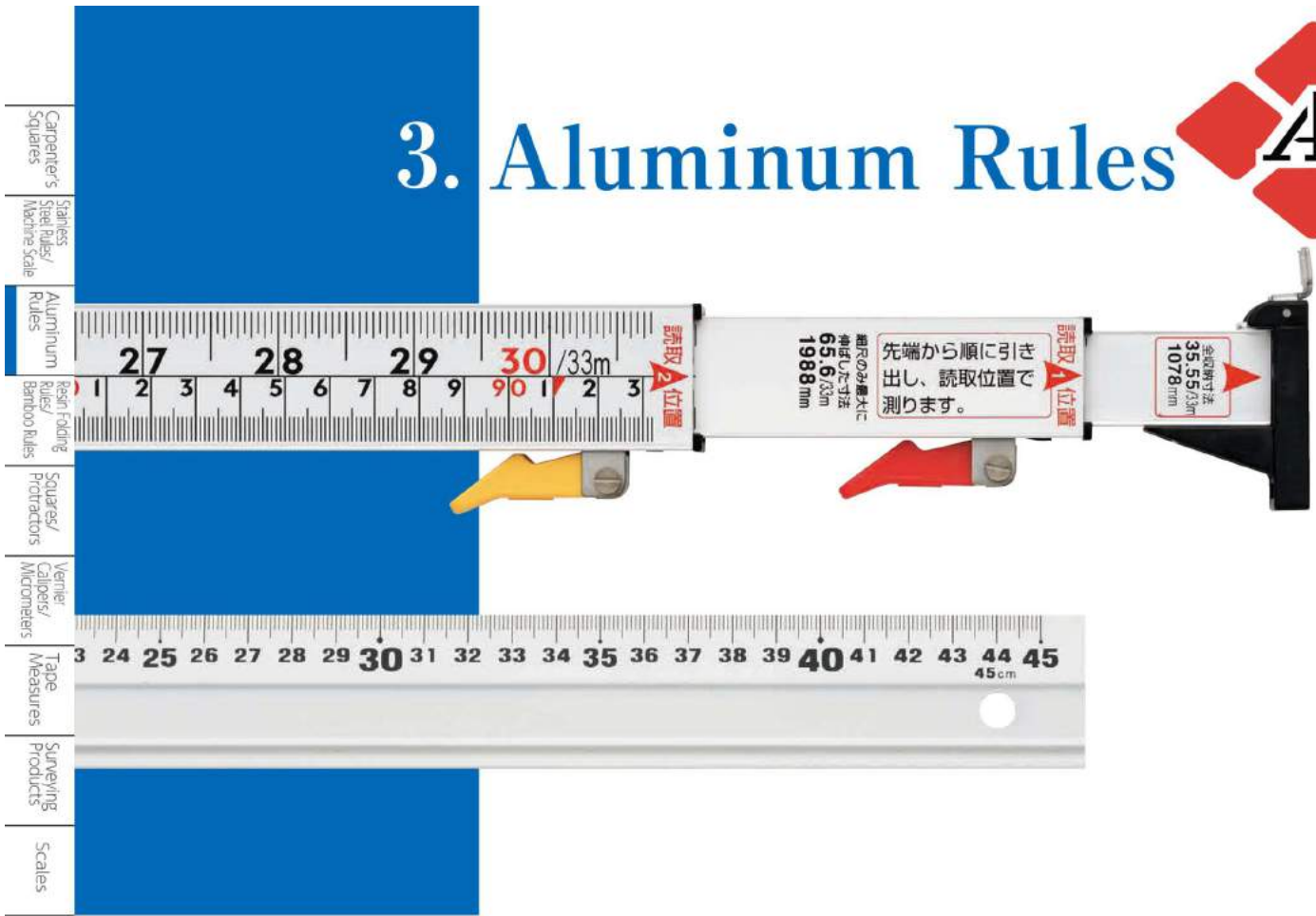


# 3. Aluminum Rules

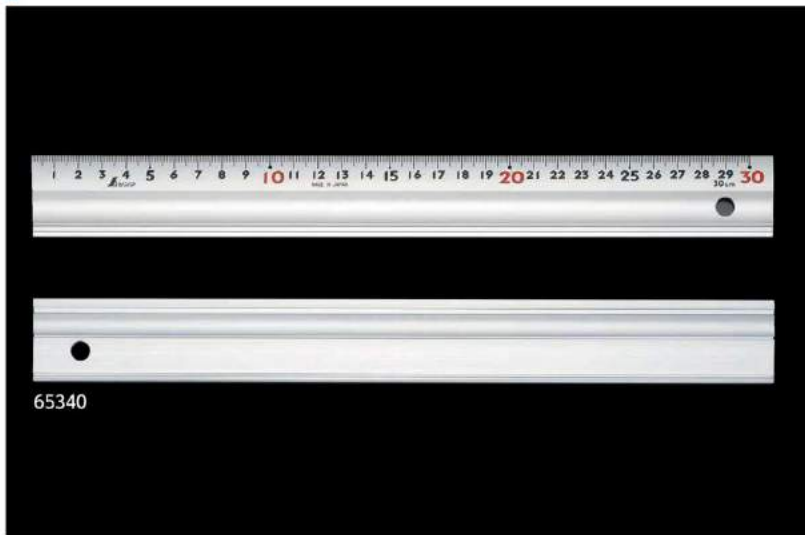


Packaging  Shrink package  Box  Vinyl package + header card  Card  No package  
 Sleeve package  Bag  Clear package  Vinyl package




Since aluminum can be elastic due to change in temperatures, please do not use it for precisions other than the shown tolerance. Based on the temperature 20°C, a 10°C change generates 0.235 mm expansion or contraction per 1 m.

## Aluminum Rule Rigid




**Features**

- Tough aluminum rules with 50% more aluminum materials than the conventional model
- Bold, easy-to-read graduations
- Light, durable, rust-resistant
- Accessory: Cork strip with adhesive tape



to tape on the back if necessary

- Edge prevents ink from running off



This 0.5 mm gap prevents inks from bleeding

**Use**

- For measuring the length, drawing lines, and cutting

**Specifications**

|                  | 65340    | 65363    | 65378    | 65387    |
|------------------|----------|----------|----------|----------|
| Length Tolerance | ±0.20 mm | ±0.25 mm | ±0.28 mm | ±0.40 mm |
| Material         | Aluminum |          |          |          |

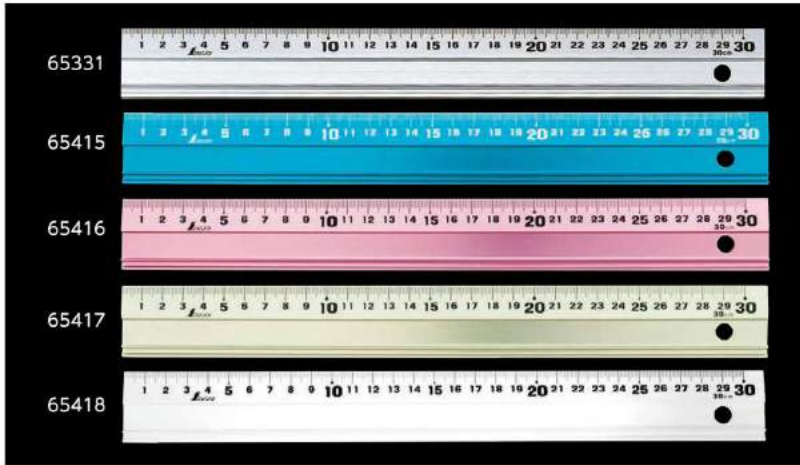
\*Length tolerance is the accuracy measured at normal temperature.

| Item Code | Description | Overall LengthxWidthx Thickness (mm) | Weight (g) | JAN Code        | Packing Unit | Package                             |
|-----------|-------------|--------------------------------------|------------|-----------------|--------------|-------------------------------------|
| 65340     | 30 cm       | 310x35x5                             | 90         | 4 960910 653405 | 20           | <input checked="" type="checkbox"/> |
| 65363     | 45 cm       | 460x35x5                             | 130        | 4 960910 653634 | 20           | <input checked="" type="checkbox"/> |
| 65378     | 60 cm       | 610x35x5                             | 180        | 4 960910 653788 | 10           | <input checked="" type="checkbox"/> |
| 65387     | 1 m         | 1,010x35x5                           | 300        | 4 960910 653870 | 10           | <input checked="" type="checkbox"/> |

JIS JIS mark  With red numbers  cm/shaku (Upper side for front metric / Lower side for back shaku)  With magnet  Vial with luminous sheet  Thermometer  Double-sided tape  Letters in Japanese  With stopper  Oil  Glass lens  With edge

Japanese zodiac signs  With battery  shaku/cm (Upper side for front shaku / Lower side for back metric)  With non-slip pad  Thermometer/hygrometer  Hygrometer  With hanging hole  Letters in English  With direction arrow  With grid scale  Plastic lens

#### Aluminum Rule with Non-slip Pad



| Item Code | Description | Body Size (mm) | Weight (g) | JAN Code        | Packing Unit | Package |
|-----------|-------------|----------------|------------|-----------------|--------------|---------|
| 65331     | 30 cm       | 310x35x5       | 52         | 4 960910 653313 | 20           |         |
| 65415     | 30 cm Blue  | 310x35x5       | 52         | 4 960910 654150 |              |         |
| 65416     | 30 cm Pink  | 310x35x5       | 52         | 4 960910 654167 |              |         |
| 65417     | 30 cm Gold  | 310x35x5       | 52         | 4 960910 654174 |              |         |
| 65418     | 30 cm White | 310x35x5       | 55         | 4 960910 654181 |              |         |
| 65358     | 45 cm       | 460x35x5       | 79         | 4 960910 653580 |              |         |
| 65423     | 45 cm Blue  | 460x35x5       | 79         | 4 960910 654235 |              |         |
| 65424     | 45 cm Pink  | 460x35x5       | 79         | 4 960910 654242 |              |         |
| 65425     | 45 cm Gold  | 460x35x5       | 79         | 4 960910 654259 |              |         |
| 65426     | 45 cm White | 460x35x5       | 85         | 4 960910 654266 |              |         |
| 65374     | 60 cm       | 610x35x5       | 106        | 4 960910 653740 | 10           |         |
| 65434     | 60 cm Blue  | 610x35x5       | 106        | 4 960910 654341 |              |         |
| 65435     | 60 cm Pink  | 610x35x5       | 106        | 4 960910 654358 |              |         |
| 65436     | 60 cm Gold  | 610x35x5       | 106        | 4 960910 654365 |              |         |
| 65437     | 60 cm White | 610x35x5       | 115        | 4 960910 654372 |              |         |
| 65382     | 1 m         | 1,010x35x5     | 173        | 4 960910 653825 |              |         |
| 65442     | 1 m Blue    | 1,010x35x5     | 173        | 4 960910 654426 |              |         |
| 65443     | 1 m Pink    | 1,010x35x5     | 173        | 4 960910 654433 |              |         |
| 65444     | 1 m Gold    | 1,010x35x5     | 173        | 4 960910 654440 |              |         |
| 65445     | 1 m White   | 1,010x35x5     | 190        | 4 960910 654457 |              |         |

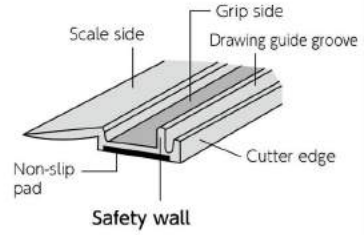
#### Aluminum Rule

| Item Code | Description | Body Size (mm) | Weight (g) | JAN Code        | Packing Unit | Package |
|-----------|-------------|----------------|------------|-----------------|--------------|---------|
| 65498     | 15 cm       | 160x35x5       | 28         | 4 960910 654983 | 20           |         |
| 65501     | 30 cm       | 310x35x5       | 51         | 4 960910 655010 |              |         |
| 65528     | 45 cm       | 460x35x5       | 76         | 4 960910 655287 |              |         |
| 65536     | 60 cm       | 610x35x5       | 102        | 4 960910 655362 |              |         |
| 65544     | 1 m         | 1,010x35x5     | 169        | 4 960910 655447 |              |         |

JIS JIS mark With red numbers cm/shaku (Upper side (or Front) metric / Lower side (or Back) shaku) With magnifier Vial with luminous sheet Thermometer Double-sided tape Letters in Japanese With stopper Oil Glass lens With edge  
 Japanese zodiac signs With battery shaku/cm (Upper side (or Front) shaku / Lower side (or Back) metric) With non-slip pad Thermometer/Hygrometer Hygrometer With large hole Letters in English With direction arrow With grid scale Plastic lens

#### Features

- Bold, easy-to-read graduations
- Light, durable, rust-resistant
- Non-slip foam
- Choose your favorite color



The safety wall is higher than the cutter edge to prevent a cutter from sliding over it.

#### Use

- For measuring length, drawing lines, and cutting

#### Drawing Guide Groove

Use it when you want to draw a line by using a marker or pen without touching the rule directly.



Drawing guide is not included.

#### Specifications

|                   |                                     |
|-------------------|-------------------------------------|
|                   | 65498                               |
| Length Tolerance* | ±0.16 mm                            |
| Material          | Main Part: Aluminum                 |
|                   | 65331 65415 65416 65417 65418 65501 |
| Length Tolerance* | ±0.20 mm                            |
| Material          | Main Part: Aluminum                 |
|                   | 65358 65423 65424 65425 65426 65528 |
| Length Tolerance* | ±0.25 mm                            |
| Material          | Main Part: Aluminum                 |
|                   | 65374 65434 65435 65436 65437 65536 |
| Length Tolerance* | ±0.28 mm                            |
| Material          | Main Part: Aluminum                 |
|                   | 65382 65442 65443 65444 65445 65544 |
| Length Tolerance* | ±0.40 mm                            |
| Material          | Main Part: Aluminum                 |

\*Length tolerance is the accuracy when measured at normal temperature.

Back (non-slip pad)



## Aluminum Cutting Rule PROTECT



65065



65066

| Item Code | Description  | Body Size (mm) | Weight (g) | JAN Code        | Packing Unit | Package |
|-----------|--------------|----------------|------------|-----------------|--------------|---------|
| 65065     | 70 cm/shaku  | 720×80×15      | 650        | 4 960910 650657 | 2            |         |
| 65066     | 1 m/shaku    | 1,020×80×15    | 920        | 4 960910 650664 |              |         |
| 65067     | 1.25 m/shaku | 1,270×80×15    | 1,150      | 4 960910 650671 |              |         |
| 65068     | 2 m/shaku    | 2,030×80×15    | 1,800      | 4 960910 650688 |              |         |

Refer to P. 2 about the shaku scale

### Features

- Protector folds for easy carrying and storage
- 30 mm tall wall (35 mm from cutting surface) protects your hands
- Stainless steel edges prevent damage from a cutting blade
- Side cap protects materials from being scratched



### Use

- For measuring length, drawing lines, cutting, guiding a circular saw

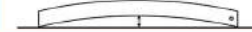
### Specifications

|                        | 65065  | 65066        | 65067         | 65068        |
|------------------------|--|--------------|---------------|--------------|
| Length Tolerance       | ±0.51 mm   | ±0.60 mm     | ±0.68 mm      | ±0.90 mm     |
| Straightness Tolerance | Below 0.34 mm  | Below 0.4 mm | Below 0.45 mm | Below 0.6 mm |
| Material               | Main Part: Aluminum Edge: Stainless steel Side-cap: Polyacetal resin Stopper: Rubber |              |               |              |

\*Length tolerance is the accuracy when measured at normal temperature.

\*Straightness tolerance is the warpage of the sides.

How to measure straightness



## Aluminum Cutting Rule EX



65030



65032

| Item Code | Description | Body Size (mm) | Weight (g) | JAN Code        | Packing Unit | Package |
|-----------|-------------|----------------|------------|-----------------|--------------|---------|
| 65030     | 60 cm/shaku | 625×88×11      | 500        | 4 960910 650305 | 2            |         |
| 65032     | 1 m/shaku   | 1,020×88×11    | 800        | 4 960910 650329 |              |         |
| 65034     | 1.5 m/shaku | 1,535×88×11    | 1,240      | 4 960910 650343 |              |         |
| 65036     | 2 m/shaku   | 2,020×88×11    | 1,580      | 4 960910 650367 |              |         |
| 65038     | 2.5 m/shaku | 2,540×88×11    | 1,990      | 4 960910 650381 | 1            |         |

Refer to P. 2 about the shaku scale

### Features

- Stainless steel edges prevent damage from a cutting blade



- Fully-covered rubber stopper
- Elastomer resin handle makes it easy to hold (models with handle)



- Suitable for carpentry using shaku graduations
- Double-left Reference Point Model: When either the shaku or cm scale is on the upper level, that graduation's reference point reads from the left side edge
- Light, durable, rust-resistant
- Bold, easy-to-read graduations

### Use

- For measuring length, drawing lines, and cutting
- For guiding a circular saw (without handle)

### Specifications

|                        | 65030<br>65031   | 65032<br>65033 | 65034<br>65035 | 65036<br>65037 | 65038        |
|------------------------|--|----------------|----------------|----------------|--------------|
| Length Tolerance       | ±0.28 mm   | ±0.40 mm       | ±0.55 mm       | ±0.70 mm       | ±0.80 mm     |
| Straightness Tolerance | Below 0.32 mm  | Below 0.4 mm   | Below 0.5 mm   | Below 0.6 mm   | Below 0.7 mm |
| Material               | Main Part: Aluminum Edge: Stainless steel Handle: ABS resin, elastomer resin Stopper: Rubber |                |                |                |              |

\*Length tolerance is the accuracy when measured at normal temperature.

\*Straightness tolerance is the warpage of the sides.

How to measure straightness



## Aluminum Cutting Rule EX with Handle



65033

| Item Code | Description | Body Size (mm) | Weight (g) | JAN Code        | Packing Unit | Package |
|-----------|-------------|----------------|------------|-----------------|--------------|---------|
| 65031     | 60 cm/shaku | 625×88×68      | 650        | 4 960910 650312 | 2            |         |
| 65033     | 1 m/shaku   | 1,020×88×68    | 950        | 4 960910 650336 |              |         |
| 65035     | 1.5 m/shaku | 1,535×88×68    | 1,390      | 4 960910 650350 | 1            |         |
| 65037     | 2 m/shaku   | 2,020×88×68    | 1,730      | 4 960910 650374 |              |         |

Refer to P. 2 about the shaku scale

JIS JIS mark With red numbers cm/shaku (Upper side for Front metric / Lower side for Back shaku) With magnifier Vial with luminous sheet Thermometer Double-sided tape Letters in Japanese With stopper Oil Glass lens With edge  
 Japanese zodiac signs With battery shaku/cm (Upper side for Front metric / Lower side for Back metric) With non-slip pad Thermometer/hygrometer Hygrometer With hanging hole Letters in English With direction arrow With grid scale Plastic lens

#### Aluminum Cutting Rule



| Item Code | Description                       | Body Size (mm) | Weight (g) | JAN Code        | Packing Unit | Package |
|-----------|-----------------------------------|----------------|------------|-----------------|--------------|---------|
| 65086     | 60 cm/shaku                       | 625x60x9       | 370        | 4 960910 650862 | 5            | V       |
| 65088     | 1 m/shaku<br>Left Reference Point | 1,020x60x9     | 579        | 4 960910 650886 |              |         |
| 65090     | 1 m/shaku                         | 1,020x60x9     | 579        | 4 960910 650909 |              |         |
| 33421     | 1 m                               | 1,020x60x9     | 579        | 4 960910 334212 |              |         |
| 65094     | 1.5 m/shaku                       | 1,535x60x9     | 912        | 4 960910 650947 |              |         |
| 65091     | 2 m/shaku                         | 2,020x60x9     | 1,250      | 4 960910 650916 |              |         |
| 33422     | 2 m                               | 2,020x60x9     | 1,250      | 4 960910 334229 |              |         |
| 65092     | 2.5 m/shaku                       | 2,540x60x9     | 1,560      | 4 960910 650923 | 1            |         |

Refer to P. 2 about the shaku scale

#### Aluminum Cutting Rule with Handle



| Item Code | Description | Body Size (mm) | Weight (g) | JAN Code        | Packing Unit | Package |
|-----------|-------------|----------------|------------|-----------------|--------------|---------|
| 65098     | 60 cm/shaku | 625x60x60      | 520        | 4 960910 650985 | 2            | V       |
| 65093     | 1 m/shaku   | 1,020x60x60    | 730        | 4 960910 650930 |              |         |
| 33423     | 1 m         | 1,020x60x60    | 730        | 4 960910 334236 |              |         |
| 65096     | 1.5 m/shaku | 1,535x60x60    | 1,060      | 4 960910 650961 | 1            | V       |
| 65097     | 2 m/shaku   | 2,020x60x60    | 1,400      | 4 960910 650978 |              |         |
| 33424     | 2 m         | 2,020x60x60    | 1,400      | 4 960910 334243 |              |         |

Refer to P. 2 about the shaku scale

#### Aluminum Cutting Rule Light



| Item Code | Description     | Body Size (mm) | Weight (g) | JAN Code        | Packing Unit | Package |
|-----------|-----------------|----------------|------------|-----------------|--------------|---------|
| 65075     | 1 m             | 1,020x56x5.5   | 382        | 4 960910 650756 | 5            | V       |
| 65076     | 1 m with Handle | 1,020x56x5.2   | 460        | 4 960910 650763 | 2            |         |

#### Cut Rail



| Item Code | Description | Body Size (mm) | Weight (g) | JAN Code        | Packing Unit | Package |
|-----------|-------------|----------------|------------|-----------------|--------------|---------|
| 65077     | 1 m/shaku   | 1,020x100x50   | 1,500      | 4 960910 650770 | 1            | B       |
| 65078     | 2 m/shaku   | 2,020x100x50   | 3,000      | 4 960910 650787 |              |         |

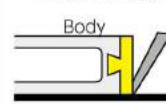
Refer to P. 2 about the shaku scale

JIS JS mark  With red numbers  cm/shaku (Upper side for Front metric / Lower side for Back shaku)  With magnet  Vial with luminous sheet  Thermometer  Double-sided tape  Letters in Japanese  With stopper  Oil  Glass lens  With edge

Japanese zodiac signs  With battery  shaku/cm (Upper side for Front shaku / Lower side for Back metric)  With non-slip pad  Thermometer/Hygrometer  Hygrometer  With hanging tie  Letters in English  With direction arrow  With grid scale  Plastic lens

#### Features

- Stainless steel edges prevent damage from a cutting blade



- Rubber stopper on the back helps to position the rule better



- Unique shaped handle makes it easy to hold. (with Handle model)
- Suitable for carpentry using with shaku graduations
- Double-left Reference Point model: When either the shaku or cm scale is on the upper level, that graduation's reference point reads from the left side edge. (Item code 65088 is a Left Reference Point model that reads from the left side edge for both shaku [upper graduation] and cm [lower graduation].)
- Bold, easy-to-read graduations
- Light, durable, rust-resistant

#### Use

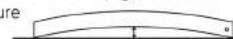
- For measuring length, drawing lines, and cutting
- For guiding a circular saw (without handle)

#### Specifications

|                        | 65086<br>65098  | 65088<br>65090<br>65093<br>33421<br>33423 | 65094<br>65096 | 65091<br>65097<br>33422<br>33424 | 65092        |
|------------------------|---|---|----------------|----------------------------------|--------------|
| Length Tolerance       | ±0.26 mm  | ±0.4 mm                                   | ±0.55 mm       | ±0.7 mm                          | ±0.8 mm      |
| Straightness Tolerance | Below 0.32 mm   | Below 0.4 mm                              | Below 0.5 mm   | Below 0.6 mm                     | Below 0.7 mm |
| Graduations            | 33421, 33422, 33423, 33424 Scale Side: cm<br>Cutter Side: cm<br>65088 Scale Side: shaku Cutter Side: cm<br>Others Scale Side: cm Cutter Side: shaku |   |                |                                  |              |
| Material               | Main Part: Aluminum Edge: Stainless steel<br>Handle: ABS resin, elastomer resin<br>Stopper: Rubber  |   |                |                                  |              |

\*Length tolerance is the accuracy when measured at normal temperature.  
 \*Straightness tolerance is the warp of the sides.

How to measure straightness



#### Features

- Lightweight design, easy-to-use for women
- Large and vivid numbered graduations
- Light, durable, rust-resistant
- With rubber stopper
- Stainless steel edges prevent damage from a cutting blade
- Narrower grip makes it easy to hold even with a small hand (with Handle model)

#### Use

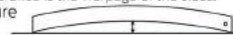
- For measuring length, cutting
- For pasting wall paper

#### Specifications

|                        |  |
|------------------------|--|
| Length Tolerance       | ±0.4 mm  |
| Straightness Tolerance | Below 0.4 mm   |
| Material               | Main Part: Aluminum Edge: Stainless steel<br>Handle: ABS resin Stopper: Rubber |

\*Length tolerance is the accuracy when measured at normal temperature.  
 \*Straightness tolerance is the warp of the sides.

How to measure straightness



#### Features

- Aluminum cutting rule with safety features
- Safety wall prevents blade from sliding over

#### Use

- For measuring length, drawing lines, and cutting

#### Specifications

|                        | 65077  | 65078         |
|------------------------|--|---------------|
| Length Tolerance       | ±0.4 mm  | ±0.7 mm       |
| Straightness Tolerance | Below 0.45 mm  | Below 0.60 mm |
| Material               | Main Part: Aluminum Edge: Stainless steel<br>Stopper: Rubber |               |

\*Length tolerance is the accuracy when measured at normal temperature.  
 \*Straightness tolerance is the warp of the sides.

How to measure straightness

