

# Attachment

## The Fixture Mounting on A Force Gauge Thread or A Test Stand Table.

It helps compression/tension/peeling/coefficient of friction test and so on.



### The Attachment Types and How to Use

IMADA attachments are separated to 2 types generally.



The force gauge thread is **M6** or **M10** screw. The measurements are possible to mount the matching attachment on the force gauge thread.

The mounting attachment on force gauges.



The mounting attachment for the test stand table.

Type **1** is also possible to mount on test stands with a grip mounting adapter.



※It is attached with test stands (except some models)

- !** The attachment weight is applied as force. It is therefore, please choose the mounting attachments which is 10% or less of the capacity of force gauges.
- !** Please ask us how to use attachments before purchasing. Some sample shapes or materials are not approved for using. We help your measurements!!
- !** Some attachments are in accordance with Japanese Industrial Standard(JIS). A force gauge or a test stand is required for measurements in accordance with JIS. Please feel free to contact us for the details. When you need other standard such as ISO or ASTM, please contact us as well.

## Included Standard Attachments

The IMADA force gauge is including below attachments for basic compression/tension test.

### Standard Type

**M6**

(Standard attachments for the force gauge 1000N or less capacities.)

Made of Aluminum (A type) is included for the 100N or less capacity force gauge. Made of Steel is included for 200N to 1000N capacity force gauges.



The including contents ZTS/ZTA General type: ①~⑧, ZTA/ZTS-DPU-2~500N: ①~⑧, DS2: ①~⑥, PS/PSM: ①~⑥, FB: ①~⑥. For 1000N capacity, SR-1 is included instead of S-1.

A lot of force measurements are introduced on our website by types of force or industries. Each product specification is possible to download from the website. Please feel free to contact us.

●IMADA service group telephone number: +81(0)532-33-3288

### High Capacity Type

**M10**

(Standard attachments for beyond 1000N high capacity model force gauges.)



The included contents: ZTA/ZTS-2500N/5000N: ①~⑧, ZTA/ZTS-DPU-1000~5000N: ①~⑥, PSH: ①~⑧

IMADA Search <http://www.forcegauge.net/en/>

## Attachments for Compression Test

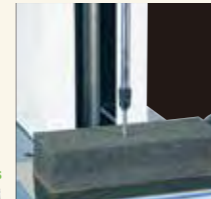
Fixtures for varieties of compression test such as durability tests, bending tests, sticking tests.

### Compression Test for Small Spots PG-2/3/4/5

Ideal for small sample compressions and intrusion tests.



PG-2  
○Representative applications  
Plastic injection components, Switch, LCD panel, Food



The test example of sponge hardness test with PG-2.

Models	PG-2	PG-3	PG-4	PG-5
Capacity(N)	100	100	200	200
External diameter(mm)	Approx. φ2	Approx. φ3	Approx. φ4	Approx. φ5
Weight(g)	Approx.2	Approx.3	Approx.4	Approx.5
Mounting screw			M6	

### Sticking Test Fixture TKS-20N/250N

Ideal for sticking test for thin measuring samples such as film.



TKS-20N  
○Representative applications  
Film, Metal foil, PET bottle, Cloth, Fiber material



Film sticking test with TKS-20N

Models	TKS-20N	TKS-250N
Capacity(N)	20	250
Pin diameter(mm)	Approx. φ1	Approx. φ1
Pin weight(g)	Approx.22.2(Pin+Pin vice)	Approx.1.6
Mounting screw		M6

It is in accordance with JIS Z 1707(1998)

### Bending Test Fixture GA-10N/5000N

Ideal for 3 points bending test for metals and glasses.



GA-10N  
○Representative applications  
Metal board, Plastic board, Carbon, Wire net, Plywood board, Ceramic



The test example of metal material bending test with GA-10N.

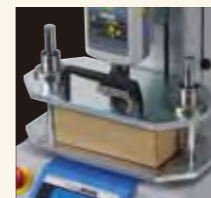
Models	GA-10N	GA-5000N
Capacity(N)	500	5000
Weight(g)	Force gauge side: Approx.100	Force gauge side: Approx.120
Mounting screw	M6	M10

### Durability Test Fixture PR-500N/2500N

Ideal for durability tests for retort pouch, heat sealed packages, box and so on.



PR-2500N  
○Representative applications  
Retort pouch, Packing box, Food pack, Tube container



The test example of cardboard box durability test with PR-2500N.

Models	PR-500N	PR-2500N
Capacity(N)	500	2500
Measurable size(mm)	W194XD120XH105	W200XD140XH105
Weight(g)	Force gauge side: Approx.900	Force gauge side: Approx.3100
Mounting screw	M6	M10

PR-2500N: Partly in accordance with JIS Z 0238(1998)

### Compression Test Fixture A-40/60, S-40/60

Ideal for crushing test. Type A made of aluminum and Type S made of steel. Especially, Type A is suitable for low capacity force gauges.



A-40  
○Representative applications  
Cushioning materials, Cushion, Tablet, Ball, Spring



The test example of ball compression test with S-40.

Models	A-40	A-60	S-40	S-60
Capacity(N)	200	200	500	500
External diameter(mm)	φ40	φ60	φ40	φ60
Weight(g)	Approx.38	Approx.84	Approx.110	Approx.238
Mounting screw			M6	

### Compression Test Fixture UR-8S/8M

Hemisphere compression test fixture made of urethane. It helps touching test with the hardness and the elasticity.



UR-8S  
○Representative applications  
Switch, Electrical component, Touch panel



The switch feeling test with UR-8S.

Models	UR-8S	UR-8M
Capacity(N)	50	50
Weight(g)	Approx.5.4	Approx.5.2
Hardness	ShoreA50	ShoreA40
	Hardness like eraser	Hardness like rubber ball for base ball
Mounting screw		M6

※ Please note the fixture does not react to capacitance touch panels.

### High Capacity Compression Test Fixture[disc type] PC series

Ideal for high capacity compression/ breaking test up to 5000N. The free joint design is closer fitting the samples.



PC series  
○Representative applications  
PET bottle, Ball, Tablet, Plastic



The test example of PET bottle compression strength test with PC-5060.

Models	PC-5040	PC-5060	PC-5100
Capacity(N)	5000	5000	5000
External diameter(mm)	φ40	φ60	φ100
Weight(g)	Approx.160	Approx.330	Approx.820
Mounting screw			M10

### High Capacity Compression Test Fixture[rectangle type] SQ series

Ideal for high capacity compression/ breaking test up to 5000N. The free joint design is closer fitting the samples.



SQ series  
○Representative applications  
Tablet, Plastic, Plastic Package

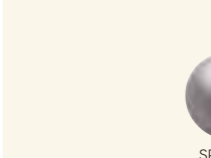


The test example of tablet strength test with SQ-5060.

Models	SQ-5030	SQ-5075	SQ-5150
Capacity(N)	5000	5000	5000
寸法(mm)	30X20	75X50	150X100
Weight(g)	Approx.65	Approx.500	Approx.1560
Mounting screw			M10

### High Capacity Compression Test Fixture[spherical type] SP series

Ideal for high capacity compression/ breaking test up to 5000N.



SP series  
○Representative applications  
Cushioning materials

Models	SP-5010	SP-5020	SP-5030
Capacity(N)	5000	5000	5000
External diameter(mm)	φ10	φ20	φ30
Weight(g)	Approx.26	Approx.55	Approx.135
Mounting screw			M10

# Attachments for Tensile Test

The grips are used for varieties of tensile test such as tearing tests, breaking tension test.

## Film Grip FC series

Ideal grips for gripping thin samples like film. The single side of grip of FC-21U/41U/21UQ is attached urethane. The grips can tightly hold the samples without the breakings. FC-21UQ is lever type. It makes easy to grip samples.

○Representative applications  
 Film Heat sealing Adhesive tape Magnetic card Substrate

Models	FC-21	FC-20	FC-40	FC-41U	FC-21U	FC-21UQ
Capacity(N)	250	500	500	250	250	250
Features	Light type	up to 500N	Wide type up to 500N	One side urethane	Wide grip one side urethane	One side urethane with a lever
Aperture width(mm)	Approx.20	Approx.20	Approx.40	Approx.20	Approx.40	Approx.20
Aperture opening width(mm)	Max.2	Max.2	Max.2	Max.2	Max.2	Max.0.2
Weight(g)	Approx.25	Approx.73	Approx.125	Approx.40	Approx.70	Approx.50
Mounting screw				M6		

The test example of 180 degree peeling test of adhesive tapes with FC-21

## Wedge Grip KC series

Ideal for gripping wire, cable and so on. The gripping is as easy as promoting measuring efficiency. The holding mechanism is automatically becoming strong when pulling the sample. (It is not suitable for tempered samples.)

○Representative applications  
 Wire Cable Optical fiber cable Plastic Piece of metal

Models	KC-100	KC-1001	KC-5000
Capacity(N)	500	1000	5000
Aperture opening width(mm)	Max.10	Max.2	Max.5
Weight(g)	Approx.330	Approx.95	Approx.565
Mounting screw	M6	M6	M10

The test example of cable tension strength test with KC-1001.

## Wire Wrapping Grip GC-30,WC-2000

Wind and hold line samples such as string and wire. The applied force on the sample is spread due to the winding hold. It helps to prevent sample from breaking.

○Representative applications  
 Textile Wire Fur

Models	GC-30	WC-2000
Capacity(N)	500	2000
Diameter of bolt(mm)	M10	M16
Measurable line diameter(mm)	Max. φ 1	Max. φ 2
Weight(g)	Approx.136	Approx.900
Mounting screw	M6	M10

The test example of fiber tension strength test with GC-30,WC-2000

## Knurled Cam Grip GP-15/30

Ideal for soft samples like resin becoming thin when it stretches. It reduces the sample breaking with the knurled cam style.

○Representative applications  
 Rubber Cable Silicone Elastomer

Models	GP-15	GP-30
Capacity(N)	250	1000
Aperture opening width(mm)	Max.4.5	Max.10
Weight(g)	Approx.70	—
Mounting screw	M6	—

The test example of rubber tube tension strength test with GP-15

## Wire Clamp Grip CW-500N

The wedge type grip fixture. Easily but tightly hold wire/cable.

○Representative applications  
 Cable Wire

Models	CW-500N
Capacity(N)	500
Aperture opening width(mm)	Max.5
Weight(g)	Approx.220
Mounting screw	M6

The test example of cable tension strength test with CW-500N.

## Pantograph Grip PGC series

It is easy to hold sample like a clothespin. The holding strength becomes strong when pulling the sample. It tightly grips changeable shape samples such as rubber or resin.

○Representative applications  
 Film Rubber Wire Cable Nonwoven fabric Plastic

Models	PGC-0505	PGC-0510	PGC-2530
Capacity(N)	500	500	2500
Aperture opening width(mm)	Max.20	Max.15	Max.15
Weight(g)	Approx.170	Approx.110	Approx.750
Mounting screw	—	—	M10

The test example of rubber tension strength test with PGC-0510.

※S-1 or SR-1s required when mounting PGC-0510 and 0505 on a force gauge.  
 ※PGC-AD6 is required when mounting PGC-0510 and 0505 on a test stand.

## Hook for Corrugated Cardboard Adhesion Test DF-60

Special measuring attachment for corrugated card board opening strength.

○Representative applications  
 Corrugated cardboard

Models	DF-60
Capacity(N)	250
Width(mm)	Approx.60
Weight(g)	Approx.145
Mounting screw	M6

The test example of corrugated card board opening strength test with DF-60

## Grip and Fixture for Tensile Strength Test of Sewed Buttons BC-15/PGC-BC

Ideal for measurement of cloth button sewed strength. It is possible to grip a button up to 15 mm diameter. The measuring efficiency is improved with the simple sample mounting.

○Representative applications  
 Cloth button

Models	PGC-BC	BC-15
Capacity(N)	300	300
Aperture opening width(mm)	Max.20	Max. φ 15
Weight(g)	Approx.125	Max.3.5

The test example of cloth button sewed strength test with PGC-BC

## Small Grip SC-3/8

Ideal for gripping fine samples or measuring at narrow spaces.

○Representative applications  
 Electrical lead Copper foil

Models	SC-3	SC-8
Capacity(N)	100	150
Aperture opening width(mm)	Max.1	Max.1
Weight(g)	Approx.20	Approx.21
Mounting screw	M6	M6

The test example of copper foil peeling test with SC-8.

## Fine Point Chuck FP-50/51

Ideal for fine line samples or measuring at narrow spaces.

○Representative applications  
 Textile Fur

Models	FP-50	FP-51
Capacity(N)	100	50
Aperture opening width(mm)	Max.0.5	Max.0.5
Weight(g)	Approx.19	Approx.8
Mounting screw	M6	M6

The test example of metal line tension strength test with FP-51.

## Cam Grip GR-30/2000

Ideal for tension measurement for thin, small and rectangle shape samples. Easy setting steps, put sample and pull the lever. It promotes measuring efficiency.

○Representative applications  
 Rubber Tape Film

Models	GR-30	GR-2000
Capacity(N)	500	2000
Aperture opening width(mm)	Max.2	Max.4
Measurable width(mm)	Max.30	Max.50
Weight(g)	Approx.180	Approx.870
Mounting screw	M6	M10

The test example of metal line tension strength test with GR-30.

## Tape Grip GC-60/100

Ideal for elastic or changeable shape samples such as rubber, film and tape. The holding strength is hardy by winding sample around the grip. It holds the sample properly.

○Representative applications  
 Rubber Film

Models	GC-60	GC-100
Measurable width(N)	500	500
Aperture opening width(mm)	Max.30	Max.50
Aperture opening width(mm)		Max.2
Weight(g)	Approx.158	Approx.300
Mounting screw	M6	M10

The test example of rubber tape tension strength test with GC-60.

# Attachments for Compression and Tension Test

Convertible type attachments for compression and tension test

## Pin Grip CP-150N

Ideal for gripping thin wire shape sample (cylindrical shape sample). Suitable for compression and tension test at a narrow space or low capacity measurements.

○Representative applications  
 Wire Optical fiber

Models	CP-150N
Capacity(N)	150
Aperture opening width(mm)	Approx. φ 0~3.2
Weight(g)	Approx.22
Mounting screw	M6

The test example of wire tension strength test with CP-150N

## Jacob's Chuck GC-5/15

It is suitable for gripping a round stick shape sample. The chuck shape prevents the sample from slipping.

○Representative applications  
 Plastic

Models	GC-5	GC-15
Capacity(N)	500	1000
Aperture opening width(mm)	Approx. φ 0.5~6.5	Approx. φ 2.0~13
Weight(g)	Approx.235	Approx.500
Mounting screw	M6	M10

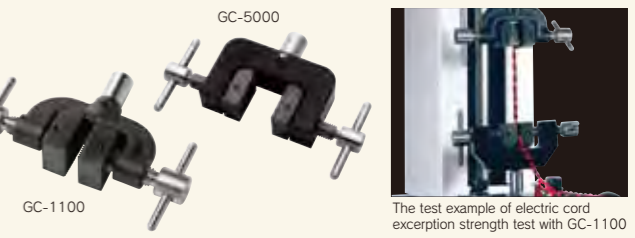
The test example of resin molding tension exception strength test with GC-5

## Flat Chuck GC-1100/1200/5000

The large opening width chuck fixtures. They can grip varieties of thickness. Thin things and thick things are able to be gripped.

○Representative applications  
 Connector Cable Fastener Booklet Plastic Piece of metal

Models	GC-1100	GC-1200	GC-5000
Capacity(N)	1000	1000	5000
Aperture opening width(mm)	Max.10	Max.20	Max.30
Weight(g)	Approx.160	Approx.170	Approx.1400
Mounting screw	M6	M6	M10



The test example of electric cord exception strength test with GC-1100

## Attachments for Wire Harness Test

It can be used as a simple harness tester to combine a force gauge, a test stand and attachments for wire harnesses. The combinations are available for various size harnesses.

~500N

### Included Attachments in A Manual Wire Clamp Pull Tester[LH-500N(P42)]

#### Terminal clamp jig

Speedy sample setting is possible by hooking a crimp terminal.



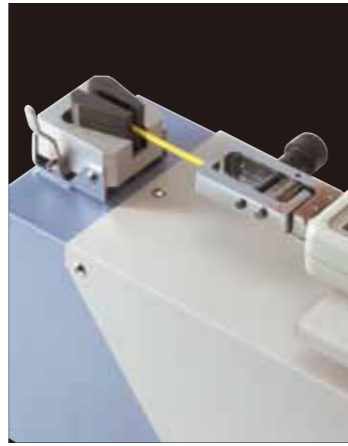
Models	CH-500N
Capacity(N)	500
Aperture opening width(mm)	Max.6
Weight(g)	Approx.210
Mounting screw	M6

#### Wire clamp jig

The wedge type clamp tightly grips wire and cables by only pulling the lever.



Models	CW-500N
Capacity(N)	500
Aperture opening width(mm)	Max.5
Weight(g)	Approx.220
Mounting screw	M6



~1000N

### Attachments for Vertical Test Stands

#### Rotary wire terminal jig

It is approved for sample diameters from 1mm to 8mm.



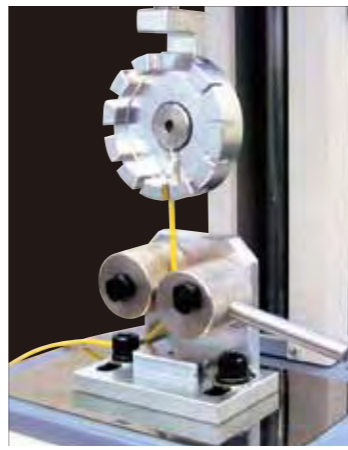
Models	FW-12
Capacity(N)	1000
Measurable diameter(mm)	φ 1~8
Weight(g)	Approx.380
Mounting screw	M6

#### Wire clamp jig

Knurled cam grip. It prevents the wire breaking.



Models	GP-30
Capacity(N)	1000
Aperture opening width(mm)	Max.10
Weight(g)	Approx.880



~5000N

### Attachments for High Capacity Measurements

#### Wire terminal jig

It is approved for terminal hole inside diameters from φ 4 to φ 12.



Models	CH-5000N
Capacity(N)	5000N
Measurable diameter(mm)	φ 4~12(Internal diameter of the terminal hole)
Weight(g)	Approx.315
Mounting screw	M10

#### Wire clamp jig

The reduced design for wire coating breaking



Models	CW-5000N
Capacity(N)	5000
Measurable diameter(mm)	Max. φ 30(Cable diameter)



When using CH-5000N and CW-5000N together, the measurement is partly in accordance with JIS C 2805 (2010)

## Attachments for Peeling Test

Peeling strength tests (adhesive strength tests) for sticky tapes and coating surfaces.

### 45 Degree Peel Test Fixture P45-50N

Ideal for peeling test of cup container film covers. It keeps the peeling degree at 45 degree which is almost same as opening a cup container.

Representative applications

Film for cup container



The test example of cup container cover peeling strength test with P45-50N.

Models	P45-50N
Capacity(N)	50
Measurable size(mm)	Height: Approx. 10~100 Diameter: Approx. 20~140
Chuck opening width(mm)	Max.2

It is partly in accordance with JIS S 002(2001).

### 180 Degree Peel Test Fixture P180-200N

Ideal for 180 degree peeling test for adhesive tape and so on.

Representative applications

Adhesive tape



Adhesive tape peeling strength test with P180-200N.

Models	P180-200N
Measurable force(N)	0.5~200
Measurable size(mm)	Length: Max.150 Width: Max.40

It is partly in accordance with JIS Z 0237(2009).

### Coating Surface Peeling Test Attachment TH-1000N/5000N

It is ideal for peeling test of coating surfaces. It is including 5 peeling heads.

Representative applications

Painted surface

Models	TH-1000N	TH-5000N
Capacity(N)	1000	5000
Upper fixture Adhesive area shape	Diameter20mm	Diameter20mm
(Force gauge side) Weight(g)	Approx.90	Approx.195
Mounting screw	M6	M10
Lower fixture The center hole diameter(mm)	Diameter30	Diameter30

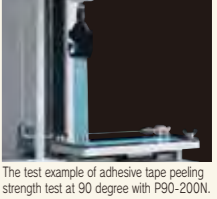
It is partly in accordance with JIS Z 5600-5-7(1999)

### 90 Degree Peel Test Fixture P90-200N/200N-EZ

Ideal for 90 degree peeling test for adhesive tape and so on. P90-200N keeps the peeling degree at 90 degree. The moderated price model is P90-200N-EZ.

Representative applications

Adhesive tape, Copper foil, Magnetic card, Poutlice



The test example of adhesive tape peeling strength test at 90 degree with P90-200N.

Models	P90-200N	P90-200N-EZ
Measurable force(N)	~200	0.4~200
Measurable size(mm)	Length: Max.155 Width: Max.80	

P90-200N is partly in accordance with JIS Z 0237(2009) and JIS C 5016(1994)

### Rubber Roller for Peel Test APR-97

It helps more accurate peeling test by applying stable pressure to stick samples.



It is partly in accordance with JIS Z 0237(2009)

Models	APR-97
The roller weight(g)	Approx.2000
The sample contacting part material	Rubber(Hardness A80)

## Attachments for Coefficient of Friction

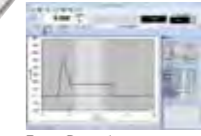
The included software automatically calculates Coefficient of Kinetic friction and coefficient of Static friction and draws graphs.

Representative applications

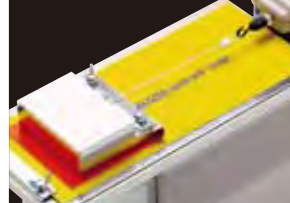
Paper, Film, Panel

Models	COF2-2N	COF2-10N	COF-2N-V	COF-10N-V
Compatible test stand	Horizontal type MH2		Vertical type ※1	
Weight of the weight part(g)	200	1000	200	1000
Measurable size(mm)	Thickness: Max.1.5 Length: Max.150			

※1 Some vertical test stand can be not attached the fixture. Please contact us if you need the details. COF-2N,COF-2N-V is partly in accordance with JIS K 7125(1999).



Force Recorder Standard COF Ver.



The test example of paper coefficient of friction test with COF2-10N

## Fixture for Shear Test

### Fixture Set of Shear Test LF

The fixture set for shear test of QFP lead and chip components. The X-Y stage can set the test position precisely.

Representative applications

QFP lead, Chip component

Models	LF
The set content	For QFP lead strength test: ①Hook attachment / QFP-45-1 ②45 degree table/QFP45-2 For soldered chip shearing test: ③90 degree chip shear attachment/TIP90-1 ④90 degree table/TIP90-2 For QFP lead strength test and soldering shearing test: ⑤XY table/QFP-1
Capacity(N)	100
Table dimensions	200X150
Weight(g)	①QFP45-1: Approx.60g ③TIP90-1: Approx.50g

It is in accordance with JIS Z 3198-6(2003), JIS Z 3198-7(2003)



The test example of chip components solder joints shear strength test

### Chip Peeling Fixture GT-10/20

Ideal for peeling (shearing) test for soldered or adhesive electric components.

Representative applications

Electrical component, Flange cap

Models	GT-10	GT-20
Applying force	for Tension	for Compression
Capacity(N)	500	
Weight(g)	Approx.34	
Mounting screw	M6	



The test example of chip peeling strength test with GT-10

## Other Attachments

### Vice Grip **GT-30/2000N**

It is possible to fix a sample by mounting on a vertical type test stand.



Models	GT-30	GT-2000N
Capacity(N)	1000	2000
Aperture opening width(mm)	Max.38	Max.64
Mounting	to Test stand table	

### XY Table **XY-500N**

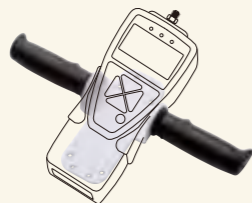
It makes a sample put at the center with precise adjustment for X direction and Y direction.



Models	XY-500N
Capacity(N)	Tension:500 Compression:1000
X-Y movement amount	±30
Mounting	to Test stand table

### Optional Handle for Force Gauge **FOH-1**

It can mount on a force gauge with screws. It enables to apply stable force by mounting on a force gauge.



Models	FOH-1
Compatible model	1000N or less range of ZTA/ZTS/DS2/PSS/PS/PSM/FS/FB series
Weight(g)	Approx.500

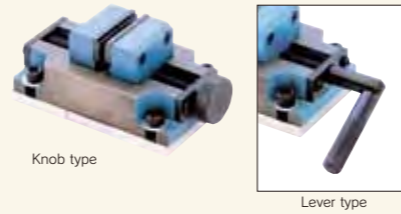
### Conversion Adapter **CA series**

The screw diameter of test shafts mounting attachments is different by force gauges. The conversion adapter enables to mount various attachments.

Models	Screw diameter	Capacity	Purpose
CA-F6T4	M6(Female Screw)→M4	100N	When mounting a M4 screw attachment of FRT to a M6 screw thread of a force gauge.
CA-F6T10	M6(Female Screw)→M10	500N	When mounting a M10 screw attachment to a M6 screw thread of a force gauge.
CA-F10T6	M10(Female Screw)→M6	500N	When mounting a M6 screw attachment to a M10 screw thread of a force gauge.
CA-F4T6	M4(Female Screw)→M6	100N	When mounting a M6 screw attachment to FRT series.
CA-F5T4	M5(Female Screw)→M4	100N	When mounting a M4 screw attachment to a M5 screw thread of Load cell LMU series.
CA-F5T6	M5(Female Screw)→M6	500N	When mounting a M6 screw attachment of FRT series to a M5 screw thread of a load cell LMU series.
CA-8T4	M8→M4	100N	When mounting a M4 screw attachment of FRT series to M8 screw thread of a load cell LU series. ※It does not mount to a T nut.
CA-8T6	M8→M6	500N	When mounting a T nut / M8 screw thread of load cell LU series to M6 screw attachment.
CA-8T10	M8→M10	2000N	When mounting a T nut / M8 screw thread of load cell LU series to M10 attachment.

### Self-centering Vice Grip **GTW-50R/50L**

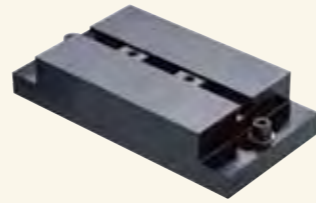
Self-centering vice when gripping a sample. High operability knob type and strong holding lever type.



Models	GTW-50R	GTW-50L
type	Knob type	Lever type
Capacity(N)	500	1000
Aperture opening width(mm)	Max.68	
Mounting	to Test stand table	

### T-Slot Table **TS-5000N**

The attachment for holding fixture. It can easily be attached and removed fixtures.



Models	TS-5000N
Capacity(N)	5000
Diameter of T-nut hole	M8
The space between T-nuts	Max.125
Movement amount(mm)	X: ±64 Y: ±15
Mounting	to Test stand table

### Attachment Adapter **JF/EJ series**

The mounting adapter for grip type attachment for tension test. They help smooth sample fixation and precise adjustments of gripping positions and angle.



Models	JF6-50N	EJ6-1000N	EJ10-5000N
Capacity(N)	50	1000	5000
Mounting screw for a force gauge	—	M6	M10
Mounting screw for a chuck fixture	M6	M6	M10
Weight(g)	Approx.8	Approx.29	Approx.140

※Please contact us the detail that which attachment is available.  
※A-1/S-1/SR-1 is required for attaching JF6-50N to mount on a force gauge.



## Eye Bolt and Eye Nut for Load Cells

Hoisting attachment for tension test by mounting on load cells.

### for Load Cell DPU series

#### Eye Bolt **EB series**

It makes a sample or a load cell hang by catching a hook, chain, rope and so on.

Models	EB-500N-M6	EB-2000N	EB-20kN
Compatible load cell	DPU-5N~500N	DPU-1000N/2000N	DPU-10kN/20kN
Capacity	500N	2000N	20kN
Weight(g)	Approx.18	Approx.137	Approx.1100
How to mount	M6 Male Screw	M12 Male Screw	M18 Male Screw



### for Load Cell LU series

#### Eye Bolt **EB-500N-M8**

It makes a sample or a load cell hang by catching a hook, chain, rope and so on.

Models	EB-500N-M8
Compatible load cell	LU series
Capacity(N)	500
Weight(g)	Approx.39
Mounting screw	M8 Male Screw



#### Rod End[for shafts] **RE-20kN**

Use by getting through a shaft.

Models	RE-20kN
Compatible load cell	DPU-10kN, DPU-20kN
Capacity (kN)	20
Weight (g)	Approx.300
Mounting screw	M18 Male Screw



### for Load Cell LMU series

#### Eye Nut **EN-500N**

It makes a sample or a load cell hang by catching a hook, chain, rope and so on.

Models	EN-500N
Compatible load cell	LMU series
Capacity (N)	500
Weight (g)	Approx.11
Mounting screw	M5 Female Screw



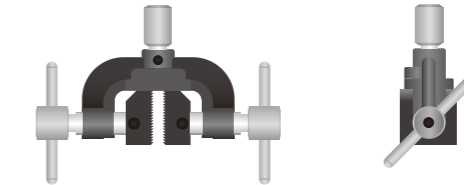
## Custom Order Examples

### 1. Size Change of Regular Size Attachment

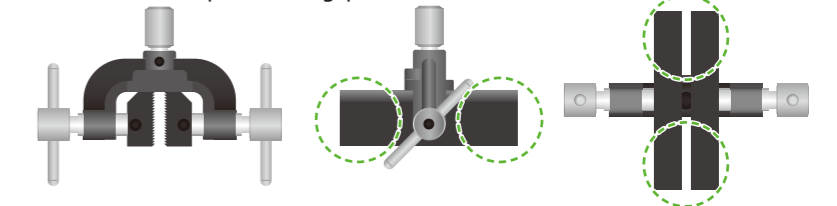
#### [Example. GC-1200 series Length change of grip part]

It is possible to change the sample grip width and length.

[Standard]



Custom made example of wider grip of GC series



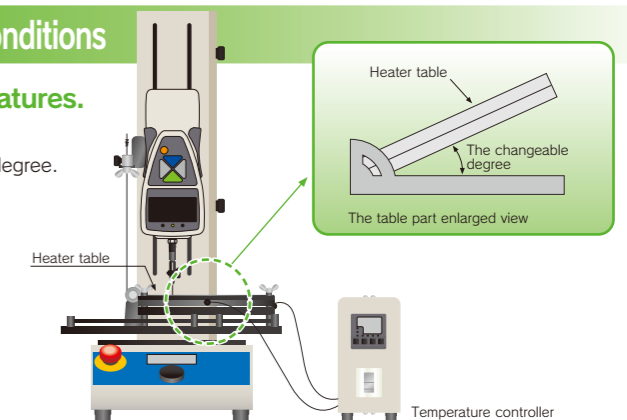
The size change is available for compression attachment PR series, Film grip FC series and others. Please contact us if need the details.

### 2. Specification Change of A Variety of Measurement Conditions

#### ● Condition change for the measuring angles and temperatures.

##### [Example: Specification change of peeling test fixture]

The peeling degree can be changed from the fixed one degree to changeable degree. Besides, it is possible to heat the test stand table by combing a heater.



#### ● Measurements in accordance with standards such as Japanese Industrial Standard, ISO or ASTM.

The testers which is approved for measuring conditions of standards ( measuring speed / fixture design and so on) can be made.

### 3. Completely Original Product

#### [Example: Cork excerpction measuring unit]

We accept to make the special use fixture for your sample. Improve the measuring repeatability and efficiency.

