code

DF - 12 S T

① ② ③ ④

① Material

DF····· Die-cast
PF2···· Main unit, lever PBT/plastic

② Cylinder bore diameter

12···φ12

③ Compatible with sensor

Blank···· Not compatible with sensor
S········ Compatible with sensor

④ Accessories

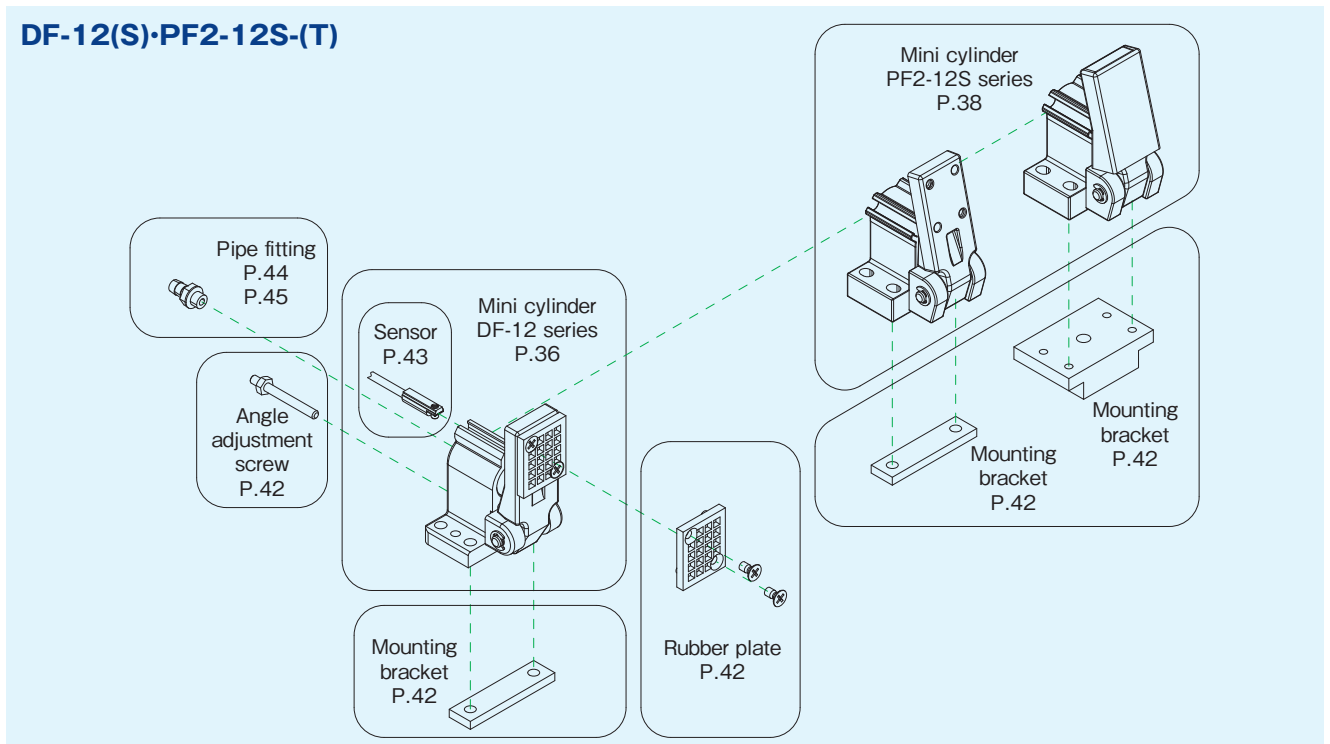
T····With thermal shrink recon rubber tubing
N····With nitrile rubber plate
S····With silicone rubber plate



Product name	DF12 with tube	Product name	PF2-12S-N With rubber plate	Product name	PF2-12S-S With rubber plate
Part code	*DF-12-T	Part code	*PF2-12S-N	Part code	*PF2-12S-S

*All PF2 types are compatible with sensor. *Sensor for DF and PF2 type (sold separately, see p.43)

*The rubber plate type is not mountable to the type with tube. *The tube type is not mountable to the Rubber plate type. *Pipe fittings are not equipped. (See p.44 - 45)



Mini cylinder

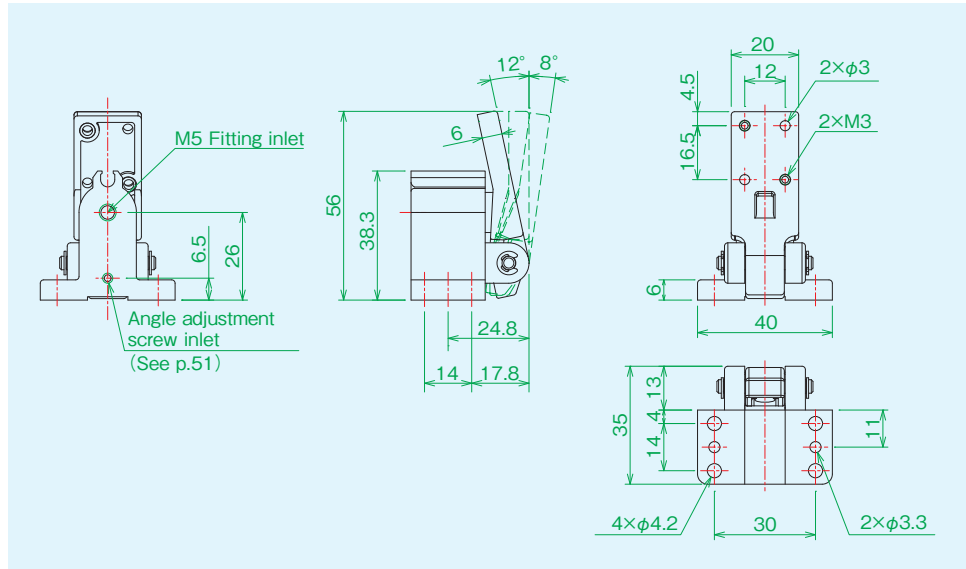
Die-cast lever type

DF-12 Series

- Improved strength and durability by adopting aluminum die-cast body for proven PF-12
- A sensor cylinder and a sensor can also be used for grip verification.
- As it is a lever type, it can be used in a narrow space.

Without rubber plate

Mini cylinder
DF-12(S)



Product name	Part code	Compatible with sensor	Weight
Mini cylinder DF-12	*DF-12	—	47.1g
Mini cylinder DF-12S	*DF-12S	○	48.5g

*Sensor is sold separately. (See p.43) *Pipe fittings are not equipped. (See p.44 - 45)

With silicone rubber plate

DF-12(S)
with S rubber plate



Silicone rubber plate

Temperature range of use: -60°C to +180°C

Product name	Part code	Compatible with sensor	Weight
DF-12 With S rubber plate	*DF-12-S	—	48.8g
DF-12S With S rubber plate	*DF-12S-S	○	50.2g

*Sensor is sold separately. (See p.43) *Pipe fittings are not equipped. (See p.44 - 45)

With nitrile rubber plate

DF-12(S)
with N rubber plate



Nitrile rubber plate

Temperature range of use: -60°C to +80°C

Product name	Part code	Compatible with sensor	Weight
DF-12 With N rubber plate	*DF-12-N	—	48.8g
DF-12S With N rubber plate	*DF-12S-N	○	50.2g

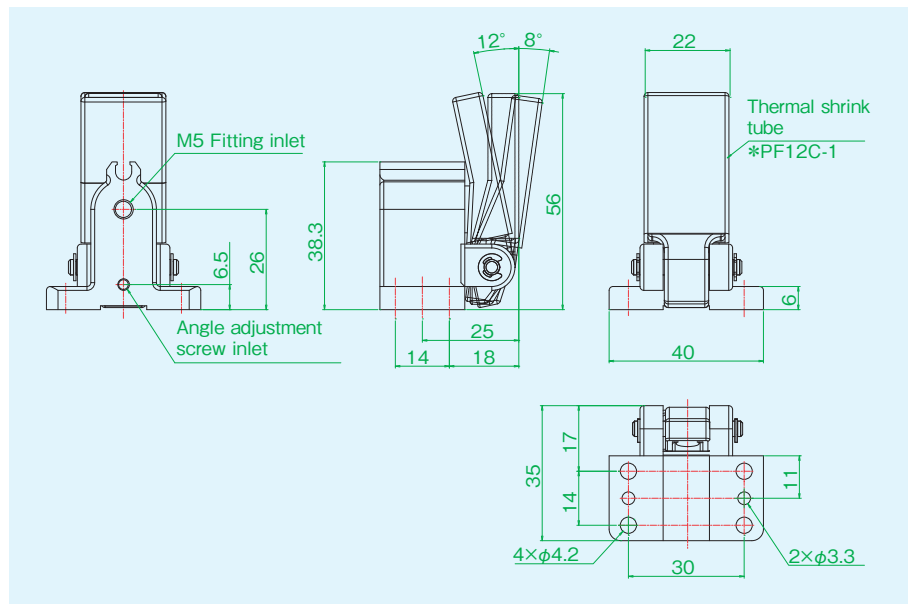
*Sensor is sold separately. (See p.43) *Pipe fittings are not equipped. (See p.44 - 45)

Mini cylinder

Die-cast lever type

DF-12 Series

With thermal shrink silicone rubber tube
DF-12(S)T



Product name	Part code	Compatible with sensor	Weight
Mini cylinder DF-12T (with tube)	*DF-12-T	—	49.6g
Mini cylinder DF-12(S)T (with tube)	*DF-12S-T	○	51g

*Pipe fittings are not equipped. (See p.44 - 45)

Mini cylinder

Accessories

DF/PF thermal shrink tube

- This is a thermal shrink silicon rubber tube for insulation, protection or coverage, whose inside diameter shrinks in a half by applying heat.

Thermal shrink tube (1m)



Product name	Thermal shrink tube (1m)
Part code	*PF12C-1
Diameter before shrink [mm]	16.0
Wall thickness before shrink [mm]	0.75
Diameter after shrink [mm]	8.0
Wall thickness after shrink [mm]	1.5
Material	Silicone rubber
Shrink temperature [°C]	Over 120
Temperature range [°C]	-50°C~200°C
Shrink rate	Over 50%

※ Order by meter.

Mini cylinder

Plastic body type

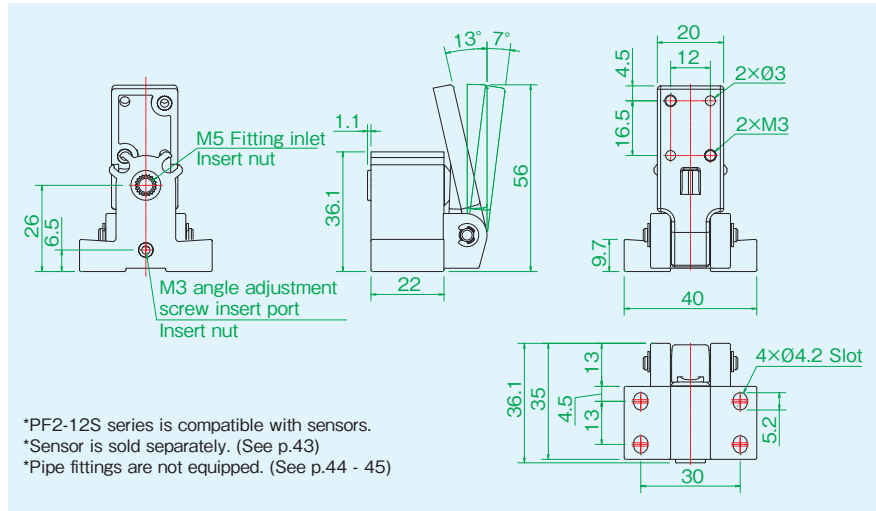
PF2-12S Series

Mini cylinder
PF2-12S

RoHS2



Product name	Mini cylinder PF2-12S
Part code	*PF2-12S
Weight	32g
Material	Main unit/lever: PBT

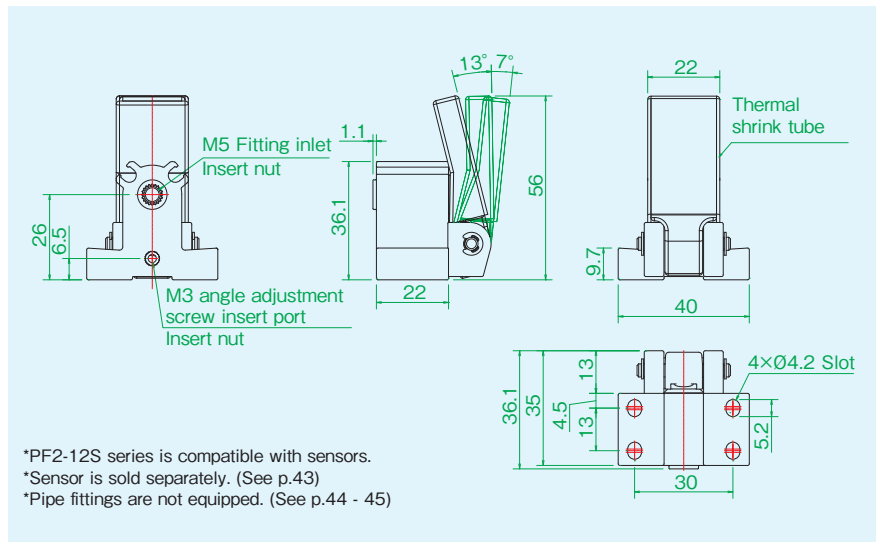


Mini cylinder
PF2-12ST
(with tube)

RoHS2



Product name	Mini cylinder PF2-12ST with thermal shrink silicon tube
Part code	*PF2-12S-T
Weight	35.9g
Material	Main unit/lever: PBT



Mini cylinder
PF2-12SS
With silicone
rubber plate

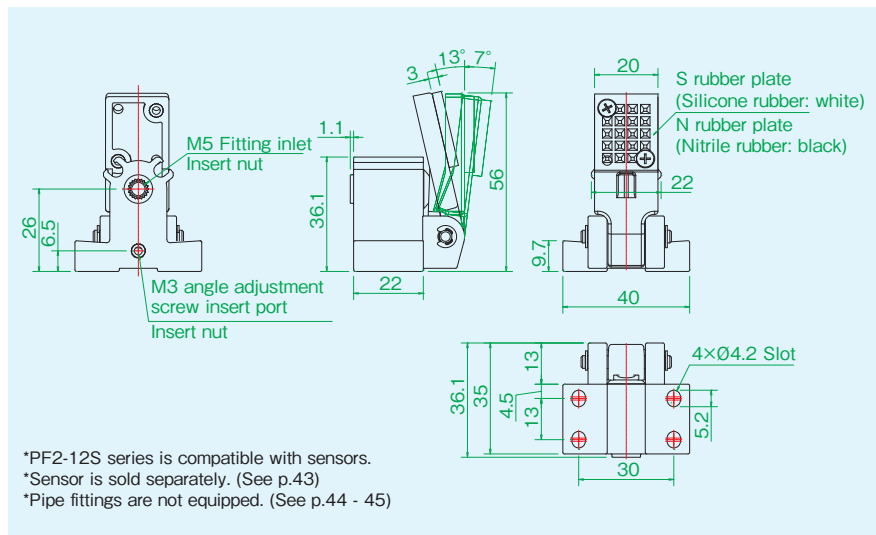
RoHS2



Product name	Mini cylinder PF2-12S With N rubber plate	Mini cylinder PF2-12S With S rubber plate
Part code	*PF2-12S-N	*PF2-12S-S
Weight	39g	39g
Material	Main unit/lever: PBT	Main unit/lever: PBT

Mini cylinder
PF2-12SN
with nitrile
rubber plate

RoHS2



Mini cylinder

Accessories

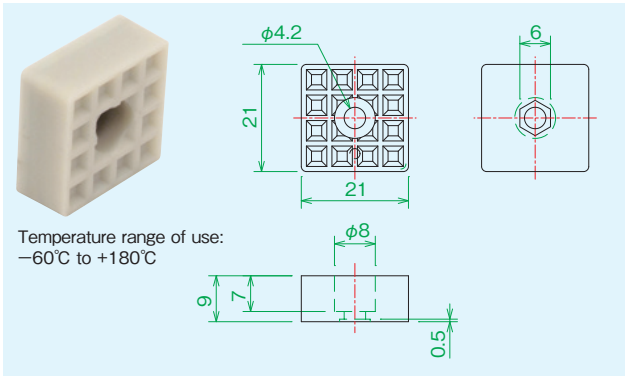
Cushioning plates, 12 series

● Anti-loose screws are used to prevent loosening of the screws due to vibration, etc.

Silicone rubber cushioning plate, 12 series (with screw)

RHS2

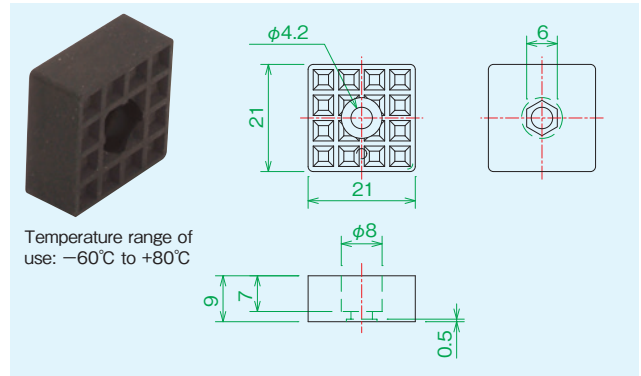
Product name	Silicone rubber cushioning plate, 12 series (with screw)
Part code	*GP12S
Weight	10g with locking screw
Material	Silicone rubber (SPCC-SD)
Accessories	CAPM4×8, 1pc



Nitrile rubber cushioning plate, 12 series (with screw)

RHS2

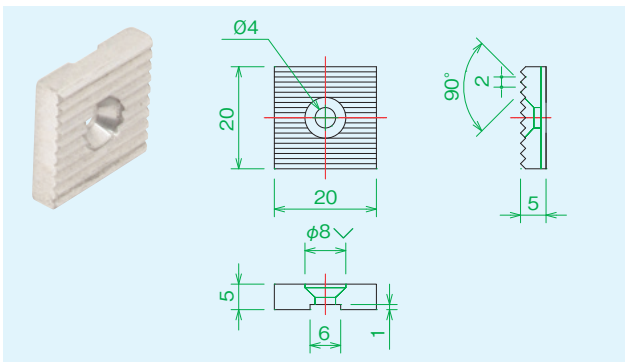
Product name	Nitrile rubber cushioning plate, 12 series (with screw)
Part code	*GP12N
Weight	10g with locking screw
Material	Nitrile rubber (SPCC-SD)
Accessories	CAPM4×8, 1pc



Ribbed plate, 12 series (with screw)

RHS2

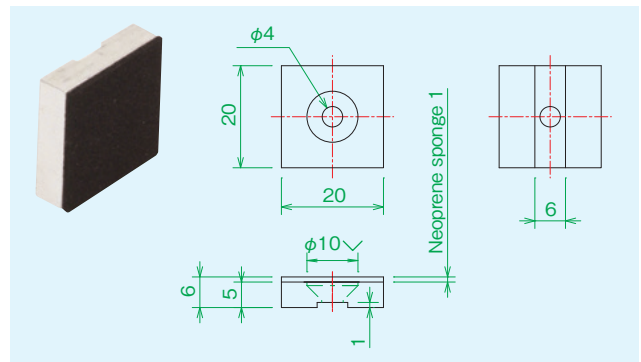
Product name	Ribbed plate, 12 series (with screw)
Part code	*GP12W
Weight	5g with locking screw
Material	A5052P
Accessories	Cross plate M4x8, 1pc



Neoprene sponge flat plate, 12 series (with screw)

RHS2

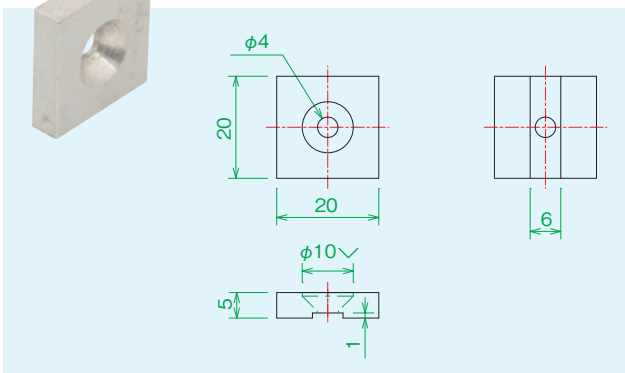
Product name	Neoprene sponge flat plate, 12 series (with screw)
Part code	*GP12FN
Weight	5g with locking screw
Material	A5052P with neoprene sponge
Accessories	Cross plate M4x8, 1pc Neoprene sponge 1pc



Flat plate, 12 series (with screw)

RHS2

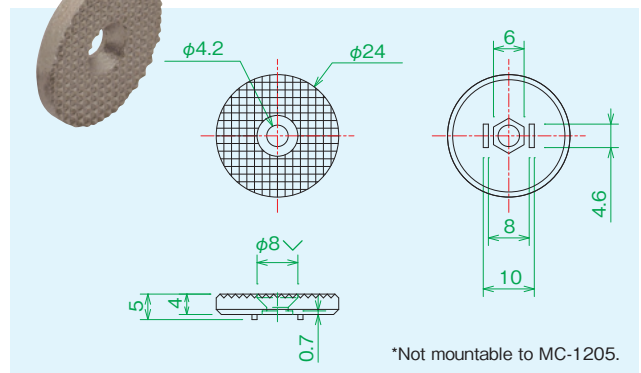
Product name	Flat plate, 12 series (with screw)
Part code	*GP12F
Weight	5g with locking screw
Material	A5052P
Accessories	Cross plate M4x8, 1pc



Round gripper, 12 series (with screw)

RHS2

Product name	Round gripper, 12 series (with screw)
Part code	*GP12C
Weight	5g with locking screw
Material	SCS13
Accessories	Cross plate M4x8, 1pc



Mini cylinder

Accessories

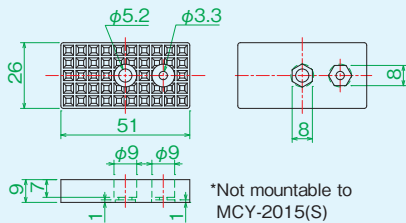
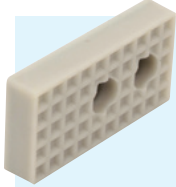
Cushioning plates, 18 series

● Anti-loose screws are used to prevent loosening of the screws due to vibration, etc.

Silicone rubber cushioning plate, 18 series (with screw)

Product name	Silicone rubber cushioning plate, 18 series (with screw)
Part code	*GP18S
Weight	30g with locking screw
Material	Silicone rubber (SPCC-SD)
Accessories	Low head screw CAPM5×12 1pc

ROHS2



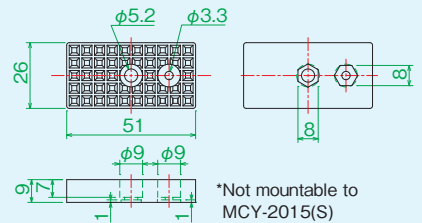
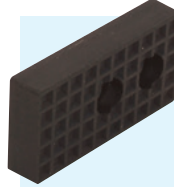
Temperature range of use: -50°C to +180°C

*Not mountable to MCY-2015(S)

Nitrile rubber cushioning plate, 18 series (with screw)

Product name	Nitrile rubber cushioning plate, 18 series (with screw)
Part code	*GP18N
Weight	30g with locking screw
Material	Nitrile rubber (SPCC-SD)
Accessories	Low head screw CAPM5×12 1pc

ROHS2



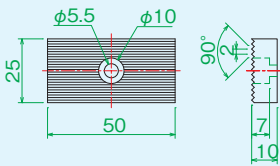
Temperature range of use: -50°C to +80°C

*Not mountable to MCY-2015(S)

Ribbed plate, 18 series (with screw)

Product name	Ribbed plate, 18 series (with screw)
Part code	*GP18W
Weight	30g with locking screw
Material	A5052P
Accessories	CAPM5×12 1pc

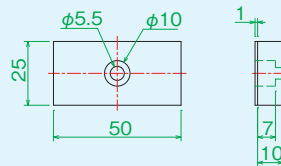
ROHS2



Neoprene sponge flat plate, 18 series (with screw)

Product name	Neoprene sponge flat plate, 18 series (with screw)
Part code	*GP18FN
Weight	32g with locking screw
Material	A5052P with neoprene sponge
Accessories	CAPM5×12 1pc

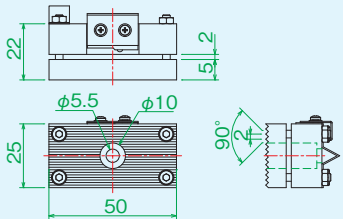
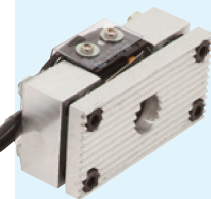
ROHS2



Ribbed plate with SW, 18 series (with screw and 1m cable)

Product name	Ribbed plate with SW, 18 series (with screw)
Part code	*GP20SW
Weight	90g with locking screw
Material	A5052P
Accessories	CAPM5×12 1pc

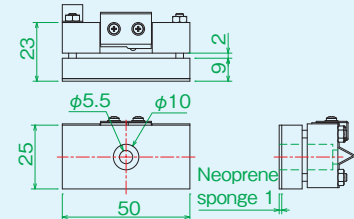
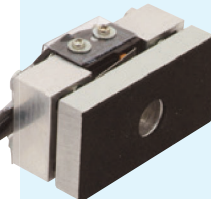
ROHS2



Flat plate with SW, 18 series (with screw and 1m cable)

Product name	Flat plate with SW, 18 series (with screw)
Part code	*GP20SF
Weight	80g with locking screw
Material	A5052P with neoprene sponge
Accessories	CAPM5×12 1pc

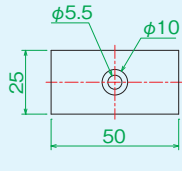
ROHS2



Flat plate, 18 series (with screw)

Product name	Flat plate, 18 series (with screw)
Part code	*GP18F
Weight	32g with locking screw
Material	A5052P
Accessories	CAPM5×12 1pc

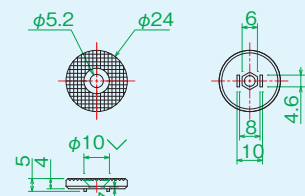
ROHS2



Round gripper, 18 series (with screw)

Product name	Round gripper, 18 series (with screw)
Part code	*GP18C
Weight	12g with locking screw
Material	SCS13
Accessories	Cross plate M5×10, 1pc

ROHS2

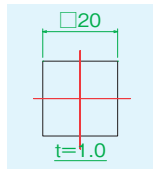
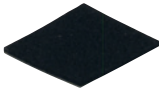


Mini cylinder

Accessories

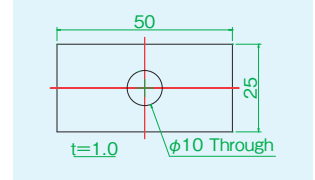
12, 18, and 20 series

Neoprene sponge for flat plate, 12 series



Product name	Neoprene sponge (with double-sided tape)
Part code	*NSP-12
Material	Neoprene sponge

Neoprene sponge for flat plate, 18/20 series
Neoprene sponge for flat plate with SW



Product name	Neoprene sponge (with double-sided tape)
Part code	*NSP-20
Weight	0.4g
Material	Neoprene sponge

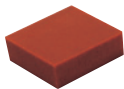
Accessories

Silicon sponge sheet (with double-sided tape)

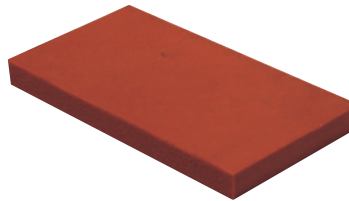
- Excellent heat insulation
- Generally, it can be used from -60 to +20°C, depending on the degree of compaction.
- Excellent rebound elasticity

S-rubber sponge for lever type

(Usage example)



Silicone rubber sponge



[Note for attaching silicon sponge rubber]

- ① Wipe off the grease with alcohol or ethanol from the surface on which the sponge is applied. Please do not touch the cleaned surface.
- ② After putting the sponge, please apply light pressure for 24 hours so that the sponge attaches to the surface well.
- ③ If the sponge loses the adhesive strength, please use some silicon adhesive.

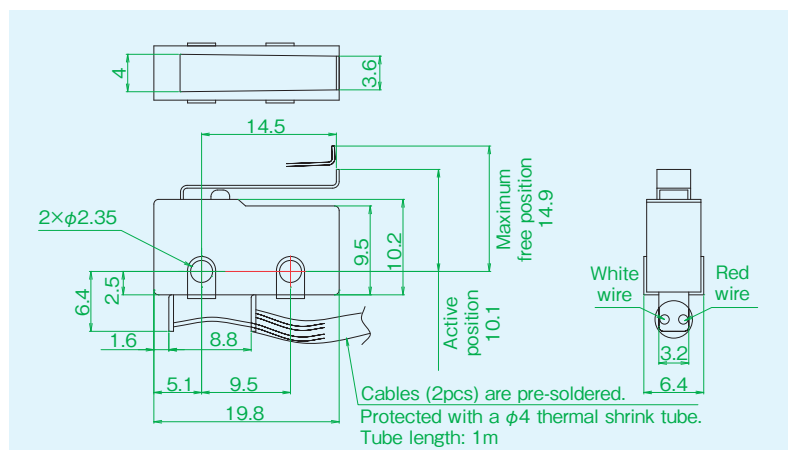
Product name	S-rubber sponge for lever type (with double-sided tape)	S rubber sponge, 12 series (with double-sided tape)	S rubber sponge, 18 series (with double-sided tape)	Silicone rubber sponge (with double-sided tape)
Part code	*SPO-24-20-8	*SPO-20-20-8	*SPO-50-25-8	*SPO-100-50-8
Weight	2.1g	2g	6g	20.8g
Material	Silicone rubber sponge	Silicone rubber sponge	Silicone rubber sponge	Silicone rubber sponge
Specification	20×24 t=8	20×20 t=8	50×25 t=8	100×50 t=8
Applicable product	PF-DF series	Flat plate, 12 series	Flat plate, 18 series	—
Drawing				

Flat plate with SW, 18/20 series
Switch for ribbed plate



*Mounting screws not included.
(Mounting screw: *CAPM2-12RW, cross recessed small pan head screw)

Product name	MCY-2015 Switch
Part code	*GSW-A
Weight	26.4g
Material	—



Mini cylinder

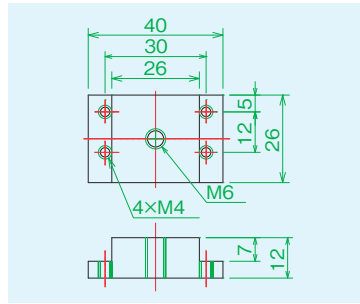
Accessories

Mounting bracket, PF/DF series

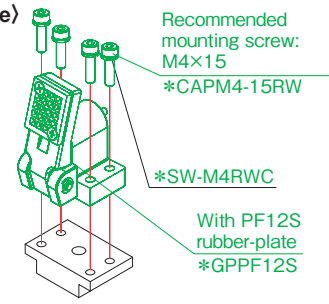
PF-12 mount plate



Product name	PF-12 mount plate
Part code	PF12B
Weight	30g
Material	A5052P



(Usage example)



Accessories

PF series / DF series

S rubber plate

RoHS2



Apply the specified adhesive when attaching the plate. See p. 41.
Temperature range of use: -50°C to +180°C

Product name	DF-12·PF-12 S rubber plate (with screw)
Part code	*GPPF12S
Weight	1.7g with locking screw
Material	Silicone rubber
Accessories	Cross recessed flat head screw M3x8, 2pcs

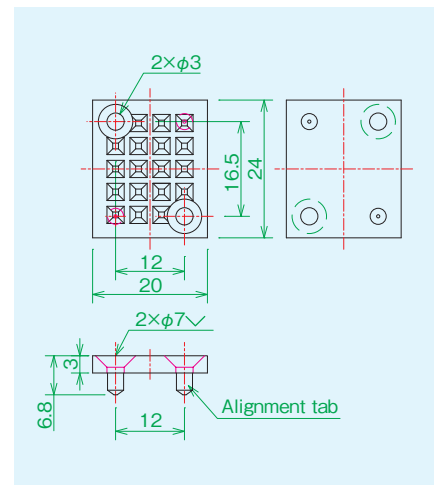
N rubber plate

RoHS2



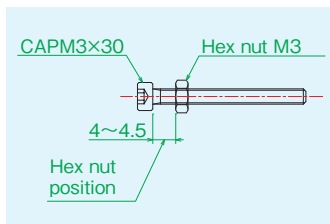
Apply the specified adhesive when attaching the plate. See p. 41.
Temperature range of use: -50°C to +80°C

Product name	DF-12·PF-12 N rubber plate (with screw)
Part code	*GPPF12N
Weight	1.7g with locking screw
Material	Nitrile rubber
Accessories	Cross recessed flat head screw M3x8, 2pcs

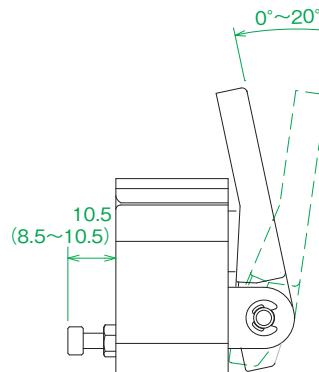


Angle adjustment screw

RoHS2

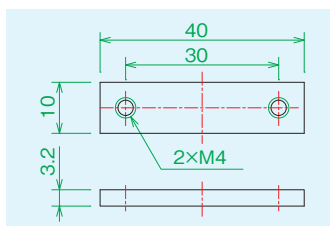


Product name	DF-12 Angle adjustment screw
Part code	*PF12AS
Weight	2.0g
Material	SCM435



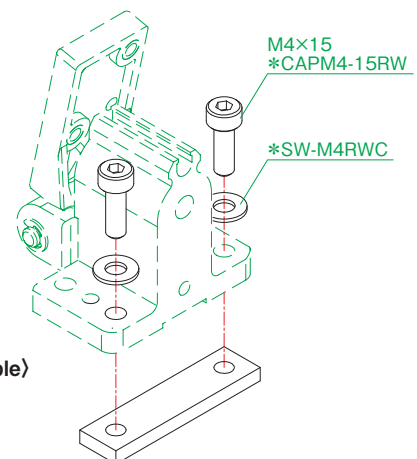
The angle is adjustable between 0 and 20 degrees.

Mounting bracket



Product name	DF-12 Mounting bracket
Part code	*DF-12MB
Weight	9.4g
Material	SPCC
Accessories	CAPM4x15/Flat washer 2pcs each

(Usage example)



Mini cylinder

Accessories

Sensor / Adhesive

Sensor



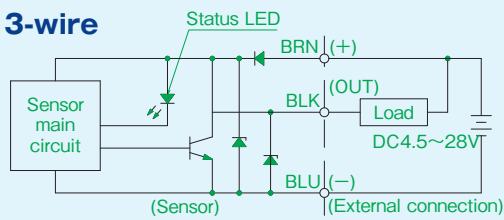
If grip verification is needed, use it with the sensor-compatible mini cylinder.

〈Application example〉

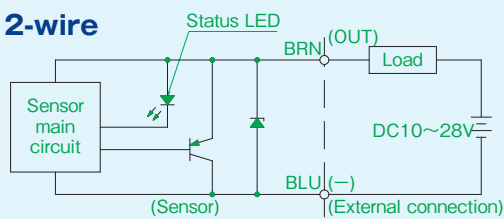


Product name	Contactless sensor 3-wire	Contactless sensor 2-wire
Part code	*ZE155A	*ZE135A
Weight	15g	15g
Load current	40mA Max	4~20mA
Lead wires	1m	1m

3-wire



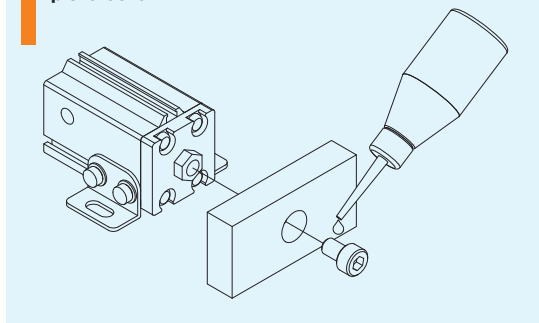
2-wire



Sealant



For cushioning plate screw



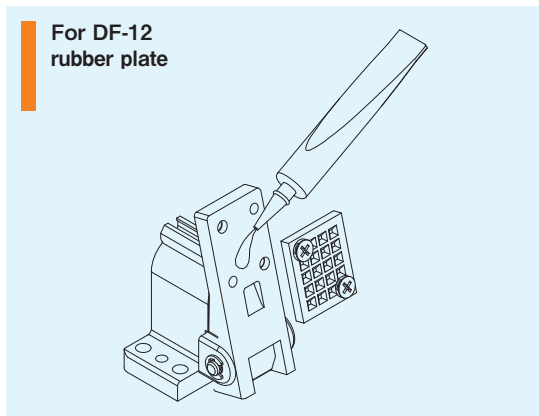
Product name	Anaerobic adhesive (red) 1374
Part code	*S-1374
Volume	50g

*Do not use any sealant when using a thread-locking screw.

Adhesive



For DF-12 rubber plate



Product name	CEMEDINE Super X Clear
Part code	*SUPER-X-CLEAR
Volume	20mℓ

Mini cylinder

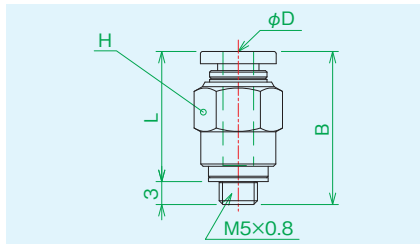
Accessories **RHS2**

One touch fitting for EOAT

- One touch fittings for easy tubing installation and removal
- If the part code ends with M, it is a mini type fitting specification

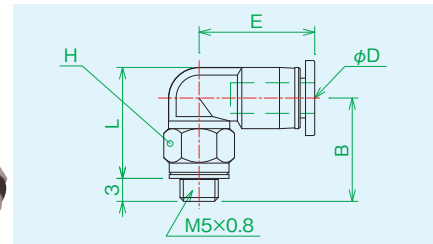
- Maximum working pressure: 1 MPa

Straight



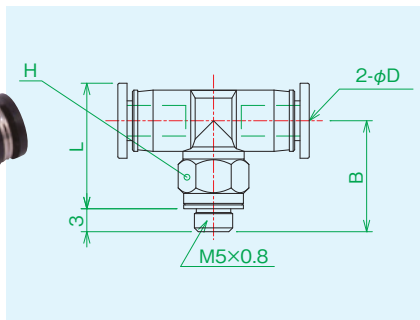
Part code	Tube φD (mm)	B (mm)	L (mm)	Opposite side H (mm)	Weight (g)
*PC4-M5M	4	15.6	12.6	8.0	3.2
*PC4-M5		20.0	17.0	10.0	6.3
*PC6-M5M	6	17.0	14.0	10.0	4.5
*PC6-M5		22.1	19.1	12.0	9.2

Elbow



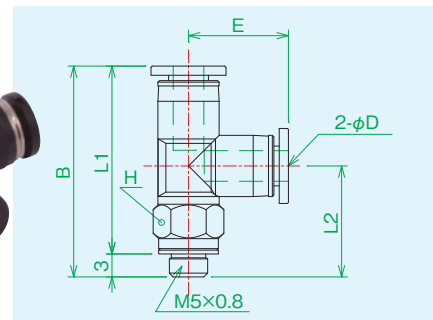
Part code	Tube φD (mm)	B (mm)	L (mm)	E (mm)	Opposite side H (mm)	Weight (g)
*PL4-M5M	4	13.5	14.5	15.1	8.0	3.4
*PL4-M5		20.3	22.3	18.0	10.0	8.0
*PL6-M5M	6	14.5	16.8	16.0	8.0	4.1
*PL6-M5		22.0	25.3	19.8	12.0	13.0

T



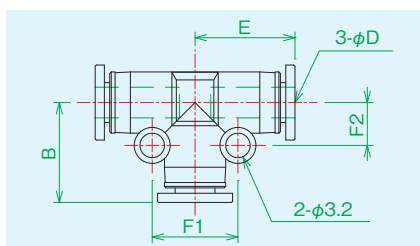
Part code	Tube φD (mm)	B (mm)	L (mm)	Opposite side H (mm)	Weight (g)
*PB4-M5M	4	14.5	15.5	8.0	4.3
*PB4-M5		20.2	22.2	10.0	11.0
*PB6-M5M	6	15.5	17.8	8.0	5.6
*PB6-M5		23	26.5	12.0	16.0

Branch T



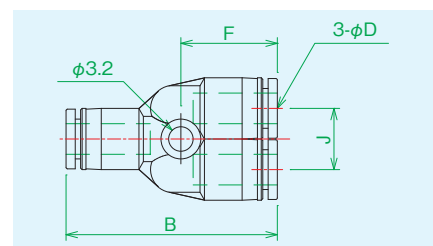
Part code	Tube φD (mm)	B (mm)	L1 (mm)	L2 (mm)	Opposite side H (mm)	Weight (g)
*PD4-M5M	4	27.6	24.6	11.5	8.0	4.4
*PD4-M5		37.1	34.1	17.2	10.0	11.0
*PD6-M5M	6	30.5	27.5	12.5	8.0	5.6
*PD6-M5		43.2	40.2	20.0	12.0	16.0

Union T



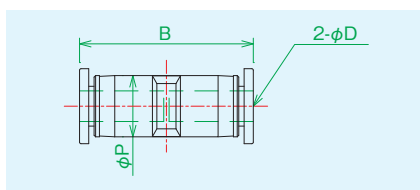
Part code	Tube φD (mm)	B (mm)	E (mm)	F1 (mm)	F2 (mm)	Weight (g)
*PE4M	4.0	13.1	13.0	11.2	5.6	3.3
*PE6M	6.0	15.0	15.0	13.2	6.6	5.3

Union Y



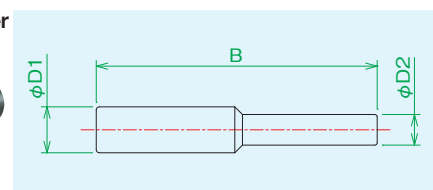
Part code	Tube φD (mm)	B (mm)	F (mm)	J (mm)	Weight (g)
*PY4M	4	27.6	12.6	8.0	3.4
*PY6M	6	31.0	14.0	10.5	5.5

Union Straight



Part code	Tube φD (mm)	B (mm)	φP (mm)	Weight (g)
*PU4M	4	22.7	8.0	2.0
*PU6M	6	24.4	10.4	3.1

Different diameter nipple



Part code	φD1 (mm)	φD2 (mm)	B (mm)	Weight (g)
*PIG6-4	6.0	4.0	36.7	0.5

Mini cylinder

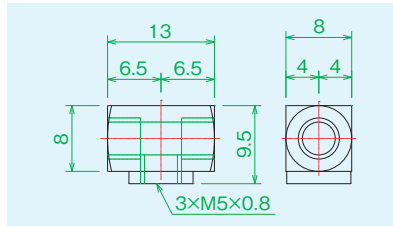
Accessories

Minimal fitting for EOAT

- Minimal fitting ideal for space-saving piping.
- Maximum working pressure: 1 MPa

TAC fitting : TF

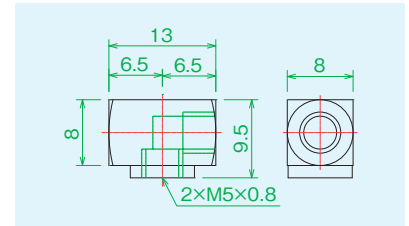
ROHS2



Part code	Weight [g]
*HTF	5.5

TAC fitting : EF

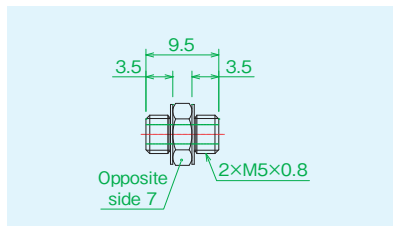
ROHS2



Part code	Weight [g]
*HEF	5.5

TAC fitting : NF

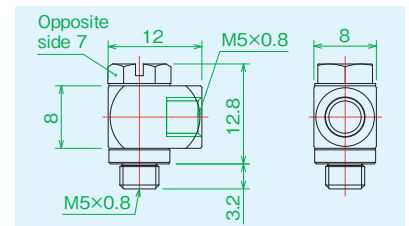
ROHS2



Part code	Weight [g]
*HNF	1.5

TAC fitting : UEF

ROHS2



Part code	Weight [g]
*HUEF	6.5

TAC fitting : UTF

ROHS2



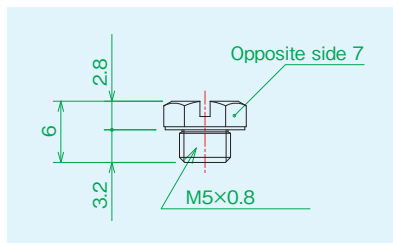
Part code	Weight [g]
*HUTF	6.5

Plug

ROHS2



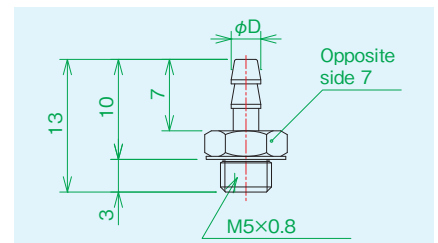
It is for covering an unnecessary fitting inlet.



Part code	Weight [g]
*HPF	3.2

Minimal straight

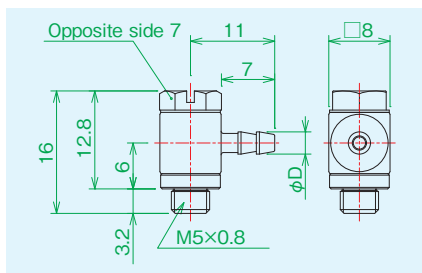
ROHS2



Part code	Tube fitting [mm]	φD [mm]	Weight [g]
*LC0320-M5	φ3.0	2	1.5
*HBF-5	φ4.0	2.5	1.5
*HBF-6	φ6.0	4.0	1.5

Minimal elbow

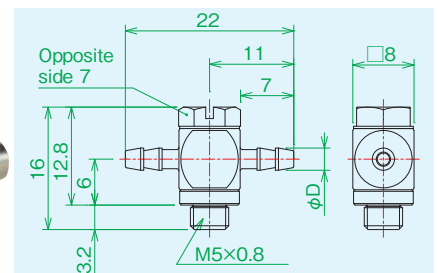
ROHS2



Part code	Tube fitting [mm]	φD [mm]	Weight [g]
*LH0320-M5	φ3.0	2	5.5
*LH0425-M5	φ4.0	2.5	5.5
*HUEF-6	φ6.0	4.0	6.0

Minimal T

ROHS2



Part code	Tube fitting [mm]	φD [mm]	Weight [g]
*LB0320-M5	φ3.0	2	5.3
*LB0425-M5	φ4.0	2.5	5.4
*HUTF-6	φ6.0	4.0	6.5

Mini cylinder

Accessories

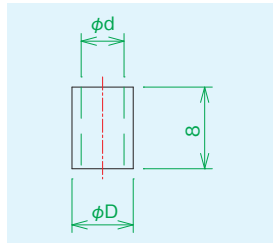
Tube for EOAT

Tube clamp sleeve

Use this to prevent a tube from disconnecting.



ROHS2



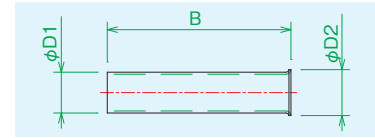
Part code	Tube fitting [mm]	φD [mm]	φd [mm]	Weight [g]
*LS-0425	φ4.0	6.0	4.0	0.3
*HTC	φ6.0	8.0	6.0	0.4

Insert ring (Tube inside diameter protective ring)

The ring keeps a tube inside diameter and prevents contracting. Soft tubes can be used for connection with this insert ring.

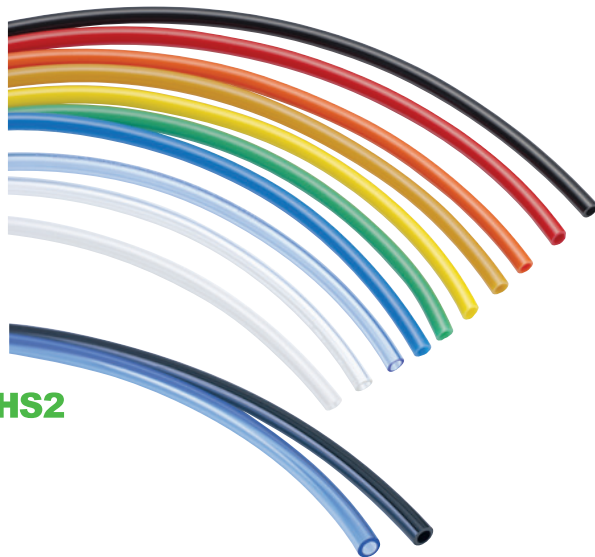


ROHS2



Part code	Tube fitting OD x ID [φ] [mm]	φD1 [mm]	φD2 [mm]	B [mm]	Weight [g]
*WR0425	4.0×2.5	2.5	3.0	18.0	0.20
*WR0640	6.0×4.0	4	4.5	18.5	0.35

Polyurethane tube



ROHS2

Fluid	Compressed air
Maximum working pressure	0.8MPa
Working vacuum pressure	-100kPa
Temperature range of use	-15 to 60 degree (no freeze)

Part code	Outside diameter	Tube colors
*UB0320B	φ3.0	Black
*UB0320R		Red
*UBT0425B	φ4.0	Black
*UB0425G		Green
*UB0425O		Orange
*UB0425R		Red
*UB0425Y		Yellow
*UB0425BU		Blue
*UBT0640B	φ6.0	Black
*UBT0640CB		Clear blue

※Tubes are available by the meter.

Silicone tube

ROHS2



Junlon tube

ROHS2



Product name	Silicone tube	Junlon tube
Part code	*SC6-20	*JC6-20
Weight	30g/m	30g/m
Material	Silicone rubber (φ6×φ3)	Flexible urethane tube
Temperature range of use	-60°C~+200°C (Compressed air)	-20°C~+60°C (Compressed air)

※Tubes are available by the meter.