

Straight Edge

Straight Edge (Wide Type)

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.



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.

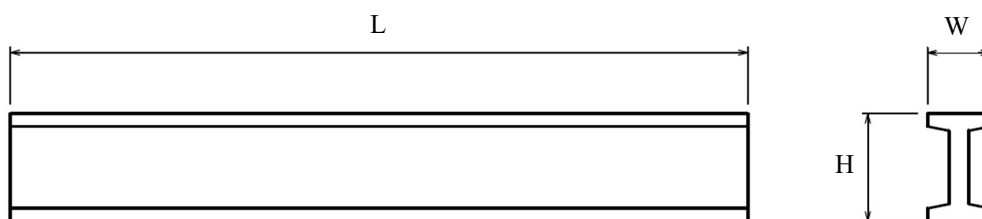
For Safe and Proper Use		
This instruction manual includes various symbols and pictograms throughout the text to ensure correct use of the product and to prevent harm or damage to the user. The symbols and their meanings are as follows. ● Please read the text after fully understanding the symbols and 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.)

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1. Product Features

- This product is designed with a wide width, allowing placement of a level or similar instruments.
 - It is used as a reference straightedge for measuring parallelism and straightness..
 - It can be used as a reference for inspection of machine running accuracy, assembly of precision machinery, and installation of turbines at power plants.
 - This product is manufactured in accordance with JIS B7514 for straightness and parallelism (height variation).
 - Both hardened and non-hardened types are available.
- ※Special-grade versions can also be manufactured upon request..
- ※The storage case is a sturdy type designed for both storage and transport.

2. External View



3. Specifications

Grade A

Nominal	Size (L×H×W mm)	Hardened	Non-hardened	Straightness, Parallelism (μ m)	Mass (kg)
		Code No.	Code No.		
1000	1000×85×50	ED101	ED201	6	17
1500	1500×90×50	ED102	ED202	8	28
2000	2000×120× 50	ED103	ED203	10	44
2500	2500×140× 50	ED104	ED204	12	69
3000	3000×180× 50	ED105	ED205	14	103
4000	4000×200× 50	ED106	ED206	18	165
5000	5000×240× 50	ED107	ED207	22	226

Grade B

Nominal	Size (L×H×W mm)	Hardened	Non-hardened	Straightness, Parallelism (μ m)	Mass (kg)
		Code No.	Code No.		
1000	1000×85×50	ED301	ED401	24	17
1500	1500×90×50	ED302	ED402	34	28
2000	2000×120× 50	ED303	ED403	44	44
2500	2500×140× 50	ED304	ED404	54	69
3000	3000×180× 50	ED305	ED405	64	103

4000	$4000 \times 200 \times 50$	ED306	ED406	84	165
5000	$5000 \times 240 \times 50$	ED307	ED407	104	226

4. Instructions for Use

- ① Clean the Precision Surface and the measurement surface of the workpiece before use.
- 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 After use, always apply rust prevention treatment and store the instrument in its storage case.
- ⑥ 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.
- ⑦ If there are scratches or damage, have the instrument repaired and inspected. Remove minor scratches on the Precision Surface locally with an Arkansas stone or similar before use.
- ⑧ Check the accuracy regularly before using the product.
- △ ⑨ If the product has sharp edges, handle it carefully to avoid injuring your fingers or other parts of your body.
- △ ⑩ When handling long and heavy products, perform the operation with multiple people and take sufficient care to prevent injury.
- ⑪ Wear protective gloves and safety glasses as necessary to prevent injury while working.
- △ ⑫ Do not use this product if it is damaged or deteriorated, as it may cause injury or accidents.
- △ ⑬ 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
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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).