

## Double Arm Hook SHF Series

- Designed to hook the sample by 2 claws
- Enable to perform tension test without gripping the sample tightly.
- Ideal for tension test of cap, clamp terminal, and connector.



SHF-100N



SHF-100N-L






SHF-2500N



SHF-100N Testing Image



SHF-2500N Testing Image

How to install test samples to SHF-100N/SHF-100N-L		
Put the sample between the 2 arms.	Push the 2 arms at the same time to ensure the sample is at the center position.	Fix the sample by turning the knobs.
		

Specifications			
Model	SHF-100N	SHF-100N-L	SHF-2500N
Opening width (between the claws)	31mm		17mm
Throat depth	31mm	56mm	40mm
Jaw width	12mm		19mm
Capacity	100N		2500N
Size	See [Dimension]		
Weight *1	Approx. 100g	Approx. 110g	Approx. 720g
Mounting screw	M6		M10
Available options	-R (V-Shaped claw) *2, *3		-

\*1 Weight of the attachment is also applied as a load on the force gauge. Consider it when selecting the capacity of a force gauge.

\*2 This option is to change the attached claws to V-shaped claw.

Please refer to [Standard Claws and V-shaped Claws (-R)] below for details.

\*3 Add the option code after the model name to complete the model with options.

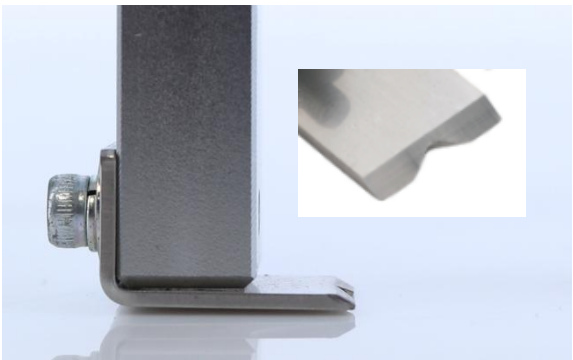
e.g., Adding -R option to SHF-100N: SHF-100N-R.

\* To avoid damaging the sample, do not over-tighten the arms.

\* According to the structure and the position of the sample, the center position of testing might shift during the measurement.



Use the universal joint for more precise measurement. (Separately sold)

\* It may not catch the extremely soft sample or sample with extremely narrow catching part.



Standard Claws and V-shaped Claws (-R) *1	
 <p>V-shaped Claws</p>	<ul style="list-style-type: none"> <li>• -R option for SHF-100N/SHF-100N-L replaces the included claws with V-shaped claws.</li> <li>• V-shaped claws, designed to hold cylindrical samples at the center, allow more accurate measurements.</li> <li>• The blade orientation differs between the standard claws and the V-shaped claws. The V-shaped claws feature flat bottom shape, making it easier to fit into narrower gaps when measuring samples embedded on a wide flat surface. Conversely, when insertion depth is limited, using the standard claws ensure a more secure hook. For further details, please refer to the [Dimension] on page 5.</li> </ul>

\*1 Standard Claws and V-shaped Claws are also available for replacement. Please refer to [Replaceable Claws] on page 3.

[Replaceable Claws] The parts below are also available for replacement.

Standard claws <b>SHF-H-01</b>	V-shaped claws <b>SHF-H-02</b>
	

\* Claws are sold in set of 2.

Examples of Product Configuration SHF series	
<p><b>Example 1</b>                      <b>Code: 1S2007A</b> For tension testing up to 100N using a motorized test stand. Enable to uniform test speed and control operation by force value.</p> <p>Digital Force Gauge: ZTS-200N Motorized Test Stand: MX2-500N Optional Attachment: UJ6-1000N Optional Attachment: SHF-100N Optional Attachment: GT-30 Optional Cable: CB-528 Optional Software: Force Recorder Standard</p>	  <p>SHF-100N Example 1 1S2007A Image</p>   <p>SHF-100N Example 1 1S2011A Image</p>
<p><b>Example 2</b>                      <b>Code: 1S2007B</b> For tension testing up to 100N using a manual test stand.</p> <p>Digital Force Gauge: DST-200N Manual Test Stand: SVL-1000N Optional Attachment: SHF-100N Optional Attachment: GT-30 (Vise Grip)</p>	
<p><b>Example 3</b>                      <b>Code: 1S2007C</b> For simple tension testing by hand up to 100N</p> <p>Digital Force Gauge: DST-200N Optional Attachment: SHF-100N</p>	
<p><b>Example 4</b>                      <b>Code: 1S2011A</b> For tension testing up to 2500N using a motorized test stand. Enable to uniform test speed and control operation by force value. Ideal for tension test of clamp terminal.</p> <p>Digital Force Gauge: ZTS-2500N Motorized Test Stand: MX2-2500N-L Optional Attachment: SHF-2500N Optional Attachment: CW-5000N Optional Cable: CB-528 Optional Software: Force Recorder Next Standard</p>	

\* Refer to specifications of each product for details.

\* Product configuration varies depending on the shape and characteristic of the sample, and measurement conditions.







\* The recommended capacity of force gauge varies depending on the expected force to be loaded.

Mountable Force Gauge		
DST/DSV series	ZTS/ZTA series	FB/PS/PSM series
		

\* Refer to specifications of the individual product for details.

\* Select suitable force gauge to correspond with the mounting screws of attachment.

#### [Related Products]

Vise Grip GT-30/2000N	Self-centering Vise Grip GTW-2500N	Chuck for Clamping Cap CCJ series
		
It is used to grip and fix samples, being mounted on a vertical test stand. It is available in capacity from 250N up to 2000N.	Self-centering vise grip for the vertical test stand. It enables to fix the samples at the center.	It is designed for gripping round-shaped samples tightly by the 4 pins.
Flip Cap Opening Force Test Hook HFC-50N	Rotary Wire Terminal Fixture FW-12/PW-4	Universal Joint UJ6-1000N/UJ10-5000N
		
It is ideal for flip cap (plastic made) opening force test up to 50N.	It is ideal for tension test of clamp terminal up to 1000N.	It is an optional attachment to prevent unbalanced load.

\* Refer to specifications of the individual product for details.

[Customization]

**Customization Example: Fixed opening width (SHF-100N/SHF-100N-L)**

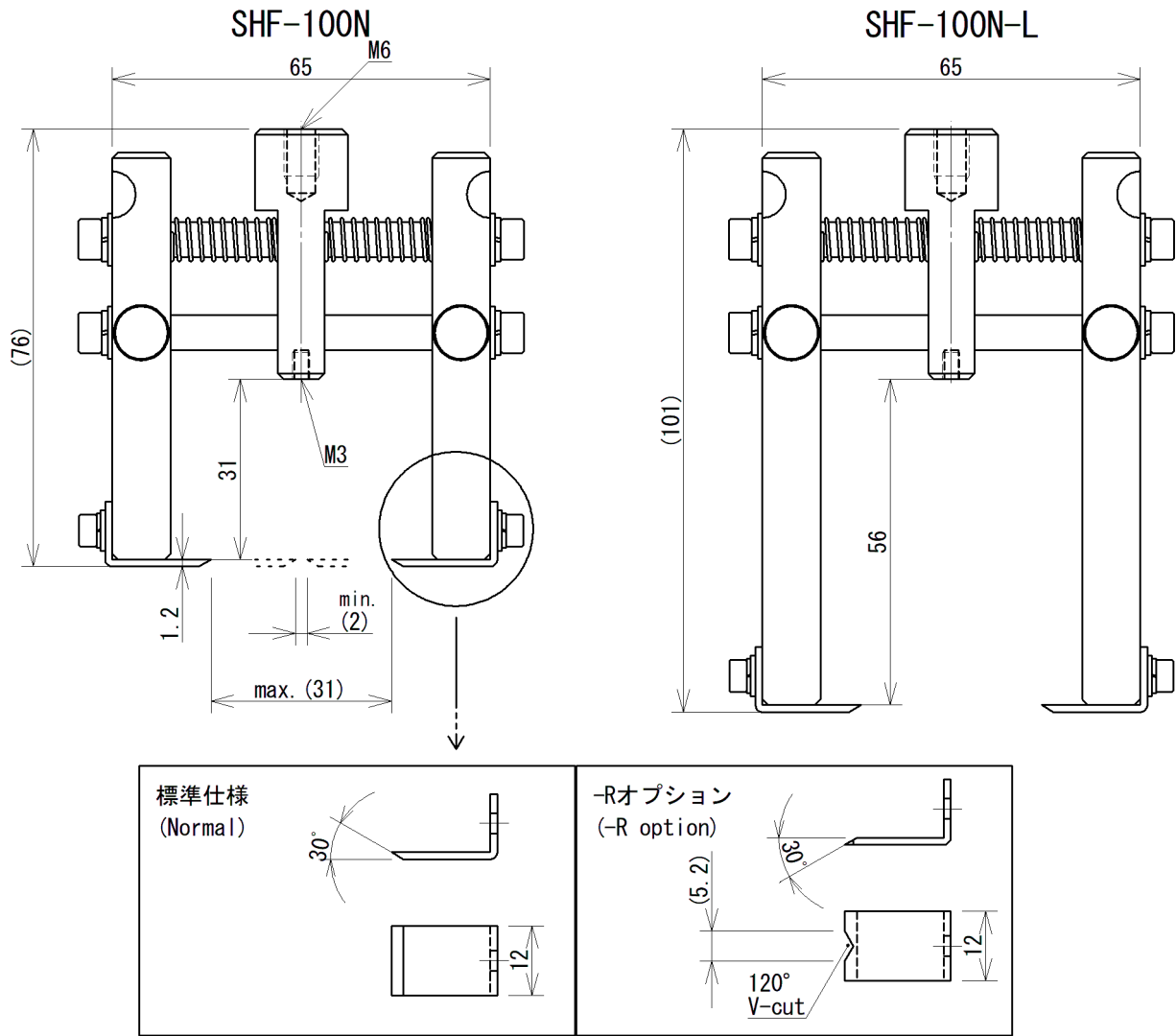
This customization adds a block below the center column of the jig so that the opening width can be fixed at the same span each time.  
It suits repetitive tests for same size sample, saving adjusting time of the jig.

Add the required width after the model name to complete the model with this custom-made option.

e.g., To have 30mm of fixed opening width: SHF-100N-W30

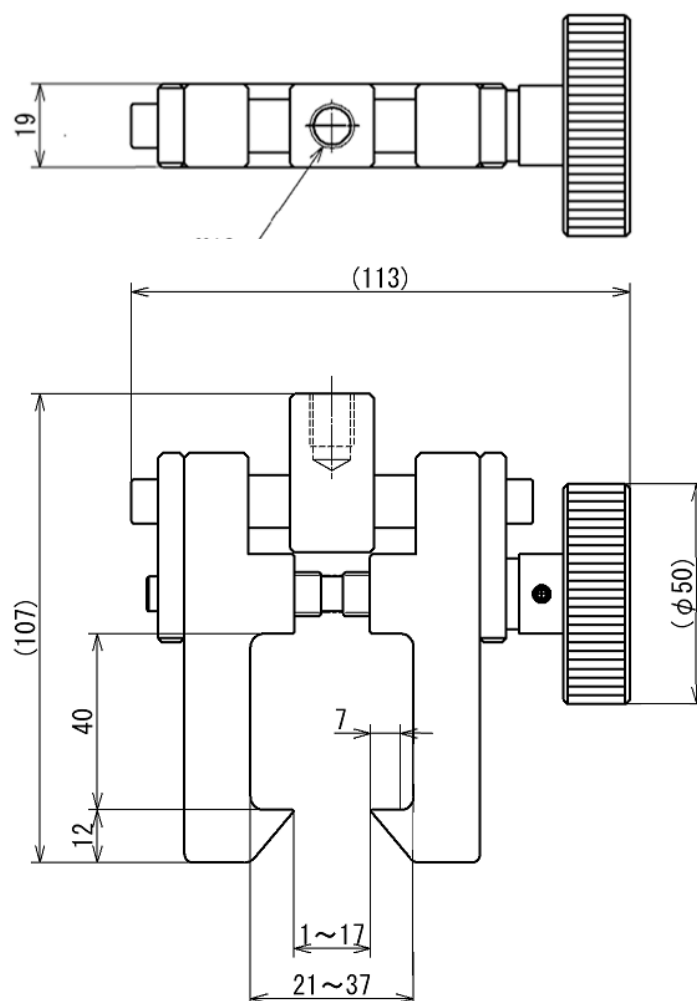


[Dimension]



Unit: mm

## **SHF-2500N**



Unit: mm

### **[Cautions]**

- Information in this document is subject to change without prior notice.
- This document is product descriptions and handling precautions, and do not guarantee various characteristics or safety.
- This product is designed for force measurement purpose only.
- Do not copy and use this content without authorization.
- A force gauge (sold separately) is required to use this product.
- Some samples may not be suitable to measure with this product.

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