

Deflection Tester

Attachment for Adjustable Height V Support

Instruction Manual

To ensure correct use, please read this instruction manual carefully before use. After reading, keep it in a safe place where the user can always refer to it.

Assembly Example (Image)



OBISHI KEIKI SEISAKUSHO Co., Ltd.

Safety Precautions

- ※Before use, please read this instruction manual carefully and use the product correctly.
- ※The precautions shown here are intended to ensure the safe and proper use of the product and to prevent any potential hazards to the user.
- ※The precautions are categorized into three levels — **Danger, Warning, and Caution** — to clearly indicate the severity and urgency of potential harm or damage that may occur if the product is mishandled.

For Safe and Proper Use		
This instruction manual includes various symbols and pictograms throughout the text to ensure correct use of the product and to prevent harm or damage to the user. The symbols and their meanings are as follows. ● Please read the text after fully understanding the symbols and their meanings. ● After reading, be sure to keep this manual in a place where anyone using the product can easily refer to it at any time. ● All of these are safety-related instructions, so please be sure to follow them.		
	Danger	This indicates situations where incorrect handling could result in imminent risk of death or serious injury.
	Warning	This indicates situations where incorrect handling could potentially result in death or serious injury.
	Caution	This indicates situations where incorrect handling may result in injury to persons or only property damage.
Examples of symbols		The △ symbol indicates the presence of danger, warning, or caution messages, with specific precautions described within the figure. (The left figure is used to indicate general danger, warning, or caution without specifying details.)
		The ○ symbol indicates prohibited actions, with specific precautions described within or below the figure. (The figure on the left is used for general prohibition notices without specifying particular actions.)
		The ● symbol indicates mandatory actions, with specific instructions detailed within the figure. (The figure on the left is used for general mandatory actions or instructions without specifying details.)

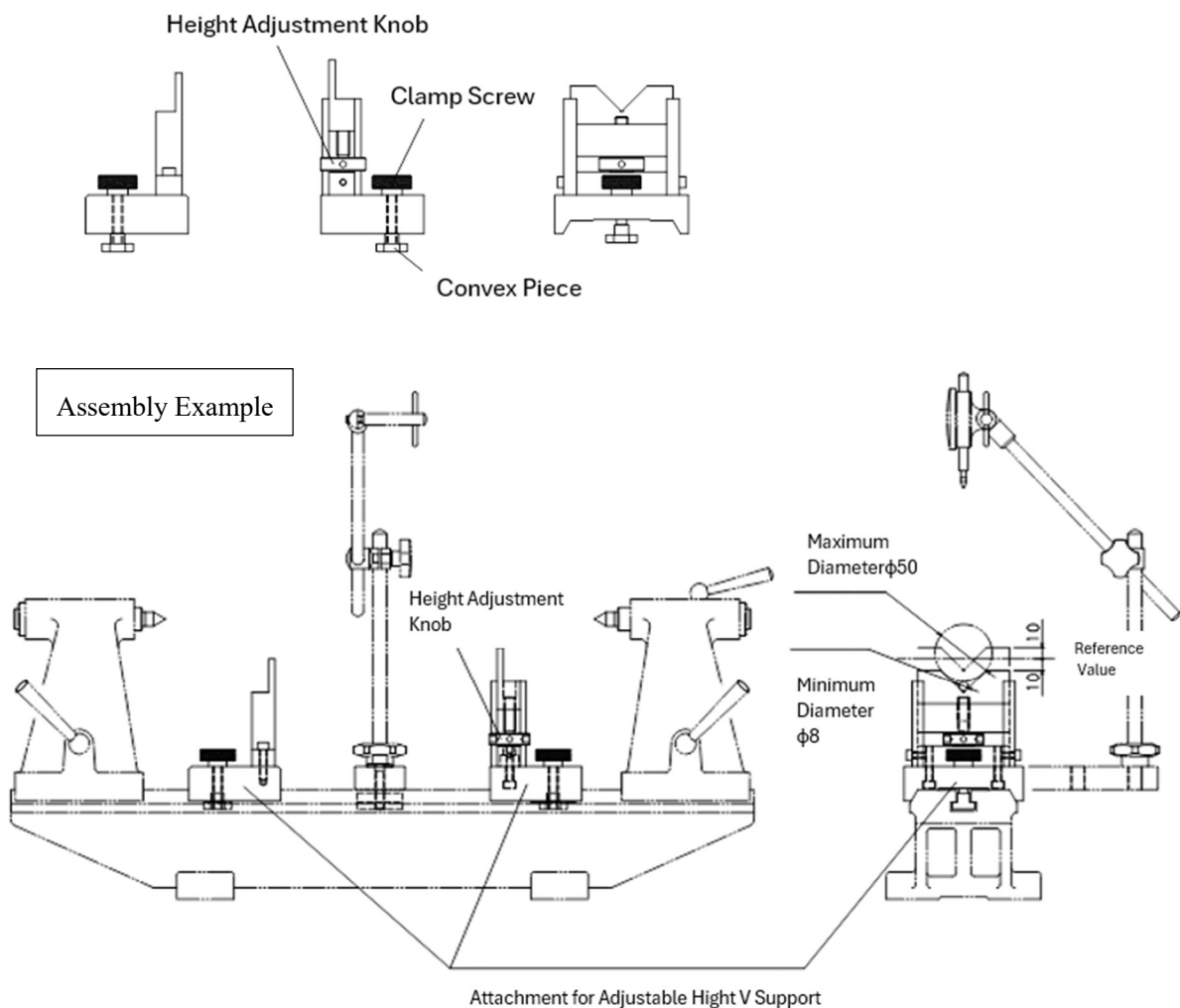
Attachment for Adjustable Hight V Support Instruction Manual

1. Product Features

- This is an attachment used for measuring with the outer diameter as a reference.
- To accommodate workpieces with different outer diameters at the support section, one side of the V-block is height-adjustable.
- The V-block is designed with a narrow width, making it applicable to workpieces with double flanges.
- Applicable workpiece size: $\phi 8$ – $\phi 50$ mm
- Height adjustment range (adjustable side): reference value ± 10 mm (relative to the height of the fixed-side V-block)

Note: The Deflection Tester, test bar, dial gauge stand, and dial gauge are not included. Please prepare them separately.

2. Names of Parts and External View



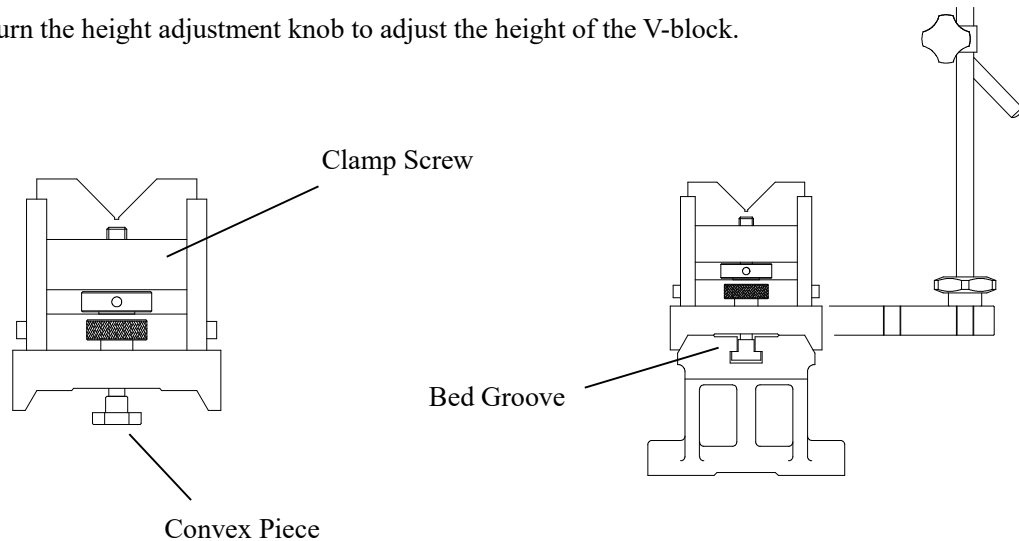
3. Specifications

Code No.	Model	Applicable Bench Centers	Mass (kg)
SAV101	SAV-1	No. 1 ML-1	4
SAV102	SAV-2	No. 2 ML-2	7.5

4. Instructions for Use

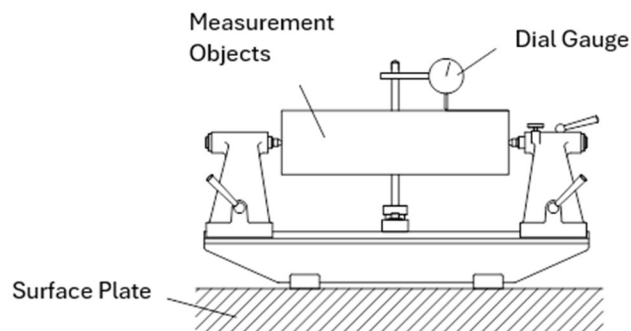
Attachment Mounting Method

- ① Remove the stock from the bed of the Deflection Tester.
- ② Insert the convex piece of this instrument into the groove of the bed.
- ③ Return the stock to the bed and fix it with the clamp screw.
- ④ Turn the height adjustment knob to adjust the height of the V-block.



Measurement Method

- ① Mount the workpiece on the instrument.
- ② Place the stand with the dial gauge on the instrument.
- ③ Lightly bring the stylus of the dial gauge into contact with the highest point of the workpiece.
- ④ Rotate the workpiece and record the needle deflection.



6. Precautions for Use

- ① When using this instrument, read both this instruction manual and the instruction manual for the Deflection Tester.
- ② Clean the Precision Surface and the measurement surface of the workpiece before use.
- ③ Handle the instrument carefully during use and storage to avoid impact or shock.
- ④ Allow the instrument to acclimate to the ambient temperature before use.
- ⑤ Do not use or store the instrument in places with drastic temperature changes.
- ⑥ Do not apply excessive load or impact.
- △ ⑦ Before mounting the workpiece, always make sure that this instrument is securely fixed to the Deflection Tester.
- ⑧ After use, always apply rust prevention treatment.
- ⑨ Check the instrument for abnormalities before use in the following cases:
 - When the instrument has been dropped.
 - When an object has been dropped onto the instrument.
- ⑩ Use the instrument only after regularly checking for any abnormalities.
- △ ⑪ If the product has sharp edges, handle it carefully to avoid injuring your fingers or other parts of your body.
- △ ⑫ Wear protective gloves and safety glasses as necessary to prevent injury while working.
- △ ⑬ Do not use this product if it is damaged or deteriorated, as it may cause injury or accidents.
- △ ⑭ If an injury occurs, give first aid immediately and seek medical attention if necessary.

Contact Information

JIS Certified Factory



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Head Office and Factory

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Design, development, manufacturing, and calibration services for precision measuring instruments (levels, surface plates, straight edges, reference measuring instruments, square rulers, blocks, dial gauge stands, comparators, angle measuring instruments, bench centers, squareness measuring instruments).