

Deflection Tester Center

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.



Center (Hardened)



Center (with a tungsten carbide tip)

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.)

Center Instruction Manual

1. Product Features

- Center (Hardened)

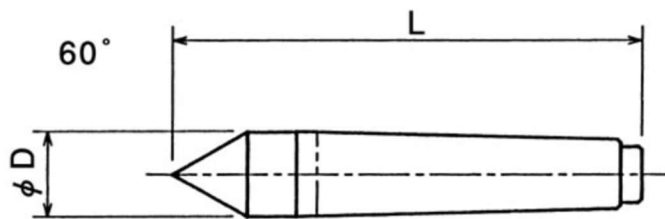
Equipped as standard on our Deflection Testers except for the ML, VP, and VPG types.

- Center (with Tungsten Carbide)

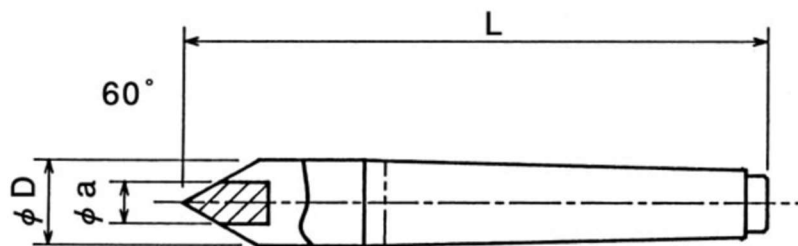
Equipped as standard on our Deflection Testers of the ML, VP, and VPG types.

Note: Special sizes, Bevel Centers, carbide-tipped types, and female centers can also be manufactured upon request.

2. Names of Parts and External View



Center (Hardened)



Center (with a tungsten carbide tip)

3. Specifications

Morse Taper	Standard Center(Hardened)			Standard Center(with Carbide)			
	Code No.	Size ($\phi D \times L$ mm)	Mass (g)	Code No.	Size ($\phi D \times L$ mm)	Carbide Diameter (ϕa)	Mass (g)
MT-1	SAS106	12.2 $\times$ 66	50	SAK901	12.2 $\times$ 82	6	65
MT-2	SAS146	18 $\times$ 90	150	SAK902	18 $\times$ 100	8	175
MT-3	SAS176	24.1 $\times$ 113	350	SAK903	24.1 $\times$ 125	10	380

4. Replacement Method

For the procedure of replacing the center, refer to the instruction manual of the Deflection Tester.

5. Precautions for Use

- ① Before use, clean the working surface.
- ② Handle the instrument carefully during use and storage to avoid impact or shock.
- ③ Allow the instrument to acclimate to the ambient temperature before use.
- ④ Do not use or store the instrument in places with drastic temperature changes.
- ⑤ Do not place this instrument in locations subject to vibration or other similar conditions.
- ⑥ After use, always apply rust prevention treatment and store the instrument.
- ⑦ 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 product .
- △ ⑧ If the product has sharp edges, handle it carefully to avoid injuring your fingers or other parts of your body.
- △ ⑨ Wear protective gloves and safety glasses as necessary to prevent injury while working.
- △ ⑩ Do not use this product if it is damaged or deteriorated, as it may cause injury or accidents.
- △ ⑪ If an injury occurs, give first aid immediately and seek medical attention if necessary.

Contact Information



JIS Certified Factory

OBISHI KEIKI SEISAKUSHO Co., Ltd.

Head Office: 1-1216-1 Nanyo, Nagaoka City, Niigata 940-1164

TEL: (0258)22-1100 FAX: (0258)22-0014

Tokyo Office: 3-5, Kanda Surugadai, Chiyoda-ku, Tokyo 101-0062

TEL: (03)3293-8881 FAX: (03)3293-8884

Nagoya Office: 2F Nichiju Bldg., 3-15 Oimachi, Naka-ku, Nagoya City, Aichi 460-0015

TEL: (052)322-4031 FAX: (052)322-5647



ISO9001 Certified (JQA-QMA11294)

Head Office and Factory

ISO9001
JQA-QMA11294

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).