Straight Edge

I-Beam Type Straight Edge

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.

<table>
<tr><th colspan="3">For Safe and Proper Use</th></tr>
<tr><td colspan="3">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.</td></tr>
<tr><td colspan="2">⚠ Danger</td><td>This indicates situations where incorrect handling could result in imminent risk of death or serious injury.</td></tr>
<tr><td colspan="2">⚠ Warning</td><td>This indicates situations where incorrect handling could potentially result in death or serious injury.</td></tr>
<tr><td colspan="2">⚠ Caution</td><td>This indicates situations where incorrect handling may result in injury to persons or only property damage.</td></tr>
<tr><td rowspan="3">Examples of symbols</td><td>  </td><td>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.)</td></tr>
<tr><td>  </td><td>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.)</td></tr>
<tr><td>  </td><td>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.)</td></tr>
</table>

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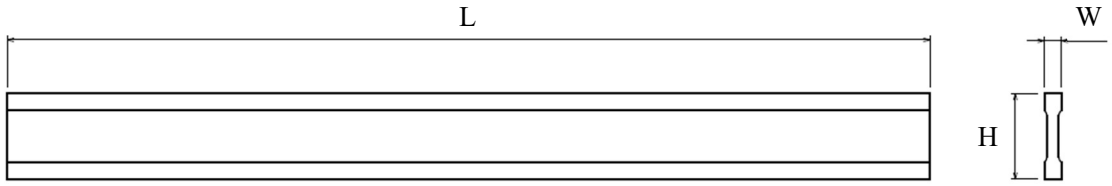
1. Product Features

- It can be used for inspecting machined surfaces and as a reference guide.
- It features an I-shaped structure that minimizes distortion.
- The guaranteed accuracy range is equal to the nominal dimension, excluding 20 mm from both ends.
- Products 1500 mm and longer are equipped with long holes for attaching handles to facilitate carrying.

2. External View



3. Specifications

Grade A

Nominal	Size (L×H×W mm)	Hardened	Non-hardened	Straightness, Parallelism (μm)	Mass (kg)
		Code No.	Code No.		
500	540×50×10	EA101	EA201	7	2.0
750	790×60×12	EA102	EA202	9.5	3.8
1000	1040×60×12	EA103	EA203	12	5.0
1500	1540×70×15	EA104	EA204	17	9.5
2000	2040×90×20	EA105	EA205	22	23.0
2500	2540×100×20	EA106	EA206	27	35.0
3000	3040×120×22	EA107	EA207	32	48.5

3500	3540×135×22	EA108	EA208	37	65.0
4000	4040×140×25	EA109	EA209	42	82.0
5000	5040×150×30	EA110	EA210	52	135.0

Grade B

Nominal	Size (L×H×W mm)	Hardened	Non-hardened	Straightness, Parallelism (μm)	Mass (kg)
		Code No.	Code No.		
500	540×50×10	EA301	EA401	20	2.0
750	790×60×12	EA302	EA402	25	3.8
1000	1040×60×12	EA303	EA403	30	5.0
1500	1540×70×15	EA304	EA404	40	9.5
2000	2040×90×20	EA305	EA405	50	23.0
2500	2540×100×20	EA306	EA406	60	35.0
3000	3040×120×22	EA307	EA407	70	48.5
3500	3540×135×22	EA308	EA408	80	65.0
4000	4040×140×25	EA309	EA409	90	82.0
5000	5040×150×30	EA310	EA410	110	135.0

4. Precautions 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

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JQA-QMA11294

ISO9001 Certified (JQA-QMA11294)

Head Office and Factory

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).