

Carpenter's Squares

Stainless Steel Rules/
Machine Scale

Aluminum Rules

Resin Rules/
Bamboo RulesSquares/
ProtractorsVernier Calipers/
Micrometers

Tape Measures

Surveying Products

Scales

Levels

Lasers/
Optical EquipmentInclinometers/
Plumbholders

Circular Saw Guides

Construction Tools

Industrial Tools

Thermometers/
Hygrometers/
Environmental Measuring Instruments

Outdoor Products

Magnifying Glasses

Drawing Tools

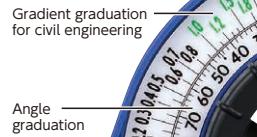
Magnets

Blue Slant

78546



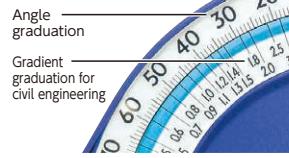
● Gradient graduation for civil engineering



78543



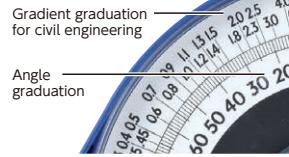
● Gradient graduation for civil engineering



78544



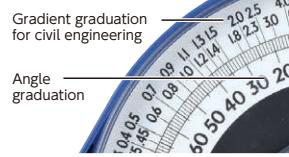
● Gradient graduation for civil engineering



78545



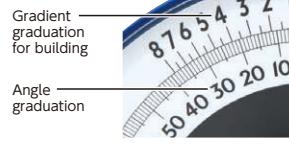
● Gradient graduation for civil engineering



78551



● Gradient graduation for construction work



Features

● Made of sturdy fiberglass ABS resin

■ Blue Slant Revolving Dial Model

● Dial can be raised for cleaning



● Large vial



● Easy-to-turn LOCK knob (Revolving Dial Model)



● High-visibility vial with clear blue liquid and thick white line. Horizontal vial has three base lines on both sides to measure horizontal, 1/50 and 1/100 gradients.

● Both front and back sides can be used



■ Blue Slant Tube Vial Model

● Both front and back sides can be used

■ Blue Slant Dial Model

● Angle and slope from 0 to 90° can be measured on the left and right

● Strong neodymium magnets on measurement side (78545)



Use

● For checking angles and slopes in civil engineering, construction, etc.

Specifications

Item Code	78546
Sensitivity, Precision	Sensitivity 0.35 mm/m = 0.0201° Precision ±17.5 mm/m = less than ±1.0°
Material	Body: ABS resin (with fiberglass) Vial: Acrylic resin Liquid: Petroleum liquid
Item Code	78543
Sensitivity, Precision	Sensitivity 0.7 mm/m = 0.0401° Precision ±17.5 mm/m = Less than ±1.0°
Material	Body: ABS resin (with fiberglass) Vial: Glass Liquid: Petroleum liquid
Item Code	78544 78545 78551
Sensitivity, Precision	Sensitivity 2.0 mm/m = 0.1146° Precision ±17.5 mm/m = less than ±1.0°
Material	Body: ABS resin (with fiberglass) Clear Cover: Polyethylene resin Pointer: Aluminum

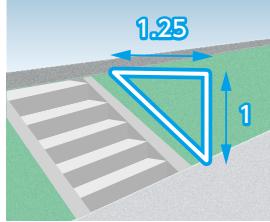
Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
78546	Revolving Dial Model	120×240×20	120	4 960910 785465		
78543	Tube Vial Model	109×235×16	80	4 960910 785434		
78544	Dial Model	107×230×18.5	100	4 960910 785441	5	SP
78545	Dial Model with Magnet	107×230×18.5	115	4 960910 785458		
78551	Dial Model for Japanese Roof Slope	107×230×18.5	100	4 960910 785519		

*Not available in certain areas. Please contact us for details.

The difference between civil engineering gradient and construction gradient

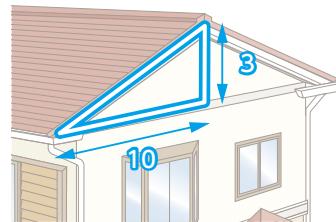
● Civil engineering gradient

The gradient used for the inclination degree of a slope is based on a vertical distance of 1 and is graded by a change in the horizontal distance. For example, when the vertical distance is 1, a gradient with a horizontal distance of 1.25 is called a 1 wari 2 bu 5 rin gradient.



● Construction gradient

The gradient used for the inclination degree of a roof is based on a horizontal distance of 10 and is graded by a change in height. For example, a gradient with a vertical distance of 3 in regards to a horizontal distance of 10 is called a 3 sun gradient.



NEW New catalog items **EN** English package **RD** With red numbers **12** Japanese zodiac signs **cm** cm/shaku (Upper side (or Front) metric/
Lower side (or Back) shaku)

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SP With non-slip pad

SP With battery

SP Lithium-ion battery (LHON)

SP Vial with luminous sheet

SP With groove for slider

CAL Optional JCSS certificate

CAL Optional general calibration certificate