

## Force gauge attachment

IMADA CO., LTD. 1/2

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## Wire terminal grip / CH-500N

Suitable for wire terminal clamp



### [Applications]

- The cam grips are installed on the Imada's force gauge for tension test of various test pieces.

### [Feature]

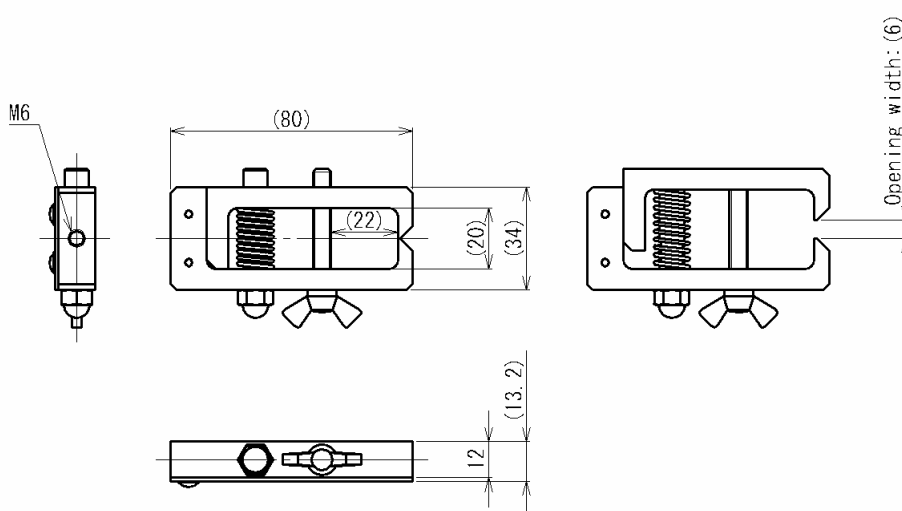
- Easy operation by hitching wire harness terminal
- It is possible to hold up to 6mm diameter cable

2004/3/31

[Specifications]

Model	CH-500N
Capacity	500N
Opening width	6mm
Dimension	See below dimension
Weight	Approx.210g

[Dimension]



[Note]

- Particular materials and shape can not be used.
- When you clamp wire for opposite direction, we recommend our CW-500N-M6.
- All information is subject to change without prior notice.

2004/3/31

## Wedge grips / CW-500N

Easy to clamp by wedge grip



### [Application]

- For various material of tensile strength test such as wire and cable

### [Features]

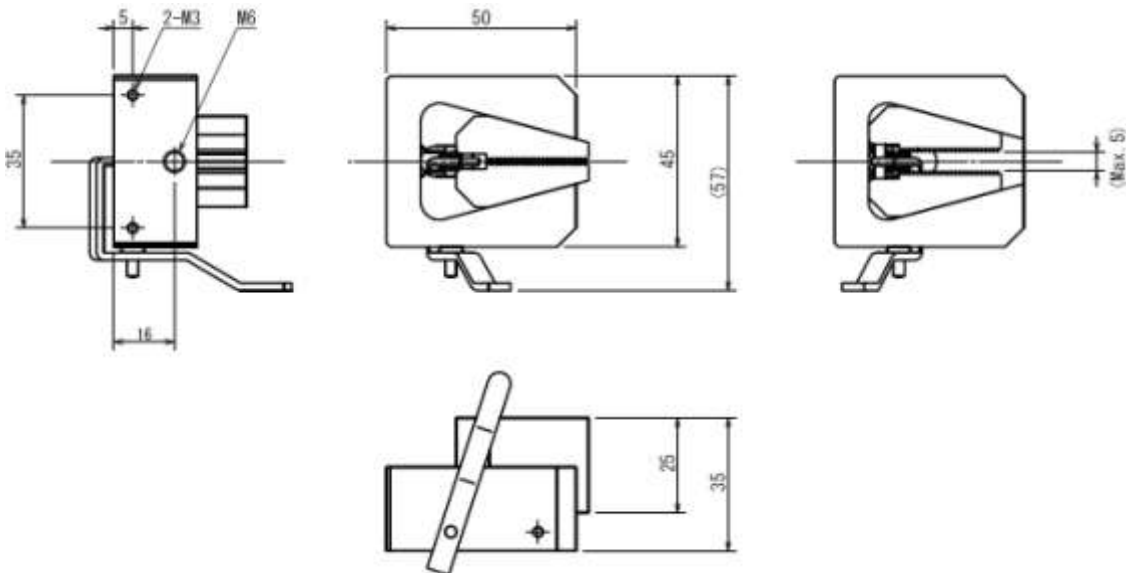
- Easy to clamp by one-touch operation
- Possible to clamp tightly by wedge grip function

2004/3/31

[Specifications]

Model	CW-500N
Capacity	500N
Clamp principle	Wedge grips
Opening width	5mm
Dimension	See below dimension
Weight	Approx.220g

[Dimension]



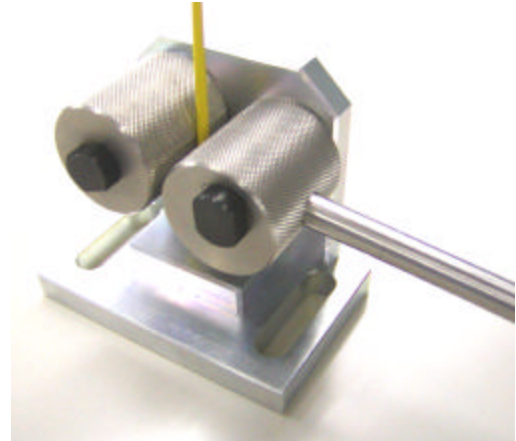
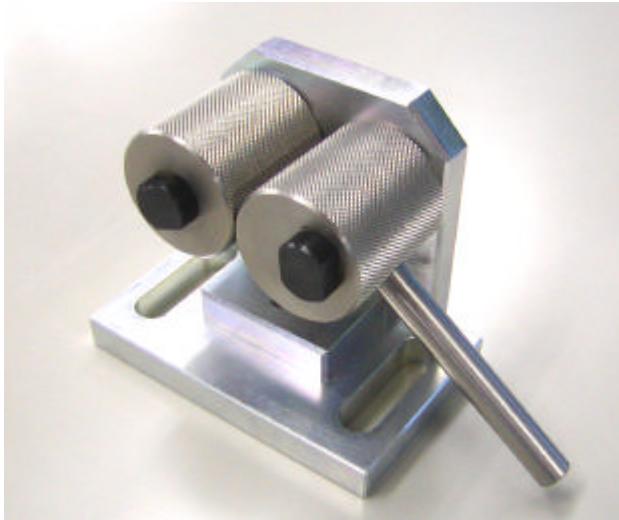
[Note]

- Particular materials and shape can not be used.
- When you clamp wire for opposite direction, we recommend our CW-500N-M6.
- All information is subject to change without prior notice.

2004/3/31

## Knurled Cam Grip / GP-30

Suitable for pulling test of plastic tubes, thick silicon rubber, urethanes, electric cables, and etc.

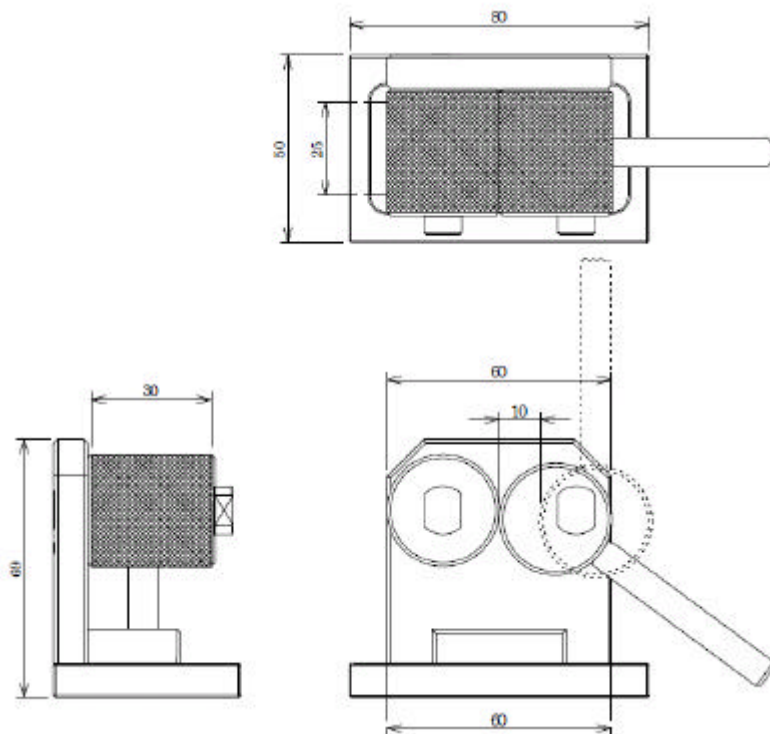


Example of use

### [Features]

- Suitable for soft samples that become thin when pulled.
- Tear of the test sample is reduced to a minimum.

### [Dimensions]



### [Specifications]

	Capacity	Installation	Weight	Opening width	Jaw face width
GP-30	1000N	2 slots for M8 bolt, pitch 60	Approx. 880g	10mm	30mm

### [Note]

- Some samples may not correctly be gripped depending on material and shape.
- Information within this document is subject to change without notice.

November, 2006

## Fixtures for wire harness crimp pull test CW/CH-5000N

CW/CH-5000N is suitable for up to 5000N wire crimp pull test.  
It is compact but fixable firmly.

### Wire crimp terminal grip CH-5000N

How to use :

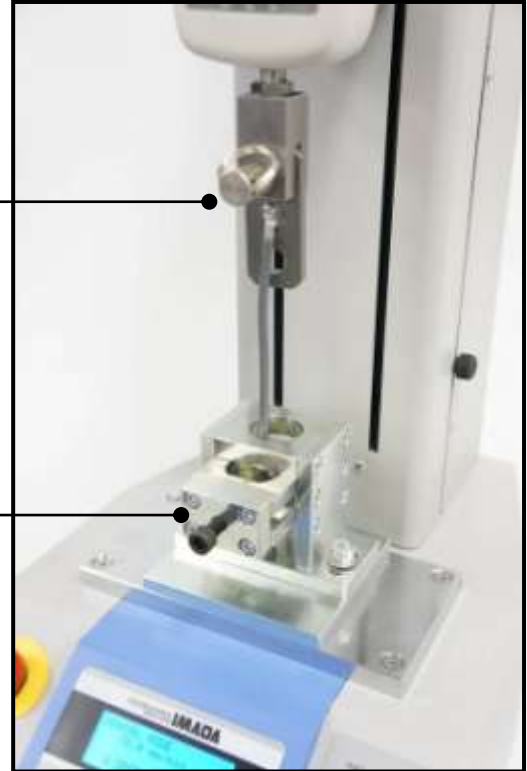
Screw wire crimp terminal by a bolt and nut on a fix plate and hook it.



### Wire fixture table CW-5000N

How to use :

Insert cable or wire and screw the bolt on table.








### Points of simple and efficient measurement

Reduce breaking and slipping of cover tube	For wide diameter of wire crimp terminal
<p>Prevent these conditions</p>	
<p>Its shearing force mechanism helps to fix a cable firmly but certainly</p>	<p>Fixable from <math>\phi 6</math> to <math>\phi 12</math>mm inner diameter of wire crimp terminal</p>

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[Recommended testing system]・・・Ex. Measurement up to 2000N of wire crimp pull test

Table	Upper fixture	Force gauge	Test stand	Cable
				
CW-5000N	CH-5000N	ZPH-2000N	MX2-2500N	CB-704

\* With the testing system unit above, it prevents the force gauge from over load break down by connecting the gauge and the test stand. (We cannot assure the perfect prevention against sensor break-down.)

\* Please select the appropriate range of force gauge and test stand depending on applications.



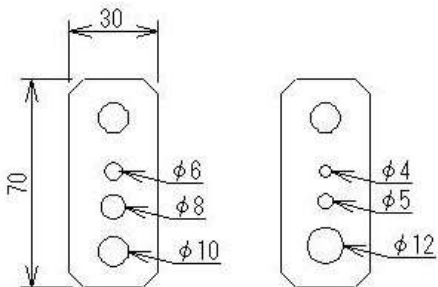
[Specifications]

Model	CH-5000N	CW-5000N
Capacity *1	5000N	
Sample diameter	φ6~φ12mm (Inner diameter of terminal)	φ30mm (Outer cable diameter)
Weight	Approx. 315g	Approx. 2415g
Dimension	See the next page	
Available force gauge	ZPH/Z2H, ZTA/ZTS-2500N, 5000N	
Available test stand	MX2-2500N, MX-5000N	



[Related products]

We propose various tensile strength test of crimped terminal to fit your measurement needs.

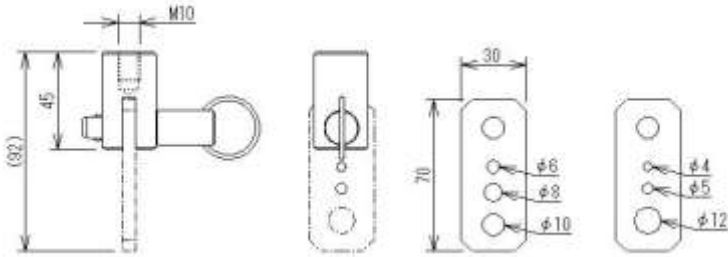
Lever operation wire harness tester LH-500N	Easy operation fixtures FW-12/GP-30	Spare fix plate CH5000-D10/CH5000-D12
Easy use and economical model by lever operation and possible to measure up to 500N	Rotary fixture up to 1000N Makes operation easy(FW-12)	Spare parts for consumable, also for speedy preparation of next sample
<p>Wire harness test by LH-500N</p>  <p>*Force gauge is excluded</p>	<p>Wire harness test by FW-12/GP-30</p> 	 <p>CH5000-D10      CH5000-D20</p>



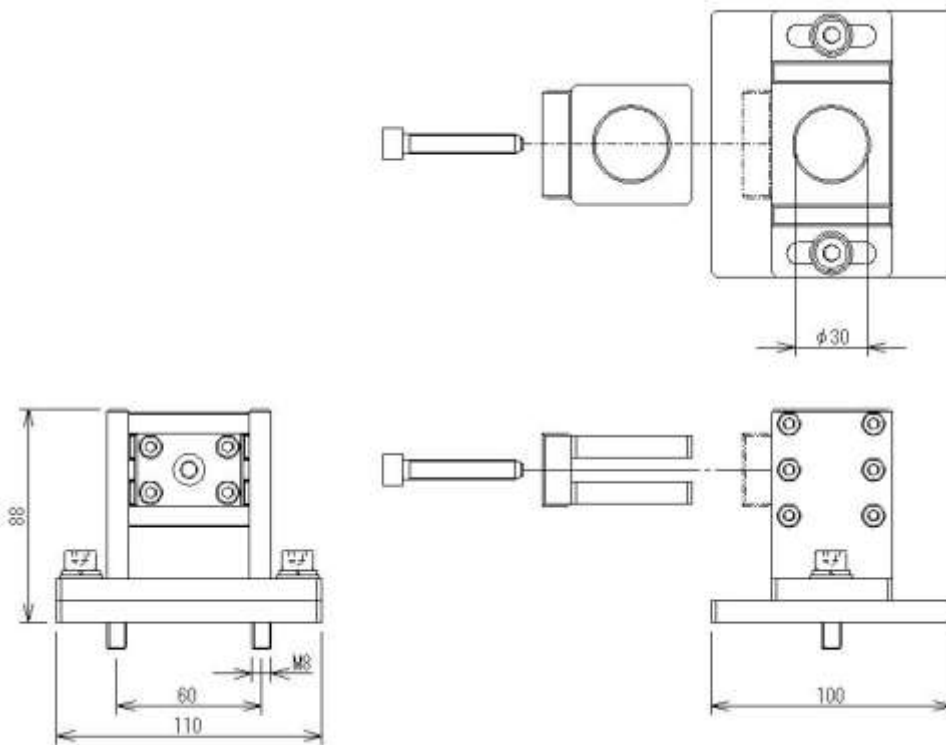
IMADA CO., LTD.  
Option attachment CW/CH-5000N

[Dimensions]

**CH-5000N**



**CW-5000N**



[Caution]

- The contents may be changed without previous notice.
- All of products are designed for measurement purpose only.
- Force gauges and stands are not included but necessary to carry out tests.
- Some sample cannot be measured depending on their materials or shapes.
- Do not copy and use this content without authority.

Please feel free to contact us for measurement solutions, distributor's information in your country, and so on.

TEL: +81-(0)532-33-3288  
Email: info@forcegauge.net



## FW-12 Rotary Wire Terminal Fixture

FW-12 is ideal for the strength test of crimped terminal. This fixture is an integral component of testing system, so please use it with IMADA force gauges, test stands, and

Wire harness test with FW-12



FW-12

It holds a wide range of wire.  
It is ideal for the tensile strength test of crimped terminal.



\*Please refer to P2 for more detail of testing system.






### Designed to improve work efficacy

Able to measure different sizes of cables/wires	Easy to set samples
	
<p>It takes advantages in cost and work efficacy since it can test different sizes of samples from 1mm to 8 mm.</p>	<p>Just hang your sample to set up. It is also easy to replace the different sizes of samples since it is rotational.</p>

IMADA CO., LTD.  
Option attachment FW-12



[Recommended testing system]

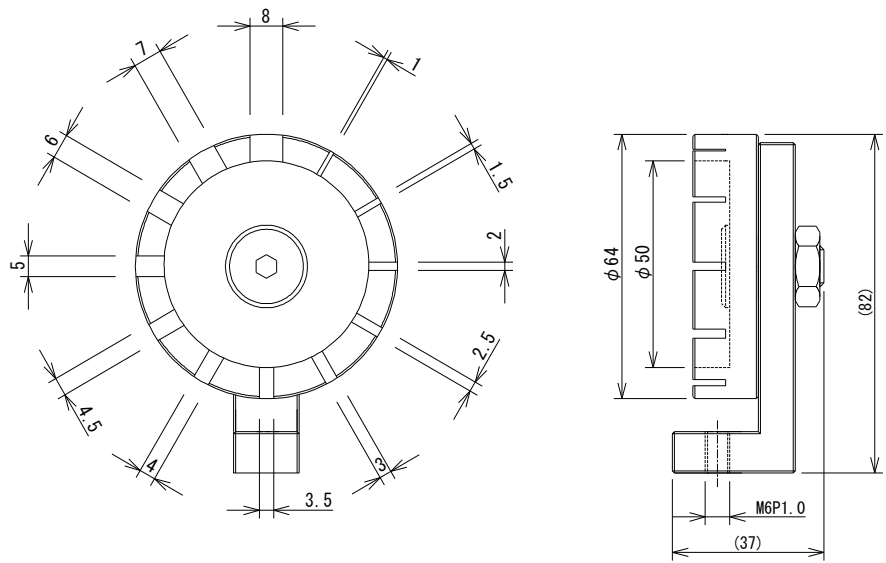
Attachment	Attachment	Force gauge	Test stand	Connection cable
				
FW-12	GP-30	ZP(Z2) series	MX2-1000N/2500N	CB-704

\* With the testing system unit above, it stops operation before force over capacity is added to prevent sensor break-down. (We cannot assure the perfect prevention against sensor break-down.)  
\* Please select the appropriate range of force gauge and test stand.

[Specifications]

Model	FW-12
Capacity	1000N
The number of slits	12
Weight	380g
Screw to mount	M6

[Dimensions]






IMADA CO., LTD.  
Option attachment FW-12



[Related products]

We offer various tensile strength test of crimped terminal to fit your measurement needs.

Lever model harness tester LH-500N	Attachment for high load harness test CH/CW-5000N	Small harness tester Made-to-order
Available in capacity up to 500N Low cost / High working efficacy	Available in capacity up to 5000N	Available in capacity up to 500N Special for small wire harness
Harness test example with LH-500N 	Harness test example with made-to-order attachments 	Harness test example with made-to-order tester 

\*Force gauges, test stands, optional attachments are sold separately.

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