



SHINWA

Work Together

**SHINWA
GENERAL
CATALOG
2021.10~**



SHINWA

Work Together

The words above are very important to us. They convey a crucial message: combine your strengths, come together, and perform as a single entity.

Our mission is to create measuring instruments and other products that are designed to help you and work together with you, on the job and in daily life.

The motto above serves as a constant reminder that we're here to listen to your ideas and work together with you.



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p.259 27. Index Item Code → Description

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Quantity of Packing Unit

The quantity listed is the packing unit per box. For the items with a case unit, the packing unit per case is listed in the parenthesis below the quantity.

The Difference Between Polish Finish and Hard Chrome Finish

Both are made of stainless steel, but the hard chrome finish model has a matte finish. This prevents the sun from causing glare on the scale, making it easier to read.

Shaku Scale

The shaku (尺) is a unit of length traditionally used in East Asian countries.

1 shaku is equal to 10/33 meters (approximately 30.3 cm) in Japan. The shaku system has smaller units as following:
1 shaku (尺)=10 sun (寸)=1,000 bu (分)=10,000 rin (厘)

Key to the symbols

New catalog items	With non-slip pad
English package	With battery
With red numbers	Lithium-ion battery
Japanese zodiac signs	Vial with luminous sheet
cm/shaku (Upper side (or Front) metric/ Lower side (or Back) shaku)	With groove for slider
shaku/cm (Upper side (or Front) shaku/ Lower side (or Back) metric)	With stopper
With magnet	With direction arrow
Optional JCSS certificate	Oil

Packaging

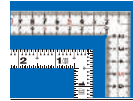
Shrink package	Box	Vinyl package + header card
Sleeve package	Bag	Clear package
Card	Vinyl package	No package

IP Rating

IP rating indicates the degree to which a device is waterproof and/or dustproof as specified by the Japanese Industrial Standards. It is classified by level and shown with a symbol.

(Example)

IP56
 → Dustproof performance: A small amount of dust that has penetrated inside will not hinder normal operation.
 → Waterproof performance: Protected from high pressure water jets from any direction.



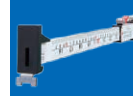
p.7

1. Carpenter's Squares
Carpenter's Square, HC Square Rigid, Large Square, Large Caliper, Dressmaking Square, Rafter Square



p.28

2. Stainless Steel Rules/Machine Scale
Stainless Steel Rule, 6-Folding Stainless Steel Rule, Molding Rule, Precision Stainless Steel Rule, Machine Scale



p.39

3. Aluminum Rules
Aluminum Rule with Non-slip Pad, Aluminum Cutting Rule, Telescopic Measure, Aluminum Box Beam Straight Measure



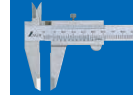
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4. Resin Rules/Bamboo Rules
Folding Rule, Bamboo Rule



p.48

5. Squares/Protractors
Japanese Try Square, Miter Gauge, Japanese Bevel, Try Square Aluminum Base, Protractor



p.56

6. Vernier Calipers/Micrometers
Vernier Caliper, Depth Gauge, Micrometer



p.64

7. Tape Measures
Tape Measure, Flat Tape, Spring Tape Measure



p.71

8. Surveying Products
Aluminum Leveling Rod, Construction Black Board, Surveying Pole, Measuring Wheel



p.90

9. Scales
Scale, Digital Scale, Spring Scale



p.95

10. Levels
Level, Blue Slant, Water Level, Digital Level



p.110

11. Lasers/Optical Equipment
Laser, Laser Range Finder, Auto Level



p.136

12. Inclines/Chalklines/Plumbholders
Ink Line, Chalk Line, Plumb Holder, Thread Reel, Marking Pen



p.155

13. Circular Saw Guides
Circular Saw Guide L Angle, Circular Saw Guide T-slide, Circular Saw Guide I Clamp, Circular Saw Guide Free Angle



p.169

14. Construction Tools
Stud Finder, Measuring Instrument Set for Steel Fabrication, Crack Scale



p.178

15. Industrial Tools
Scribing Needle, Inspection Scope, Gauge, Counter, Inspection Mirror, Chuck Wrench



p.190

16. Thermometers/Hygrometers/Environmental Measuring Instruments
Thermometer, Hygrometer, Soil pH Meter, Lux Meters, UV Light Meter, Noise Meter



p.217

17. Outdoor Products
Dry Compass, Map Measure



p.219

18. Magnifying Glasses
Reading Glass, Power Magnifier, Sheet Magnifier, Binocular



p.225

19. Drawing Tools
Rule, Erasing Shield, Template, Triangle Scale, Drawing Compass



p.234

20. Magnets
Hand Magnet, Pick-up Magnet, Magnetic Sheet

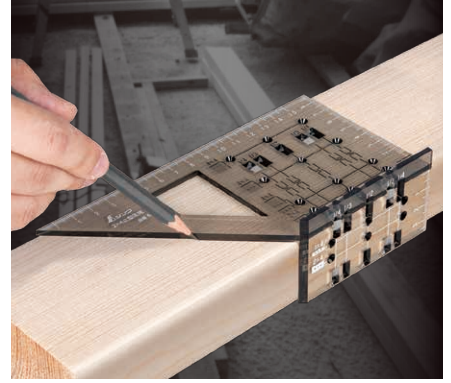
New Products



Carpenter's Square Wide Hard Chrome Finish with Stopper Metal Body (p.16)
Square Stopper Metal Body for 20 mm width Carpenter's Square (p.19)



Carpenter's Square Flat Hard Chrome Finish with Stopper Metal Body (p.19)
Square Stopper Metal Body for 15 mm width Carpenter's Square (p.19)



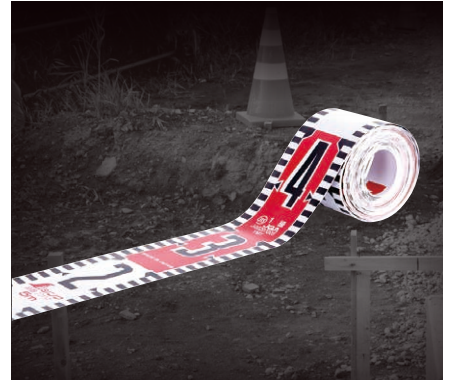
Miter Rule 3D 45° 90° Two-by-Four Clear (p.50)



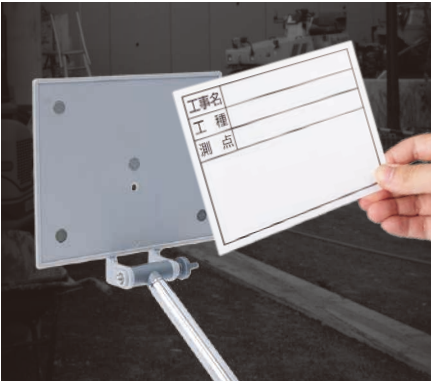
Digital Caliper with Hold Function 2 (p.58)



Tape Measure RIGHT GEAR KIWADACHI (p.67)



Fiberglass Leveling Rod Tape 1 m 60 mm Wide JIS (p.74)



Replaceable Frame 11 x 14 cm for Construction Board (p.76)



Blue Level Jr. 2 Digital Dust/Waterproof (p.101)



Handy Level Compact (p.104)



Mini Level Revo Clip Model for Pole (p.105)



Mini Level Revo Cube Model for Pole (p.105)



Laser ROBO LEXIA AR Green/Red (p.119/120)



Mobile Battery with Solar Panel (p.131)



Wind-resistant Plumb Basic with Magnetic Fixing Arm (p.146)



Circular Saw Guide L-Angle Foldable (p.160)



Circular Saw Guide T-Slide Slim-shift 2 (p.164)



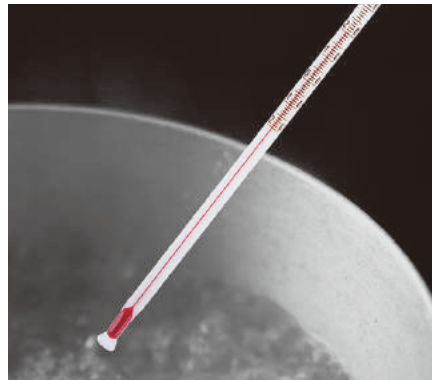
Taper Gauge 5/8" (p.182)
Taper Gauge 5/8"×15 mm (p.182)



Digital Indicator 0.01 mm/12.7 mm Dust/Waterproof (p.184)



Inspection Scope D ø5.2 Portable 4.3 Inch LCD (p.187)



Stick Thermometer Fluorine Resin Coating (p.194)



Stick Thermometer Alcohol H-1C -20 - 105°C 30 cm Individually Packaged (p.194)



Waterproof Digital Thermometer with Remote Probe H-3 (p.204)



Thermometer for Accumulated Temperature Waterproof (p.205)



Digital Soil pH Meter A-2 (p.212)



曲尺



直尺・アルミ製直尺



プロトラクター・ノギス





Work Together



Work Together



Work Together



レベル



レーザー・光学機器



墨つけ・基準出しツール





Work Together



Work Together



Work Together



コンベックス・巻尺



測量用品



はかり





Work Together



Work Together



Work Together



丸ノコガイド定規



建築用工具・工場用工具



温度計・湿度計





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

1. Carpenter's Squares



- Carpenter's Squares
- Stainless Steel Rules/ Machine Scale
- Aluminum Rules
- Resin Rules/ Bamboo Rules
- Squares/ Protractors
- Vernier Calipers/ Micrometers
- Tape Measures
- Surveying Products
- Scales
- Levels
- Lasers/ Optical Equipment
- Inclines/ Chalklines/ Plumblines
- Circular Saw Guides
- Construction Tools
- Industrial Tools
- Thermometers/ Hygrometers/ Environmental Measuring Instruments
- Outdoor Products
- Magnifying Glasses
- Drawing Tools
- Magnets
- 7

Scan here to see videos of various products

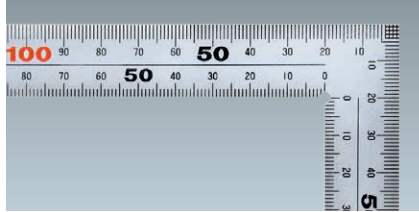


Carpenter's Square Features

Surface Finish

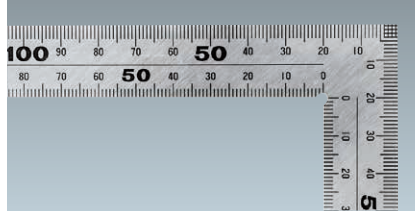
Hard Chrome

Matte finish to prevent glare and give the scale high readability.



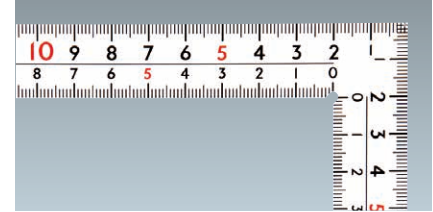
Polish Finish

The price can be kept low because the stainless steel has fewer surface finishing processes compared to matte finish.



White

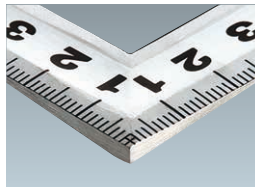
Black graduations on the white background are easy to see even in dark areas. Features a hard coating to prevent peeling.



Corner

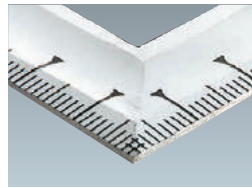
Thick Corner

Thick corner to maintain a square-shaped angle, with a corner shape that is easy to apply when deflected.



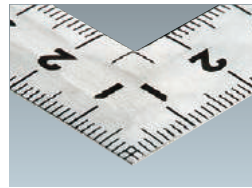
Thin Corner

Corner is thinner than the thick corner, making it easy to use.



Flat Corner

Easy-to-scribe shape, making it easy to use on smaller objects.



Cross section



Angled face prevents ink from bleeding while shape is designed to provide an easy grip.



Thin and flat, making it easy to use on smaller objects, and with pencils or scribing needles.



Thick and stable shape even under heavy pressure.



Long branch shape for easy grip and short branch shape for easy use. The thickness keeps the right angle from deviating and prevents it from bending.

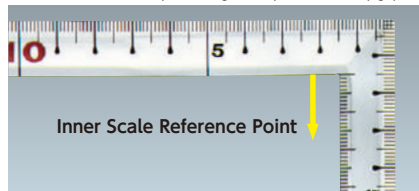
Types of Carpenter's Squares

UCHIPITA

p.10



Short branch has inner graduations based on the inner scale reference point so that it can be hooked onto the material for measurement, while shape is designed to provide an easy grip.

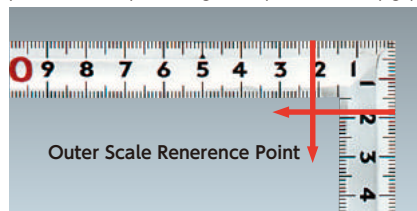


CHOUHOU

p.10



Inner graduations based on the outer scale reference point, while shape is designed to provide an easy grip.



TAKUMI JINGORO

p.12



High-precision squareness. Strong due to hardening process yet also has flexibility

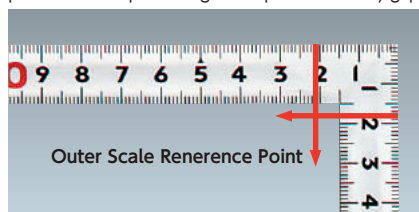


MEISAKU

p.13 - 14



Inner graduations based on the outer scale reference point, while shape is designed to provide an easy grip.

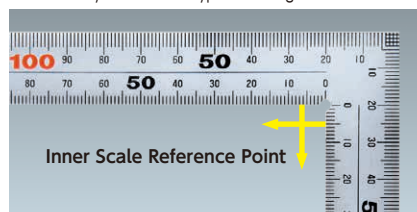


ATSUDEHIROHABA

p.15 - 16



Heavy and sturdy carpenter's squares with thickness and width. A wide variety of scales and types with magnets are available.

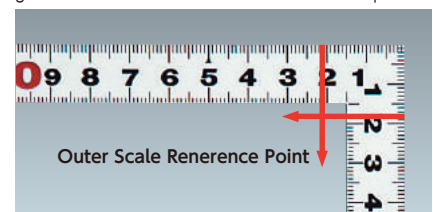


HIRAPITA

p.17 - 19



Thin and flat, making it easy to use on smaller objects. Inner graduations are based on the outer scale reference point.



HIROPITA

p.20



1 mm-thick, flexible, wide and resilient type, making it easy to use on smaller objects.

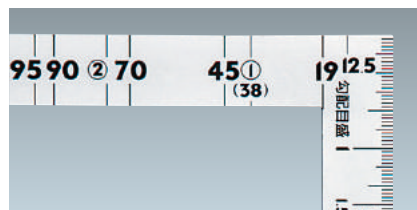


TWO-BY-FOUR (2x4)

p.20



Graduations suitable for 2x4 construction, with a variety of dimensions that are often used for 2x4 lumber.

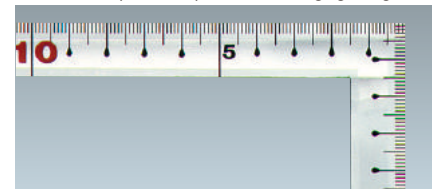


MAKIGANE

p.21



Since it is thicker than other carpenter's squares, it is less likely to deviate from the accuracy of right angles and is useful as a carpenter's square for checking right angles.



The difference between Polish Finish and Hard Chrome Finish

Surface finish differs. The polish finish is regular stainless steel while the hard chrome type has been given a matte finish to prevent glare and give the scale high readability.

Carpenter's Square Thick Corner Hard Chrome Finish

Item Code	Front	Corner/Cross Section	Back
10030			
10294			
10553			
10561			
10626			
10014			
10286			
10011			
10012			
10027			
10555			
10556			
10028			
34513			
34517			

Item Code	Description	Long Branch×Width×Thickness (Short Branch) (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
10030	50 cm JIS	520×15×1.4 (260)	91			
10294	30 cm JIS	320×15×1.4 (160)	60			
10553	1 shaku 5 sun	485×15×1.4 (242.5)	86			
10561	1 shaku 6 sun	520×15×1.4 (260)	91			
10626	1 shaku	320×15×1.4 (160)	60			
10014	50 cm with Square Scale NIHON ICHI JIS	520×15×1.4 (260)	91			
10286	30 cm with Square Scale JIS	320×15×1.4 (160)	60			
10588	1 shaku 5 sun with Square Scale TSURUKAME	485×15×1.4 (242.5)	86			
10596	1 shaku 6 sun with Square Scale TSURUKAME	520×15×1.4 (260)	91			
10618	1 shaku with Square Scale	323×15×1.4 (161.5)	60			
10011	50 cm/1 shaku 5 sun NIHON ICHI	520×15×1.4 (260)	91			
10012	50 cm/1 shaku 6 sun NIHON ICHI	520×15×1.4 (260)	91			
10027	30 cm/1 shaku	320×15×1.4 (160)	60			
10555	1 shaku 5 sun/50 cm TSURUKAME	520×15×1.4 (260)	91			
10556	1 shaku 6 sun/50 cm TSURUKAME	520×15×1.4 (260)	91			
10028	1 shaku/30 cm	320×15×1.4 (160)	60			
34513	H-1475 20"/45 cm *	520×15×1.4 (260)	91			
34517	H-1476 20" with Square Scale *	520×15×1.4 (260)	91			

Refer to P. 2 about the shaku scale
*Sold through Shinwa Measuring Tools Corp. only.

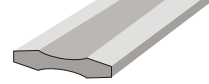
New catalog items English package With red numbers Japanese zodiac signs cm/shaku (Upper side (or Front) metric / Lower side (or Back) shaku) shaku/cm (Upper side (or Front) shaku / Lower side (or Back) metric) With magnet
 Optional JCSS certificate With non-slip pad With battery Lithium-ion battery Vial with luminous sheet With groove for slider With stopper With direction arrow Oil

Features

● Hard chrome finish (matte processed) on graduation to prevent glare and make it easy to see



● Easy-to-read, large scale marks
● Angled face prevents ink from bleeding while shape is designed to provide an easy grip



● Includes graduations for both metric and shaku, so each can be used as necessary
● Strong due to hardening process yet also has flexibility



Use

● For all types of inking, marking, and measuring right angles/length

Specifications

—: No scale SS: Square scale CS: Circle scale MS: Mortise scale

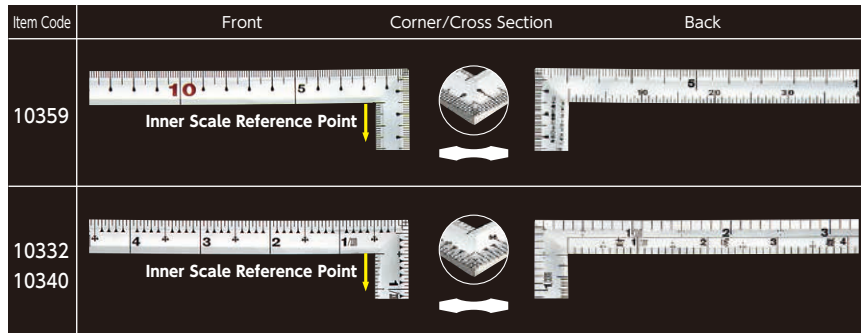
Item Code	10030	10294	10553	10561
Scale on Front Side	Outside	50 cm	30 cm	1 shaku 5 sun / 1 shaku 6 sun
	Inside	—	—	—
Scale on Back Side	Outside	25 cm	15 cm	7.5 sun / 8 sun
	Inside	—	—	—
Shape of Corner	Thick			
	Squareness			
Squareness		Less than 0.1 mm per 100 mm		
Length Tolerance		±0.2 mm		
Material		Stainless steel		

Item Code	10626	10014	10286	10588
Scale on Front Side	Outside	1 shaku	50 cm	30 cm
	Inside	—	—	—
Scale on Back Side	Outside	5 sun	25 cm	15 cm
	Inside	—	—	—
Shape of Corner	Thick			
	Squareness			
Squareness		Less than 0.1 mm per 100 mm		
Length Tolerance		±0.2 mm		
Material		Stainless steel		

Item Code	10596	10618	10011	10012	10027
Scale on Front Side	Outside	1 shaku 6 sun	1 shaku	50 cm	30 cm
	Inside	—	—	—	—
Scale on Back Side	Outside	8 sun	5 sun	25 cm	15 cm
	Inside	—	—	—	—
Shape of Corner	Thick				
	Squareness				
Squareness		Less than 0.1 mm per 100 mm			
Length Tolerance		±0.2 mm			
Material		Stainless steel			

Item Code	10555	10556	10028	34513	34517
Scale on Front Side	Outside	1 shaku 5 sun	1 shaku 6 sun	1 shaku	20"
	Inside	—	—	—	—
Scale on Back Side	Outside	7.5 sun	8 sun	5 sun	10"
	Inside	—	—	—	9"
Shape of Corner	Thick				
	Squareness				
Squareness		Less than 0.1 mm per 100 mm			
Length Tolerance		±0.2 mm			
Material		Stainless steel			

Carpenter's Square Thick Corner Hard Chrome Finish with Square Scale and Inside Scale UCHIPITA



Item Code	Description	Long Branch×Width×Thickness (Short Branch) (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
10359	50 cm NIHON ICHI JIS	520×15×1.4 (260)	91	4 960910 103597	10	
10332	1 shaku 5 sun TSURUKAME	485×15×1.4 (242.5)	86	4 960910 103320	10	
10340	1 shaku 6 sun TSURUKAME	520×15×1.4 (260)	91	4 960910 103405	10	

Refer to P. 2 about the shaku scale

Features

- Inner graduations based on the inner scale reference point are marked on short branch
- Hard chrome finish (matte processed) on graduation to prevent glare and make it easy to see
- Angled face prevents ink from bleeding while shape is designed to provide an easy grip
- Strong due to hardening process yet also has flexibility

Use

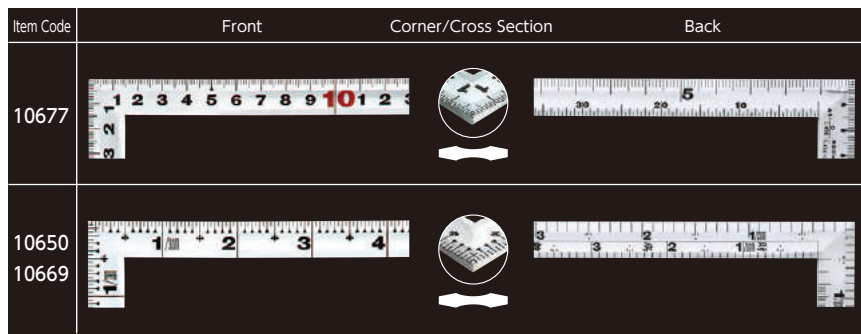
- For all types of inking, marking, and measuring right angles/length

Specifications

—: No scale SS: Square scale CS: Circle scale MS: Mortise scale

Item Code	10359	10332	10340	
Scale on Front Side	Outside	50 cm	1 shaku 5 sun	1 shaku 6 sun
	Inside	—		
Scale on Back Side	Outside	25 cm	7.5 sun	8 sun
	Inside	23 cm	7 sun	7.5 sun
Scale on Back Side	Outside	SS		
	Inside	CS MS	MS	
Scale on Back Side	Outside	25 cm	7.5 sun	8 sun
	Inside	—	CS	
Shape of Corner	Thick			
Squareness	Less than 0.1 mm per 100 mm			
Length Tolerance	±0.2 mm			
Material	Stainless steel			

Carpenter's Square Thick Corner Hard Chrome Finish for Left-hander



Item Code	Description	Long Branch×Width×Thickness (Short Branch) (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
10677	50 cm with Square Scale NIHON ICHI	520×15×1.4 (260)	91	4 960910 106772	10	
10650	1 shaku 5 sun with Square Scale TSURUKAME	485×15×1.4 (242.5)	86	4 960910 106505	10	
10669	1 shaku 6 sun with Square Scale TSURUKAME	520×15×1.4 (260)	91	4 960910 106697	10	

Refer to P. 2 about the shaku scale

Features

- For left-handed users
- Hard chrome finish (matte processed) on graduation to prevent glare and make it easy to see
- Angled face prevents ink from bleeding while shape is designed to provide an easy grip
- Strong due to hardening process yet also has flexibility

Use

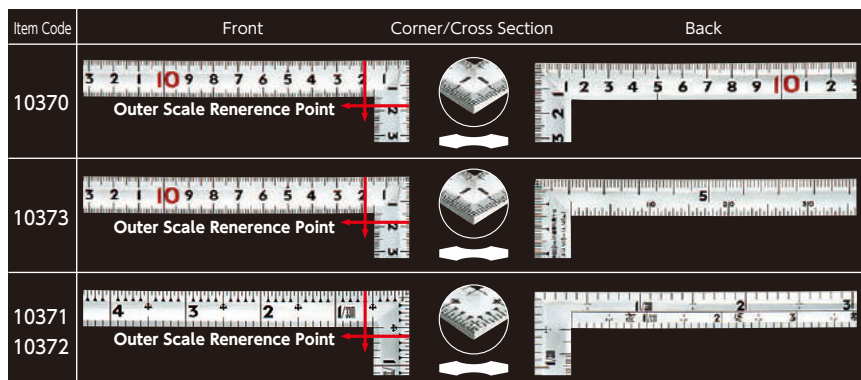
- For all types of inking, marking, and measuring right angles/length

Specifications

—: No scale SS: Square scale CS: Circle scale MS: Mortise scale

Item Code	10677	10650	10669	
Scale on Front Side	Outside	50 cm	1 shaku 5 sun	1 shaku 6 sun
	Inside	—		
Scale on Back Side	Outside	25 cm	7.5 sun	8 sun
	Inside	—		
Scale on Back Side	Outside	SS		
	Inside	CS MS	MS	
Scale on Back Side	Outside	25 cm	7.5 sun	8 sun
	Inside	—	CS	
Shape of Corner	Thick			
Squareness	Less than 0.1 mm per 100 mm			
Length Tolerance	±0.2 mm			
Material	Stainless steel			

Carpenter's Square Thick Corner Hard Chrome Finish with Inside Scales CHOUHOU



Item Code	Description	Long Branch×Width×Thickness (Short Branch) (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
10370	50 cm JIS	520×15×1.4 (260)	91	4 960910 103702	10	
10373	50 cm with Square Scale JIS	520×15×1.4 (260)	91	4 960910 103733	10	
10371	1 shaku 5 sun with Square Scale	485×15×1.4 (242.5)	86	4 960910 103719	10	
10372	1 shaku 6 sun with Square Scale	520×15×1.4 (260)	91	4 960910 103726	10	

Refer to P. 2 about the shaku scale

Features

- Inner graduations based on the outer scale reference point are marked on front side
- Hard chrome finish (matte processed) on graduation to prevent glare and make it easy to see
- Angled face prevents ink from bleeding while shape is designed to provide an easy grip
- Strong due to hardening process yet also has flexibility

Use

- For all types of inking, marking, and measuring right angles/length

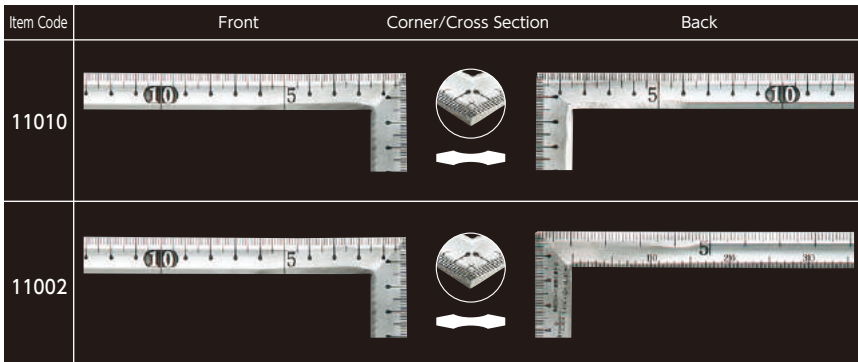
Specifications

—: No scale SS: Square scale CS: Circle scale MS: Mortise scale

Item Code	10370	10373	10371	10372
Scale on Front Side	Outside	50 cm	1 shaku 5 sun	1 shaku 6 sun
	Inside	45 cm	1 shaku	
Scale on Back Side	Outside	25 cm	7.5 sun	8 sun
	Inside	20 cm	7 sun	
Scale on Back Side	Outside	50 cm	SS	
	Inside	MS	CS MS	MS
Scale on Back Side	Outside	25 cm	7.5 sun	8 sun
	Inside	—	CS	
Shape of Corner	Thick			
Squareness	Less than 0.1 mm per 100 mm			
Length Tolerance	±0.2 mm			
Material	Stainless steel			

Carpenter's Squares
 Stainless Steel Rules / Machine Scale
 Aluminum Rules
 Resin Rules / Bamboo Rules
 Squares / Protractors
 Vernier Calipers / Micrometers
 Tape Measures
 Surveying Products
 Scales
 Levels
 Lasers / Optical Equipment
 Inlines / Chalklines / Plumblines
 Circular Saw Guides
 Construction Tools
 Industrial Tools
 Thermometers / Hygrometers / Scientific Measuring Instruments
 Outdoor Products
 Magnifying Glasses
 Drawing Tools
 Magnets

Carpenter's Square Thick Corner Polish Finish



Item Code	Description	Long Branch×Width×Thickness (Short Branch) (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
11010	50 cm JIS	520×15×1.4 (260)	91	4 960910 110106	10	V
11002	50 cm with Square Scale JIS	520×15×1.4 (260)	91	4 960910 110021	10	V

Features

- Angled face prevents ink from bleeding while shape is designed to provide an easy grip
- Strong due to hardening process yet also has flexibility

Use

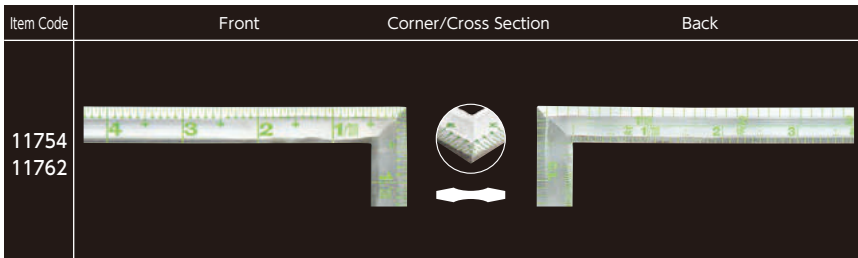
- For all types of inking, marking, and measuring right angles/length

Specifications

—: No scale SS: Square scale CS: Circle scale MS: Mortise scale

Item Code	11010	11002
Scale on Front Side	Outside	50 cm
	Inside	—
Scale on Back Side	Outside	25 cm
	Inside	—
Scale on Front Side	Outside	50 cm
	Inside	—
Scale on Back Side	Outside	25 cm
	Inside	—
Shape of Corner	Thick	
Squareness	Less than 0.1 mm per 100 mm	
Length Tolerance	±0.2 mm	
Material	Stainless steel	

Carpenter's Square Thick Corner Polish Finish Fluorescent



Item Code	Description	Long Branch×Width×Thickness (Short Branch) (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
11754	1 shaku 5 sun with Square Scale	485×15×1.4 (242.5)	86	4 960910 117549	10	V
11762	1 shaku 6 sun with Square Scale	520×15×1.4 (260)	91	4 960910 117624	10	V

Refer to P. 2 about the shaku scale

Features

- Easy to read even in the dark
- Angled face prevents ink from bleeding while shape is designed to provide an easy grip
- Strong due to hardening process yet also has flexibility

Use

- For all types of inking, marking, and measuring right angles/length

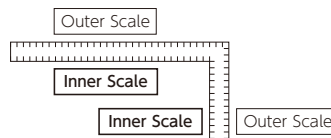
Specifications

—: No scale SS: Square scale CS: Circle scale MS: Mortise scale

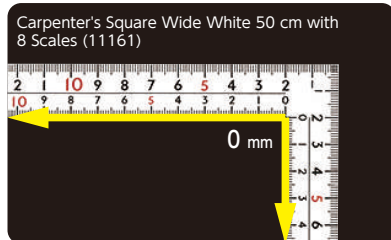
Item Code	11754	11762
Scale on Front Side	Outside	1 shaku 5 sun
	Inside	—
Scale on Back Side	Outside	7.5 sun
	Inside	—
Scale on Front Side	Outside	SS
	Inside	MS
Scale on Back Side	Outside	7.5 sun
	Inside	CS
Shape of Corner	Thick	
Squareness	Less than 0.1 mm per 100 mm	
Length Tolerance	±0.2 mm	
Material	Stainless steel	

Inner Scale Reference Point

The reference point (0 mm) of the inner graduations will differ depending on the carpenter's square type.

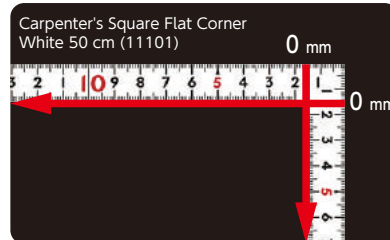


● From Inside



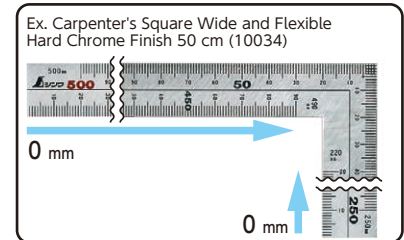
When the reference point (0 mm) of the inner graduations is on the inner side of the scale, this is called the Inner Scale Reference Point. The carpenter's square can be laid over the edge of the material for measurement.

● From outside



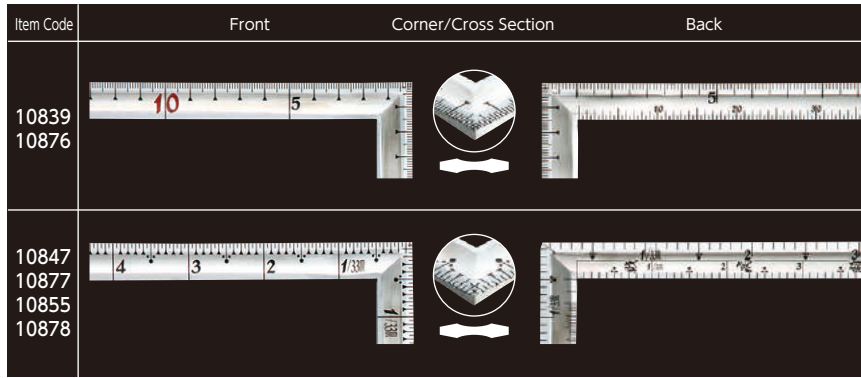
When the reference point (0 mm) of the inner graduations is on the outer side of the scale, this is called the Outer Scale Reference Point. The length of lines drawn along the outer graduations can be found out from the inner graduations.

● End Face Scale Reference Point



When the reference point (0 mm) of the inner graduations is on the end face of the scale, this is called the End Face Reference Point. Measurement from either the left or right branches as well as depth measurement is possible.

Carpenter's Square High Quality Thick Corner Hard Chrome Finish TAKUMI JINGORO



Item Code	Description	Long Branch×Width×Thickness (Short Branch) (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
10839	50 cm with Square Scale JIS	520×15×1.4 (260)	84	4 960910 108394	10	
10876	50 cm with Square Scale Flexible JIS	520×15×1.0 (260)	73	4 960910 108769		
10847	1 shaku 5 sun with Square Scale	485×15×1.4 (242.5)	80	4 960910 108479		
10877	1 shaku 5 sun with Square Scale Flexible	485×15×1.0 (242.5)	67	4 960910 108776		
10855	1 shaku 6 sun with Square Scale	520×15×1.4 (260)	84	4 960910 108554		
10878	1 shaku 6 sun with Square Scale Flexible	520×15×1.0 (260)	73	4 960910 108783		

Refer to P. 2 about the shaku scale

Features

- High-precision squareness
- Hand polished by master craftsmen
- Beautiful glossy finish on scale marks
- Packaged in high-quality raised fabric (10839/10847/10855)
- Thin and flexible (10876/10877/10878)
- Hard chrome finish (matte processed) on graduation to prevent glare and make it easy to see
- Angled face prevents ink from bleeding while shape is designed to provide an easy grip
- Strong due to hardening process yet also has flexibility

Use

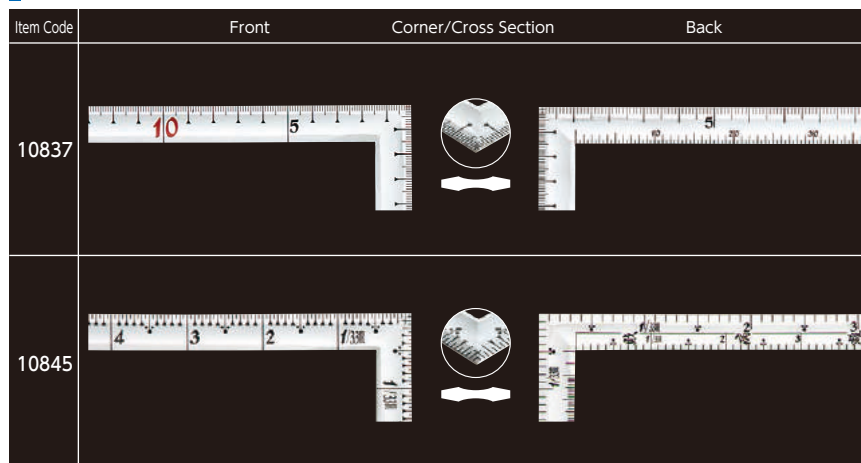
- For all types of inking, marking, and measuring right angles/length

Specifications

—: No scale SS: Square scale CS: Circle scale MS: Mortise scale

Item Code	10839	10876	10847	10877	10855	10878
Scale on Front Side	Outside	50 cm	1 shaku 5 sun	1 shaku 6 sun		
	Inside					
Scale on Back Side	Outside	25 cm	7.5 sun	8 sun		
	Inside					
Shape of Corner	CS MS		MS		CS	
	Outside	25 cm	7.5 sun	8 sun		
Squareness	Less than 0.06 mm per 100 mm					
	Length Tolerance ±0.2 mm					
Material	Stainless steel					

Carpenter's Square High Quality Thin Corner Hard Chrome Finish TAKUMI JINGORO



Item Code	Description	Long Branch×Width×Thickness (Short Branch) (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
10837	50 cm with Square Scale JIS	520×15×1.4 (260)	80	4 960910 108370	10	
10845	1 shaku 5 sun with Square Scale	485×15×1.4 (242.5)	76	4 960910 108455		

Refer to P. 2 about the shaku scale.

Features

- Thin corner aids precision marking
- High-precision squareness
- Hand polished by craftsmen
- Beautiful glossy finish on scale marks
- Packaged in high quality raised fabric
- Hard chrome finish on entire surface (matte processed)
- Angled face prevents ink from bleeding while shape is designed to provide an easy grip
- Strong due to hardening process yet also has flexibility

Use

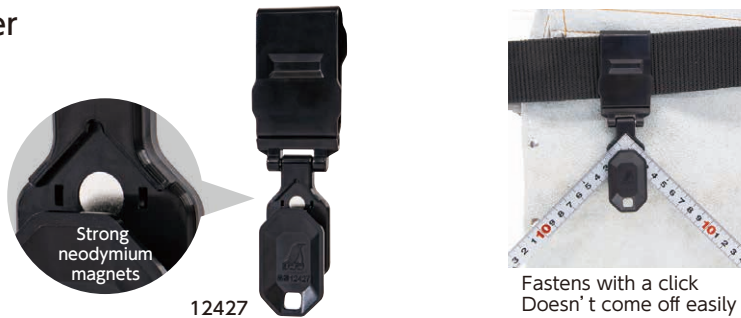
- For all types of inking, marking, and measuring right angles/length

Specifications

—: No scale SS: Square scale CS: Circle scale MS: Mortise scale

Item Code	10837	10845	
Scale on Front Side	Outside	50 cm	1 shaku 5 sun
	Inside		
Scale on Back Side	Outside	25 cm	7.5 sun
	Inside		
Shape of Corner	CS MS		MS
	Outside	25 cm	7.5 sun
Squareness	Less than 0.06 mm per 100 mm		
	Length Tolerance ±0.2 mm		
Material	Stainless steel		

Holder



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
12427	Carpenter's Square Holder with Magnet	140×43×19	30	4 960910 124271	6	

Features

- Easily attach and detach the square while working without shifting hands
- Uses a strong neodymium magnet so that the square fastens with a click and will not come off easily even crouching
- Features a belt holder that can be attached while wearing the belt
- With a hook hole for a safety cord. Square can be fitted into a holder with the safety cord attached (only for a square with a hole).
- Plate position can be changed according to square width

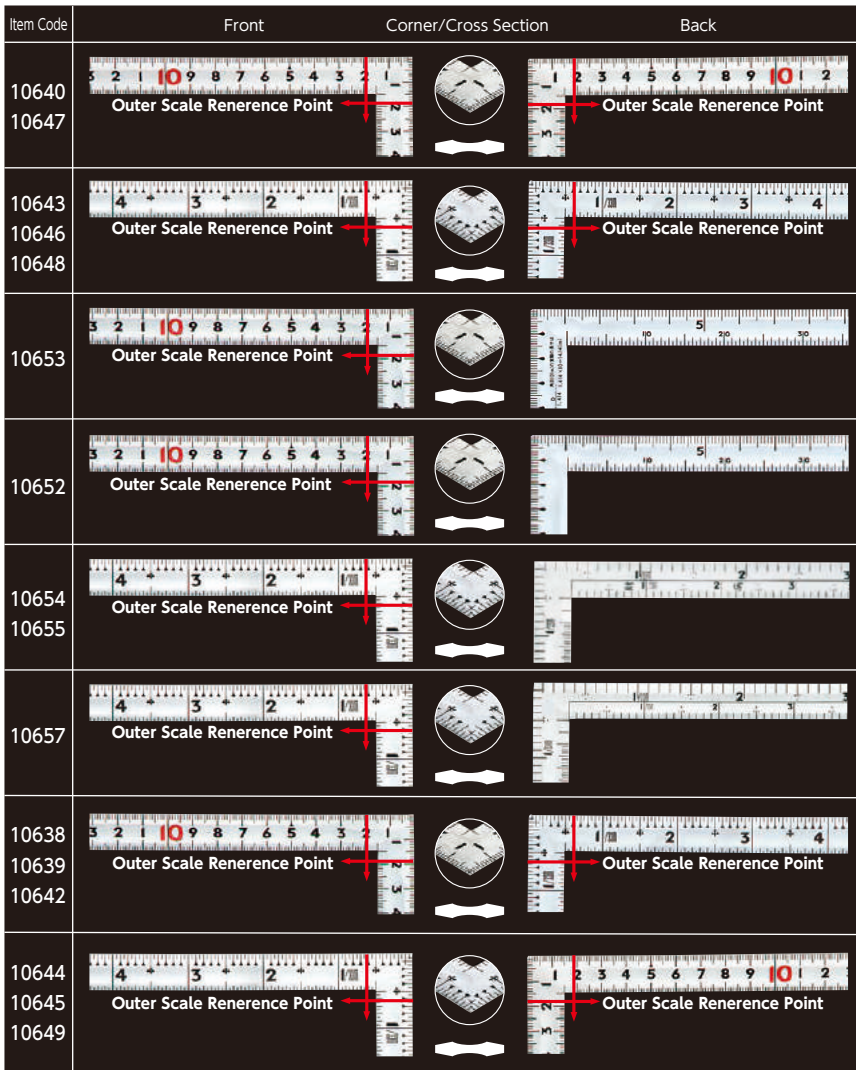
Use

- For carrying a square

Specifications

Attachable Belt Size	Width: Less than 50 mm Thickness: 2.5 - 5 mm
Supported Square Size	Width: 10 mm, 15 mm, 20 mm Thickness: Less than 2 mm
Material	Body: ABS resin Magnet: Neodymium

Carpenter's Square Flat Corner Hard Chrome Finish MEISAKU



Item Code	Description	Long Branch×Width×Thickness (Short Branch) (mm)	Weight (g)	JAN Code	Packing Unit	Package
10640	50 cm JIS	520×15×1.4 (260)	88	4 960910 106406	10	V
10647	30 cm JIS	320×15×1.4 (160)	56	4 960910 106475	10	V
10643	1 shaku 5 sun	485×15×1.4 (242.5)	86	4 960910 106437	10	V
10646	1 shaku 6 sun	520×15×1.4 (260)	88	4 960910 106468	10	V
10648	1 shaku	320×15×1.4 (160)	56	4 960910 106482	10	V
10653	50 cm with Square Scale JIS	520×15×1.4 (260)	88	4 960910 106536	10	V
10652	30 cm with Square Scale JIS	320×15×1.4 (160)	56	4 960910 106529	10	V
10654	1 shaku 5 sun with Square Scale	485×15×1.4 (242.5)	86	4 960910 106543	10	V
10655	1 shaku 6 sun with Square Scale	520×15×1.4 (260)	88	4 960910 106550	10	V
10657	1 shaku with Square Scale	323×15×1.4 (161.5)	56	4 960910 106574	10	V
10638	50 cm/1 shaku 5 sun	520×15×1.4 (260)	88	4 960910 106383	10	V
10639	50 cm/1 shaku 6 sun	520×15×1.4 (260)	88	4 960910 106390	10	V
10642	30 cm/1 shaku	320×15×1.4 (160)	56	4 960910 106420	10	V
10644	1 shaku 5 sun/50 cm	520×15×1.4 (260)	88	4 960910 106444	10	V
10645	1 shaku 6 sun/50 cm	520×15×1.4 (260)	88	4 960910 106451	10	V
10649	1 shaku/30 cm	320×15×1.4 (160)	56	4 960910 106499	10	V

Refer to P. 2 about the shaku scale

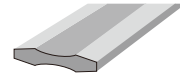
Features

- Inner graduations based on the outer scale reference point
- Hard chrome finish on entire surface (matte processed)



Hard chrome finish (matte processed)

- Angled face prevents ink from bleeding while shape is designed to provide an easy grip



- Includes graduations for both metric and shaku, so each can be used as necessary
- Strong due to hardening process yet also has flexibility

Use

- For all types of inking, marking, and measuring right angles/length

Specifications

—: No scale SS: Square scale CS: Circle scale MS: Mortise scale

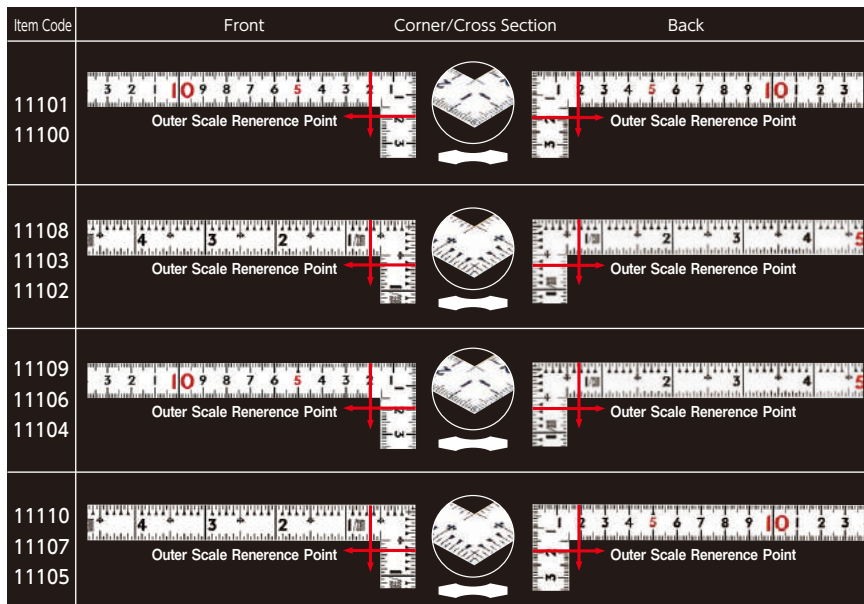
Item Code	10640	10647	10643	10646
Scale on Front Side	Long Branch Outside	50 cm	30 cm	1 shaku 5 sun 1 shaku 6 sun
	Short Branch Inside	45 cm	25 cm	1 shaku
Scale on Back Side	Long Branch Outside	25 cm	15 cm	7.5 sun 8 sun
	Short Branch Inside	20 cm	10 cm	7 sun
Scale on Back Side	Long Branch Outside	50 cm	30 cm	1 shaku 5 sun 1 shaku 6 sun
	Short Branch Inside	40 cm MS	20 cm MS	1 shaku MS
Scale on Back Side	Long Branch Outside	25 cm	15 cm	7.5 sun 8 sun
	Short Branch Inside	20 cm	10 cm	7 sun
Shape of Corner	Flat			
Squareness	Less than 0.1 mm per 100 mm			
Length Tolerance	±0.2 mm			
Material	Stainless steel			

Item Code	10648	10653	10652	10654	
Scale on Front Side	Long Branch Outside	1 shaku	50 cm	30 cm 1 shaku 5 sun	
	Short Branch Inside	7 sun	45 cm	25 cm 1 shaku	
Scale on Back Side	Long Branch Outside	5 sun	25 cm	15 cm 7.5 sun	
	Short Branch Inside	3 sun	20 cm	10 cm 7 sun	
Scale on Back Side	Long Branch Outside	1 shaku	SS		
	Short Branch Inside	7 sun MS	CS MS	CS	MS
Scale on Back Side	Long Branch Outside	5 sun	25 cm	15 cm	7.5 sun
	Short Branch Inside	3 sun	—	—	CS
Shape of Corner	Flat				
Squareness	Less than 0.1 mm per 100 mm				
Length Tolerance	±0.2 mm				
Material	Stainless steel				

Item Code	10655	10657	10638	10639
Scale on Front Side	Long Branch Outside	1 shaku 6 sun	1 shaku	50 cm
	Short Branch Inside	1 shaku	7 sun	45 cm
Scale on Back Side	Long Branch Outside	8 sun	5 sun	25 cm
	Short Branch Inside	7 sun	3 sun	20 cm
Scale on Back Side	Long Branch Outside	SS		1 shaku 5 sun 1 shaku 6 sun
	Short Branch Inside	MS	1 shaku	1 shaku MS
Scale on Back Side	Long Branch Outside	8 sun	5 sun	7.5 sun 8 sun
	Short Branch Inside	CS		7 sun
Shape of Corner	Flat			
Squareness	Less than 0.1 mm per 100 mm			
Length Tolerance	±0.2 mm			
Material	Stainless steel			

Item Code	10642	10644	10645	10649
Scale on Front Side	Long Branch Outside	30 cm	1 shaku 5 sun 1 shaku 6 sun	1 shaku
	Short Branch Inside	25 cm	1 shaku	7 sun
Scale on Back Side	Long Branch Outside	15 cm	7.5 sun 8 sun	5 sun
	Short Branch Inside	10 cm	7 sun	3 sun
Scale on Back Side	Long Branch Outside	1 shaku	50 cm	30 cm
	Short Branch Inside	7 sun MS	40 cm MS	20 cm MS
Scale on Back Side	Long Branch Outside	5 sun	25 cm	15 cm
	Short Branch Inside	3 sun	20 cm	10 cm
Shape of Corner	Flat			
Squareness	Less than 0.1 mm per 100 mm			
Length Tolerance	±0.2 mm			
Material	Stainless steel			

Carpenter's Square Flat Corner White MEISAKU



Item Code	Description	Long BranchxWidthxThickness (Short Branch)	Weight (g)	JAN Code	Packing Unit	Packaging
11101	50 cm	520x15x1.4 (260)	105	4 960910 111011	10	
11100	30 cm	320x15x1.4 (160)	65	4 960910 111004		
11108	1 shaku 5 sun	485x15x1.4 (242.5)	100	4 960910 111080		
11103	1 shaku 6 sun	520x15x1.4 (260)	105	4 960910 111035		
11102	1 shaku	320x15x1.4 (160)	65	4 960910 111028		
11109	50 cm/1 shaku 5 sun	520x15x1.4 (260)	105	4 960910 111097		
11106	50 cm/1 shaku 6 sun	520x15x1.4 (260)	105	4 960910 111066		
11104	30 cm/1 shaku	320x15x1.4 (160)	65	4 960910 111042		
11110	1 shaku 5 sun/50 cm	520x15x1.4 (260)	105	4 960910 111103		
11107	1 shaku 6 sun/50 cm	520x15x1.4 (260)	105	4 960910 111073		
11105	1 shaku/30 cm	320x15x1.4 (160)	65	4 960910 111059		

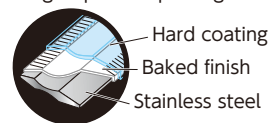
Refer to P. 2 about the shaku scale

Features

● Easy-to-read black scale on white background



● Hard coating to prevent peeling



● Angled face prevents ink from bleeding while shape is designed to provide an easy grip
 ● Strong due to hardening process yet also has flexibility

Use

● For all types of inking, marking, and measuring right angles/length

Specifications

—: No scale SS: Square scale CS: Circle scale MS: Mortise scale

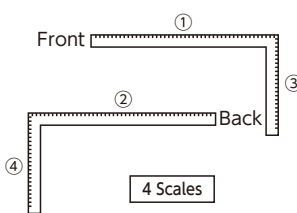
Item Code	11101	11100	11108	11103
Scale on Front Side	Outside	50 cm	30 cm	1 shaku 5 sun 1 shaku 6 sun
	Inside	45 cm	30 cm	1 shaku 3 sun
Scale on Back Side	Outside	25 cm	15 cm	7.5 sun 8 sun
	Inside	20 cm	10 cm	7 sun
Scale on Front Side	Outside	50 cm	30 cm	1 shaku 5 sun 1 shaku 6 sun
	Inside	40 cm MS	20 cm MS	1 shaku 2 sun MS 1 shaku 3 sun MS
Scale on Back Side	Outside	25 cm	15 cm	7.5 sun 8 sun
	Inside	20 cm	10 cm	7 sun
Shape of Corner	Flat			
Squareness	Less than 0.1 mm per 100 mm			
Length Tolerance	±0.4 mm	±0.3 mm	±0.4 mm	±0.4 mm
Material	Stainless steel			

Item Code	11102	11109	11106	11104
Scale on Front Side	Outside	1 shaku	50 cm	30 cm
	Inside	7 sun	45 cm	30 cm
Scale on Back Side	Outside	5 sun	25 cm	15 cm
	Inside	4 sun	20 cm	10 cm
Scale on Front Side	Outside	1 shaku	1 shaku 5 sun	1 shaku 6 sun
	Inside	7 sun MS	1 shaku 2 sun MS	1 shaku 3 sun MS
Scale on Back Side	Outside	5 sun	7.5 sun	8 sun
	Inside	4 sun	7 sun	4 sun
Shape of Corner	Flat			
Squareness	Less than 0.1 mm per 100 mm			
Length Tolerance	±0.3 mm	±0.4 mm	±0.4 mm	±0.3 mm
Material	Stainless steel			

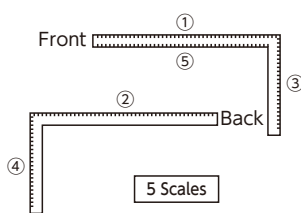
Item Code	11110	11107	11105
Scale on Front Side	Outside	1 shaku 5 sun	1 shaku 6 sun
	Inside	1 shaku 3 sun	7 sun
Scale on Back Side	Outside	7.5 sun	8 sun
	Inside	7 sun	4 sun
Scale on Front Side	Outside	50 cm	30 cm
	Inside	40 cm MS	20 cm MS
Scale on Back Side	Outside	25 cm	15 cm
	Inside	20 cm	10 cm
Shape of Corner	Flat		
Squareness	Less than 0.1 mm per 100 mm		
Length Tolerance	±0.4 mm	±0.3 mm	±0.3 mm
Material	Stainless steel		

Graduation rows on wide and large squares

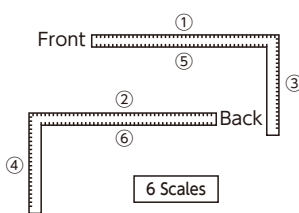
● 4 types are available: 4-scale, 5-scale, 6-scale and 8-scale. Rows will differ due to the scale location on the long branch (long part) and the short branch (short part) of the carpenter's square.



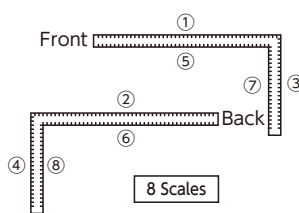
4 Scales
Scales in 4 places including the outer scale of the long branch (front/back) and the outer scale of the short branch (front/back)



5 Scales
Scales in 5 places including the outer scale (front/back) and inner scale (front side) of the long branch, and the outer scale of the short branch (front/back)



6 Scales
Scales in 6 places including the outer and inner scales of the long branch (front/back) and the outer scale of the short branch (front/back)



8 Scales
Scales in 8 places including the outer and inner scales of the long branch (front/back) and the outer scale and inner scales of the short branch (front/back)

● On squares with few scales the marks are larger for higher readability, while squares with many scales have many graduations for greater breadth of use.

Carpenter's Square Wide Hard Chrome Finish ATSUDEHIROHABA



Item Code	Description	Long Branch/Width×Thickness (Short Branch) (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
10405	50 cm with 6 Scales JIS Red	520×20×2.0 (260)	240	4 960910 104051	10	V
32580	50 cm with 6 Scales JIS En Red	520×20×2.0 (260)	240	4 960910 325807		
11487	50 cm with 4 Scales JIS Red	520×20×2.0 (260)	240	4 960910 114876		
11481	50 cm with 8 Scales JIS Red	520×20×2.0 (260)	240	4 960910 114814		
32589	50 cm with 8 Scales JIS En Red	520×20×2.0 (260)	240	4 960910 325890		
10450	50 cm with 8 Scales cm Notation JIS Red	520×20×2.0 (260)	240	4 960910 104501		
10421	30 cm with 8 Scales JIS Red	320×20×2.0 (160)	144	4 960910 104211		
32587	30 cm with 8 Scales JIS En Red	320×20×2.0 (160)	144	4 960910 325876		
10451	30 cm with 8 Scales cm Notation JIS Red	320×20×2.0 (160)	144	4 960910 104518		
10424	15 cm with 8 Scales cm Notation	170×20×2.0 (85)	72.5	4 960910 104242		
32590	15 cm with 8 Scales cm Notation En	170×20×2.0 (85)	72.5	4 960910 325906		
10456	1 shaku 6 sun with 4 Scales	520×20×2.0 (260)	240	4 960910 104563		
10464	1 shaku with 4 Scales	320×20×2.0 (160)	144	4 960910 104648		
10414	50 cm/1 shaku 6 sun with 5 Scales Red En	520×20×2.0 (260)	240	4 960910 104143		

Refer to P. 2 about the shaku scale

Carpenter's Square Wide White ATSUDEHIROHABA

Item Code	Description	Long Branch/Width×Thickness (Short Branch) (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
11161	50 cm with 8 Scales Red	520×20×2.0 (260)	242	4 960910 111615	10	V
11160	30 cm with 8 Scales Red	320×20×2.0 (160)	147	4 960910 111608		

NEW New catalog items **En** English package **Red** With red numbers **12** Japanese zodiac signs **cm/shaku** (Upper side for Front metric / Lower side for Back shaku) **shaku/cm** (Upper side for Front shaku / Lower side for Back metric) **U** With magnet
CAL Optional JCSC certificate **OS** With non-slip pad **B** With battery **Li** Lithium-ion battery **VS** Vial with luminous sheet **U** With groove for slider **STOP** With stopper **→** With direction arrow **Oil**

Features

- Heavy-duty
- Suitable for ironwork or engineering work
- Graduations marked on every edge (8-scale models)
- Strap hole on 10424, 10421, 10451
- Hard chrome finish on entire surface (matte processed)



Use

- For all types of inking, marking, and measuring right angles/length

Specifications

—: No scale SS: Square scale CS: Circle scale MS: Mortise scale

Item Code	10405	32580	11487	11481	32589	10450
Scale on Front Side	Long Branch	50 cm				
	Short Branch	45 cm	—	45 cm	—	—
Scale on Back Side	Long Branch	50 cm				
	Short Branch	45 cm	—	45 cm	—	—
Shape of Corner	Flat					
	Squareness	Less than 0.1 mm per 100 mm				
Length Tolerance	±0.2 mm					
Material	Stainless steel					

Item Code	10421	32587	10451	10424	32590
Scale on Front Side	Long Branch	30 cm	—	15 cm	—
	Short Branch	25 cm	—	10 cm	—
Scale on Back Side	Long Branch	15 cm	—	7.5 cm	—
	Short Branch	10 cm	—	5 cm	—
Shape of Corner	Flat				
	Squareness	Less than 0.1 mm per 100 mm			
Length Tolerance	±0.2 mm				
Material	Stainless steel				

Item Code	10456	10464	10414	
Scale on Front Side	Long Branch	1 shaku 6 sun	1 shaku	50 cm
	Short Branch	—	—	45 cm
Scale on Back Side	Long Branch	8 sun	5 sun	25 cm
	Short Branch	—	—	—
Shape of Corner	Flat			
	Squareness	Less than 0.1 mm per 100 mm		
Length Tolerance	±0.2 mm			
Material	Stainless steel			

Features

- Easy-to-read black scale on white background
- Hard coating to prevent peeling
- Heavy-duty
- Suitable for ironwork or engineering work
- Graduations marked on all 8 edges
- Strap hole on 11160

Use

- For all types of inking, marking, and measuring right angles/length

Specifications

—: No scale SS: Square scale CS: Circle scale MS: Mortise scale

Item Code	11161	11160
Scale on Front Side	Long Branch	50 cm
	Short Branch	45 cm
Scale on Back Side	Long Branch	30 cm
	Short Branch	25 cm
Shape of Corner	Flat	
	Squareness	Less than 0.1 mm per 100 mm
Length Tolerance	±0.4 mm	
Material	Stainless steel	

Carpenter's Square Wide Polish Finish

Item Code	Front	Corner/Cross Section	Back
11207			
11215			

Item Code	Description	Long Branch×Width×Thickness (Short Branch)	Weight (g)	JAN Code	Packing Unit	Packaging
11207	50 cm with 6 Scales JIS	520×20×2.0 (260)	240	4 960910 112070	10	
11215	30 cm with 8 Scales JIS	320×20×2.0 (160)	144	4 960910 112155		

Features

- Heavy-duty
- Suitable for ironwork or engineering work
- Graduations marked on every edge (8-scale models)
- Strap hole on 11215

Use

- For all types of inking, marking, and measuring right angles/length

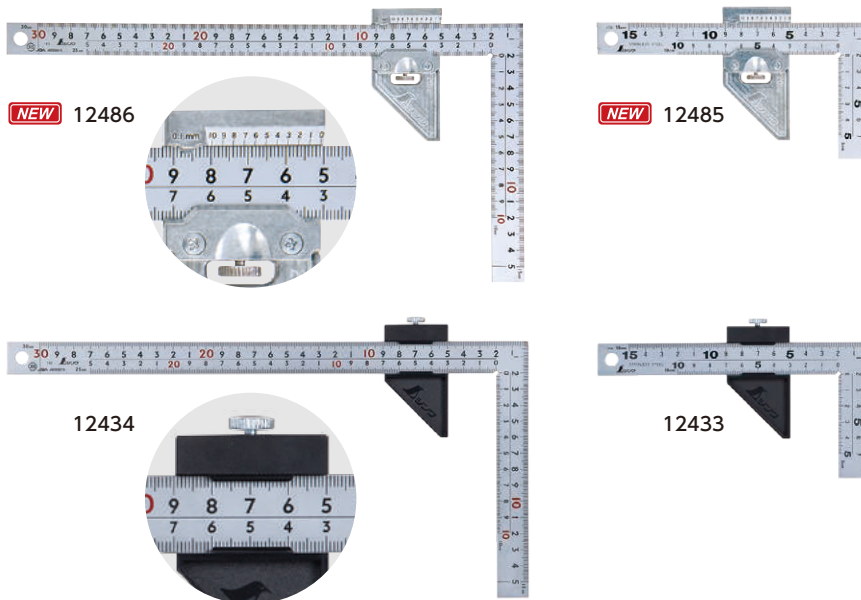
Specifications

--: No scale SS: Square scale CS: Circle scale MS: Mortise scale

Item Code	11207	11215	
Scale on front Side	Outside	50 cm	30 cm
	Inside	45 cm	25 cm
	Outside	25 cm	15 cm
	Inside	-	10 cm
Scale on back Side	Outside	50 cm	30 cm
	Inside	45 cm	25 cm
	Outside	25 cm	15 cm
	Inside	-	10 cm
Shape of Corner	Flat		
Squareness	Less than 0.1 mm per 100 mm		
Length Tolerance	±0.2 mm		
Material	Stainless steel		

Carpenter's Square Wide Hard Chrome Finish with Stopper ATSUDEHIROHABA

Item Code	Front	Corner/Cross Section	Back
12486 12434			
12485 12433			



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
12486	Metal Body 30 cm with 8 Scales JIS	320×170×12	233	4 960910 124868	5	
12485	Metal Body 15 cm with 8 Scales	170×90×12	162	4 960910 124851	1	
12434	ABS Resin 30 cm with 8 Scales JIS	320×177×14	162	4 960910 124349	5	
12433	ABS Resin 15 cm with 8 Scales	170×100×14	89.5	4 960910 124332	1	

Features

- Wide carpenter's square and stopper enables a long scribed line to be drawn without slipping
- Can be mounted upside down to measure height
- Can clamp on object to measure sheet thickness and diameter
- Measuring a scribed line is possible using the carpenter's square graduations
- Easily draw a 45° scribed line by changing the position of the stopper
- Wide carpenter's square stopper securely fits against the material, so a stable scribed line can be drawn even on a chamfered surface.
- Square Stopper Metal Body and Carpenter's Square Wide
 - Made of metal that is highly resistant to impact, wear, and heat
 - Vernier scale allows for fine measurements in 0.1 mm increments
- Carpenter's Square Wide
 - All eight sides have graduations
 - Long branch has a hole for a strap
 - Hard chrome finish on entire surface (matte processed)

Use

- For marking or measuring sheet thickness and diameter

Specifications

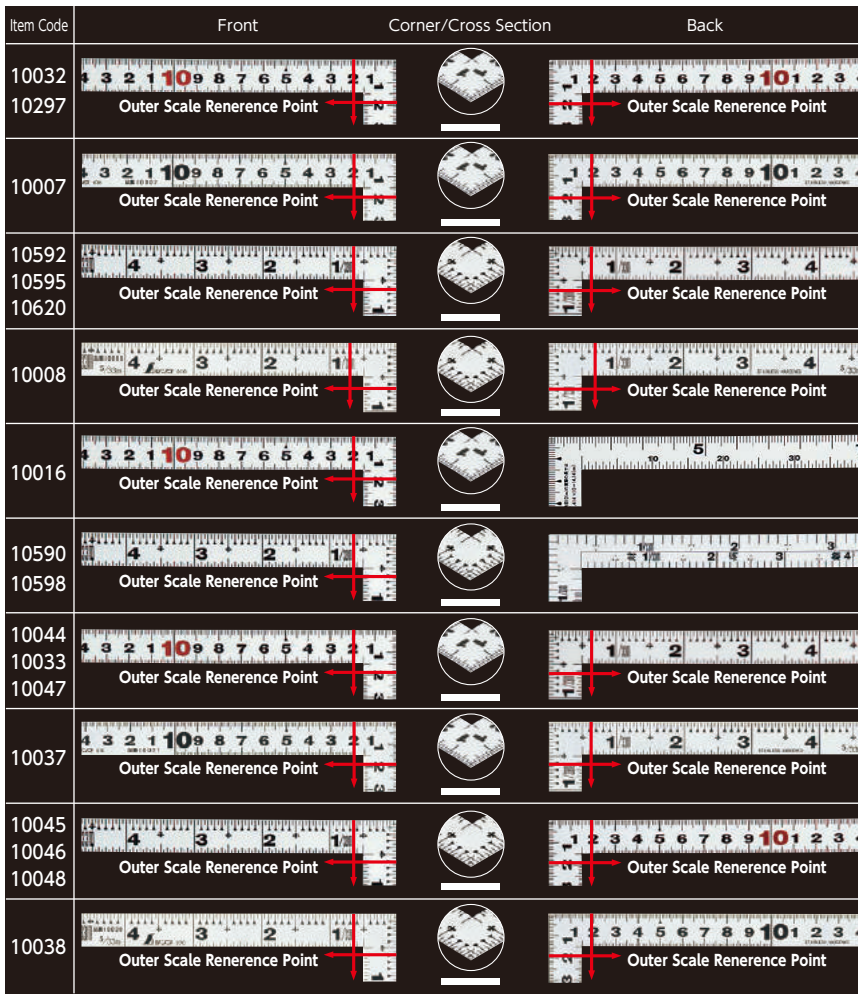
--: No scale SS: Square scale CS: Circle scale MS: Mortise scale

Item Code	12486	12485	12434	12433	
Carpenter's Square					
Scale on front Side	Outside	30 cm	15 cm	30 cm	15 cm
	Inside	25 cm	10 cm	25 cm	10 cm
	Outside	15 cm	7.5 cm	15 cm	7.5 cm
	Inside	10 cm	5 cm	10 cm	5 cm
Scale on back Side	Outside	30 cm	15 cm	30 cm	15 cm
	Inside	25 cm	10 cm	25 cm	10 cm
	Outside	15 cm	7.5 cm	15 cm	7.5 cm
	Inside	10 cm	5 cm	10 cm	5 cm
Shape of Corner	Flat				
Squareness	Less than 0.1 mm per 100 mm				
Length Tolerance	±0.2 mm				
Material	Stainless steel				
Square Stopper					
Supported Carpenter's Square Sizes	Thickness: 2 mm Width: 20 mm				
Angle Tolerance* of Stopper	Less than 0.2 mm per 100 mm				
Material	Body: Zinc Screw: Iron Leaf Spring: Bronze		Body: ABS resin Screw: Iron Leaf Spring: Bronze		

*Accuracy of the carpenter's square stopper itself. Accuracy will change depending on the carpenter's square used.

Carpenter's Squares
 Stainless Steel Rules / Machine Scale
 Aluminum Rules
 Resin Rules / Bamboo Rules
 Squares / Protractors
 Vernier Calipers / Micrometers
 Tape Measures
 Surveying Products
 Scales
 Levels
 Lasers / Optical Equipment
 Inklines / Chalklines / Plumblines
 Circular Saw Guides
 Construction Tools
 Industrial Tools
 Thermometers / Hygrometers / Scales / Measuring Instruments
 Outdoor Products
 Magnifying Glasses
 Drawing Tools
 Magnets

Carpenter's Square Flat Hard Chrome Finish HIRAPITA




Item Code	Description	Long Branch x Width x Thickness (Short Branch)	Weight (g)	JAN Code	Packing Unit	Package
10032	50 cm JIS	520×15×1.0 (260)	87	4 960910 100329	10	V
10297	30 cm JIS	320×15×1.0 (160)	55	4 960910 102972	10	V
10007	15 cm	160×15×1.0 (80)	26	4 960910 100077	10	V
10592	1 shaku 5 sun	485×15×1.0 (242.5)	82	4 960910 105928	10	V
10595	1 shaku 6 sun	520×15×1.0 (260)	87	4 960910 105959	10	V
10620	1 shaku	320×15×1.0 (160)	55	4 960910 106208	10	V
10008	5 sun	160×15×1.0 (80)	26	4 960910 100084	10	V
10016	50 cm with Square Scale JIS	520×15×1.0 (260)	87	4 960910 100169	10	V
10590	1 shaku 5 sun with Square Scale	485×15×1.0 (242.5)	82	4 960910 105904	10	V
10598	1 shaku 6 sun with Square Scale	520×15×1.0 (260)	87	4 960910 105980	10	V
10044	50 cm/1 shaku 5 sun	520×15×1.0 (260)	87	4 960910 100442	10	V
10033	50 cm/1 shaku 6 sun	520×15×1.0 (260)	87	4 960910 100336	10	V
10047	30 cm/1 shaku	320×15×1.0 (160)	55	4 960910 100473	10	V
10037	15 cm/5 sun	160×15×1.0 (80)	26	4 960910 100374	10	V
10045	1 shaku 5 sun/50 cm	520×15×1.0 (260)	87	4 960910 100459	10	V
10046	1 shaku 6 sun/50 cm	520×15×1.0 (260)	87	4 960910 100466	10	V
10048	1 shaku/30 cm	320×15×1.0 (160)	55	4 960910 100480	10	V
10038	5 sun/15 cm	160×15×1.0 (80)	26	4 960910 100381	10	V

Refer to P. 2 about the shaku scale

NEW New catalog items **En** English package **Red** With red numbers **12** Japanese zodiac signs **cm/shaku** (Upper side (or Front) metric / Lower side (or Back) shaku) **shaku/cm** (Upper side (or Front) shaku / Lower side (or Back) metric) **U** With magnet
CAL Optional JCSC certificate **NS** With non-slip pad **B** With battery **Li** Lithium-ion battery **L** Vial with luminous sheet **G** With groove for slider **S** With stopper **D** With direction arrow **O** Oil

Features

- Thin, flat surface makes it easy to use on smaller objects
 - Includes inner graduations based on the outer scale reference point
 - Hard chrome finish on entire surface (matte processed)
- 
- Hard chrome finish (matte processed)
- Has flexibility due to heat treatment

Use

- For all types of inking, marking, and measuring right angles/length

Specifications

—: No scale SS: Square scale CS: Circle scale MS: Mortise scale

Item Code	10032	10297	10007	10592
Scale on Front Side	Long Branch	50 cm	30 cm	15 cm
	Short Branch	1 shaku 5 sun	1 shaku	5 sun
	Outside	45 cm	25 cm	10 cm
	Inside	25 cm	15 cm	7.5 cm
Scale on Back Side	Long Branch	50 cm	30 cm	15 cm
	Short Branch	1 shaku 5 sun	1 shaku	5 sun
	Outside	25 cm	15 cm	7.5 cm
	Inside	20 cm	10 cm	7 cm
Shape of Corner	Flat			
Squareness	Less than 0.1 mm per 100 mm			
Length Tolerance	±0.2 mm			
Material	Stainless steel			

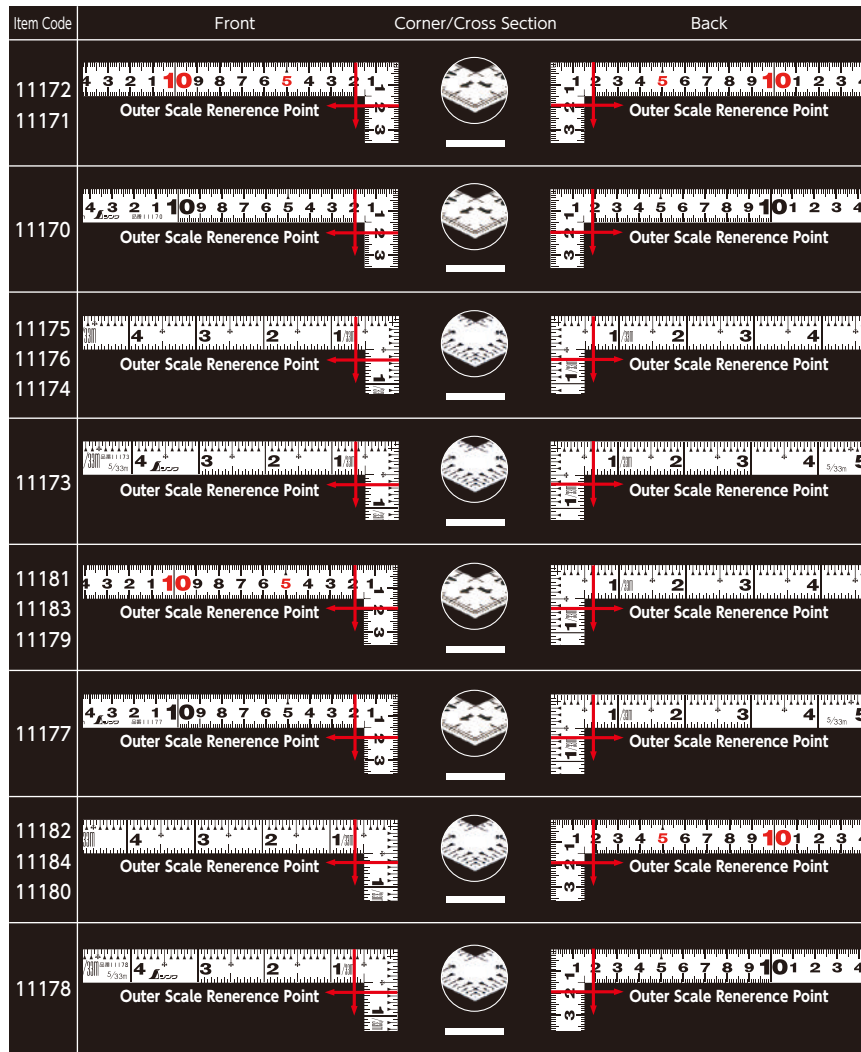
Item Code	10595	10620	10008	10016
Scale on Front Side	Long Branch	1 shaku 6 sun	1 shaku	5 sun
	Short Branch	1 shaku	7 sun	3 sun
	Outside	8 sun	5 sun	2.5 sun
	Inside	7 sun	3 sun	2 sun
Scale on Back Side	Long Branch	1 shaku 6 sun	1 shaku	5 sun
	Short Branch	1 shaku	7 sun	3 sun
	Outside	8 sun	5 sun	2.5 sun
	Inside	7 sun	3 sun	2 sun
Shape of Corner	Flat			
Squareness	Less than 0.1 mm per 100 mm			
Length Tolerance	±0.2 mm			
Material	Stainless steel			

Item Code	10590	10598	10044	10033
Scale on Front Side	Long Branch	1 shaku 5 sun	1 shaku 6 sun	50 cm
	Short Branch	1 shaku	7 sun	42 cm
	Outside	7.5 sun	8 sun	25 cm
	Inside	7 sun	7 sun	20 cm
Scale on Back Side	Long Branch	SS	1 shaku 5 sun	1 shaku 6 sun
	Short Branch	MS	1 shaku	1 shaku
	Outside	7.5 sun	8 sun	7.5 sun
	Inside	CS	7 sun	7 sun
Shape of Corner	Flat			
Squareness	Less than 0.1 mm per 100 mm			
Length Tolerance	±0.2 mm			
Material	Stainless steel			

Item Code	10047	10037	10045
Scale on Front Side	Long Branch	30 cm	15 cm
	Short Branch	1 shaku	5 sun
	Outside	25 cm	10 cm
	Inside	15 cm	7.5 cm
Scale on Back Side	Long Branch	30 cm	15 cm
	Short Branch	1 shaku	5 sun
	Outside	25 cm	10 cm
	Inside	15 cm	7.5 cm
Shape of Corner	Flat		
Squareness	Less than 0.1 mm per 100 mm		
Length Tolerance	±0.2 mm		
Material	Stainless steel		

Item Code	10046	10048	10038
Scale on Front Side	Long Branch	1 shaku 6 sun	1 shaku
	Short Branch	1 shaku	5 sun
	Outside	8 sun	5 sun
	Inside	7 sun	3 sun
Scale on Back Side	Long Branch	50 cm	30 cm
	Short Branch	40 cm	25 cm
	Outside	25 cm	15 cm
	Inside	20 cm	10 cm
Shape of Corner	Flat		
Squareness	Less than 0.1 mm per 100 mm		
Length Tolerance	±0.2 mm		
Material	Stainless steel		

Carpenter's Square Flat White HIRAPITA

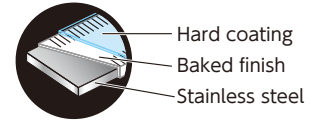


Item Code	Description	Long Branch×Width×Thickness (Short Branch) (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
11172	50 cm	520×15×1.0 (260)	90	4 960910 111721	10	
11171	30 cm	320×15×1.0 (160)	54	4 960910 111714	10	
11170	15 cm	160×15×1.0 (80)	26	4 960910 111707	10	
11175	1 shaku 5 sun	485×15×1.0 (242.5)	85	4 960910 111752	10	
11176	1 shaku 6 sun	520×15×1.0 (260)	90	4 960910 111769	10	
11174	1 shaku	320×15×1.0 (160)	54	4 960910 111745	10	
11173	5 sun	160×15×1.0 (80)	26	4 960910 111738	10	
11181	50 cm/1 shaku 5 sun	520×15×1.0 (260)	90	4 960910 111813	10	
11183	50 cm/1 shaku 6 sun	520×15×1.0 (260)	90	4 960910 111837	10	
11179	30 cm/1 shaku	320×15×1.0 (160)	54	4 960910 111790	10	
11177	15 cm/5 sun	160×15×1.0 (80)	26	4 960910 111776	10	
11182	1 shaku 5 sun/50 cm	520×15×1.0 (260)	90	4 960910 111820	10	
11184	1 shaku 6 sun/50 cm	520×15×1.0 (260)	90	4 960910 111844	10	
11180	1 shaku/30 cm	320×15×1.0 (160)	54	4 960910 111806	10	
11178	5 sun/15 cm	160×15×1.0 (80)	26	4 960910 111783	10	

Refer to P. 2 about the shaku scale

Features

- Easy-to-read black scale on white background
- Hard coating to prevent peeling



- Thin, flat surface makes it easy to use on smaller objects
- Inner graduations based on the outer scale reference point
- Rounded corners to protect clothing and pockets from damage



- Has flexibility due to heat treatment

Use

- For all types of inking, marking, and measuring right angles/length

Specifications

--: No scale SS: Square scale CS: Circle scale MS: Mortise scale

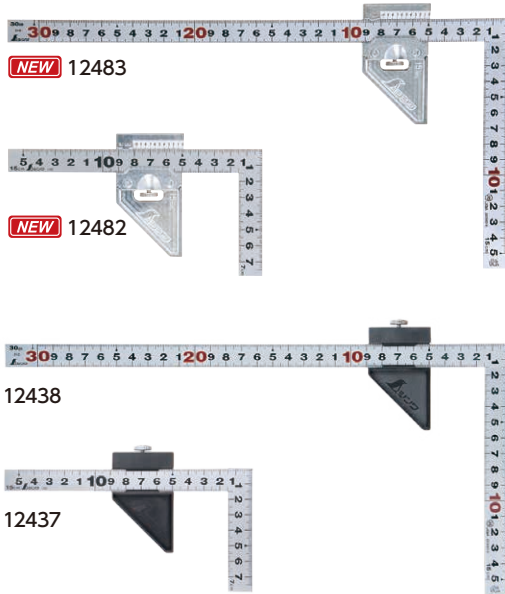
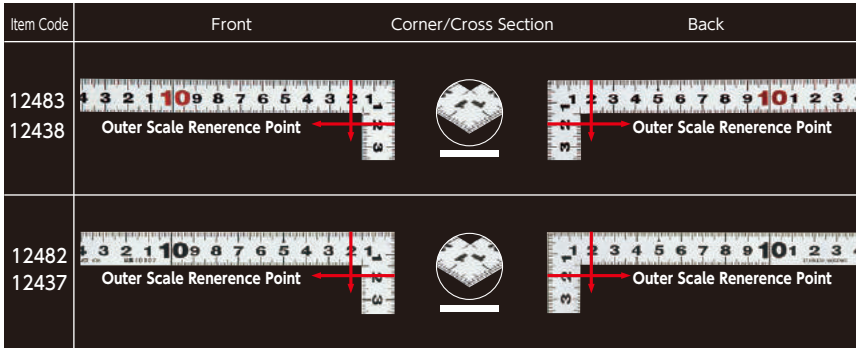
Item Code	11172	11171	11170	11175
Scale on Front Side	Outside	50 cm	30 cm	15 cm
	Inside	45 cm	30 cm	10 cm
Scale on Back Side	Outside	25 cm	15 cm	7.5 cm
	Inside	20 cm	10 cm	7 sun
Shape of Corner	Flat			
	Squareness	Less than 0.1 mm per 100 mm		
Length Tolerance	±0.4 mm	±0.3 mm	±0.4 mm	
Material	Stainless steel			

Item Code	11176	11174	11173	11181
Scale on Front Side	Outside	1 shaku 6 sun	1 shaku	5 sun
	Inside	1 shaku 3 sun	7 sun	3 sun
Scale on Back Side	Outside	8 sun	5 sun	2.5 sun
	Inside	7 sun	4 sun	2 sun
Shape of Corner	Flat			
	Squareness	Less than 0.1 mm per 100 mm		
Length Tolerance	±0.4 mm	±0.3 mm	±0.4 mm	
Material	Stainless steel			

Item Code	11183	11179	11177	11182
Scale on Front Side	Outside	50 cm	30 cm	15 cm
	Inside	45 cm	30 cm	10 cm
Scale on Back Side	Outside	25 cm	15 cm	7.5 cm
	Inside	20 cm	10 cm	7 sun
Shape of Corner	Flat			
	Squareness	Less than 0.1 mm per 100 mm		
Length Tolerance	±0.4 mm	±0.3 mm	±0.4 mm	
Material	Stainless steel			

Item Code	11184	11180	11178
Scale on Front Side	Outside	1 shaku 6 sun	1 shaku
	Inside	1 shaku 3 sun	7 sun
Scale on Back Side	Outside	8 sun	5 sun
	Inside	7 sun	4 sun
Shape of Corner	Flat		
	Squareness	Less than 0.1 mm per 100 mm	
Length Tolerance	±0.4 mm	±0.3 mm	
Material	Stainless steel		

Carpenter's Square Flat Hard Chrome Finish with Stopper HIRAPITA



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
12483	Metal Body 30 cm JIS NEW Red	320×170×12	141	4 960910 124837	5	VH
12482	Metal Body 15 cm NEW	160×90×12	112	4 960910 124820	1	
12438	ABS Resin 30 cm JIS Red	320×177×14	72	4 960910 124387	5	
12437	ABS Resin 15 cm	160×97×14	43	4 960910 124370	1	

Features

- Long marking lines can be drawn by attaching to the corresponding carpenter's square (15 mm width)
- Draw a 45° marking line by changing the edge position
- Can be mounted upside down to measure height
- Measuring a scribed line is possible using the carpenter's square graduations
- Wide stopper securely fits against the material, so a stable scribed line can be drawn even on a chamfered surface.
- Square Stopper Metal Body and Carpenter's Square Flat
 - Made of metal that is highly resistant to impact, wear, and heat
 - Vernier scale allows for fine measurements in 0.1 mm increments
- Carpenter's Square Flat
 - Thin, flat surface makes for easier use on smaller objects and easier marking
 - Inner graduations based on the outer scale reference point
 - Hard chrome finish on entire surface (matte processed) reduces reflection of light
 - Has flexibility due to heat treatment



Use

- For marking or measuring sheet thickness

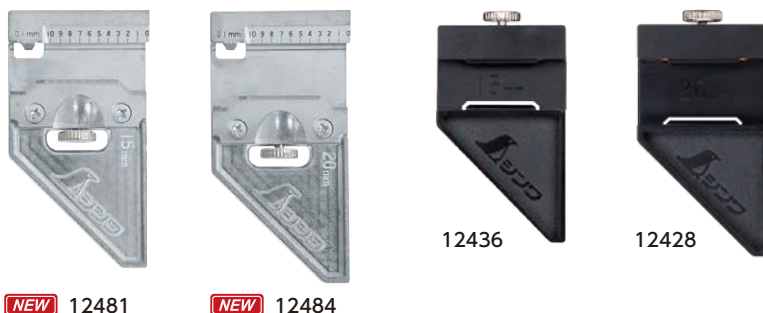
Specifications

—: No scale SS: Square scale CS: Circle scale MS: Mortise scale

Item Code	12483	12482	12438	12437
Carpenter's Square				
Scale or Front Side	Outside	30 cm	15 cm	30 cm
	Inside	30 cm	10 cm	30 cm
Scale or Back Side	Outside	15 cm	7.5 cm	15 cm
	Inside	10 cm	7 cm	10 cm
Scale or Back Side	Outside	30 cm	15 cm	30 cm
	Inside	30 cm	10 cm	30 cm
Scale or Back Side	Outside	15 cm	7.5 cm	15 cm
	Inside	10 cm	7 cm	10 cm
Shape of Corner				
Flat				
Squareness	Less than 0.1 mm per 100 mm			
Length Tolerance	±0.2 mm			
Material	Stainless steel			
Square Stopper				
Supported Carpenter's Square Sizes	Thickness: 2mm Width: 15 mm			
Angle Tolerance* of Stopper	Less than 0.2 mm per 100 mm			
Material	Body: Zinc Screw: Iron Leaf Spring: Bronze		Body: ABS resin Screw: Iron Leaf Spring: Bronze	

*Accuracy of the carpenter's square stopper itself. Accuracy will change depending on the carpenter's square used.

Square Stopper



NEW 12481 **NEW** 12484

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
12481	Metal Body for 15 mm width Carpenter's Square NEW	78×43×12	86	4 960910 124813	5	SP
12484	Metal Body for 20 mm width Carpenter's Square NEW	83×43×12	89	4 960910 124844		
12436	ABS Resin for 15 mm width Carpenter's Square	70×40×14	17	4 960910 124363		
12428	ABS Resin for 20 mm width Carpenter's Square	75×40×14	18	4 960910 124288		

Features

- Made of metal that is highly resistant to impact, wear, and heat (12481/12484)
- Vernier scale for reading fine dimensions (12481/12484)
- Attaches to a carpenter's square for drawing long scribed lines or 45° marking lines
- Wide stopper is stable even on a chamfered surface
- Can be mounted upside down to measure height
- Can clamp on object to measure sheet thickness and diameter (12484/12428)

Use

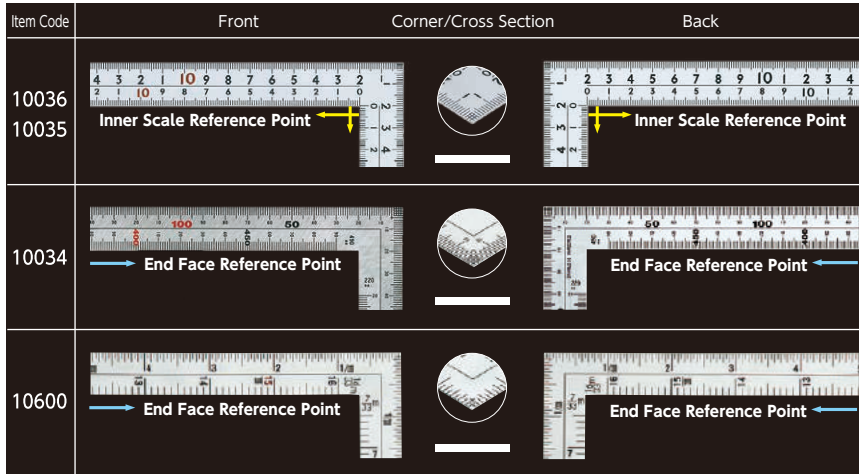
- Attach to Carpenter's Square for marking or measuring sheet thickness and diameter

Specifications

Item Code	12481	12484
Supported Carpenter's Square Sizes	Thickness: Less than 1.4 mm Width: 15 mm	Thickness: 2 mm Width: 20 mm
Angle Tolerance* of Stopper	Less than 0.2 mm per 100 mm	
Material	Body: Zinc Screw: Iron Leaf Spring: Bronze	
Item Code	12436	12428
Supported Carpenter's Square Sizes	Thickness: Less than 1.4 mm Width: 15 mm	Thickness: 2 mm Width: 20 mm
Angle Tolerance* of Stopper	Less than 0.2 mm per 100 mm	
Material	Body: ABS resin Screw: Iron Leaf Spring: Bronze	

*Square Stopper itself. Accuracy will change depending on the carpenter's square used.

Carpenter's Square Wide and Flexible Hard Chrome Finish HIROPITA

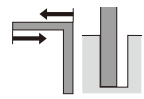


Item Code	Description	Long Branch×Width×Thickness (Short Branch) (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
10036	50 cm with 8 scales JIS	Red 520×20×1.0 (260)	115	4 960910 100367	10	
10035	30 cm with 8 scales JIS	Red 320×20×1.0 (160)	70	4 960910 100350	10	
10034	50 cm	Red 520×20×1.0 (260)	115	4 960910 100343	10	
10600	1 shaku 6 sun	Red 515×20×1.0 (258)	113	4 960910 106000	10	

Refer to P. 2 about the shaku scale

Features

- 1mm-thickness, wide and flexible type
- Because Inner Scale Reference Point graduations are included, it can be laid over the edge of the material for measurement (10035/10036)
- Graduations starting from end face reference point lets you measure from both directions and even depth (10034/10600)
- Thin, flat surface fits in tight places and makes it easy to mark
- Hard chrome finish on entire surface (matte processed)
- Has flexibility due to heat treatment



Use

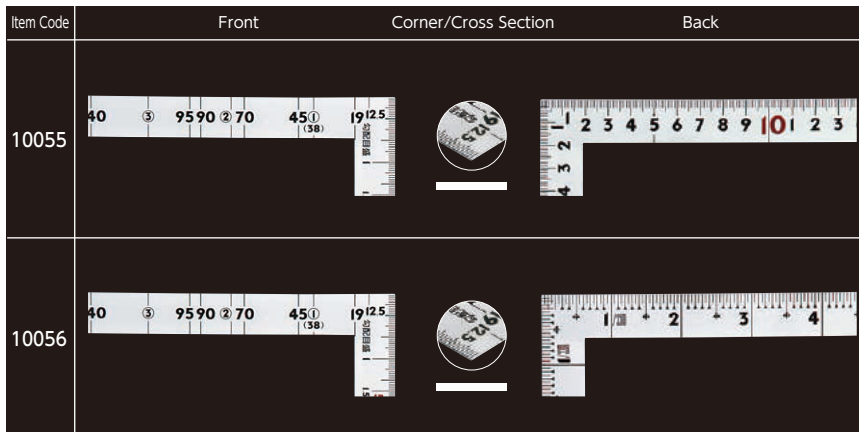
- For all types of inking, marking, and measuring right angles/length

Specifications

--: No scale SS: Square scale CS: Circle scale MS: Mortise scale

Item Code	10036	10035	10034	10600
Scale on Front Side	Outside	50 cm	30 cm	50 cm
	Inside	45 cm	25 cm	49 cm
Scale on Back Side	Outside	25 cm	15 cm	25 cm
	Inside	20 cm	10 cm	22 cm
Scale on Front Side	Outside	50 cm	30 cm	50 cm
	Inside	45 cm	25 cm	49 cm
Scale on Back Side	Outside	25 cm	15 cm	25 cm
	Inside	20 cm	10 cm	22 cm
Shape of Corner	Flat			
Squareness	Less than 0.1 mm per 100 mm			
Length Tolerance	±0.2 mm			
Material	Stainless steel			

Carpenter's Square for Two-by-Four Hard Chrome Finish



Item Code	Description	Long Branch×Width×Thickness (Short Branch) (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
10055	50 cm	Red 12 520×19×1.0 (260)	115	4 960910 100558	10	
10056	1 shaku 5 sun	Red 12 520×19×1.0 (260)	115	4 960910 100565	10	

Refer to P. 2 about the shaku scale

Features

- 19 mm width is suitable for two-by-four applications
- Incline graduation helps to find incline easily. A regular graduation is on the back (10055: 50 cm, 10056: 1 shaku 5 sun)
- Large and clear graduation letters
- Hard chrome finish on entire surface (matte processed)
- Strong due to hardening process yet also has flexibility



Use

- For all types of inking and measuring in two-by-four building

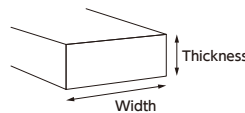
Specifications

--: No scale SS: Square scale CS: Circle scale MS: Mortise scale

Item Code	10055	10056
Scale on Front Side	Outside	2×4
	Inside	-
Scale on Back Side	Outside	25 cm incline
	Inside	-
Scale on Front Side	Outside	50 cm
	Inside	MS
Scale on Back Side	Outside	25 cm
	Inside	7.5 sun
Shape of Corner	Flat	
Squareness	Less than 0.1 mm per 100 mm	
Length Tolerance	±0.2 mm	
Material	Stainless steel	

About 2x4 Graduations

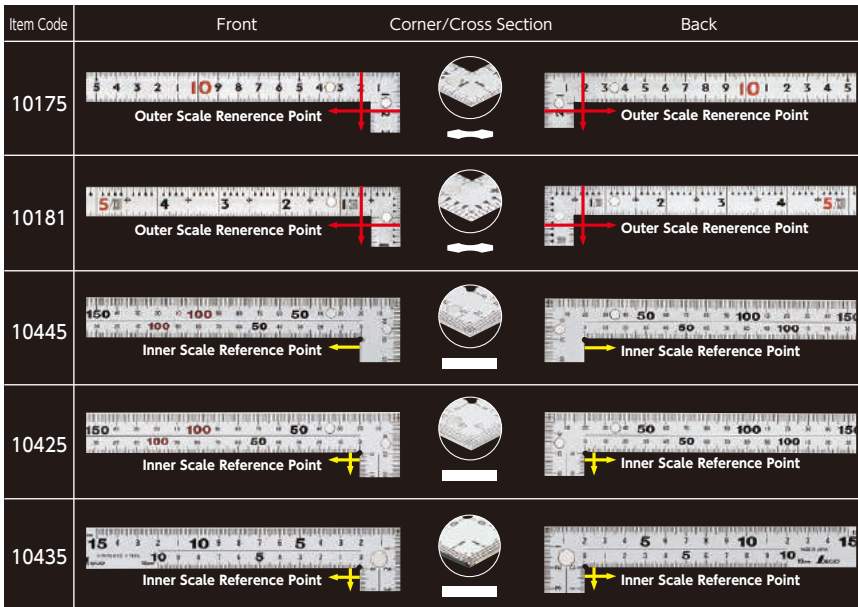
2x4 graduations refer to the numbers often used when using 2x lumber, and the graduations can be used to quickly measure lumber of this size.



2x Lumber Dimensions

	2 × 4	2 × 6	2 × 8	2 × 10	2 × 12
Width	90 mm	140 mm	184 mm	235 mm	286 mm
Width to Center	45 mm	70 mm	92 mm	117.5 mm	143 mm
Thickness	38 mm				
Thickness to Center	19 mm				

Carpenter's Square Hard Chrome Finish with Magnet



Item Code	Description	Long Branch×Width×Thickness (Short Branch) (mm)	Weight (g)	JAN Code	Packing Unit	Package
10175	Flat Corner 50 cm JIS	520×15×1.4 (260)	98	4 960910 101753	10	
10181	Flat Corner 1 shaku 6 sun	520×15×1.4 (260)	98	4 960910 101814		
10445	Wide 50 cm with 6 Scales ATSUDEHIROHABA JIS	520×20×2.0 (260)	238	4 960910 104457		
10425	Wide 30 cm with 8 Scales ATSUDEHIROHABA JIS	320×20×2.0 (160)	144	4 960910 104259		
10435	Wide 15 cm with 8 Scales cm Notation ATSUDEHIROHABA	170×20×2.0 (85)	72.5	4 960910 104358		

Refer to P. 2 about the shaku scale

Features

- Magnets prevent loss by sticking to the scaffolding
- Strap hole on 10425 and 10435
- Hard chrome finish on entire surface (matte processed)
- Strong due to hardening process yet also has flexibility (10175/10181)

Use

- For all types of inking, marking, and measuring right angles/length

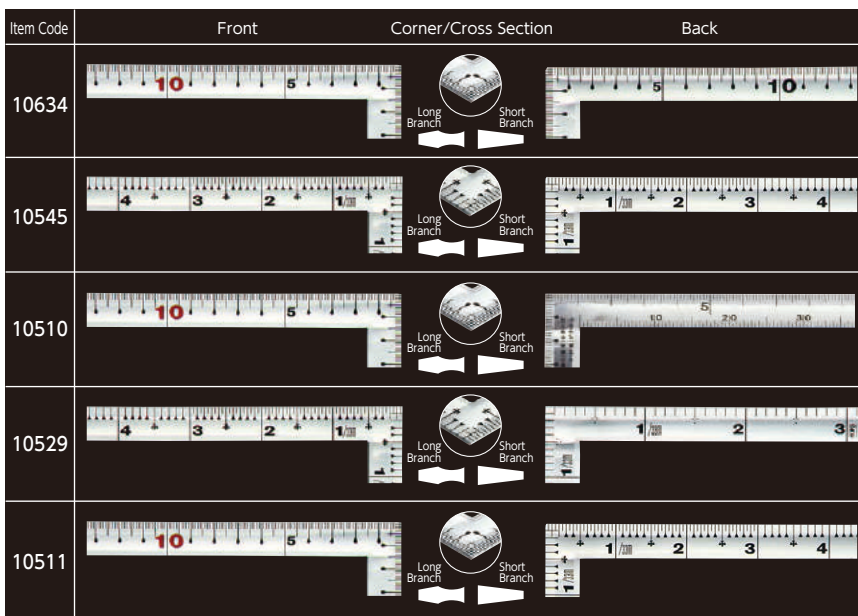
Specifications

—: No scale SS: Square scale CS: Circle scale MS: Mortise scale

Item Code	10175	10181	
Scale on Front Side	Long Branch/Short Branch Outside	50 cm	1 shaku 6 sun
	Inside	45 cm	1 shaku
Scale on Back Side	Long Branch/Short Branch Outside	25 cm	8 sun
	Inside	20 cm	7 sun
Scale on Back Side	Long Branch/Short Branch Outside	50 cm	1 shaku 6 sun
	Inside	40 cm MS	1 shaku MS
Scale on Back Side	Long Branch/Short Branch Outside	25 cm	8 sun
	Inside	20 cm	7 sun
Shape of Corner	Flat		
Squareness	Less than 0.1 mm per 100 mm		
Length Tolerance	±0.2 mm		
Material	Body: Stainless steel Magnet: Neodymium		

Item Code	10445	10425	10435	
Scale on Front Side	Long Branch/Short Branch Outside	50 cm	30 cm	15 cm
	Inside	45 cm	25 cm	10 cm
Scale on Back Side	Long Branch/Short Branch Outside	25 cm	15 cm	7.5 cm
	Inside	—	10 cm	5 cm
Scale on Back Side	Long Branch/Short Branch Outside	50 cm	30 cm	15 cm
	Inside	45 cm	25 cm	10 cm
Scale on Back Side	Long Branch/Short Branch Outside	25 cm	15 cm	7.5 cm
	Inside	—	10 cm	5 cm
Shape of Corner	Flat			
Squareness	Less than 0.1 mm per 100 mm			
Length Tolerance	±0.2 mm			
Material	Body: Stainless steel Magnet: Neodymium			

Carpenter's Square Rigid Hard Chrome Finish



Item Code	Description	Long Branch×Width×Thickness (Short Branch) (mm)	Weight (g)	JAN Code	Packing Unit	Package
10634	30 cm JIS	320×15×2.6 (160)	116	4 960910 106345	10	
10545	1 shaku	320×15×2.6 (160)	116	4 960910 105454		
10510	30 cm with Square Scale JIS	320×15×2.6 (160)	116	4 960910 105102		
10529	1 shaku with Square Scale	320×15×2.6 (160)	116	4 960910 105294		
10511	30 cm/1 shaku	320×15×2.6 (160)	116	4 960910 105119		

Refer to P. 2 about the shaku scale

Features

- Thick and tough
- Small, handy mobile size
- Suitable for joiners since it's also useful as a rule to check right angles
- Hard chrome finish (matte processed) on graduation to prevent glare and make it easy to see
- Strong due to hardening process yet also has flexibility

Use

- For all types of inking, marking, and measuring right angles/length
- For production of fittings

Specifications

—: No scale SS: Square scale CS: Circle scale MS: Mortise scale

Item Code	10634	10545	
Scale on Front Side	Long Branch/Short Branch Outside	30 cm	1 shaku
	Inside	—	—
Scale on Back Side	Long Branch/Short Branch Outside	15 cm	5 sun
	Inside	—	—
Scale on Back Side	Long Branch/Short Branch Outside	30 cm	1 shaku
	Inside	—	—
Scale on Back Side	Long Branch/Short Branch Outside	15 cm	5 sun
	Inside	—	—
Shape of Corner	Flat		
Squareness	Less than 0.1 mm per 100 mm		
Length Tolerance	±0.2 mm		
Material	Stainless steel		

Item Code	10510	10529	10511	
Scale on Front Side	Long Branch/Short Branch Outside	30 cm	1 shaku	30 cm
	Inside	—	—	—
Scale on Back Side	Long Branch/Short Branch Outside	15 cm	5 sun	15 cm
	Inside	—	—	—
Scale on Back Side	Long Branch/Short Branch Outside	SS	—	1 shaku
	Inside	CS	—	—
Scale on Back Side	Long Branch/Short Branch Outside	15 cm	5 sun	5 sun
	Inside	—	—	—
Shape of Corner	Flat			
Squareness	Less than 0.1 mm per 100 mm			
Length Tolerance	±0.2 mm			
Material	Stainless steel			

Small Square

Item Code	Front	Corner/Cross Section	Back
12130			
12017			
12325			
12114			
12435			
12416			
12476			
12101			
12102			
12103			
12104			

Item Code	Description	Long Branch×Width×Thickness (Short Branch)	Weight (g)	JAN Code	Packing Unit	Packaging
12130	Grooved Polish Finish 30 x 15 cm	330×15×1.1 (165)	57	4 960910 121300	10	
12017	Grooved Polish Finish 30 x 15 cm with Square Scale	330×15×1.1 (165)	57	4 960910 120174	10	
12325	Flat Polish Finish 30 x 15 cm	330×15×1.1 (163)	60	4 960910 123250	10	
12114	Flat Polish Finish 30 x 15 cm with Square Scale	330×15×1.1 (163)	60	4 960910 121140	10	
12435	Black 30 x 15 cm	330×15×1.3 (163)	67	4 960910 124356	10	
12416	Black 30 x 15 cm with Square Scale	330×15×1.3 (163)	67	4 960910 124165	10	
12476	White 30 x 15 cm with Square Scale	330×15×1.3 (163)	67	4 960910 124769	10	
12101	Polish Finish 10 x 5 cm	105×10×1.2 (55)	14	4 960910 121010	10 (100)	
12102	Polish Finish 3 x 1.5 sun	105×10×1.2 (55)	14	4 960910 121027	10 (100)	
12103	Polish Finish 15 x 7.5 cm	160×10×1.2 (80)	20	4 960910 121034	10 (60)	
12104	Polish Finish 5 x 2.5 sun	160×10×1.2 (80)	20	4 960910 121041	10 (60)	

Refer to P. 2 about the shaku scale

Features

- [12130/12017/12325/12114]
 ● Small, handy mobile size
 ● Stainless steel construction makes it strong and rust-resistant
 ● Etching + black chrome coating on graduations help them last long



Polish finish grooved



Polish finish flat

- [12435/12416/12476]
 ● Small, handy mobile size
 ● Compact type that lays flat on the material for easier scribing
 ● White scale on black background, or black scale on white background makes scale and numbers easy to see



Black coating



White coating

- [12101/12102/12103/12104]
 ● Small, handy mobile size
 ● Stainless steel construction makes it strong and rust-resistant
 ● Convenient for simple marking and also as a rule



Polish finish

Use

- For all types of inking, marking, and measuring right angles/length

Specifications

--: No scale SS: Square scale CS: Circle scale MS: Mortise scale

Item Code	12130	12017	12325	12114
Scale on Front Side	Outside	30 cm		
	Inside	5 mm pitch 30 cm		
Scale on Back Side	Outside	15 cm		
	Inside	5 mm pitch 15 cm		
Shape of Corner	Outside	30 cm		
	Inside	5 mm pitch 30 cm	SS	5 mm pitch 30 cm
	Outside	15 cm		
	Inside	5 mm pitch 15 cm	CS	5 mm pitch 15 cm
Squareness	Less than 0.1 mm per 100 mm			
Length Tolerance	±0.2 mm			
Material	Stainless steel			

Item Code	12435	12416	12476
Scale on Front Side	Outside	30 cm	
	Inside	5 mm pitch 30 cm	
Scale on Back Side	Outside	15 cm	
	Inside	5 mm pitch 15 cm	
Shape of Corner	Outside	30 cm	
	Inside	5 mm pitch 30 cm	SS
	Outside	15 cm	
	Inside	5 mm pitch 15 cm	CS
Squareness	Less than 0.1 mm per 100 mm		
Length Tolerance	±0.3 mm		
Material	Iron		

Item Code	12101	12102	12103	12104
Scale on Front Side	Outside	10 cm	3 sun	15 cm
	Inside	—	—	1 cm pitch 15 cm
Scale on Back Side	Outside	5 cm	1.5 sun	7.5 cm
	Inside	—	—	1 cm pitch 7 cm
Shape of Corner	Outside	10 cm	3 sun	15 cm
	Inside	1 cm pitch 10 cm	—	1 cm pitch 15 cm
	Outside	5 cm	1.5 sun	7.5 cm
	Inside	1 cm pitch 5 cm	—	1 cm pitch 7 cm
Squareness	Less than 0.1 mm per 100 mm			
Length Tolerance	±0.2 mm			
Material	Stainless steel			

Carpenter's Squares
 Stainless Steel Rules / Machine Scale
 Aluminum Rules
 Resin Rules / Bamboo Rules
 Squares / Protractors
 Vernier Calipers / Micrometers
 Tape Measures
 Surveying Products
 Scales
 Levels
 Lasers / Optical Equipment
 Incliners / Chalklines / Plumholders
 Circular Saw Guides
 Construction Tools
 Industrial Tools
 Thermometers / Hygrometers / Scientific Measuring Instruments
 Outdoor Products
 Magnifying Glasses
 Drawing Tools
 Magnets

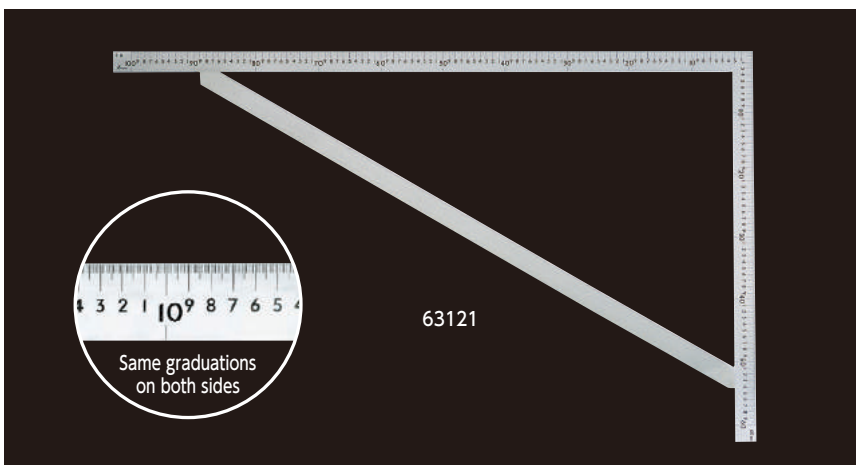
Large Square

Item Code	Front	Corner/Cross Section	Back
63099			
63400			
63122			
63118			
63128			
63094			

Item Code	Description	Long Branch×Width×Thickness (Short Branch) (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
63099	Rigid Polish Finish 1 m x 60 cm	1,040×30×4.0 (630)	1,516	4 960910 630994	5	V
63400	Hard Chrome Finish 1 m x 60 cm Red	1,040×35×2.5 (630)	1,102	4 960910 634008	5	V
63122	Polish Finish 1 m x 60 cm with 8 Scales	1,040×35×2.5 (630)	1,102	4 960910 631229	5	V
63118	Polish Finish 1 m x 60 cm	1,040×35×2.5 (630)	1,102	4 960910 631182	5	V
63128	Polish Finish 3 shaku 3 sun x 2 shaku	1,040×35×2.5 (630)	1,102	4 960910 631281	5	V
63094	Polish Finish 1 m/3 shaku 3 sun CM	1,040×35×2.5 (630)	1,102	4 960910 630949	5	V

Refer to P. 2 about the shaku scale

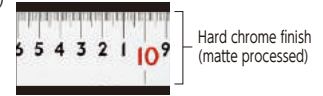
Large Square with Brace



Item Code	Description	Long Branch×Width×Thickness (Short Branch) (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
63121	Polish Finish 1 m x 60 cm	1,040×35×2.5 (630)	1,710	4 960910 631212	1	V

Features

- Useful to measure and mark large objects such as building stone, lumber, and metal plates
- 63400 Hard chrome finish on entire surface (matte processed)



Use

- For all types of inking, marking, and measuring right angles/length

Specifications

—: No scale SS: Square scale CS: Circle scale MS: Mortise scale

Item Code	63099	63400	63122
Scale on Front Side	Long Branch	1 m	
	Short Branch	—	1 m
Scale on Back Side	Long Branch	60 cm	
	Short Branch	—	57 cm
Shape of Corner	Outside	1 m	
	Inside	—	1 m
Squareness	Outside	60 cm	
	Inside	—	57 cm
Length Tolerance	±0.5 mm		
Material	Stainless steel		

Item Code	63118	63128	63094	
Scale on Front Side	Long Branch	1 m	3 shaku 3 sun	1 m
	Short Branch	—	—	—
Scale on Back Side	Long Branch	60 cm	2 shaku	60 cm
	Short Branch	—	—	—
Shape of Corner	Outside	1 m	3 shaku 3 sun	—
	Inside	—	—	—
Squareness	Outside	60 cm	2 shaku	—
	Inside	—	—	—
Length Tolerance	±0.5 mm			
Material	Stainless steel			

Features

- Useful to measure and mark large objects such as building stone, lumber, and metal plates



- Brace enables stable measurements without slipping

Use

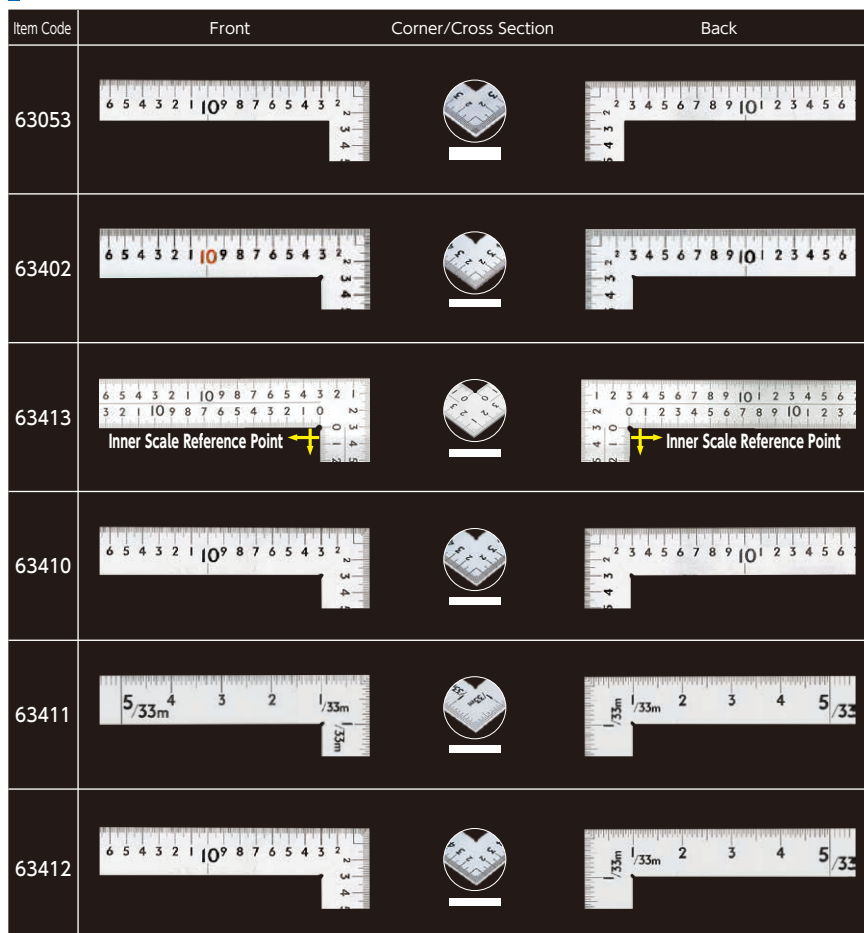
- For all types of inking, marking, and measuring right angles/length

Specifications

—: No scale SS: Square scale CS: Circle scale MS: Mortise scale

Item Code	63121		
Scale on Front Side	Long Branch	1 m	
	Short Branch	—	—
Scale on Back Side	Long Branch	60 cm	
	Short Branch	—	—
Shape of Corner	Outside	1 m	
	Inside	—	—
Squareness	Outside	60 cm	
	Inside	—	—
Length Tolerance	±0.5 mm		
Material	Stainless steel		

Large Square

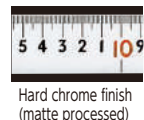


Item Code	Description	Long Branch×Width×Thickness (Short Branch) (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
63053	Rigid Polish Finish 60 x 30 cm	630×25×3.0 (330)	543	4 960910 630536	5	
63402	Hard Chrome Finish 60 x 30 cm	630×30×2.0 (330)	432	4 960910 634022	5	
63413	Polish Finish 60 x 30 cm with 8 Scales	630×30×2.0 (330)	430	4 960910 634138	5	
63410	Polish Finish 60 x 30 cm	630×30×2.0 (330)	430	4 960910 634107	5	
63411	Polish Finish 2 x 1 shaku	638×30×2.0 (335)	440	4 960910 634114	5	
63412	Polish Finish 60 cm/2 shaku	638×30×2.0 (335)	440	4 960910 634121	5	

Refer to P. 2 about the shaku scale

Features

- Useful to measure and mark large objects such as building stone, lumber, and metal plates
- 63402 has a hard chrome finish on entire surface (matte processed) that reduces reflection of light
- 63413 has graduations on all 8 sides



Use

- For all types of inking, marking, and measuring right angles/length

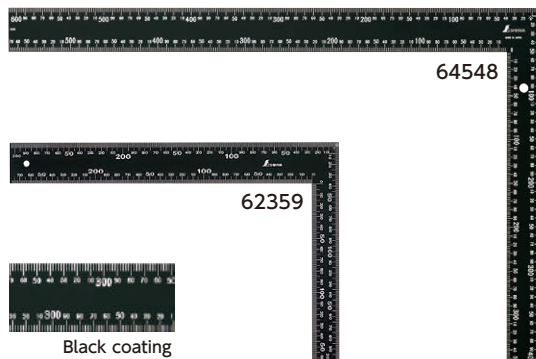
Specifications

--: No scale SS: Square scale CS: Circle scale MS: Mortise scale

Item Code	63053	63402	63413
Scale on Front Side	Outside	60 cm	
	Inside	—	55 cm
Scale on Back Side	Outside	60 cm	
	Inside	—	55 cm
Shape of Corner	Flat		
	Squareness	Less than 0.1 mm per 100 mm	
Length Tolerance	±0.5 mm		
Material	Stainless steel		

Item Code	63410	63411	63412
Scale on Front Side	Outside	60 cm	2 shaku
	Inside	—	—
Scale on Back Side	Outside	30 cm	1 shaku
	Inside	—	—
Shape of Corner	Flat		
	Squareness	Less than 0.1 mm per 100 mm	
Length Tolerance	±0.5 mm		
Material	Stainless steel		

Rafter/Flat Square



Item Code	Description	Long Branch×Width×Thickness (Short Branch) (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
64548	Rafter Square 60 x 40 cm	610×51×2.3 (407)	806	4 960910 645486	5	
62359	Flat Square 30 x 20 cm	305×38×1.2 (204)	150	4 960910 623590	10	

Features

- Comes in handy for two-by-four building as width measure is in inches
- White scale on black background makes graduations and numbers easy to see

Use

- For all types of marking and measuring length in two-by-four building

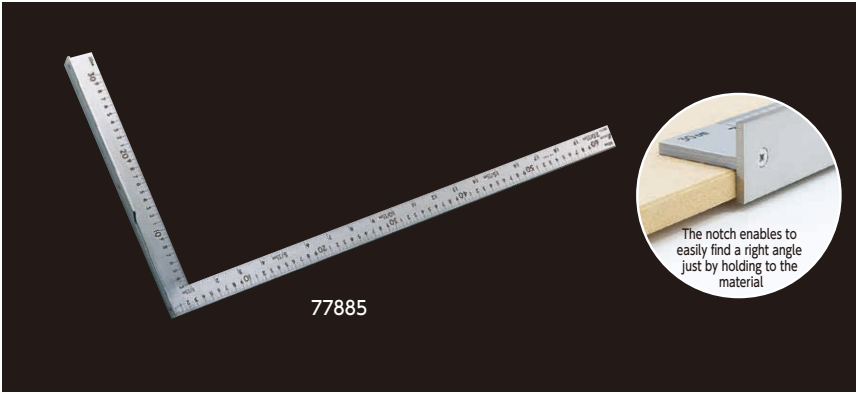
Specifications

--: No scale SS: Square scale CS: Circle scale MS: Mortise scale

Item Code	64548	62359
Scale on Front Side	Outside	60 cm
	Inside	57 cm
Scale on Back Side	Outside	40 cm
	Inside	35 cm
Shape of Corner	Flat	
	Squareness	Less than 0.1 mm per 100 mm
Length Tolerance	±0.5 mm	
Material	Iron	

Carpenter's Squares
 Stainless Steel Rules / Machine Scale
 Aluminum Rules
 Resin Rules / Bamboo Rules
 Squares / Protractors
 Vernier Calipers / Micrometers
 Tape Measures
 Surveying Products
 Scales
 Levels
 Lasers / Optical Equipment
 Incliners / Chalklines / Plumblines
 Circular Saw Guides
 Construction Tools
 Industrial Hygrometers / Environmental Measuring Instruments
 Outdoor Products
 Magnifying Glasses
 Drawing Tools
 Magnets

Carpenter's Square with Fence



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
77885	60 cm/shaku	630 (330) × 30 × 4 (edge 330 × 25 × 3)	1,000	4 960910 778856	2	

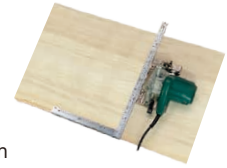
Refer to P. 2 about the shaku scale

Features

- Edge holds to the material tightly and prevents sliding when cutting with an electric circular saw or marking
- All stainless steel made, heavy and tough
- Shaku graduation is marked inside of long branch

Use

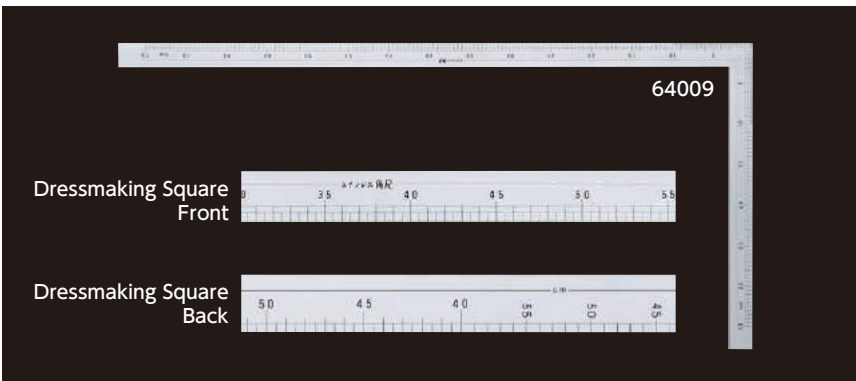
- Use as a guide rule for electric circular saws
- For all types of marking and measuring length



Specifications

Squareness	Less than 0.1 mm per 100 mm
Length Tolerance	±0.5 mm
Material	Stainless steel

Dressmaking Square



Item Code	Description	Long Branch×Width×Thickness (Short Branch)	Weight (g)	JAN Code	Packing Unit	Packaging
64009	Hard Chrome Finish 75 x 35 cm	785 × 30 × 1.5 (380)	396	4 960910 640092	5	

Features

- Convenient for taking measurements of fabric for dressmaking
- Hard chrome finish on entire surface (matte processed)

Use

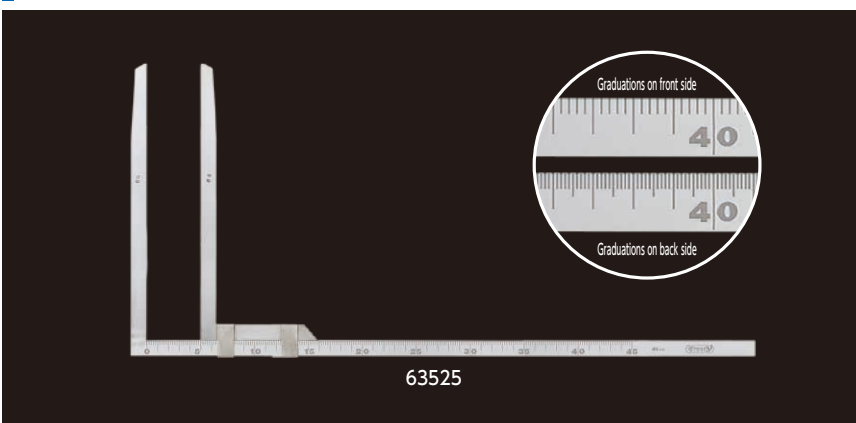
- For dressmaking

Specifications

—: No scale SS: Square scale CS: Circle scale MS: Mortise scale

Scale on Front Side	Scale on Back Side	Scale on Front Side		Scale on Back Side	
		Long Branch/Short Branch	Long Branch/Short Branch	Long Branch/Short Branch	Long Branch/Short Branch
Outside	Outside	75 cm	—	—	—
Inside	Inside	—	—	—	—
Outside	Outside	35 cm	—	—	—
Inside	Inside	—	—	—	—
Outside	Outside	Dress making	—	—	—
Inside	Inside	—	—	—	—
Outside	Outside	Dress making	—	—	—
Inside	Inside	—	—	—	—
Shape of Corner		Flat			
Squareness		Less than 0.1 mm per 100 mm			
Length Tolerance		±0.5 mm			
Material		Stainless steel			

Large Caliper



Item Code	Description	Overall Length×Width×Thickness (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
63509	30 cm	420 × 15 × 3.0	278	4 960910 635098	1	
63525	45 cm	590 × 15 × 3.0	416	4 960910 635258		
63541	60 cm	770 × 17 × 3.0	597	4 960910 635418		
63568	75 cm	960 × 18.5 × 4.0	1,127	4 960910 635685		
63592	1 m	1,200 × 20 × 4.0	1,575	4 960910 635920		

Features

- Can easily measure diameter of trees and timber

Use

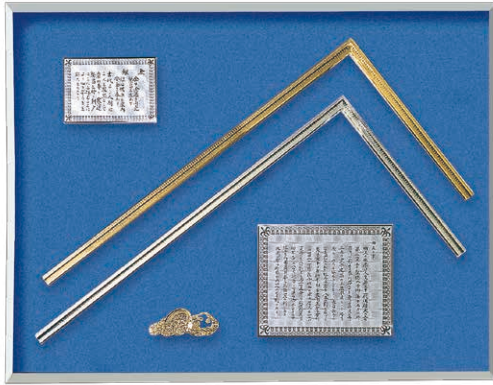
- To measure the diameter of timber
- To assort rounded objects by size like fruits



Specifications

Item Code	63509	63525	63541	63568	63592
Graduation Pitch	Front: 2 mm pitch Back: 1 mm pitch				
Caliper Length	160 mm	260 mm	330 mm	430 mm	580 mm
Material	Stainless steel				

Ornamental Carpenter's Square



98760

Features

● History of the carpenter's square is engraved on metal plates, and the gold and silver color finish turns it into a beautiful, decorative framed piece

Use

● For an anniversary gift or occasional gift

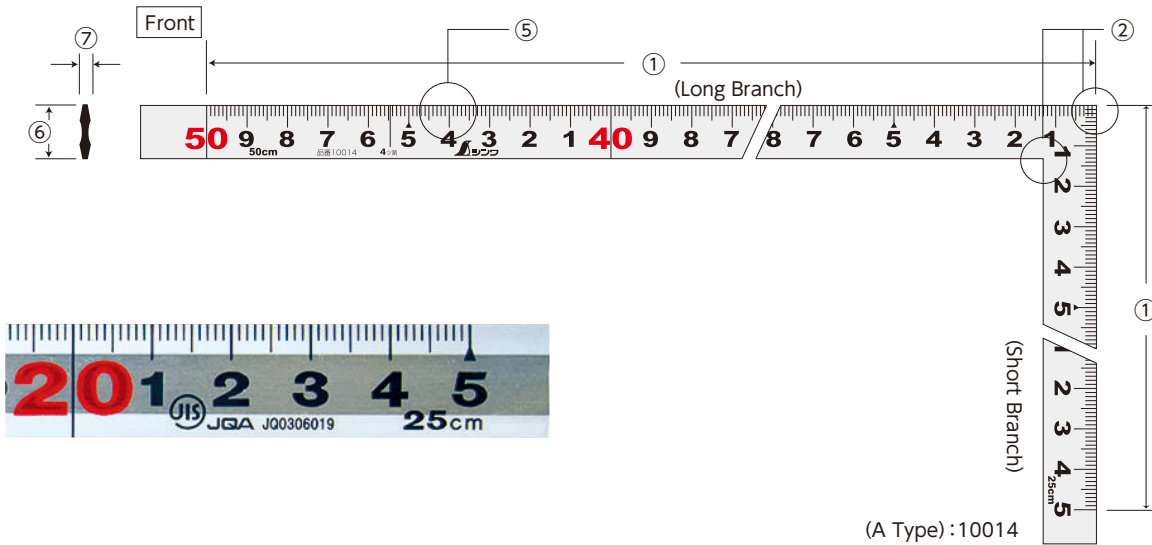


Specifications

Material	Square: Stainless steel Frame: Aluminum, acrylic resin
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Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
98760	Gold and Silver with Frame	522x673x40	2,920	4 960910 987609	1	

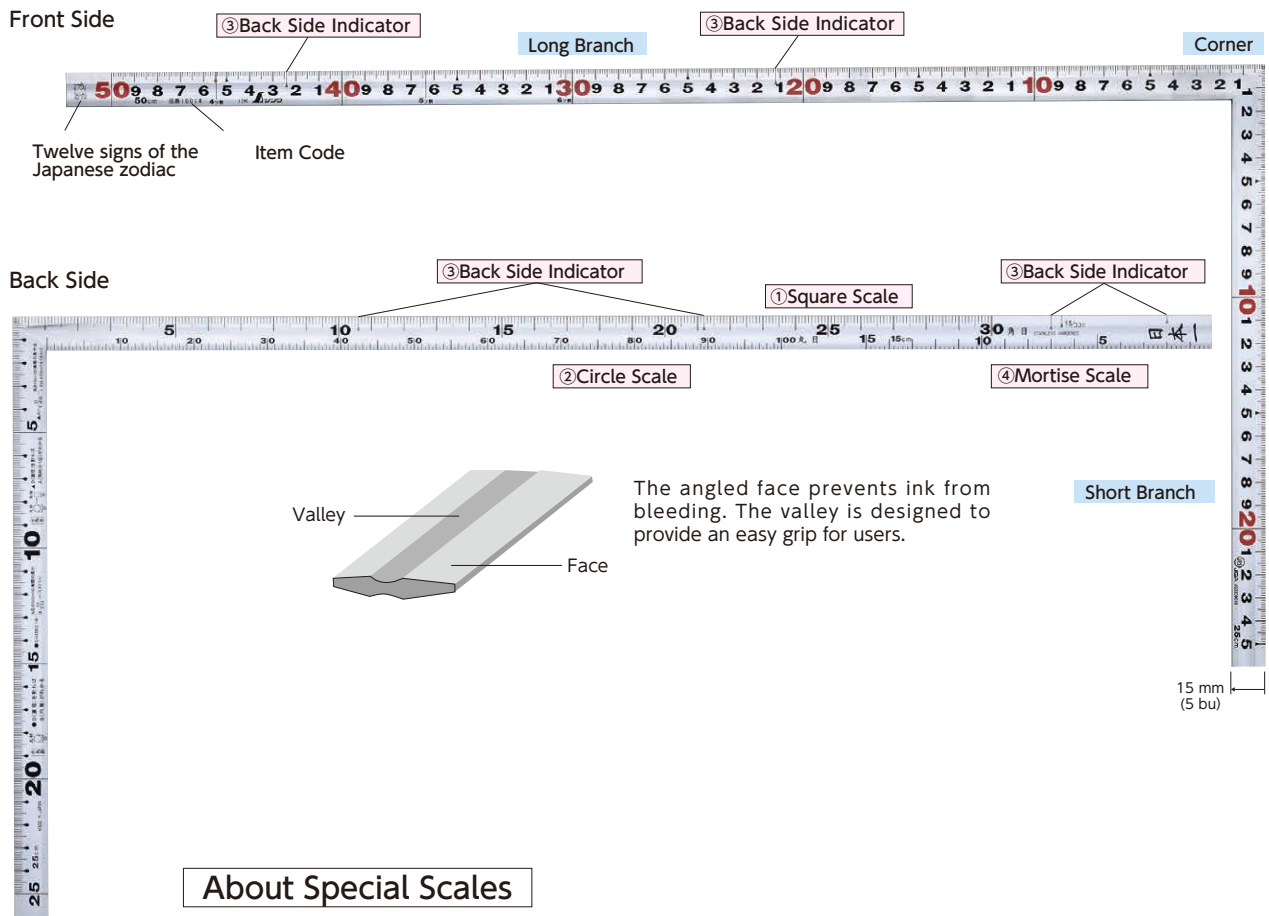
JAPANESE INDUSTRIAL STANDARD Carpenter's Square Part of B7534 (abstract) as of October 2021



Division	Item	Standard		
Standard	JIS B 7534:2005	-		
Material	Hardness	A type	B type	C type
		Hv320 min	Hv210 min	Hv210 min
Performance, Shapes and Dimensions	① Tolerances on Length	The tolerance on length of carpenter's squares shall be ± 0.2 mm for an arbitrary length from its outer or inner scale reference point and the length between arbitrary two graduation lines, taking the reference temperature at 20°C.		
	② Squareness of Scale Side Face	The squareness of the scale side face of the long branch in respect to that of the short branch shall not exceed 0.1 mm per 100 mm.		
	③ Straightness of Scale Side Face	The straightness in horizontal direction of the scale side of carpenter's square shall be less than $(0.3 + \text{Overall length of long branch or short branch} \div 2,500)$ mm.		
	④ Flatness of Scale Face	For a carpenter's square of Type A. When it is bent so that the distance between both ends of long branch becomes 3/4 the "outer scale length of long branch" and returned, the flatness of scale face of the long branch shall not exceed 1/100 the "outer scale length of long branch".		
	⑤ Scale	The graduation lines shall reach the ridge of the scaled surface, as well as the squareness in respect to the ridge of scaled surface shall be less than 0.2 mm per 5 mm. The thickness of the graduation lines shall be 0.2 to 0.45 mm. For those of the same nominal thickness, the minimum value of the actual thickness shall be at least 55% of the maximum value.		
	⑥ Width	A type/B type 15.0 \pm 0.3 mm C type 20.0 \pm 0.3 mm/15.0 \pm 0.3 mm		
	⑦ Thickness	A Type 1.4 \pm 0.4 mm B type T: 2.6 \pm 0.3 mm t: 2.0 \pm 0.3 mm C type 2.0 \pm 0.3 mm-1.0 \pm 0.3 mm		
Shape	Cross Section	A type	B type	C type

About the Carpenter's Square

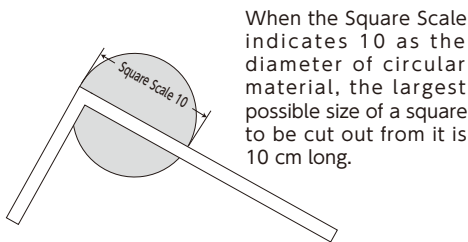
Part names



About Special Scales

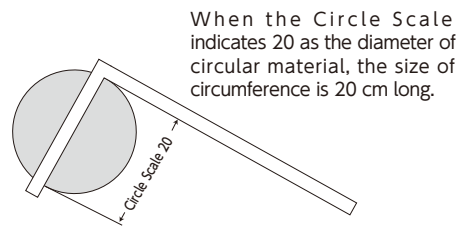
① Square Scale (SS)

A scale graduated in $\sqrt{2}$ times the actual length scale for measuring the largest square possible to be cut out from a circular material.



② Circle Scale (CS)

A scale graduated in $1/\pi$ times the actual length scale for measuring the circumference of a circular material.

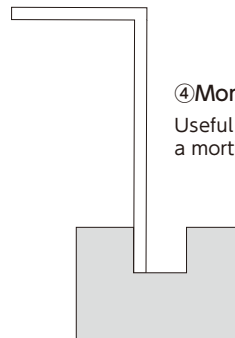


③ Back Side Indicator

On both the front and back sides of the square, there are icons indicating frequently used scale marks (1). These icons allow users to know the value written on the back side without flipping the square.

④ Mortise Scale (MS)

Useful to measure the depth of a mortise.



2. Stainless Steel Rules/ Machine Scale



Scan here to see videos of various products



Carpenter's Squares	Stainless Steel Rules/ Machine Scale	Aluminum Rules	Resin Rules/ Bamboo Rules	Squares/ Protractors	Vernier Calipers/ Micrometers	Tape Measures	Surveying Products	Scales	Levels	Lasers/ Optical Equipment	Inclines/ Chalklines/ Plumbholders	Circular Saw Guides	Construction Tools	Industrial Tools	Thermometers/ Hygrometers/ Scales/ Measuring Instruments	Outdoor Products	Magnifying Glasses	Drawing Tools	Magnets
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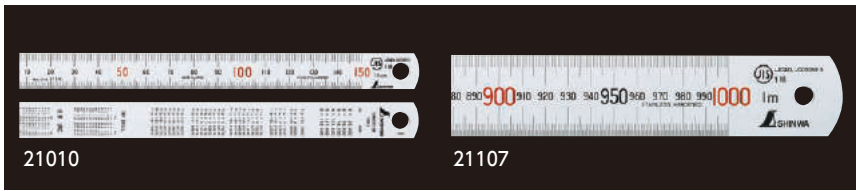
The difference between Polish Finish and Hard Chrome Finish

Surface finish differs. The polish finish is regular stainless steel while the hard chrome type has been given a matte finish to prevent glare and give the scale high readability.

Calibration Certification (JCSS)

We do not provide recommendations on calibration cycles and frequencies as customers may have different usage and management methods. We ask that customers determine their desired calibration cycle and frequency.

Stainless Steel Rule Hard Chrome Finish [Metric]



Item Code	Description	Overall Length×Width×Thickness (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
21010	H-101A 15 cm JIS	175×15×0.5	10	4 960910 210103	50	
21085	H-101C 30 cm JIS	335×25×1.0	65	4 960910 210851	50	
21028	H-101E 60 cm JIS	640×30×1.2	180	4 960910 210288	10	
21107	H-101F 1 m JIS	1,050×35×1.5	425	4 960910 211070	10	V
21589	H-102G 1.5 m JIS	1,565×40×2.0	950	4 960910 215894	5	
21607	H-102H 2 m JIS	2,065×40×2.0	1,250	4 960910 216075	5	
21566	H-102I 3 m*	3,065×40×3.0	2,865	4 960910 215665	5	

Features

- JIS Grade 1 (15 cm - 2 m)
- Hard chrome finish provides its surface with excellent durability and prevents glare on the scale for high readability
- Etching and plating finish maintains its performance even under harsh conditions
- Inch conversion chart and tap drill size chart on back (15 cm - 1 m)
- English package
- Made in Japan

Use

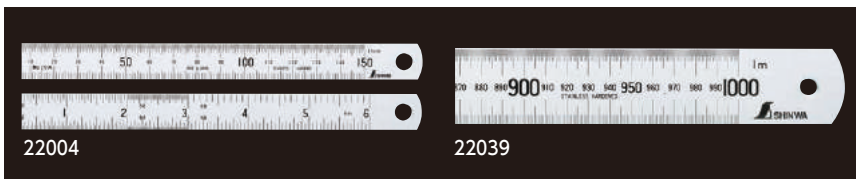
- For measuring length, drawing lines and marking

Specifications

Item Code	21010	21085	21028	21107
Upper Graduation	1 mm pitch			
Lower Graduation	0.5 mm pitch			
Material	Stainless steel			
Item Code	21589	21607	21566	
Upper Graduation	0.5 mm pitch for up to 10 cm 1 mm pitch for the rest			
Lower Graduation	1 mm pitch			
Material	Stainless steel			

- Calibration certificate (JCSS) on p.253
- *Extra shipping fee charged separately.

Stainless Steel Rule Hard Chrome Finish [Metric/Inch]



Item Code	Description	Overall Length×Width×Thickness (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
22004	H-201A 15 cm/6"	175×15×0.5	10	4 960910 220041	50	
22012	H-201C 30 cm/12"	335×25×1.0	65	4 960910 220126	50	
22021	H-201E 60 cm/24"	640×30×1.2	180	4 960910 220218	10	V
22039	H-201F 1 m/36"	1,050×35×1.5	425	4 960910 220393	10	V

Features

- Metric scale on front side and inch scale on back side
- Hard chrome finish provides its surface with excellent durability and prevents glare on the scale for high readability
- Etching and plating finish maintains its performance even under harsh conditions
- English package
- Made in Japan

Use

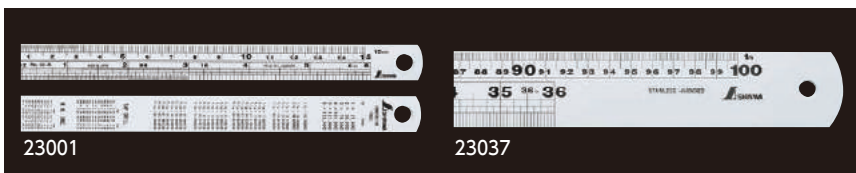
- For measuring length, drawing lines and marking

Specifications

Item Code	22004	22012	22021	22039
Front Side	Upper	0.5 mm pitch		
Front Side	Lower	1 mm pitch		
Back Side	Upper	1/10", 1/20", 1/50" pitch		
Back Side	Lower	1/16", 1/32", 1/64" pitch		
Material	Stainless steel			

- Calibration certificate (JCSS)* on p.253
- *Only for cm scale.

Stainless Steel Rule Hard Chrome Finish [Metric/Inch]



Item Code	Description	Overall Length×Width×Thickness (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
23001	H-301A 15 cm/6"	175×15×0.5	10	4 960910 230019	50	
23021	H-301C 30 cm/12"	335×25×1.0	65	4 960910 230217	50	
23029	H-301E 60 cm/24"	640×30×1.2	180	4 960910 230293	10	V
23037	H-301F 1 m/36"	1,050×35×1.5	425	4 960910 230378	10	V
23159	H-302G 1.5 m/60"	1,565×40×2.0	950	4 960910 231597	5	
23167	H-302H 2 m/78"	2,065×40×2.0	1,250	4 960910 231672	5	
23175	H-302I 3 m/118"*	3,065×40×3.0	2,865	4 960910 231757	5	

Features

- Metric scale on upper side and inch scale on lower side
- Hard chrome finish provides its surface with excellent durability and prevents glare on the scale for high readability
- Etching and plating finish maintains its performance even under harsh conditions
- English package
- Made in Japan

Use

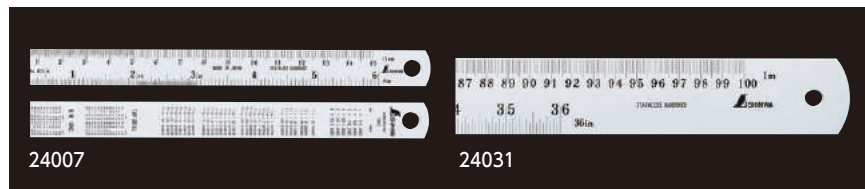
- For measuring length, drawing lines and marking

Specifications

Item Code	23001	23021	23029	23037
Front Side	Upper	0.5 mm, 1 mm pitch		
Front Side	Lower	1/16", 1/32", 1/64" pitch		
Back Side	Conversion table			
Material	Stainless steel			
Item Code	23159	23167	23175	
Front Side	Upper	0.5 mm, 1 mm pitch		
Front Side	Lower	1/16", 1/32", 1/64" pitch		
Back Side	Plain			
Material	Stainless steel			

- Calibration certificate (JCSS)* on p.253
- *Only for cm scale.
- *Extra shipping fee charged separately.

Stainless Steel Rule Hard Chrome Finish [Metric/Inch]



Item Code	Description	Overall Length×Width×Thickness (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
24007	H-401A 15 cm/6"	175×15×0.5	10	4 960910 240070	50	
24015	H-401C 30 cm/12"	335×25×1.0	65	4 960910 240155		
24023	H-401E 60 cm/24"	640×30×1.2	180	4 960910 240230		
24031	H-401F 1 m/36"	1,050×35×1.5	425	4 960910 240315	10	
24252	H-402G 1.5 m/60"	1,565×40×2.0	950	4 960910 242524		
24260	H-402H 2 m/78"	2,065×40×2.0	1,250	4 960910 242609	5	
49099	H-402I 3 m/118"*	3,065×40×3.0	2,865	4 960910 490994		

Features

- Metric scale on upper side and inch scale on lower side
- Hard chrome finish provides its surface with excellent durability and prevents glare on the scale for high readability
- Etching and plating finish maintains its performance even under harsh conditions
- English package
- Made in Japan

Use

- For measuring length, drawing lines and marking

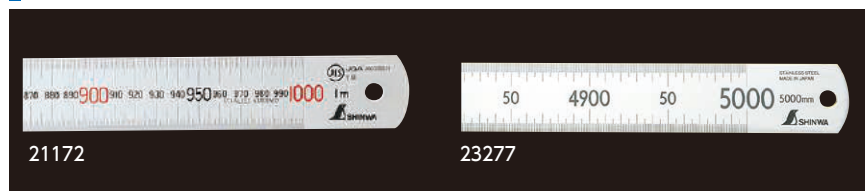
Specifications

	24007	24015	24023	24031
Front Side	Upper	0.5 mm, 1 mm pitch		
	Lower	1/16", 1/32", 1/64" pitch		
Back Side	Conversion table			
Material	Stainless steel			

	24252	24260	49099
Front Side	Upper	0.5 mm, 1 mm pitch	
	Lower	1/16", 1/32", 1/64" pitch	
Back Side	Plain		
Material	Stainless steel		

- Calibration certificate (JCSS)* on p.253
- *Only for cm scale.
- *Extra shipping fee charged separately.

Stainless Steel Rule Polish Finish [Metric]



Item Code	Description	Overall Length×Width×Thickness (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
21148	S-101A 15 cm JIS	175×15×0.5	10	4 960910 211483	50	
21156	S-101C 30 cm JIS	335×25×1.0	65	4 960910 211568		
21164	S-101E 60 cm JIS	640×30×1.2	180	4 960910 211643		
21172	S-101F 1 m JIS	1,050×35×1.5	425	4 960910 211728	10	
21741	S-102G 1.5 m JIS	1,565×40×2.0	950	4 960910 217416		
21768	S-102H 2 m JIS	2,065×40×2.0	1,250	4 960910 217683	5	
23275	S-102I 3 m*	3,065×40×3.0	2,865	4 960910 232754		
23276	S-102J 4 m*	4,065×45×3.0	4,253	4 960910 232761	1	
23277	S-102K 5 m*	5,065×45×3.0	5,299	4 960910 232778		
23278	S-102L 6 m*	6,065×45×3.0	6,345	4 960910 232785		

Features

- JIS Grade 1 (15 cm - 2 m)
- Polish finish offers both fine metallic luster and reasonable price
- Inch conversion chart and tap drill size chart on back (15 cm - 1 m)
- English package
- Made in Japan

Use

- For measuring length, drawing lines and marking

Specifications

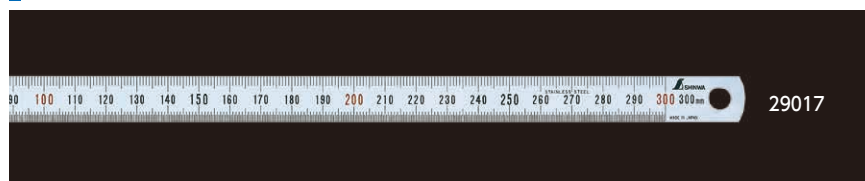
	21148	21156	21164	21172
Upper Graduation	1 mm pitch			
Lower Graduation	0.5 mm pitch			
Material	Stainless steel			

	21741	21768	23275
Upper Graduation	0.5 mm pitch for up to 10 cm		
Lower Graduation	1 mm pitch for the rest		
Material	Stainless steel		

	23276	23277	23278
Upper Graduation	1 mm pitch		
Lower Graduation	1 mm pitch		
Material	Stainless steel		

- Calibration certificate (JCSS) on p.253
- *Extra shipping fee charged separately.

Flexible Stainless Steel Rule Hard Chrome Finish [Metric]



Item Code	Description	Overall Length×Width×Thickness (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
29017	H-701C 30 cm	325×15×0.5	18	4 960910 290174	50	
29025	H-701E 60 cm	630×15×0.5	35	4 960910 290259		
29033	H-701F 1 m	1,030×15×0.5	60	4 960910 290334	10	

Features

- Narrower and thinner rule with flexibility
- Its quality is the same as JIS products
- Can be used to match curved surfaces
- English package
- Made in Japan

Use

- For measuring curves or attaching to machines

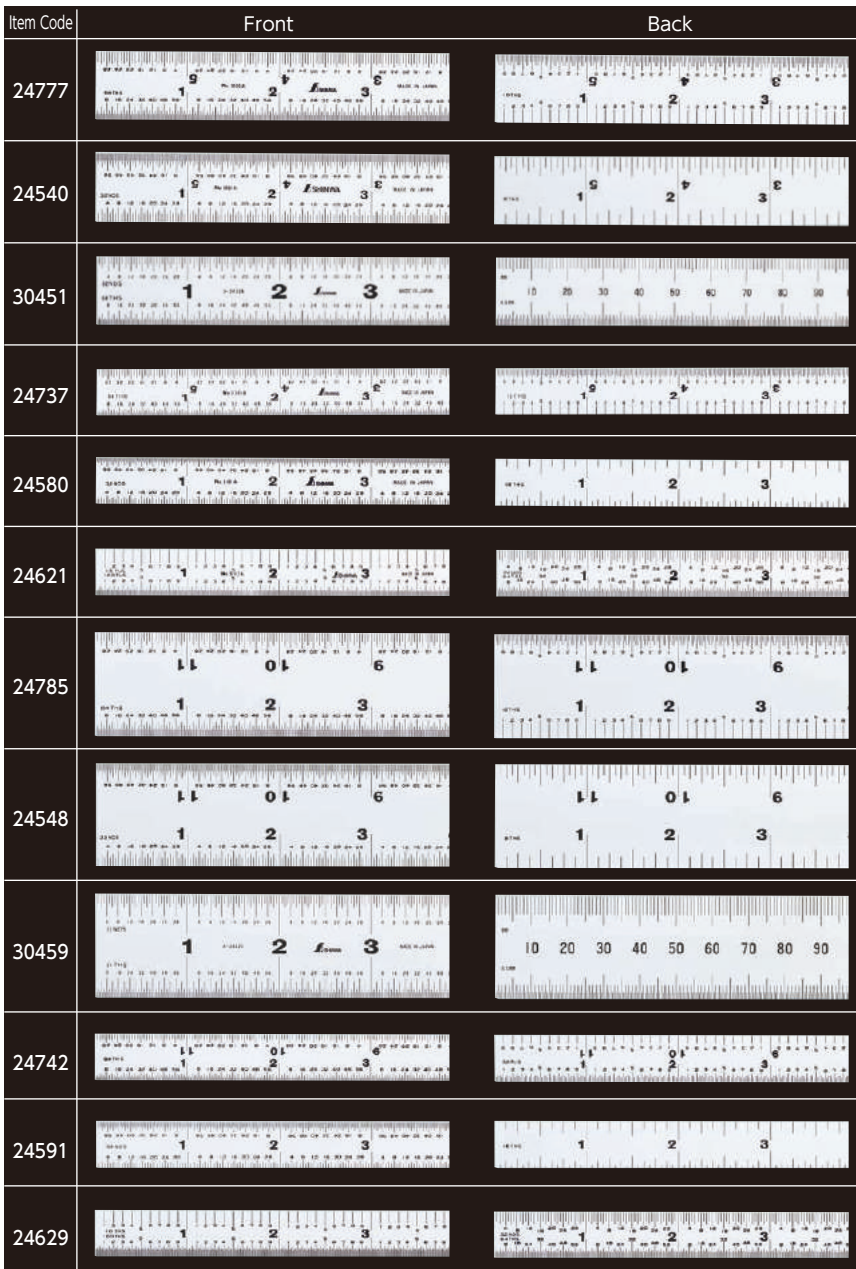
Specifications

	29017	29025	29033
Upper Graduation	1 mm pitch		
Lower Graduation	0.5 mm pitch		
Material	Stainless steel		

- Calibration certificate (JCSS) on p.253

Carpenter's Squares
Stainless Steel Rules/
Machine Scale
Aluminum Rules
Resin Rules/
Bamboo Rules
Squares/
Protractors
Vernier Calipers/
Micrometers
Tape Measures
Surveying Products
Scales
Levels
Lasers/
Optical Equipment
Inclines/
Chalklines/
Plumbholders
Circular Saw Guides
Construction Tools
Industrial Tools
Thermometers/
Hygrometers/
Sensors

Stainless Steel Rule Hard Chrome Finish



Features

- Hard chrome finish provides its surface with excellent durability and prevents glare on the scale for high readability
- Etching and plating finish maintains its performance even under harsh conditions
- English package
- Made in Japan

Use

- For measuring length, drawing lines and marking

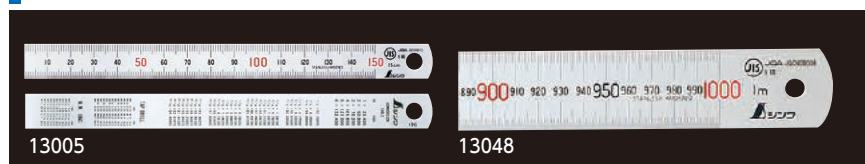
Specifications

24777	24737	24785	24742
1/32", 1/64", 1/10", 1/50"			
24540	24580	24548	24591
1/64", 1/32", 1/16", 1/8"			
24621	24629		
1/10", 1/100", 1/64", 1/32"			
30451	30459		
1/32", 1/64", 1.0 mm, 0.5 mm			

Item Code	Description	Overall Length×Width×Thickness (inch)	Weight (g)	JAN Code	Packing Unit	Packaging
24777	H-3302A 6"/6" Rigid 3R * En	6×0.75×0.03	17	4 960910 247772	25	V
24540	H-3001A 6"/6" Rigid 4R * En	6×0.75×0.03	17	4 960910 245402		
30451	H-3412A 6"/15 cm Rigid EM * En	6×0.75×0.03	17	4 960910 304512		
24737	H-3301A 6"/6" Flexible 3R * En	6×0.5×0.02	7	4 960910 247376	50	
24580	H-3101A 6"/6" Flexible 4R * En	6×0.5×0.02	7	4 960910 245808		
24621	H-3102A 6"/6" Flexible 5R * En	6×0.5×0.02	7	4 960910 246218		
24785	H-3302C 12"/12" Rigid 3R * En	12×1.375×0.04	66	4 960910 247857	25	
24548	H-3001C 12"/12" Rigid 4R * En	12×1.375×0.04	66	4 960910 245488		
30459	H-3412C 12"/30 cm Rigid EM * En	12×1.375×0.04	66	4 960910 304598		
24742	H-3301C 12"/12" Flexible 3R * En	12×0.5×0.02	15	4 960910 247420	50	
24591	H-3101C 12"/12" Flexible 4R * En	12×0.5×0.02	15	4 960910 245914		
24629	H-3102C 12"/12" Flexible 5R * En	12×0.5×0.02	15	4 960910 246294		

*Sold through Shinwa Measuring Tools Corp. only.

Stainless Steel Rule Hard Chrome Finish



Item Code	Description	Overall Length×Width×Thickness (mm)	Weight (g)	JAN Code	Packing Unit	Package
13005	15 cm JIS	175×15×0.5	10	4 960910 130050	50	
13013	30 cm JIS	335×25×1.0	65	4 960910 130135		
13021	60 cm JIS	640×30×1.2	180	4 960910 130210	10	
13048	1 m JIS	1,050×35×1.5	425	4 960910 130487		
13056	1.5 m JIS	1,565×40×2.0	950	4 960910 130562	5	
13064	2 m JIS	2,065×40×2.0	1,250	4 960910 130647		
13072	3 m*	3,065×40×3.0	2,865	4 960910 130722		

Features

- JIS Grade 1 (15 cm - 2 m)
- Hard chrome finish (matte processed) to prevent glare and make graduation easy to see
- Etching and plating finish maintains its performance even under harsh conditions
- Inch conversion chart and tap drill size chart on back (15 cm - 1 m)

Use

- For measuring length, drawing lines and marking

Specifications

Item Code	13005	13013	13021	13048
Upper Graduation	1 mm pitch			
Lower Graduation	0.5 mm pitch			
Material	Stainless steel			

Item Code	13056	13064	13072
Upper Graduation	0.5 mm pitch for up to 10 cm 1 mm pitch for the rest		
Lower Graduation	1 mm pitch		
Material	Stainless steel		

● Calibration certificate (JCSS) on p.253
 *Extra shipping fee charged separately.

Stainless Pickup Rule Hard Chrome Finish



Item Code	Description	Overall Length×Width×Thickness (mm)	Weight (g)	JAN Code	Packing Unit	Package
13128	10 cm	120×15×0.5	7	4 960910 131286	50	
13131	15 cm JIS	175×15×0.5	10	4 960910 131316		
13134	30 cm JIS	335×25×1.0	65	4 960910 131347	10	
13137	60 cm JIS	640×30×1.2	180	4 960910 131378		
13140	1 m JIS	1,050×35×1.5	425	4 960910 131408	5	

Features

- JIS Grade 1 (15 cm - 1 m)
- Bent end of the scale makes it easy to pick up



- Big numbers make it easy to read off
- Scale conversion chart on back

Use

- For measuring length, drawing lines and marking

Specifications

Graduation	1 mm pitch for both upper and lower
Material	Stainless steel

● Calibration certificate (JCSS) on p.253

Stainless Steel Rule Polish Finish



Item Code	Description	Overall Length×Width×Thickness (mm)	Weight (g)	JAN Code	Packing Unit	Package
14001	15 cm JIS	175×15×0.5	10	4 960910 140011	50	
14028	30 cm JIS	335×25×1.0	65	4 960910 140288		
14036	60 cm JIS	640×30×1.2	180	4 960910 140363	10	
14044	1 m JIS	1,050×35×1.5	425	4 960910 140448		
14052	1.5 m JIS	1,565×40×2.0	950	4 960910 140523	5	
14060	2 m JIS	2,065×40×2.0	1,250	4 960910 140608		
14079	3 m*	3,065×40×3.0	2,865	4 960910 140790		
14087	4 m*	4,065×45×3.0	4,253	4 960910 140875	1	
14095	5 m*	5,065×45×3.0	5,299	4 960910 140950		
14109	6 m*	6,065×45×3.0	6,345	4 960910 141094		

Features

- JIS Grade 1 (15 cm - 2 m)
- Polish finish offers both fine metallic luster and reasonable price
- Inch conversion chart and tap drill size chart on back (15 cm - 1 m)

Use

- For measuring length, drawing lines and marking

Specifications

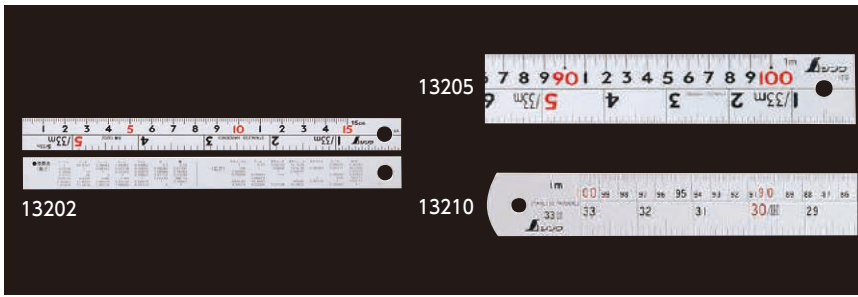
Item Code	14001	14028	14036	14044
Upper Graduation	1 mm pitch			
Lower Graduation	0.5 mm pitch			
Material	Stainless steel			

Item Code	14052	14060	14079
Upper Graduation	0.5 mm pitch for up to 10 cm 1 mm pitch for the rest		
Lower Graduation	1 mm pitch		
Material	Stainless steel		

Item Code	14087	14095	14109
Graduation	1 mm pitch for both upper and lower		
Material	Stainless steel		

● Calibration certificate (JCSS) on p.253
 *Extra shipping fee charged separately.

Stainless Steel Rule Hard Chrome Finish Metric/Shaku



Item Code	Description	Overall Length×Width×Thickness (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
13202	15 cm Double-left Reference Point	175×15×0.5	10	4 960910 132023	10	V
13203	30 cm Double-left Reference Point	330×25×1.0	64	4 960910 132030		
13204	60 cm Double-left Reference Point	635×30×1.2	175	4 960910 132047		
13205	1 m Double-left Reference Point	1,040×35×1.5	420	4 960910 132054		
13210	1 m Right Reference Point	1,050×35×1.5	425	4 960910 132108		

Refer to P. 2 about the shaku scale

Features

- Shaku graduation comes in handy for carpenters
- Double-left Reference Point model is such that when either the shaku or cm scale is on the upper level, that graduation's reference point reads from the left side edge. (13210, the reference point on both the upper and lower graduations reads from the right side edge)
- Scale conversion chart on back (13202/13203/13204/13205)
- Inch conversion chart and tap drill size chart on back (13210)

Use

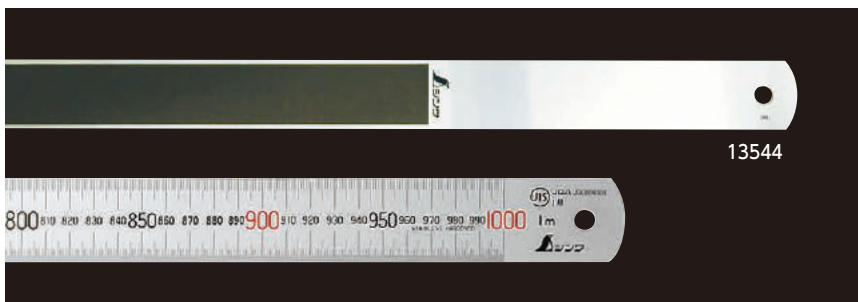
- For measuring length, drawing lines and marking

Specifications

Upper Graduation	1 mm pitch
Lower Graduation	Shaku
Material	Stainless steel

- Calibration certificate (JCSS)* on p.253
*Only for cm scale.

Stainless Steel Rule Hard Chrome Finish with Magnet



Item Code	Description	Overall Length×Width×Thickness (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
13501	15 cm JIS	175×15×1.3	15	4 960910 135017	10	V
13528	30 cm JIS	335×25×1.8	81	4 960910 135284		
13536	60 cm JIS	640×30×2.0	216	4 960910 135369		
13544	1 m JIS	1,050×35×2.3	487	4 960910 135444		

Features

- JIS Grade 1
- Magnetic sheet (0.8mm) attached on the back

Use

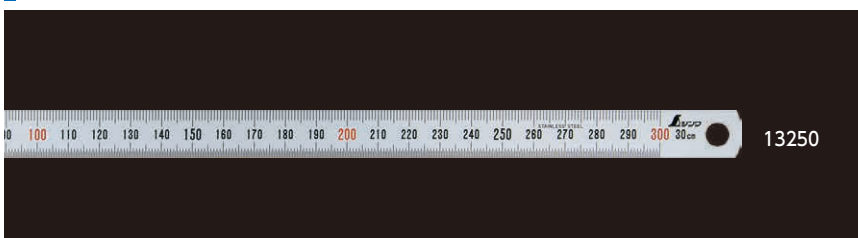
- For measuring length, drawing lines and marking

Specifications

Upper Graduation	1 mm pitch
Lower Graduation	0.5 mm pitch
Material	Stainless steel

- Calibration certificate (JCSS) on p.253

Flexible Stainless Steel Rule Hard Chrome Finish



Item Code	Description	Overall Length×Width×Thickness (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
13250	30 cm	325×15×0.5	18	4 960910 132504	50	V
13269	60 cm	630×15×0.5	35	4 960910 132696		
13277	1 m	1,030×15×0.5	60	4 960910 132771		
13285	1.5 m	1,530×15×0.5	87	4 960910 132856		
13293	2 m	2,030×15×0.5	115	4 960910 132931		

Features

- Narrower and thinner rule with flexibility
- Its quality is the same as JIS products
- Can be used to match curved surfaces

Use

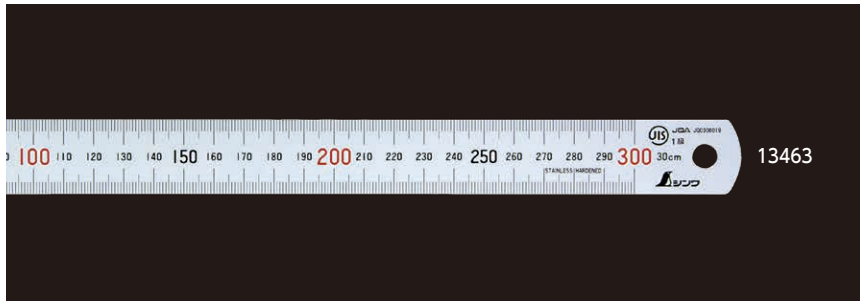
- For measuring curves or attaching to machines

Specifications

Item Code	13250	13269	13277	13285	13293
Upper Graduation	1 mm pitch				
Lower Graduation	0.5 mm pitch		1 mm pitch		
Material	Stainless steel				

- Calibration certificate (JCSS) on p.253

Stainless Steel Rule Hard Chrome Finish 1 mm Dividing *Made-to-order



Item Code	Description	Overall Length×Width×Thickness (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
13404	15 cm JIS	175×15×0.5	10	4 960910 134041	50	
13463	30 cm JIS	335×25×1.0	65	4 960910 134638		
13412	60 cm JIS	640×30×1.2	180	4 960910 134126	10	
13498	1 m JIS	1,050×35×1.5	425	4 960910 134980		

Features

- JIS Grade 1
- Easy-to-read 1 mm pitch for a situation that does not require detailed graduations
- Inch conversion chart and tap drill size chart on back

Use

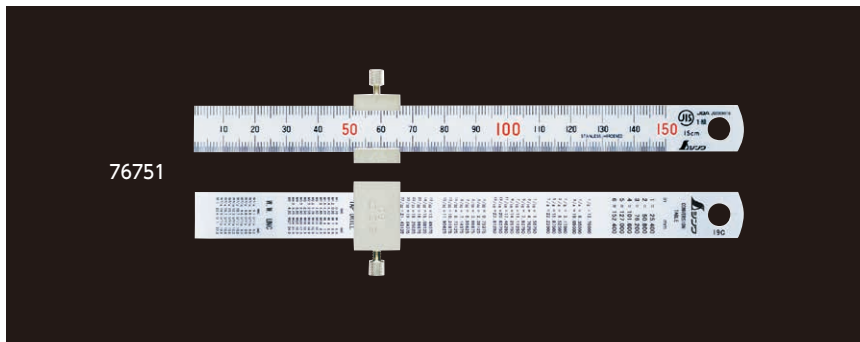
- For measuring length, drawing lines and marking

Specifications

Graduation	1 mm pitch for both upper and lower
Material	Stainless steel

- Calibration certificate (JCSS) on p.253

Stainless Steel Rule Hard Chrome Finish with Stopper



●Parts are listed from p.243

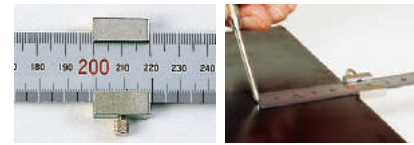
Item Code	Description	Overall Length×Width×Thickness (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
76751	15 cm JIS	175×22(15)×5(0.5)	20	4 960910 767515	10	
76752	30 cm JIS	335×35(25)×6(1.0)	90	4 960910 767522		

Features

- JIS Grade 1
- Attached stopper enables it to hold and measure depth more easily and accurately

Use

- For marking, measuring length, depth and height of step



Specifications

Upper Graduation	1 mm pitch
Lower Graduation	0.5 mm pitch
Material	Rule: Stainless steel Stopper: Brass (Nickel plating)

- Calibration certificate (JCSS) on p.253

Rule Stopper



●Parts are listed from p.243

Item Code	Description	Overall Length×Width×Thickness (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
76745	for 15 cm Rule	15×22×5	9	4 960910 767454	10	
76746	for 30 cm Rule	20×35×6	23.5	4 960910 767461		
76747	for 60 cm Rule	20×40×6	24	4 960910 767478	5	
76748	for 1 m Rule	20×50×6	30	4 960910 767485		
76749	for 1.5 and 2 m Rule	20×55×8	42.5	4 960910 767492		

Features

- Attaches to a ruler to make it easier to hold and measure depth more easily and accurately

Use

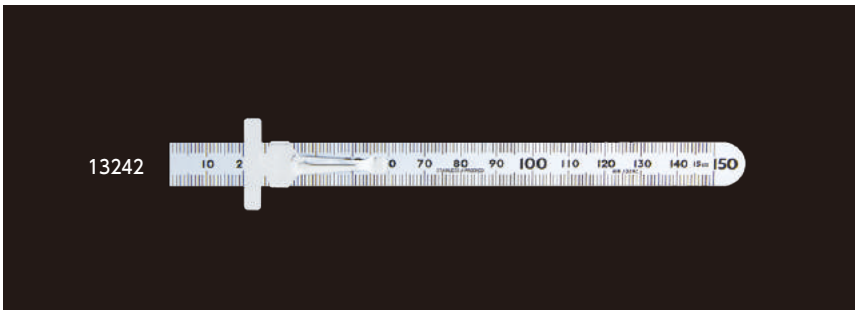
- For marking, or measuring length, depth and height of step

Specifications

Item Code	76745	76746	76747	76748	76749
Suitable Size (Width × Thickness)	15 × 0.5 mm	25 × 1.0 mm	30 × 1.2 mm	35 × 1.5 mm	40 × 2.0 mm
Material	Brass (Nickel plating)				

Carpenter's Squares
Stainless Steel Rules/Machine Scale
Aluminum Rules
Resin Rules/Bamboo Rules
Squares/Protractors
Vernier Calipers/Micrometers
Tape Measures
Surveying Products
Scales
Levels
Lasers/Optical Equipment
Inklines/Chalklines/Plumbholders
Circular Saw Guides
Construction Tools
Industrial Tools
Thermometers/Hygrometers/Scientific Measuring Instruments
Outdoor Products
Magnifying Glasses
Drawing Tools
Magnets

Stainless Steel Rule Mini



Item Code	Description	Overall Length×Width×Thickness (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
13242	Hard Chrome Finish 15 cm CAL	160×26×0.5 Rule Width: 12	8	4 960910 132429	20	V
14249	Polish Finish 15 cm CAL	160×26×0.5 Rule Width: 12	8	4 960910 142497		

Features

- Clip for securing in a pocket
- It can also be used as a depth gauge by sliding the clip
- Easy to carry around
- Inch conversion chart on the back

Use

- For measuring length and depth

Specifications

Graduation	Upper and lower: 1 mm pitch
Material	Stainless steel

- Calibration certificate (JCSS) on p.253

6-folding Stainless Steel Rule Polish Finish



Item Code	Description	Overall Length×Width×Thickness (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
63770	1 m	1,000×15×0.5	64	4 960910 637702	10	VH

Features

- This 1 m scale can be folded into six parts to carry and store easily

Use

- For measuring length, drawing lines and marking

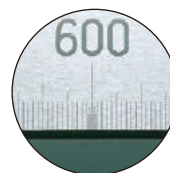
Specifications

Graduation	Upper and lower: 1 mm pitch
Material	Stainless steel

Precision Stainless Steel Rule Polish Finish with JCSS Certificate



14115



Graduations for Instrumental error

with JCSS Certificate *1

*1 Measuring points at every 100 mm (only bottom side scale)

Item Code	Description	Overall Length×Width×Thickness (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
14113	30 cm *2 CAL	310×30×10	724	4 960910 141131	1	B
14114	60 cm *2 CAL	610×30×10	1,425	4 960910 141148		
14115	1 m CAL	1,010×30×10	2,360	4 960910 141155		

*2 30 cm and 60 cm models are made-to-order items.

Features

- Rules for examination or calibration
- Comes with a premium wooden box

Use

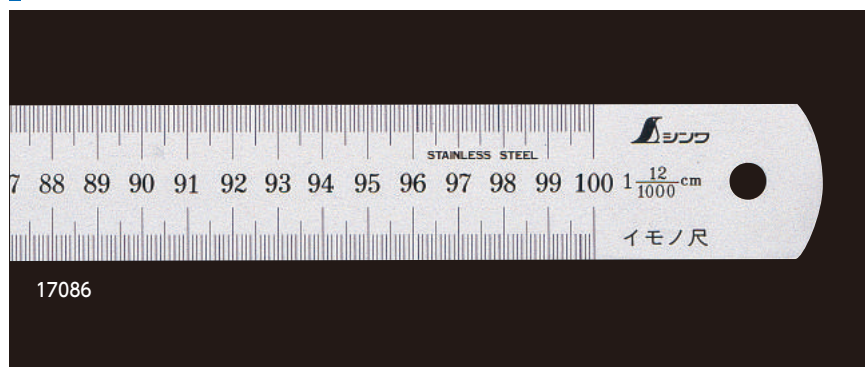
- For calibration of all types of measuring instruments

Specifications

Material	Stainless steel
Graduations for Instrumental Error	0.25 mm pitch (1 mm before and behind) on 30 cm, 60 cm, 1 m
Graduations	1 mm pitch except for graduations for instrumental error
Graduations Line Width	0.1 - 0.2 mm
Length Tolerance	±0.06 mm
Coefficient of Linear Expansion	10.3 × 10 ⁻⁶ /°C

- Calibration certificate (JCSS) on p.253

Molding Rule



Features

- Handy for creating wood or metal molds for casting
- Hard chrome finish (matte processed) prevents glare on the scale, making it easier to read

Use

- For creating wood or metal molds for casting

Specifications

Material	Stainless steel
----------	-----------------

Description	Overall Length×Width×Thickness (mm)	Weight (g)	Packing Unit	Packaging
15 cm ○○/1000	182×15×0.5	11	10	
30 cm ○○/1000	345×25×1.0	66		
60 cm ○○/1000	651×30×1.2	185		
1 m ○○/1000	1,060×35×1.5	435		
2 m ○○/1000	2,085×40×2.0	1,275	1	

■ 12/1000

This means that 1 cm measured on molding rule is actually 1.012 cm

The length and weight are based on 10/1000 model. They will vary depending on percent elongation.

Item Code list

Blue frames indicate stock items. Others are made-to-order items including (-). We can provide a separate estimate for sizes and percent elongation other than those listed below.

Length	○/1000	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
15 cm		81738	46800	—	18003	18004	14932	—	18007	—	18015	19005	18023	18024	81657	18031
30 cm		—	15000	15296	15008	15016	15024	15032	15040	15059	15067	15261	15075	15083	15091	15105
60 cm		81737	16000	16381	16004	16012	16020	16039	16047	16055	16063	16365	16071	16098	16101	16128
1 m		—	17001	17345	17000	17019	17027	17035	17043	17051	17078	17353	17086	17094	17108	17116
2 m		—	18500	14050	—	73879	—	83803	18503	18686	18511	18499	18538	18678	18546	18554

Length	○/1000	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
15 cm		19006	14938	14939	67845	18058	—	18066	77785	77196	18074	—	14950	77673	—	18082
30 cm		15113	15121	15148	15334	15156	15288	15164	15172	15180	15199	15202	15210	15229	18090	15237
60 cm		16136	16144	16152	16160	16179	16373	16187	16195	16209	16217	16225	16233	16241	14900	16268
1 m		17124	17132	17140	17159	17167	17361	17175	17183	17191	17205	—	17221	17248	75416	17256
2 m		18562	18570	18589	18597	18600	—	18619	65204	15380	18627	—	14945	65205	—	18635

What are molding rules?

● Molding rules are the ideal rules used for measuring the dimensions of wood or metal molds when creating them for casting. A casting is created by pouring melted cast metal into a mold and leaving it until solidified. As the casting contracts during the cooling down process, the molds are made a little bit bigger to account for the contraction. Since the contraction percentage varies depending on metals, size and foundries, various molding rules with different enlargement ratios are needed.



Carpenter's Squares
Stainless Steel Rules/Machine Scale
Aluminum Rules
Resin Rules/Bamboo Rules
Squares/Protractors
Vernier Calipers/Micrometers
Tape Measures
Surveying Products
Scales
Levels
Lasers/Optical Equipment
Inklines/Gauges/Punchholders
Circular Saw Guides
Construction Tools
Industrial Tools
Thermometers/Hygrometers/Scientific Measuring Instruments
Outdoor Products
Magnifying Glasses
Drawing Tools
Magnets

Rules Specifications

*Varies depending on length

Items	Base	Numerical Unit		Graduation Pitch					
		Zero Point at Edge	mm	cm	Upper Graduation		Lower Graduation		
					0.5 mm	1 mm	0.5 mm	1 mm	Shaku
Stainless Steel Rule Hard Chrome Finish	●	●			●	●*			
Stainless Steel Rule Hard Chrome Finish Metric x Shaku	●		●		●			●	
Stainless Pickup Rule Hard Chrome Finish	●		●		●		●		
Stainless Steel Rule Polish Finish	●	●			●	●*			
Stainless Steel Rule Hard Chrome Finish with Scale Stopper	●	●			●	●			
Stainless Steel Rule Hard Chrome Finish with Magnet	●	●			●	●			
Stainless Steel Rule Hard Chrome Finish 1 mm Dividing	●	●			●		●		
Stainless Steel Rule Hard Chrome Finish Flex Ruler 15 mm Width	●	●			●	●			
Stainless Steel Rule Mini	●	●			●		●		
Molding Rule	●		●		●		●		

■ Material less than 2 m: Stainless steel SUS420J2 Over 3 m: Stainless steel SUS304
 SUS420J2 has a baked finish. SUS304 doesn't have a baked finish.
 Length tolerance* over 3 m: 3 m±0.5 mm, 4 m±0.65 mm, 5 m±0.8 mm, 6 m±0.95 mm
 (SUS (STEEL USE STAINLESS) is rust-resistant steel. HV (HARD VICKERS) is a unit of hardness.)
 *The tolerance of Length is taking the reference temperature at 20 degrees

Metal Rules Grade 1 of JIS B7516 (abstract) 150 - 2,000 mm
 as of October 2021

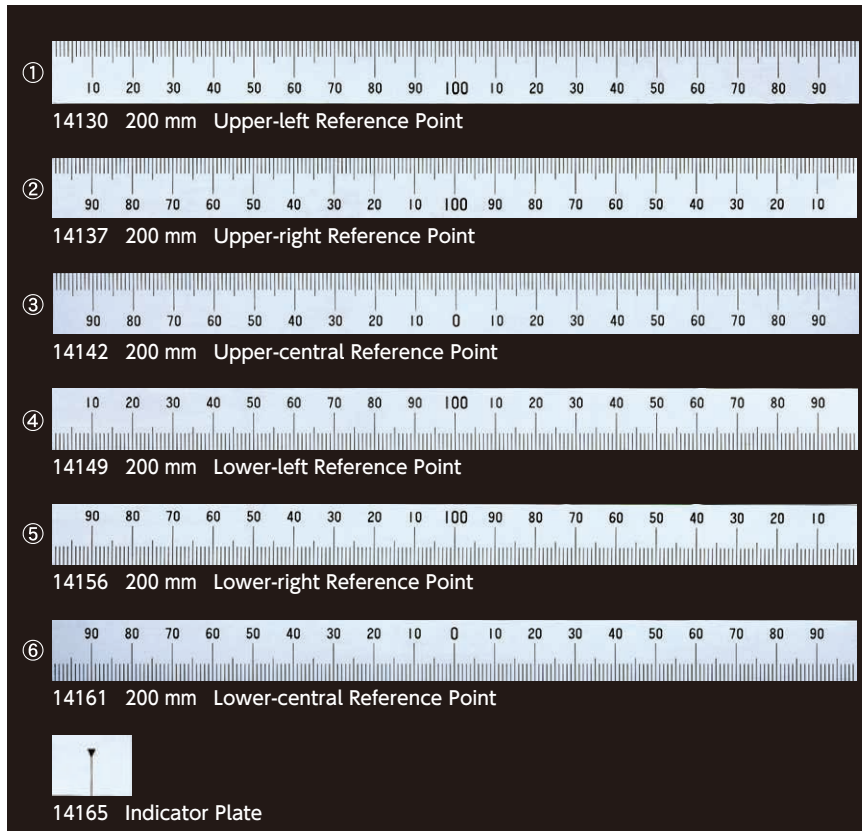
Standard	Grade 1 of JIS B7516: 2005						
Material	SUS420 J2 of JIS G 4305 or that equivalent or superior to this in quality						
Hardness of Material	Hv400 min						
Size (Unit : mm)	Nominal Size	Overall Length (L)		Thickness (T)		Width (W)	
		Size	Tolerance	Size	Tolerance	Size	Tolerance
	150	175	±5 mm	0.5	±10%	15	±2%
	300	335		1.0		25	
	600	640		1.2		30	
	1,000	1,050		1.5		35	
	1,500	1,565		2.0		40	
2,000	2,065	2.0		40			
Flatness of Scale Face	The scale face shall be flat to a level of no hindrance to measurements						
Straightness of Scale Side Face (Unit : mm)	Nominal Size	Straightness	Nominal Size	Straightness			
	150	0.23 max	1,000	0.40 max			
	300	0.26 max	1,500	0.50 max			
	600	0.32 max	2,000	0.60 max			
Squareness of Scale End Face	The squareness of the scale end face of a rule in respect of its scale side shall be 0.035mm max per 10 mm length of the end face						
Tolerance of Length (Unit : mm) *Temperature at 20°C	Length		Tolerance				
	500 max		±0.15				
	over 500 - 1,000 max		±0.20				
	over 1,000 - 1,500 max		±0.25				
	over 1,500 - 2,000 max		±0.30				

Conversion table

Items	Inch Conversion Chart (TAP DRILL WWJUNC)	Measurement Conversion Chart			
		Length	Width	Weight	Volume
Hard Chrome Finish 15 cm	●				
30 cm	●				
60 cm	●				
1 m	●				
Metric x Shaku 15 cm left		●	●		
30 cm left		●	●		
60 cm left		●	●	●	
1 m left		●	●	●	●
1 m right	●				
Polish Finish 15 cm	●				
30 cm	●				
60 cm	●				
1 m	●				
Pickup 10 cm		●			
15 cm		●	●		
30 cm		●	●		
60 cm		●	●	●	
1 m		●	●	●	●
With Scale Stopper 15 cm	●				
30 cm	●				
1mm Dividing 15 cm	●				
30 cm	●				
60 cm	●				
1 m	●				
Mini 15 cm	●				

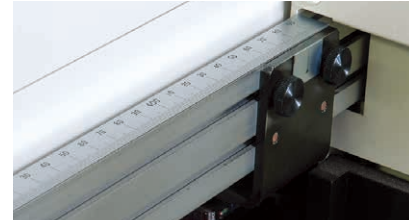
■ All of our stainless steel rules that are compatible with Japanese Industrial Standard (JIS) under the specifications above display a JIS mark. Although some of our rules do not have the JIS mark displayed because they exceed JIS specifications due to unusual graduations, shapes, or sizes, all of our products whether compatible or not have gone through strict product inspections based on the JIS specifications above to provide safe, high-quality products.

Machine Scale



Features

- Hard chrome finish (matte processed) to prevent glare and make graduation easy to see
- Can be installed on equipment to facilitate adjustments by graduation and size confirmation during processing, etc.
 *For installation separate double-sided tape or an adhesive will be necessary. We can make holes for screw-fastening. (Please see the table below.)



Use

- For attaching to machines

Specifications

Precision	The precision is based on "Metal Rules Grade 1 of JIS" from page 36
Graduation	1 mm pitch (machine scale only)
Material	Stainless steel
Body Size	Machine Scale: 15 x 0.5 mm Indicator Plate: 20 x 15 x 0.5 mm

Without Holes

Graduation	Item Code	Description	Graduation	Item Code	Description
① Upper left	14127	50 mm	④ Lower left	14146	50 mm
	14128	100 mm		14147	100 mm
	14129	150 mm		14148	150 mm
	14130	200 mm		14149	200 mm
	14131	300 mm		14150	300 mm
	14132	500 mm		14151	500 mm
② Upper right	14134	50 mm	⑤ Lower right	14153	50 mm
	14135	100 mm		14154	100 mm
	14136	150 mm		14155	150 mm
	14137	200 mm		14156	200 mm
	14138	300 mm		14157	300 mm
③ Upper central	14139	500 mm	⑥ Lower central	14158	500 mm
	14141	100 mm		14160	100 mm
	14142	200 mm		14161	200 mm
	14143	300 mm		14162	300 mm
	14144	500 mm	14163	500 mm	

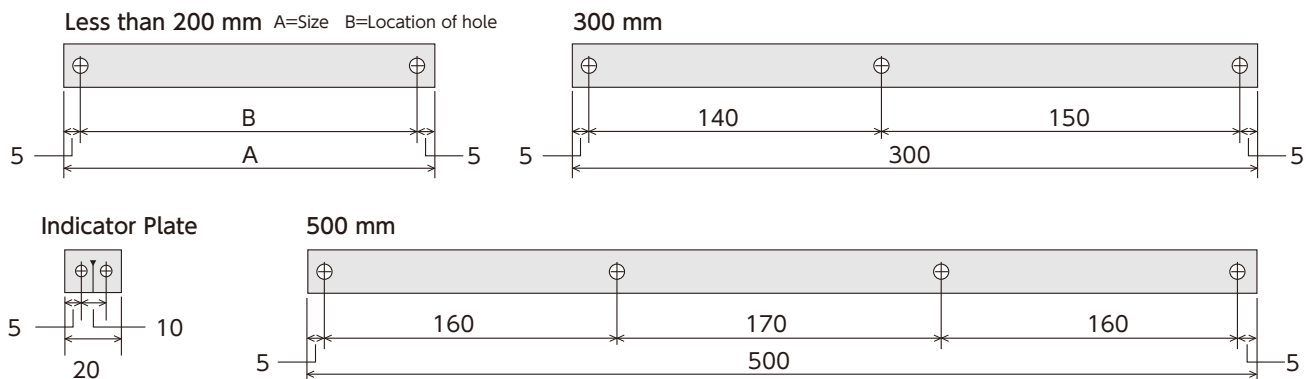
Indicator Plate

Item Code	Description
14165	Indicator Plate for Machine Scale

Hole Making Fee (made-to-order)

Please ask us about our fees for hole-making. Hole positions are as shown in the figure below.

Hole Positions (hole diameter 3.5 mm)



Carpenter's Squares
Stainless Steel Rules/Machine Scale
Aluminum Rules
Resin Rules/Bamboo Rules
Squares/Protractors
Vernier Calipers/Micrometers
Tape Measures
Surveying Products
Scales
Levels
Lasers/Optical Equipment
Inclines/Chalklines/Plumbholders
Circular Saw Guides
Construction Tools
Industrial Tools
Thermometers/Highmeters/Scissors
Outdoor Products
Magnifying Glasses
Drawing Tools
Magnets

3. Aluminum Rules



Scan here to see videos of various products



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



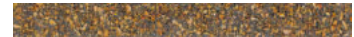
Avoid using for precision measurements as aluminum can expand and contract due to a temperature change. Based on a temperature of 20°C, a 10°C change generates a 0.235 mm expansion or contraction per 1 m.

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



Use

- For measuring the length, drawing lines, and cutting

Specifications

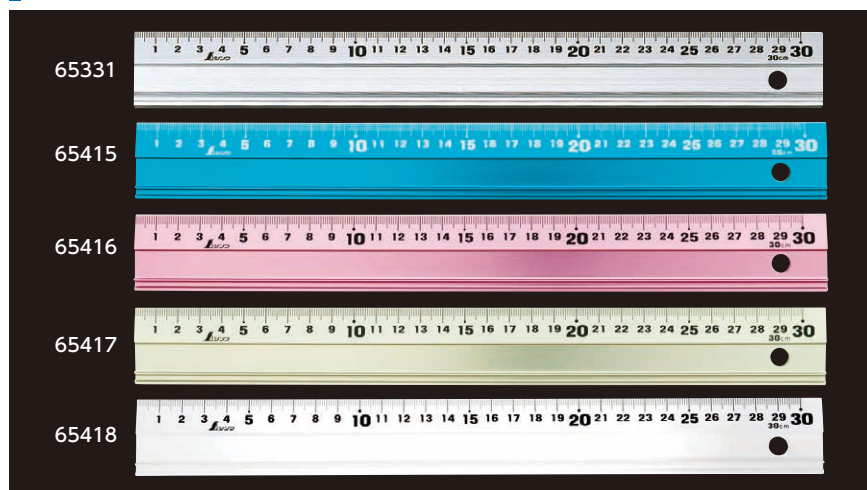
Item Code	65340	65363	65378	65387
Length Tolerance	±0.20 mm	±0.25 mm	±0.28 mm	±0.40 mm
Material	Aluminum			

*Length tolerance is the accuracy measured at normal temperature 20°C

Item Code	Description	Overall Length×Width×Thickness (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
65340	30 cm	310×35×5	90	4 960910 653405	20	
65363	45 cm	460×35×5	130	4 960910 653634		
65378	60 cm	610×35×5	180	4 960910 653788		
65387	1 m	1,010×35×5	300	4 960910 653870		

- New catalog items English package With red numbers Japanese zodiac signs cm/shaku (Upper side (or Front) metric/ Lower side (or Back) shaku) shaku/cm (Upper side (or Front) shaku/ Lower side (or Back) metric) With magnet
 Optional JCSS certificate With non-slip pad With battery Lithium-ion battery Vial with luminous sheet With groove for slider With stopper With direction arrow Oil

Aluminum Rule with Non-slip Pad

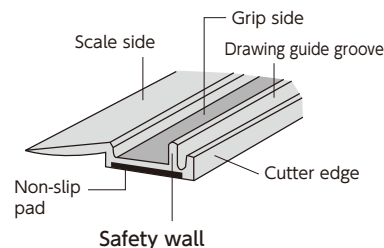


●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
65331	30 cm	310×35×5	52	4 960910 653313	20	
65415	30 cm Blue	310×35×5	52	4 960910 654150	20	
65416	30 cm Pink	310×35×5	52	4 960910 654167	20	
65417	30 cm Gold	310×35×5	52	4 960910 654174	20	
65418	30 cm White	310×35×5	55	4 960910 654181	20	
65358	45 cm	460×35×5	79	4 960910 653580	20	
65423	45 cm Blue	460×35×5	79	4 960910 654235	20	
65424	45 cm Pink	460×35×5	79	4 960910 654242	20	
65425	45 cm Gold	460×35×5	79	4 960910 654259	20	
65426	45 cm White	460×35×5	85	4 960910 654266	20	
65374	60 cm	610×35×5	106	4 960910 653740	20	
65434	60 cm Blue	610×35×5	106	4 960910 654341	20	
65435	60 cm Pink	610×35×5	106	4 960910 654358	20	
65436	60 cm Gold	610×35×5	106	4 960910 654365	20	
65437	60 cm White	610×35×5	115	4 960910 654372	20	
65382	1 m	1,010×35×5	173	4 960910 653825	10	
65442	1 m Blue	1,010×35×5	173	4 960910 654426	10	
65443	1 m Pink	1,010×35×5	173	4 960910 654433	10	
65444	1 m Gold	1,010×35×5	173	4 960910 654440	10	
65445	1 m White	1,010×35×5	190	4 960910 654457	10	

Features

- Bold, easy-to-read graduations
- Light, durable, rust-resistant
- Non-slip pad attached to the back so rule can be held with light pressure
- Choose your favorite color



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

Use

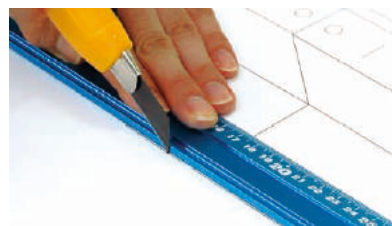
- For measuring length, drawing lines, and cutting

Specifications

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

*Length tolerance is the accuracy when measured at normal temperature 20°C

Back (non-slip pad)



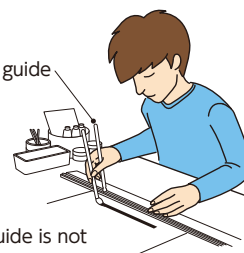
Aluminum Rule

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
65498	15 cm	160×35×5	28	4 960910 654983	20	
65501	30 cm	310×35×5	51	4 960910 655010	20	
65528	45 cm	460×35×5	76	4 960910 655287	20	
65536	60 cm	610×35×5	102	4 960910 655362	20	
65544	1 m	1,010×35×5	169	4 960910 655447	10	

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



Drawing guide is not included.

Aluminum Cutting Rule PROTECT



65065



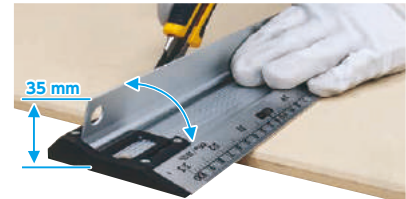
65066

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
65065	70 cm/shaku	720×80×15	650	4 960910 650657	2	V
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
- Non-slip rubber pad allows it to fix securely



Use

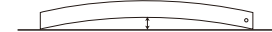
- For measuring length, drawing lines, cutting, guiding a circular saw

Specifications

Item Code	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	Stopper: Rubber
	Side-cap: Polyacetal resin			

*Length tolerance is the accuracy when measured at normal temperature 20°C
 *Straightness tolerance is the warpage of the sides.

How to measure straightness



Aluminum Cutting Rule EX



65030



65032

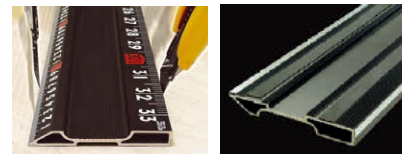
●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
65030	60 cm/shaku	625×88×11	500	4 960910 650305	2	V
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



- Non-slip rubber pad allows it to fix securely
- 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

Item Code	65030	65032	65034	65036	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 20°C
 *Straightness tolerance is the warpage of the sides.

How to measure straightness



*Extra shipping fee charged separately.

Aluminum Cutting Rule EX with Handle



65033

●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
65031	60 cm/shaku	625×88×68	650	4 960910 650312	2	V
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

Aluminum Cutting Rule



●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
65086	60 cm/shaku	625×60×9	370	4 960910 650862	5	
65088	1 m/shaku Left Reference Point	1,020×60×9	579	4 960910 650886		
33421	1 m	1,020×60×9	579	4 960910 334212		
65090	1 m/shaku	1,020×60×9	579	4 960910 650909		
65094	1.5 m/shaku	1,535×60×9	912	4 960910 650947		
65091	2 m/shaku	2,020×60×9	1,250	4 960910 650916	1	
65092	2.5 m/shaku*	2,540×60×9	1,560	4 960910 650923		

Refer to P. 2 about the shaku scale

Aluminum Cutting Rule with Handle

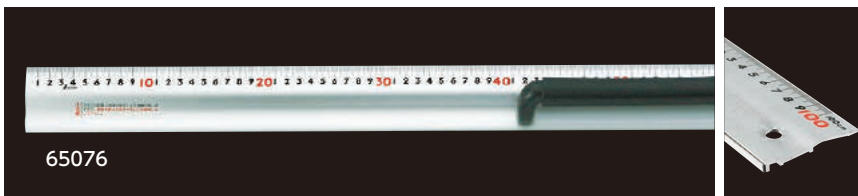


●Parts are listed from p.243

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

Refer to P. 2 about the shaku scale

Aluminum Cutting Rule Light

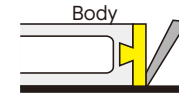


●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
65075	1 m	1,020×56×5.5	382	4 960910 650756	5	
65076	1 m with Handle	1,020×56×52	460	4 960910 650763	2	

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. (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

Item Code	65086 65098	65088 65090 65093 33421 33423	65094 65096	65091 65097	65092
Length Tolerance	±0.28 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	33421,33423 Scale Side: cm Cutter Side: cm 65088 Scale Side: shaku Cutter Side: cm Others Scale Side: cm Cutter Side: shaku				
Material	Main Part: Aluminum Edge: Stainless steel Handle: ABS resin, elastomer resin Stopper: Rubber				

*Length tolerance is the accuracy when measured at normal temperature 20°C
 *Straightness tolerance is the warpage of the sides.

How to measure straightness



*Extra shipping fee charged separately.

Features

- Lightweight design
- Bold, easy-to-read graduations
- Light, durable, rust-resistant
- With sponge 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, drawing lines, and cutting
- For pasting wall paper

Specifications

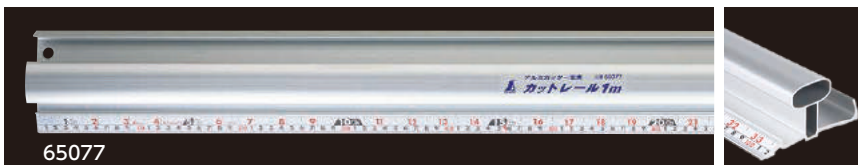
Length Tolerance	±0.4 mm
Straightness Tolerance	Below 0.4 mm
Material	Main Part: Aluminum Edge: Stainless steel Handle: ABS resin

*Length tolerance is the accuracy when measured at normal temperature 20°C
 *Straightness tolerance is the warpage of the sides.

How to measure straightness



Cut Rail



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
65077	1 m/shaku	1,020×100×50	1,600	4 960910 650770	1	
65078	2 m/shaku	2,020×100×50	3,000	4 960910 650787		

Refer to P. 2 about the shaku scale

Features

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

Use

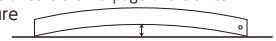
- For measuring length, drawing lines, and cutting

Specifications

Item Code	65077	65078
Length Tolerance	±0.4 mm	±0.7 mm
Straightness Tolerance	Below 0.45 mm	Below 0.60 mm
Material	Main Part: Aluminum Stopper: Rubber	Edge: Stainless steel

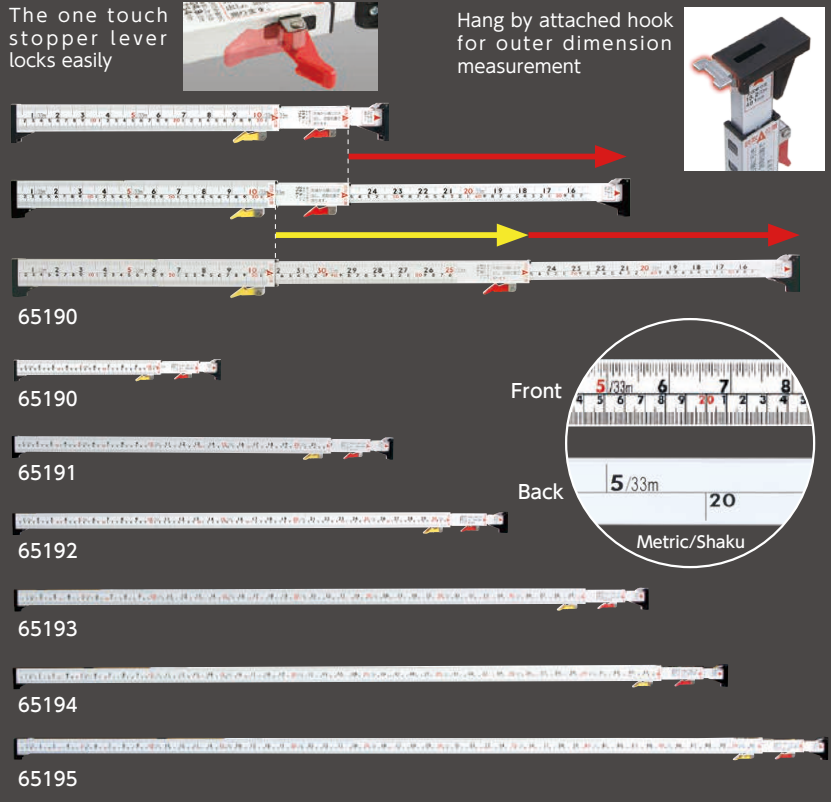
*Length tolerance is the accuracy when measured at normal temperature 20°C
 *Straightness tolerance is the warpage of the sides.

How to measure straightness



Carpenter's Squares
 Stainless Steel Rules / Machine Scale
 Aluminum Rules
 Resin Rules / Bamboo Rules
 Squares / Protractors
 Vernier Calipers / Micrometers
 Tape Measures
 Surveying Products
 Scales
 Levels
 Lasers / Optical Equipment
 Incliners / Chalklines / Plumblines
 Circular Saw Guides
 Construction Tools
 Industrial Tools
 Thermometers / Hygrometers / Scientific Measuring Instruments
 Outdoor Products
 Magnifying Glasses
 Drawing Tools
 Magnets

Telescopic Measure One Direction II



●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
65190	A 3 shaku 2 sun	Width×Thickness Tip end 33×22 47×23	300	4 960910 651906	5	V
65191	AB 6 shaku 6 sun	Width×Thickness Tip end 33×22 47×23	530	4 960910 651913		
65192	B 9 shaku 3 sun	Width×Thickness Tip end 33×22 47×23	710	4 960910 651920		
65193	C 12 shaku	Width×Thickness Tip end 33×22 47×23	890	4 960910 651937		
65194	D 13 shaku 5 sun	Width×Thickness Tip end 33×22 47×23	990	4 960910 651944		
65195	E 15 shaku 5 sun	Width×Thickness Tip end 33×22 47×23	1,120	4 960910 651951		

Refer to P. 2 about the shaku scale

Features

- Expands three times in length
- Can be read off at hand. Easy one-person use.
- Plastic end will not scratch walls and ceilings
- Hang by attached hook for outer dimension measurement
- Bold, easy-to-read graduations
- Ideal for measuring ceiling height without switching hands
- One-touch stopper lever adopted to significantly improve durability and ease of locking
- Tape at the back can be used for marking and notes
- Large caps on both ends and graduation close to the edges are convenient for scribing



Use

- For interior finish work, installment of fittings, doors, stair work, plumbing work, masonry work, etc.
- For inner dimension measurement of areas with closet storage space, floor cupboards, and crown molding (65190/65191)
- For shaku measures and ken measures (65192/65193/65194/65195)

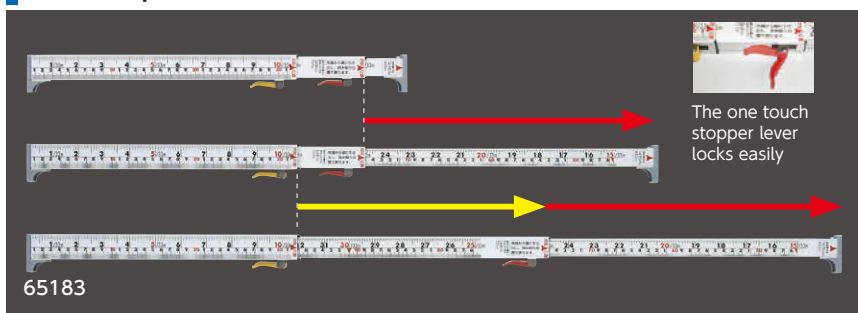
Specifications

Item Code	65190	65191	65192
Length Tolerance	±1.0 mm up to 2 m, ±0.5 mm/m over 2 m		
Measuring Range	461 mm (1 shaku 5 sun 2 bu)	810 mm (2 shaku 6 sun 7 bu)	1,078 mm (3 shaku 5 sun 6 bu)
	970 mm (3 shaku 2 sun)	2,017 mm (6 shaku 6 sun 6 bu)	2,821 mm (9 shaku 3 sun 1 bu)
Material	Tip End: ABS resin Main Body: Aluminum Stopper Lever: Polycarbonate resin Joint Part: Polyacetal resin Hook for Outer Dimension Measurement: Stainless steel		

Item Code	65193	65194	65195
Length Tolerance	±1.0 mm up to 2 m, ±0.5 mm/m over 2 m		
Measuring Range	1,351 mm (4 shaku 4 sun 6 bu)	1,502 mm (4 shaku 9 sun 5 bu)	1,704 mm (5 shaku 6 sun 2 bu)
	3,640 mm (12 shaku 1 bu)	4,093 mm (13 shaku 5 sun 1 bu)	4,699 mm (15 shaku 5 sun 1 bu)
Material	Tip End: ABS resin Main Body: Aluminum Stopper Lever: Polycarbonate resin Joint Part: Polyacetal resin Hook for Outer Dimension Measurement: Stainless steel		

*Length tolerance is the accuracy when measured at normal temperature 20°C

Telescopic Measure One Direction [Metric/Shaku]



●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
65183	A 3 shaku 2 sun	Width×Thickness Tip end 30×19 45×19	270	4 960910 651838	5	V
65184	AB 6 shaku 3 sun	Width×Thickness Tip end 30×19 45×19	470	4 960910 651845		
65185	B 9 shaku 3 sun	Width×Thickness Tip end 30×19 45×19	660	4 960910 651852		
65186	C 12 shaku	Width×Thickness Tip end 30×19 45×19	830	4 960910 651869		
65188	E 15 shaku 5 sun	Width×Thickness Tip end 30×19 45×19	1,050	4 960910 651883		

Refer to P. 2 about the shaku scale

Features

- Expands three times in length
- Can be read off at hand. Easy one-person use.
- Ideal for measuring ceiling height without switching hands
- One-touch stopper lever for efficient operation
- Tape at the back can be used for marking and notes

Use

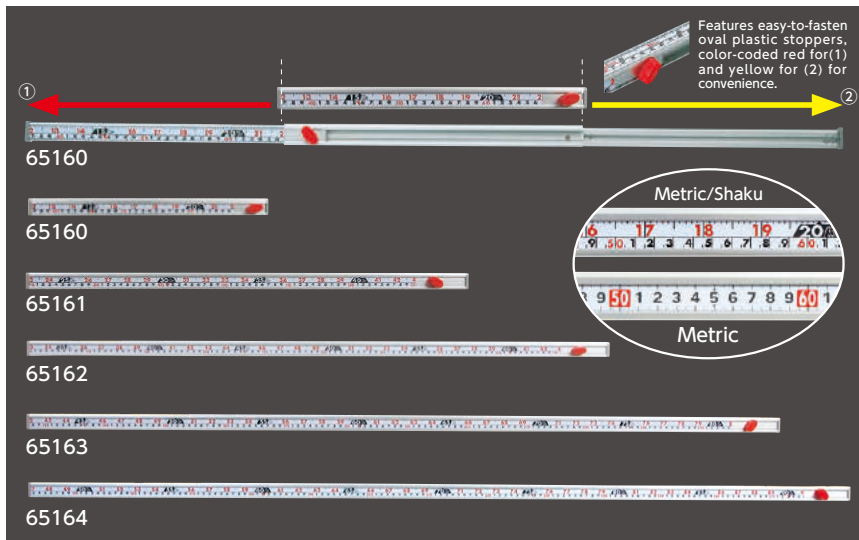
- For interior finish work, installment of fittings, doors, stair work, plumbing work, masonry work, etc.
- For inner dimension measurement of areas with closet storage space, floor cupboards, and crown molding (65183/65184)
- For shaku measures and ken measures (65185/65186/65188)

Specifications

Item Code	65183	65184	65185	65186	65188
Length Tolerance	±0.5 mm up to 1 m, ±0.5 mm/m over 1 m				
Measuring Range	45.5 cm (1 shaku 5 sun)	77.3 cm (2 shaku 5 sun 5 bu)	107.6 cm (3 shaku 5 sun 5 bu)	134.8 cm (4 shaku 4 sun 5 bu)	169.5 cm (5 shaku 5 sun 9 bu)
	97.0 cm (3 shaku 2 sun)	190.9 cm (6 shaku 3 sun)	281.8 cm (9 shaku 3 sun)	363.6 cm (12 shaku)	469.7 cm (15 shaku 5 sun)
Material	Main Part: Aluminum Upper and Lower Caps: Impact resistant PA resin Stopper Lever: ABS resin				

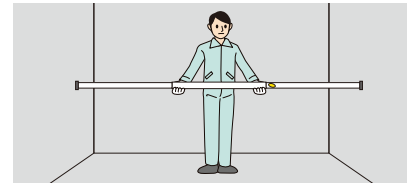
*Length tolerance is the accuracy when measured at normal temperature 20°C

Telescopic Measure Two Directions [Metric/Shaku]



Features

- Expands three times in length
- Can be read off at hand. Easy one-person use.
- Plastic end will not scratch walls and ceilings
- Bold, easy-to-read graduations
- Center remains static as it expands in two directions. This makes it optimal particularly when extending the measure left and right for inner dimension measurement.



Use

- For interior finish work, installment of fittings, doors, stair work, plumbing work, masonry work, etc.
- For inner dimension measurement of areas with closet storage space, floor cupboards, and crown molding (65160/65161/65107/65108)
- For shaku measures and ken measures (65162/65163/65164/65109/65105/65106)

Specifications

Item Code	65160	65161	65162	65163	65164
Length Tolerance	±0.4 mm	±0.6 mm	±0.8 mm	±0.9 mm	±1.0 mm
Measuring Range	36.4 cm (1 shaku 2 sun)	69.7 cm (2 shaku 3 sun)	100.0 cm (3 shaku 3 sun)	127.3 cm (4 shaku 2 sun)	142.4 cm (4 shaku 7 sun)
	97.0 cm (3 shaku 2 sun)	190.9 cm (6 shaku 3 sun)	281.8 cm (9 shaku 3 sun)	363.7 cm (12 shaku)	409.1 cm (13 shaku 5 sun)
Material	Main Part: Aluminum		Tape: Steel Side Cap: Impact resistant ABS resin Stopper Screw: Polycarbonate resin		

●Parts are listed from p.243

Item Code	Description of Product	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
65160	A 3 shaku 2 sun	Width×Thickness 26×17 Tip end 26×17	230	4 960910 651609	5	
65161	AB 6 shaku 3 sun	Width×Thickness 26×17 Tip end 26×17	410	4 960910 651616	5	
65162	B 9 shaku 3 sun	Width×Thickness 26×17 Tip end 26×17	560	4 960910 651623	5	
65163	C 12 shaku	Width×Thickness 26×17 Tip end 26×17	700	4 960910 651630	5	
65164	D 13 shaku 5 sun	Width×Thickness 26×17 Tip end 26×17	800	4 960910 651647	5	

Refer to P. 2 about the shaku scale

Telescopic Measure Two Directions [Metric]

●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
65107	A 95 cm	Width×Thickness 26×17 Tip end 26×17	230	4 960910 651074	5	
65108	AB 190 cm	Width×Thickness 26×17 Tip end 26×17	410	4 960910 651081	5	
65109	B 280 cm	Width×Thickness 26×17 Tip end 26×17	560	4 960910 651098	5	
65105	C 360 cm	Width×Thickness 26×17 Tip end 26×17	700	4 960910 651050	5	
65106	D 400 cm	Width×Thickness 26×17 Tip end 26×17	800	4 960910 651067	5	

Features

- Tough aluminum product. Unlike wooden products, it will not warp under wet conditions.
- Having metric and shaku graduations reduces measurement errors
- Easy-to-read and fade-resistant graduations
- Graduations on all four sides
- Comes apart for better portability. Locks easily by sliding back together.
- Rubber caps on both ends prevent scratching
- Includes a tough nylon carry case

Use

- As shaku measure for laying out foundations
- As a template to make a disposable shaku measure stick

Specifications

Item Code	65132	65133
Length (split)	3,680(1,840)mm	4,120(2,060)mm
Length Tolerance	-0.8 -+1.3 mm	
Straightness Tolerance	Within 3 mm	Within 3.4 mm
Material	Main Part: Aluminum Edge: Rubber	
Usage Areas (Differences in Graduations)	For Kantoma. It is called both "Inakama" and "Edoma" and refers to the dimension of a tatami mat with 6 shaku in 1 ma. This dimension is the most commonly used, particularly in the Kanto region.	For Kansaima. The dimension is generally called "kyoma," but can also be called "honkyoma," and "Tuyukoma." This is the dimension of a tatami mat with 6 shaku and 5 sun in 1 ma. This dimension has a wide range of use, but is most common in the Kansai region.

*Length tolerance is the accuracy when measured at normal temperature 20°C

Shaku Measure



Item Code	65132	65133
1st Side	Metric graduation (1 mm pitch) + Shaku graduation (5 rin pitch)	
2nd Side	Shaku graduation (5 sun pitch)	
3rd Side	Stud (1 shaku 5 sun pitch)	Stud (1 shaku 6 sun 2 bu 5 rin pitch)
4th Side	This side lets you write down graduations with a pencil Special tape attached	

●Parts are listed from p.243

Item Code	Description	Width×Thickness (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
65132	12 shaku	23×19	950	4 960910 651326	1	
65133	13 shaku 5 sun	23×19	1,050	4 960910 651333	1	

Refer to P. 2 about the shaku scale

Ken Measure



65180

1st Side	Metric graduation (1 mm pitch) + Shaku graduation (5 rin pitch)
2/3/4nd Side	This side lets you write down graduations with a pencil Special tape attached



●Parts are listed from p.243

Item Code	Description	Width×Thickness (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
65180	12 shaku	23×19	950	4 960910 651807	1	B

Refer to P. 2 about the shaku scale

Features

- Tough aluminum product. Unlike wooden products, it will not warp under wet conditions.
- Having metric and shaku graduations reduces measurement errors
- Easy-to-read and fade-resistant graduations
- Comes apart for better portability. Locks easily by sliding back together.
- Rubber caps on both ends prevent scratching
- Includes a tough nylon carry case (with strap)



- Special tape is pasted on three sides for notes and markings



- Can be cleaned with alcohol

Use

- For carpenters
Ideal for marking off pillars in the process of building a new house (for measurement of dimensions, pitches, dovetails, measurement for joining lumber, special pitches for studs 1 shaku 2 sun or 1 m intervals, etc.)
- For roof tilers
Ideal for marking intervals of crossbars on a rafter (Yasuda Kawara 7sun 6 bu, Sanshu Kawara 7 sun 8 bu)
- For construction workers
Ideal for marking intervals for packing during installation of concrete boards or L-shape retaining walls

Specifications

Length (divided length)	3,680 (1,940) mm
Length Tolerance	-0.8 - +1.3 mm
Straightness Tolerance	Within 3 mm (for total length)
Material	Main Part: Aluminum Edge: Rubber

*Length tolerance is the accuracy when measured at normal temperature 20°C

Aluminum Box Beam Straight Measure



65260 65262 65264 65266

●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
65260	135 cm	1,350×60×20	990	4 960910 652606	1	B
65262	175 cm	1,750×60×20	1,270	4 960910 652620		
65264	195 cm	1,950×60×20	1,430	4 960910 652644		
65266	230 cm*	2,300×60×20	1,680	4 960910 652668		

Features

- High precision for accurate check of straightness in base alignment of window frames, door frames and walls, etc.



- Scale side is broad to enable stable measurement without wobble
- Writeable tape so measurements and marks can easily be erased



Use

- For checking base alignment straightness of window frames, door frames and walls, etc.

Specifications

Item Code	65260	65262	65264	65266
Straightness Tolerance	Less than 0.30 mm	Less than 0.35 mm	Less than 0.40 mm	Less than 0.45 mm
Material	Main Part: Aluminum		Side-cap: ABS resin	

*Extra shipping fee charged separately.

4. Resin Rules/ Bamboo Rules

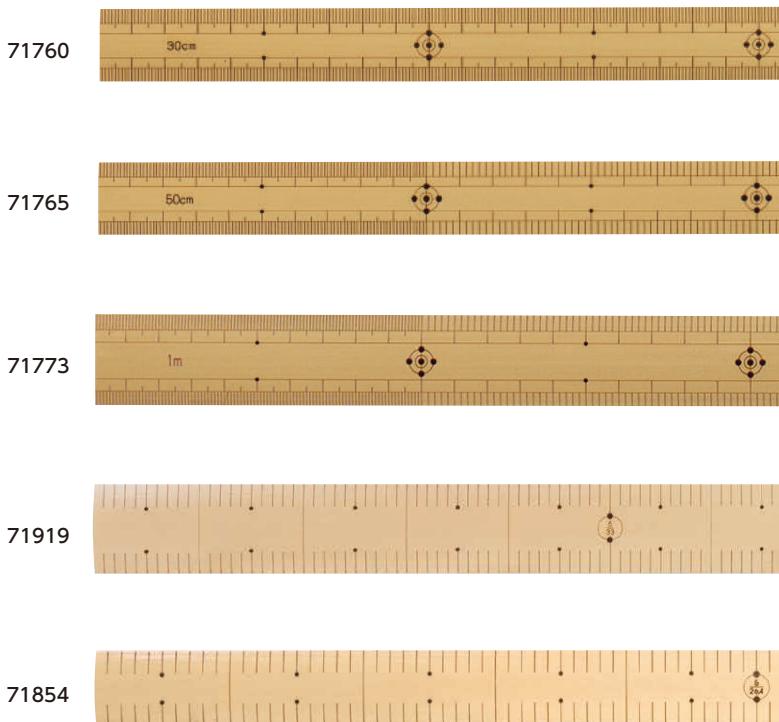


Scan here to see videos of various products



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

Bamboo Rule



Features

- Made of bamboo to fit in the hands
- 1 mm pitch for both upper and lower graduations (71760)



Use

- Kane-shaku: For building work (Also used for Japanese sewing in some parts of Tohoku)
- Kujira-shaku: For Japanese traditional dressmaking

Specifications

Length	Less than 50 cm: ±0.5 mm
Tolerance	1 m: ±1 mm
Material	Bamboo

About the Graduations

Kane-shaku

Has the same graduations as carpenter's squares. The shaku of Kane-shaku was named after the brass-made scale in the Edo era. 1 shaku is equivalent to 8 sun of Kujira-shaku. (= 30.3 cm)

Kujira-shaku

It was originally made out of a barb of whale (Kujira). 1 shaku of Kujira shaku is defined as 1 shaku 2 sun 5 bu Kane-shaku. (= 37.88 cm)

Item Code	Description	Length×Width×Thickness (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
71760	30 cm with Hole	300×23×4	22	4 960910 717602	10	
71765	50 cm with Hole	500×23×4	42	4 960910 717657		
71773	1 m with Hole	1,000×28×4	91	4 960910 717732		
71897	Kane 1 shaku	303×23×3	17	4 960910 718975		
71900	Kane 2 shaku	606×23×4	45	4 960910 719002		
71919	Kane 3 shaku	909×28×5	88	4 960910 719194		
71854	Kujira 2 shaku for Kimono	758×23×4	57	4 960910 718548		

Refer to P. 2 about the shaku scale

New catalog items English package With red numbers Japanese zodiac signs cm/shaku (Upper side (or Front) metric/ Lower side (or Back) shaku) shaku/cm (Upper side (or Front) shaku/ Lower side (or Back) metric) With magnet
 Optional JCSS certificate With non-slip pad With battery Lithium-ion battery Vial with luminous sheet With groove for slider With stopper With direction arrow Oil

Carpenter's Squares
 Stainless Steel Rules/ Machine Scale
 Aluminum Rules
 Resin Rules/ Bamboo Rules
 Squares/ Protractors
 Vernier Calipers/ Micrometers
 Tape Measures
 Surveying Products
 Scales
 Levels
 Lasers/ Optical Equipment
 Inklines/ Chalklines/ Plumblines
 Circular Saw Guides
 Construction Tools
 Industrial Tools
 Thermometers/ Hygrometers/ Scales for Measuring Instruments
 Outdoor Products
 Magnifying Glasses
 Drawing Tools
 Magnets

Fiberglass Folding Rule



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
78625	5-folding 1 m Black	1,000×15×3.2	67	4 960910 786257	5	SP
78605	5-folding 1 m	1,000×15×3.2	67	4 960910 786059	5	SP
78606	10-folding 1 m	1,000×13×2.2	44	4 960910 786066	10	
78833	10-folding 2 m	2,000×15×3.2	131	4 960910 788336	10	
78633	5-folding 1 m Black in Bulk	1,000×15×3.2	67	4 960910 786332	20	□
78705	5-folding 1 m in Bulk	1,000×15×3.2	67	4 960910 787056	20	□
78708	10-folding 1 m in Bulk	1,000×13×2.2	44	4 960910 787087	10	
78841	10-folding 2 m in Bulk	2,000×15×3.2	131	4 960910 788411	10	
78623	5-folding 1 m/shaku	1,000×15×3.2	67	4 960910 786233	5	SP
78624	5-folding 1 m/shaku in Bulk	1,000×15×3.2	67	4 960910 786240	20	□

Refer to P. 2 about the shaku scale

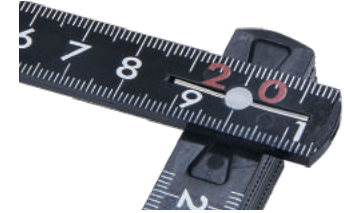
NEW New catalog items **En** English package **Red** With red numbers **12** Japanese zodiac signs **cm/shaku** (Upper side (or Front) metric / Lower side (or Back) shaku) **shaku/cm** (Upper side (or Front) shaku / Lower side (or Back) metric) **U** With magnet **CAL** Optional JCSS certificate **○** With non-slip pad **■** With battery **Ⓛ** Lithium-ion battery **☀** Vial with luminous sheet **U** With groove for slider **STOP** With stopper **➔** With direction arrow **Ⓢ** Oil

Features

- Highly durable, as moving parts can withstand folding 25,000 times with little wear and no reduction in performance
- Glass fiber has been combined into nylon resin to provide high rigidity and superior straightness



- Joints are wire-reinforced to stay securely fastened and be resistant to breaking or bending



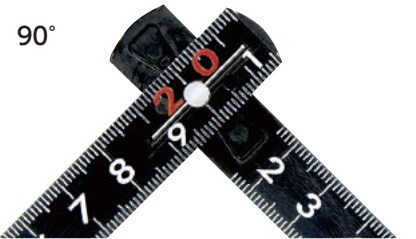
- Nylon resin construction makes it resistant to rust



- Easy-to-read, large numbers
- Does not conduct electricity well, and will not conduct electricity up to about 11,000 V



- Click stops at 90 and 180 degrees



- Folds up for portability

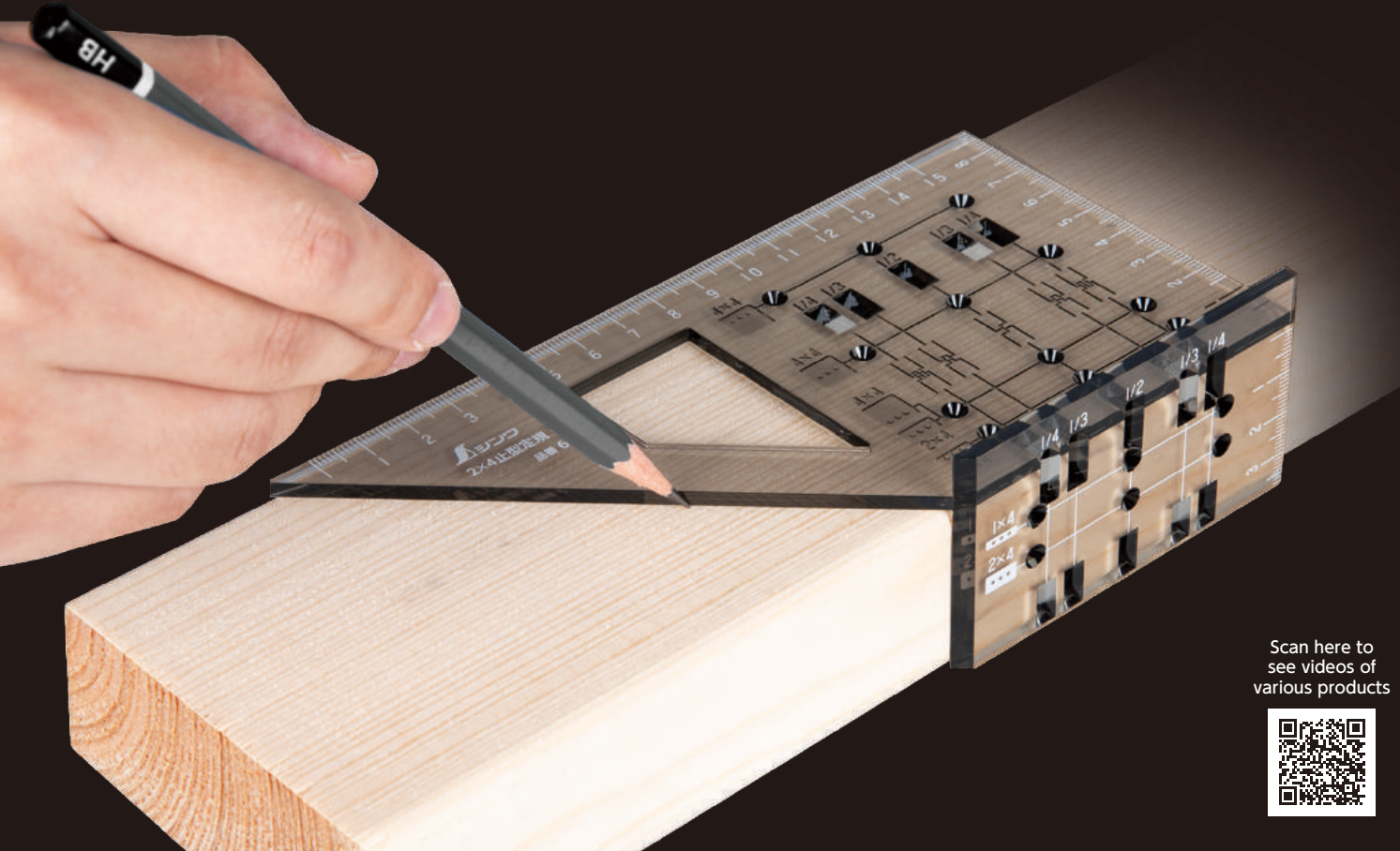
Use

- For measuring length, drawing lines and boning rod measurement

Specifications

Length	0 - 1,000 mm: ±1.0 mm
Tolerance	1,001 - 2,000 mm: ±1.4 mm
Material	Nylon resin with fiberglass

5. Squares/Protractors



Scan here to see videos of various products



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

Japanese Try Square



62006



62009



Features

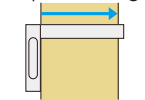
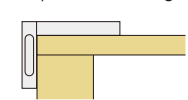
- Use square scale to work out the size of right square lumber you can cut from a log (62014, 62006)
- Both front and back have metric scales (62009)

Use

- For inspection of the right angle on material objects or products
- For marking right angles

Inspection of the angle

Square scribing



Specifications

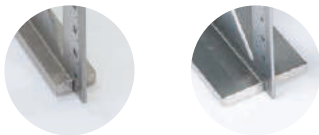
	62014	62006	62009
Base Size (mm)	94 × 18 × 8 mm		
Blade Size (mm)	161 × 18 × 1.5 mm	177 × 18 × 1.5 mm	
Angle Tolerance	Less than 0.1 mm per 100 mm		
Length Tolerance	±0.3 mm		
Material	Stainless steel		

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
62014	13 cm with Square Scale	161×100×8	110			
62006	15 cm with Square Scale	177×100×8	114		6	
62009	15 cm	177×100×8	114			

New catalog items English package With red numbers Japanese zodiac signs cm/shaku (Upper side (or Front) metric/ Lower side (or Back) shaku) shaku/cm (Upper side (or Front) shaku/ Lower side (or Back) metric) With magnet
 Optional JCSS certificate With non-slip pad With battery Lithium-ion battery Vial with luminous sheet With groove for slider With stopper With direction arrow Oil

Carpenter's Squares
 Stainless Steel Rules/ Machine Scale
 Aluminum Rules
 Resin Rules/ Bamboo Rules
 Squares/ Protractors
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 Tape Measures
 Surveying Products
 Scales
 Levels
 Lasers/ Optical Equipment
 Inclines/ Chalklines/ Plumblines
 Circular Saw Guides
 Construction Tools
 Industrial Tools
 Thermometers/ Hygrometers/ Scales/ Measuring Instruments
 Outdoor Products
 Magnifying Glasses
 Drawing Tools
 Magnets

Miter Rule 45° 90°



62081
32740
32674

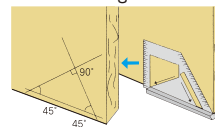
62189

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
62081	Standard Model	170×100×15	177	4 960910 620810	6	SP
32740	Standard Model En	170×100×15	177	4 960910 327405		
32674	Standard Model S-1462 Inch Graduations En	170×100×15	177	4 960910 326743		
62189	with 40 mm Wide Fence	170×100×40	334	4 960910 621893		

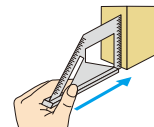
Features

- Can be used to check 45° and 90° angles and marking work
- Mark both left and right 45° angles with one side

As Miter Gauge



As Try Square



Use

- For matching 45° angles on framework
- For inspection of the right angle on material objects or products

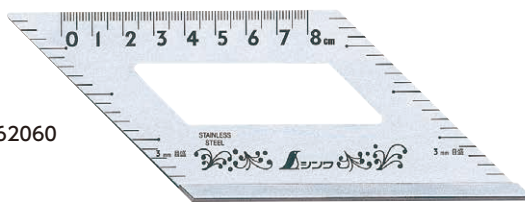
Specifications

Item Code	62081	32740	32674	62189
Base Size (mm)	163 × 15 × 5 mm			163 × 40 × 5 mm
Thickness of Board	1.5 mm			
Angle Tolerance	45°: Less than 0.2 mm per 100 mm 90°: Less than 0.1 mm per 100 mm			
Length Tolerance	±0.3 mm			
Material	Stainless steel			

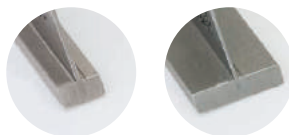
Miter Rule 45°



32712

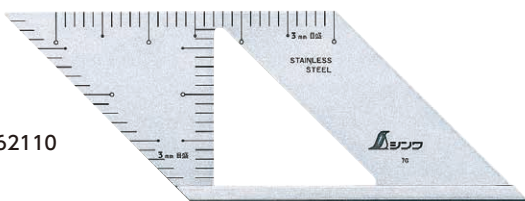


62060



62103
32712
62060
62110

62162



62110

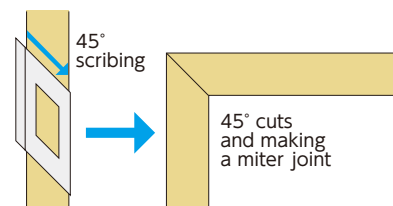
Item Code	Description	Overall length×Width×Thickness (mm)	Weight (g)	JAN Code	Packing Unit	Package
62103	Standard Model	170×62×15	119	4 960910 621039	12	SP
32712	Standard Model En	170×62×15	119	4 960910 327122		
62060	with Graduations	170×62×15	119	4 960910 620605		
62110	with Right Angle	170×62×15	133	4 960910 621107		
62162	with 40 mm Wide Fence	170×62×40	251	4 960910 621626	6	B

Features

- Helps check and scribe 45° easily
- Top has a cm scale and edges have 3 mm (equivalent to 1/100th of a shaku) pitch graduations (62060)
- Top and edge have 3 mm (equivalent to 1/100th of a shaku) pitch graduations (62110)
- Can confirm 45° and 90° angles at the same time, and is easy to use for scribing
- Four different types available: Standard, with Graduations, with Right Angle, and with 40 mm Wide Fence

Use

- For confirming 45° angles, drawing lines, and scribing
- With Right Angle: Checking 90° angles, drawing lines, and scribing (62110)

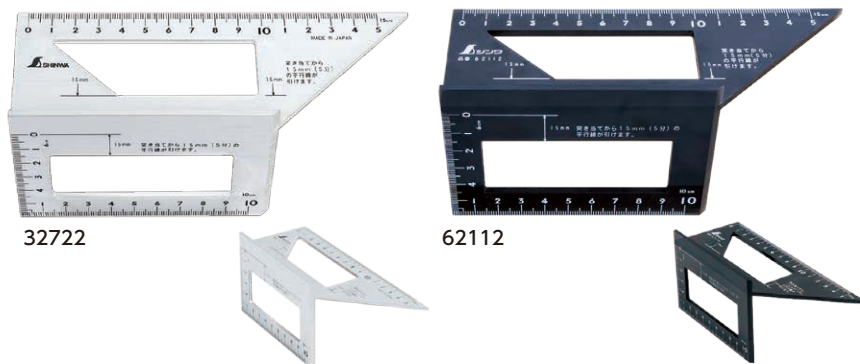


Specifications

Item Code	62103	32712	62060	62110	62162
Base Size	115×15×5mm			116×40×6mm	
Thickness of Board	1.5mm			1.3mm	
Angle Tolerance	Less than 0.2 mm per 100 mm				
Length Tolerance	±0.3 mm				
Material	Stainless steel				

5. Squares / Protractors

Miter Rule 3D 45° 90°



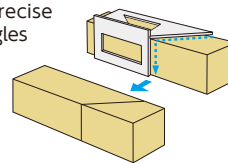
Item Code	Description	Overall Length×Height×Thickness (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
62113	Aluminum	170×63×73	90	4 960910 621138	6	
32722	Aluminum	170×63×73	90	4 960910 327221		
62112	Polycarbonate	170×63×73	44	4 960910 621121		

Features

- Can confirm 45° and 90° angles at the same time, and is easy to use for scribing line
- Can draw a 15 mm wide line necessary for areas such as a crown molding
- Excellent stability

Use

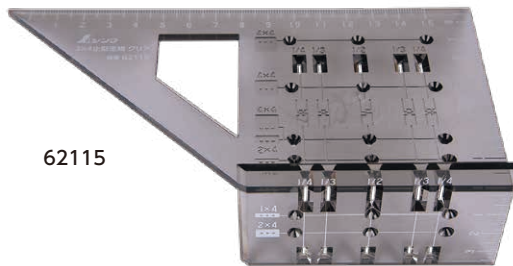
- For checking precise 45° and 90° angles
- For marking the base layout of a 45° angle



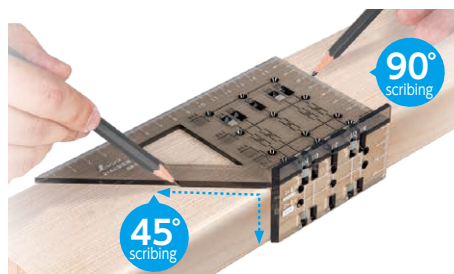
Specifications

Item Code	62113	32722	62112
Thickness of Board	3 mm		
Angle Tolerance	Less than 0.2 mm per 100 mm		
Length Tolerance	±0.2 mm		
Material	Aluminum	Polycarbonate resin	

Miter Rule 3D 45° 90° Two-by-Four



62115



- Screw hole guide to mark spots for driving screws



Item Code	Description	Overall Length×Height×Thickness (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
62115	Clear	178×92×51	55	4 960910 621152	6	

Features

- Size matches the width and thickness of 2x4 lumber for easy scribing
- Simultaneously confirm and scribe 45° and 90° angles
- Easily divide 2x4 lumber's 89 mm thickness into equal parts of 1/2, 1/3, and 1/4



- 150 mm graduations
- Transparent polycarbonate resin construction makes it easy to see the wood and prevents scratching

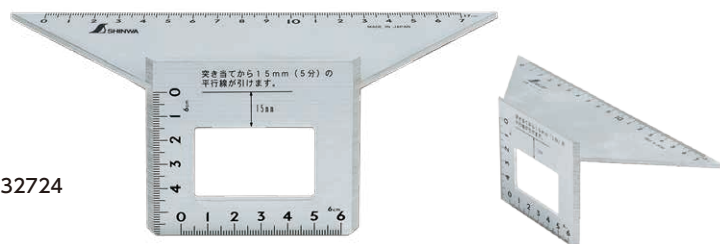
Use

- For dividing 2x4 lumber into equal parts
- For testing precise 45° and 90° angles

Specifications

Thickness of Board	3 mm
Tolerance	Angle: Less than 0.2 mm per 100 mm Scale: ±0.2 mm
Measuring Range	Scale: 1 - 150 mm
Material	Polycarbonate resin

Miter Rule 3D 45°



32724

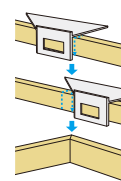
Item Code	Description	Overall Length×Height×Thickness (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
62114	Aluminum	200×63×73	100	4 960910 621145	6	
32724	Aluminum	200×63×73	100	4 960910 327245		

Features

- Mark precise 45° angles both left and right just by sliding the Miter Rule. No need to reverse the gauge itself.
- Excellent stability
- Convenient to work on baseboard corners

Use

- For checking precise 45° and 90° angles
- For marking the base layout of a 45° angle



Specifications

Thickness of Board	3 mm
Angle Tolerance	Less than 0.2 mm per 100 mm
Length Tolerance	±0.2 mm
Material	Aluminum

Sliding Bevel





33919

33921



Features

- Can be adjusted to any angle
- Lightweight and solid aluminum handle
- Fixing screw on the tail doesn't get in the way

Use

- Scribing and drawing of any angle
- For scribing dovetail or ink scribing

Specifications

Material	Blade: Stainless steel	Handle: Aluminum
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Item Code	Description	Length×Width×Thickness (mm)	Weight (g)	JAN Code	Packing Unit	Package
33919	8" En	235×22×17	120	4 960910 339194	6	SP
33921	10" En	285×25×17	160	4 960910 339217	(60)	

Japanese Bevel



62502


Item Code	Description	Length×Width×Thickness (mm)	Weight (g)	JAN Code	Packing Unit	Package
62502	25 cm	250(150)×15×2	91	4 960910 625020	12	
62510	30 cm	300(180)×15×2	109	4 960910 625105		VH
62529	45 cm	450(300)×15×2	171	4 960910 625297	5	
62532	60 cm	600(400)×15×2	235	4 960910 625327		

Features

- Can be adjusted to any angle

Use

- Scribing and drawing of any angle



Specifications

Material	Stainless steel
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Japanese Sliding Bevel



31483

●Parts are listed from p.243


Item Code	Description	Length×Width×Thickness (mm)	Weight (g)	JAN Code	Packing Unit	Package
62588	15 cm	180×14×5.5	111	4 960910 625884	12	
31482	15 cm En	180×14×5.5	111	4 960910 314825		VH
62596	25 cm	250×19×5.5	202	4 960910 625969		
31483	25 cm En	250×19×5.5	202	4 960910 314832		

Features

- Can be adjusted to any angle
- Sliding bevel can be fixed at any angle with screw stoppers

Use

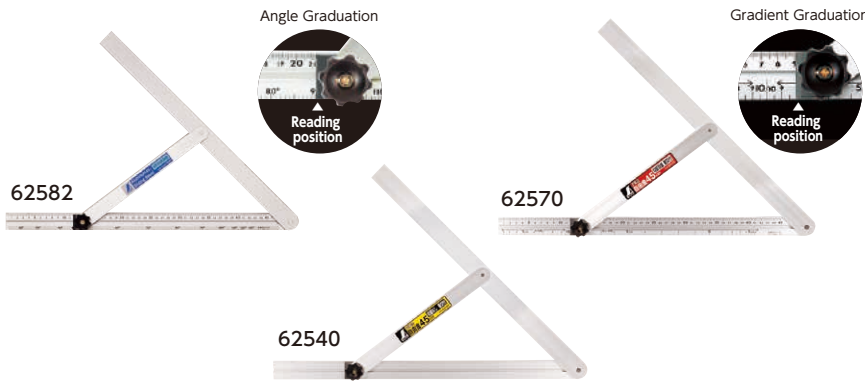
- Scribing and drawing of any angle
- For scribing dovetail or ink scribing



Specifications

Material	Body: Stainless steel	Screw: Brass
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Aluminum Sliding Bevel

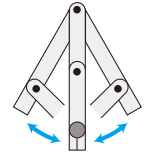


●Parts are listed from p.243

Item Code	Description	Length×Width×Thickness (mm)	Weight (g)	JAN Code	Packing Unit	Package
62660	30 cm with Angle Scale	355×30×28	265	4 960910 626607	5	
62581	30 cm with Angle Scale	355×30×28	265	4 960910 625815		
62661	45 cm with Angle Scale	505×30×28	380	4 960910 626614		
62582	45 cm with Angle Scale	505×30×28	380	4 960910 625822		
62662	60 cm with Angle Scale	655×30×28	480	4 960910 626621		
62583	60 cm with Angle Scale	655×30×28	480	4 960910 625839		
62569	30 cm with Gradient Scale	355×30×28	265	4 960910 625693		
62570	45 cm with Gradient Scale	505×30×28	380	4 960910 625709		
62571	60 cm with Gradient Scale	655×30×28	480	4 960910 625716		
62572	90 cm with Gradient Scale	955×30×28	680	4 960910 625723		
62573	1.2 m with Gradient Scale	1,255×30×28	880	4 960910 625730		
62540	45 cm without Scale	505×30×28	380	4 960910 625402		
62541	60 cm without Scale	655×30×28	480	4 960910 625419	5	
62542	90 cm without Scale	955×30×28	680	4 960910 625426		

Features

- Useful for checking angles on welded areas
- Blade can be on either side of the stock for symmetrical work
- Cross brace prevents any accidental change in angle
- Light aluminum material
- Thick blade can be used as a guide for a circular saw
- Angle scale is 1° pitch for 20° - 120°, and gradient scale is 1/10 pitch for 0 - 10
- Screw stopper easy to tighten and loosen
- With tape for writing down angles or other notes



Use

- Scribing and drawing of any angle
- After measuring the gradient, it can be used as a guide for a circular saw
- Model with graduation can be used to measure length as well
- For checking a roof's slope

Specifications

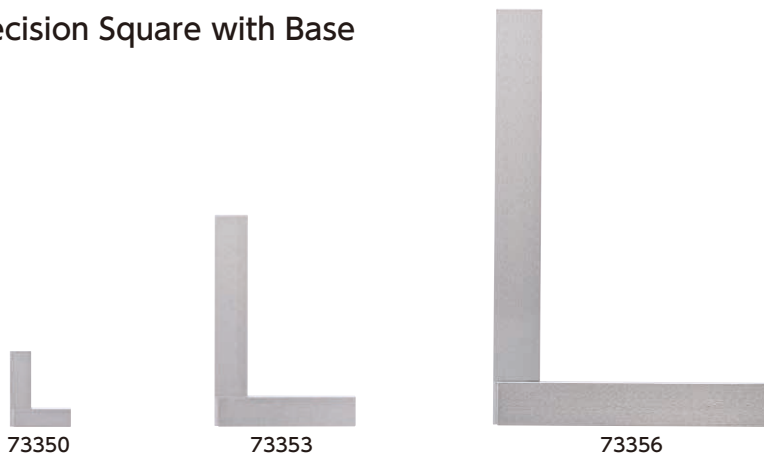
Item Code	62660	62581	62569
Length Tolerance	±0.3 mm		
Material	Body: Aluminum Grip nut: Polypropylene resin		

Item Code	62661	62582	62570	62540
Length Tolerance	±0.35 mm			
Material	Body: Aluminum Grip nut: Polypropylene resin			

Item Code	62662	62583	62571	62541
Length Tolerance	±0.35 mm			
Material	Body: Aluminum Grip nut: Polypropylene resin			

Item Code	62572	62542	62573
Length Tolerance	±0.4 mm	—	±0.4 mm
Material	Body: Aluminum Grip nut: Polypropylene resin		

Precision Square with Base



Item Code	Description	Length×Width×Thickness (mm)	Weight (g)	JAN Code	Packing Unit	Package
73350	50 mm JIS Grade 2 Comparable	50×40×10	50	4 960910 733503	1	
73351	75 mm JIS Grade 2 Comparable	75×50×13	100	4 960910 733510		
73352	100 mm JIS Grade 2 Comparable	100×70×15	180	4 960910 733527		
73353	150 mm JIS Grade 2 Comparable	150×100×19	400	4 960910 733534		
73354	200 mm JIS Grade 2 Comparable	200×130×22	740	4 960910 733541		
73355	250 mm JIS Grade 2 Comparable	250×164×22	1,000	4 960910 733558		
73356	300 mm JIS Grade 2 Comparable	300×200×25	1,700	4 960910 733565		

Features

- Manufacturing comparable to Japanese Industrial Standards (JIS) B7526 Grade 2
- Precision-finished measurement surface

Use

- For measuring and scribing right angles in various kinds of work



Specifications

Angle Tolerance	±(20+L/10) μm L is the nominal length (mm)
Material	S50C (carbon tool steel)

Carpenter's Squares
 Stainless Steel Rules / Machine Scale
 Aluminum Rules
 Resin Rules / Bamboo Rules
 Squares / Protractors
 Vernier Calipers / Micrometers
 Tape Measures
 Surveying Products
 Scales
 Levels
 Lasers / Optical Equipment
 Incliners / Chalklines / Plumblines

Mini Try Square Brass Base



Item Code	Description	Length×Width×Thickness (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
62020	4.5 cm	45×39×6	26	4 960910 620209	12	SP
62021	6 cm	60×44×6	30	4 960910 620216		
62022	7.5 cm	75×53×6	45	4 960910 620223		
62023	9 cm	90×60×6	53	4 960910 620230		

Features

- Ideal small square for personal use



Use

- For checking right angle and scribing

Specifications

Item Code	62020	62021	62022	62023
Base Size	35 × 12 × 6 mm	40 × 12 × 6 mm	48 × 15 × 6 mm	55 × 15 × 6 mm
Blade Size	45 × 11 × 1.5 mm	60 × 11 × 1.5 mm	75 × 13 × 1.5 mm	90 × 13 × 1.5 mm
Angle Tolerance	Less than 0.04 mm per 45 mm	Less than 0.06 mm per 60 mm	Less than 0.07 mm per 75 mm	Less than 0.09 mm per 90 mm
Material	Base: Brass		Blade: Stainless steel	

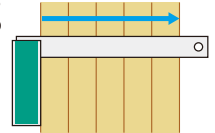
Try Square Aluminum Base without Graduations



Item Code	Description	Length×Width×Thickness (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
74110	20 cm	200×145×20	233	4 960910 741102	1	B
74111	25 cm	250×145×20	249	4 960910 741119		
74112	30 cm	300×205×20	341	4 960910 741126		
74113	35 cm	350×205×20	357	4 960910 741133		
74114	40 cm	400×255×30	797	4 960910 741140		
74115	45 cm	450×255×30	825	4 960910 741157		
74116	50 cm	500×255×30	852	4 960910 741164		
74117	60 cm	600×305×30	1,015	4 960910 741171		
74118	70 cm	700×305×30	1,065	4 960910 741188		
74119	90 cm	900×455×30	1,395	4 960910 741195		
74120	1 m	1,000×455×30	1,404	4 960910 741201		

Features

- Ideal square for wood materials
- Variety of sizes from 20 cm to 1 m
- Long blade models come in handy to mark across multiple items
- Large base helps to test a right angle



Use

- For checking right angle and scribing

Specifications

Item Code	74110	74111	74112	74113
Base Size	140 × 30 × 20 mm	200 × 30 × 20 mm		
Blade Size	200 × 30 × 1.5 mm	250 × 30 × 1.5 mm	300 × 30 × 1.5 mm	350 × 30 × 1.5 mm
Angle Tolerance	Less than 0.1 mm per 100 mm			
Material	Base: Aluminum		Blade: Stainless steel	

Item Code	74114	74115	74116	74117
Base Size	250 × 40 × 30 mm		300 × 40 × 30 mm	
Blade Size	400 × 40 × 1.5 mm	450 × 40 × 1.5 mm	500 × 40 × 1.5 mm	600 × 40 × 1.5 mm
Angle Tolerance	Less than 0.1 mm per 100 mm			
Material	Base: Aluminum		Blade: Stainless steel	

Item Code	74118	74119	74120
Base Size	300 × 40 × 30 mm	450 × 40 × 30 mm	
Blade Size	700 × 40 × 1.5 mm	900 × 40 × 2.0 mm	1,000 × 40 × 2.0 mm
Angle Tolerance	Less than 0.1 mm per 100 mm		
Material	Base: Aluminum		Blade: Stainless steel

Miter Try Square



Item Code	Description	Length×Width×Thickness (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
62286	20 cm	200×135×14	205	4 960910 622869	1	B
62294	25 cm	250×135×14	234	4 960910 622944		
62308	30 cm	300×135×14	250	4 960910 623088		
32255	S-1421 20 cm/8"	*	200×135×14	4 960910 322554		
32263	S-1422 25 cm/10"	*	250×135×14	4 960910 322639		
32271	S-1423 30 cm/12"	*	300×135×14	4 960910 322714		

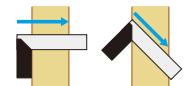
*S-1421, 1422 and 1423 are made-to-order items.

Features

- Graduations on the blade enable to measure dimensions
- Large base helps to test a right angle

Use

- For checking right angle and scribing
- For scribing 45°



Specifications

Item Code	62286	62294	62308
Base Size	130 × 40 × 14 mm		
Blade Size	200 × 40 × 1.5 mm	250 × 40 × 1.5 mm	300 × 40 × 1.5 mm
Angle Tolerance	45°: Less than 0.4 mm per 100 mm 90°: Less than 0.1 mm per 100 mm		
Length Tolerance	±0.2 mm		
Material	Base: Aluminum		Blade: Stainless steel

Item Code	32255	32263	32271
Base Size	130 × 40 × 14 mm		
Blade Size	200 × 40 × 1.5 mm	250 × 40 × 1.5 mm	300 × 40 × 1.5 mm
Angle Tolerance	45°: Less than 0.4 mm per 100 mm 90°: Less than 0.1 mm per 100 mm		
Length Tolerance	±0.2 mm		
Material	Base: Aluminum		Blade: Stainless steel

Protractor Hard Chrome Finish



31863 ● 10 cm compact size
● Pocket-sized portable



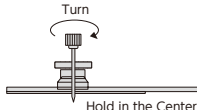
31861 ● Classic protractor



31862



62901 ● Center lock nut has a needle built-in to hold in the center



62928 ● Square protractor board guides outside edge



31864



31865 ● Groove on the protractor board allows the blade to be locked tightly



62952 ● Trigonometric function chart on the back

● Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
62995	Mini ϕ 40 10 cm	120×26×5	20	4 960910 629950	10	
31863	Mini ϕ 40 10 cm	120×26×5	20	4 960910 318632	10	
62480	No.19 ϕ 90 10 cm	200×52×16	65	4 960910 624801	10	
31861	No.19 ϕ 90 10 cm	200×52×16	65	4 960910 318618	10	
62490	No.19 Double-blade ϕ 90 10 cm	200×52×15	82	4 960910 624900	10	
31862	No.19 Double-blade ϕ 90 10 cm	200×52×15	82	4 960910 318625	10	
62901	No.182 ϕ 90 10 cm	200×50×25	80	4 960910 629011	1	
62928	No.183 Square 10 cm	200×55×15	100	4 960910 629288	1	
62774	No.30 ϕ 120	305×68×17	150	4 960910 627741	5	
31864	No.30 ϕ 120	305×68×17	150	4 960910 318649	5	
62868	No.101 ϕ 120 15 cm with Groove	305×68×17	150	4 960910 628687	5	
31865	No.101 ϕ 120 15 cm with Groove	305×68×17	150	4 960910 318656	5	
62898	No.300 ϕ 210 30 cm	450×115×25	500	4 960910 628984	1	
62839	No.300 Double-blade ϕ 210 30 cm	500×115×25	660	4 960910 628397	1	
62855	No.600 ϕ 320 60 cm	825×175×24	1,350	4 960910 628557	1	
62944	No.600 Double-blade ϕ 320 60 cm	825×175×24	1,900	4 960910 629448	1	
62847	No.1000 ϕ 320 1 m	1220×175×24	1,600	4 960910 628472	1	
62952	No.1000 Double-blade ϕ 320 1 m	1220×175×24	2,400	4 960910 629523	1	

Features

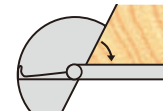
- Etching + black chrome coating on graduations help to last long
- Bold, easy-to-read graduations
- Hard chrome finish (matte processed) prevents its surface with excellent durability and prevents glare on the scale for high readability
- No.300-No.1000 have a trigonometric function chart on the back
- Double blade model
 - Firmly matches shapes that a regular protractor board can't match
- Measures the angle on the edge of a blade
- Measures any angles
- Expands up to 20 cm (62995, 31863)



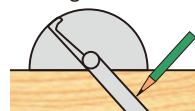
Use

- For measuring angles, scribing, and measuring length

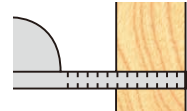
Angle Measure



Scribing



Length Measure



*Except 62774, 31864

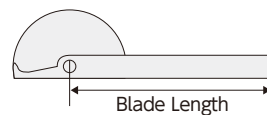
Specifications

Item Code	62995	31863	62480	31861	62490	31862
Angle Plate	Size	40 mm	90 mm			
	Thickness	1.0 mm	1.2 mm			
	Angle pitch	2°	1°			
Blade	1:Single 2:Double	2	1	2		
	Length	100 mm	153 mm			
	Graduation	10 cm				
Material	Main Part: Stainless steel Firing Pin: Stainless steel			Main Part: Stainless steel Screw: Brass		

Item Code	62901	62928	62774	31864	
Angle Plate	Size	90 mm	55 × 94 mm	120 mm	
	Thickness	1.2 mm		1.5 mm	
	Angle pitch	1°			
Blade	1:Single 2:Double	1			
	Length	153 mm	245 mm		
	Graduation	10 cm	-		
Material	Main Part: Stainless steel Screw: Brass				

Item Code	62868	31865	62898	62839
Angle Plate	Size	120 mm	210 mm	
	Thickness	1.5 mm	2.0 mm	
	Angle pitch	1°	0.5°	
Blade	1:Single 2:Double	1		
	Length	245 mm	385 mm	
	Graduation	15 cm	30 cm	
Material	Main Part: Stainless steel Screw: Brass		Main Part: Stainless steel	Screw: Iron

Item Code	62855	62944	62847	62952	
Angle Plate	Size	320 mm			
	Thickness	2.5 mm			
	Angle pitch	0.5°			
Blade	1:Single 2:Double	1	2	1	2
	Length	650 mm		1,050 mm	
	Graduation	60 cm		100 cm	
Material	Main Part: Stainless steel Screw: Iron				



Protractor Polish Finish



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
62499	No.19 ϕ 90 10 cm	200×52×15	65	4 960910 624993	10	SP
31860	No.19 ϕ 90 10 cm En	200×52×15	65	4 960910 318601		

Features

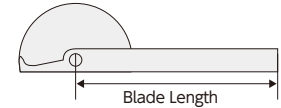
- Etching + black chrome coating on graduations help to last long
- Bold, easy-to-read graduations
- Polish finish offers both fine metallic luster and reasonable price

Use

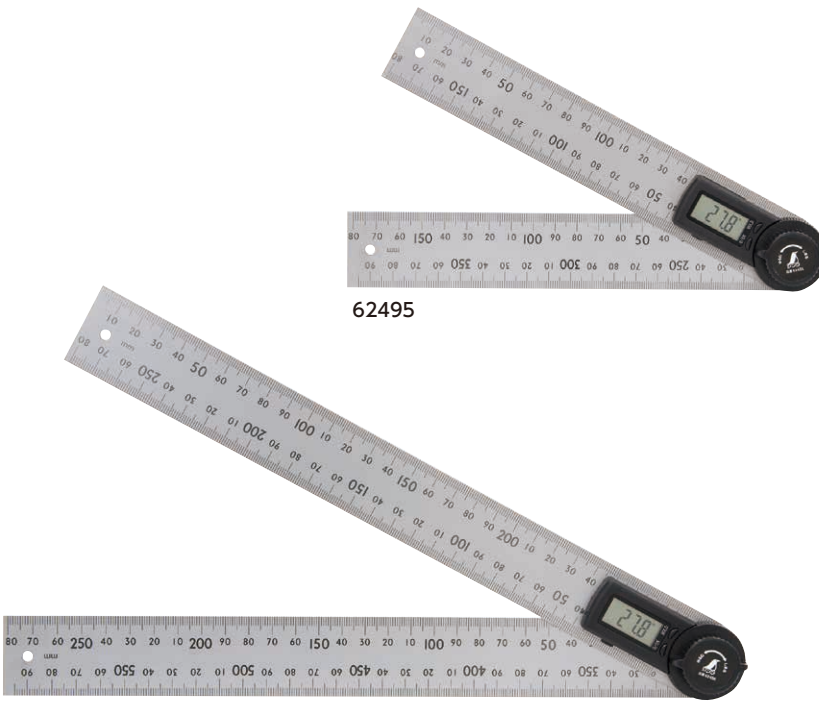
- For measuring angles, scribing, and measuring length

Specifications

Angle Plate	Size	90 mm
Thickness		1.2 mm
Angle pitch		1°
Blade	1:Single	1
	2:Double	
Length		153 mm
Graduation		10 cm
Material	Main Part: Stainless steel Screw: Brass	



Digital Protractor



62496



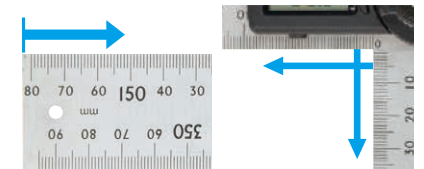
Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
62495	20 cm with Hold Function	217×35×20	162	4 960910 624955	5	SP
62496	30 cm with Hold Function	317×35×20	224	4 960910 624962		

Features

- Easy-to-read digital display
- Includes hold function



- Nob to fix angle
- Long-lasting, etched graduations
- Left end reference point and inside reference point at right angle are useful for measuring



- Can be fully straightened



Use

- Angle measurement, length measurement, scribing

Specifications

Item Code	62495	62496	
Angle Tolerance	±0.3°		
Length Tolerance	Up to 200 mm: ±0.2 mm (range when not connecting two rules)	Up to 300 mm: ±0.3 mm (range when not connecting two rules)	
Minimum Reading	Angle	0.1°	
	Length	1 mm	
Measuring Range	Angle	0 - 359.9°	
	Length	0 - 395 mm	0 - 595 mm
Temperature and Humidity for Use	Temperature: 0 - 50°C, Humidity: Up to 85%		
Auto Power Off	Approximately 5 minutes		
Battery	1x Lithium battery CR2032 (Battery included is for trial use only and may not last as long)		
Material	Rule: Stainless steel	Digital Module: ABS resin	

6. Vernier Calipers/ Micrometers



Scan here to see videos of various products

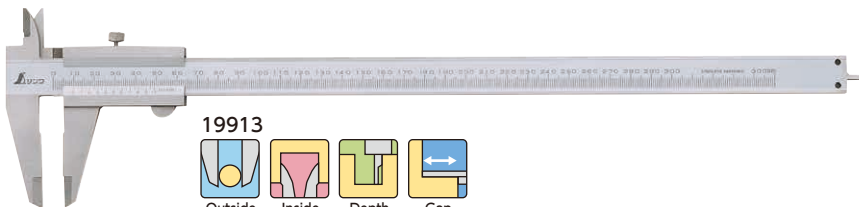
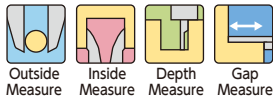


Packaging Shrink package Box Vinyl package + header card Card No package
 Sleeve package Bag Clear package Vinyl package

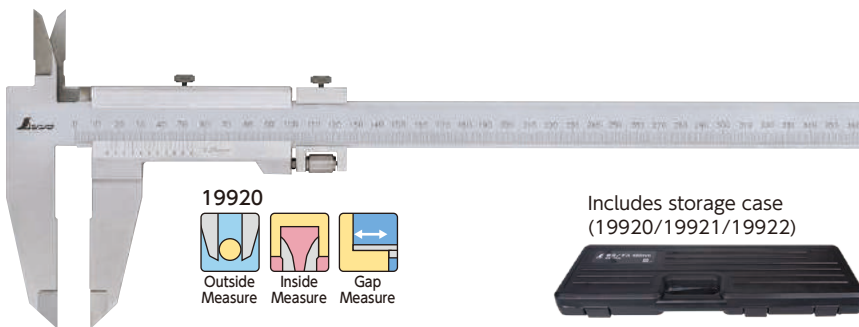
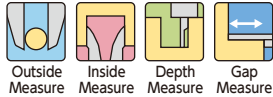
Vernier Caliper



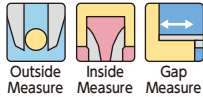
19899



19913



19920



Includes storage case (19920/19921/19922)



● Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
19899	150 mm	235×77×8	150	4 960910 198999	6	
19912	200 mm	296×90×8	180	4 960910 199125	6	
19913	300 mm	410×100×9	326	4 960910 199132	6	
19920	450 mm	620×159×12	1,000	4 960910 199200	1	
19921	600 mm	770×159×12	1,200	4 960910 199217	1	
19922	1000 mm	1,220×221×16	3,300	4 960910 199224	1	

Features

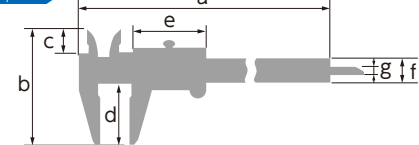
- Easy-to-use standard vernier caliper
- Turning the find adjustment knob moves the jaws by little, so they can grasp an object with the appropriate pressure (19920/19921/19922)



Use

- For measuring outside, inside, depth, and gap (19899/19912/19913)
- For measuring outside, inside, and gap (19920/19921/19922)

Specifications



Item Code	19899	19912	19913
Body Size	a 235 mm	a 296 mm	a 410 mm
	b 77 mm	b 90 mm	b 100 mm
	c 16 mm	c 18 mm	c 20 mm
	d 40 mm	d 50 mm	d 55 mm
	e 54 mm	e 55 mm	e 60 mm
	f 16 mm	f 16 mm	f 18 mm
	g 3.6 mm	g 3.6 mm	g 4.4 mm
Measuring Range	0.05 - 150 mm	0.05 - 200 mm	0.05 - 300 mm
Minimum Reading	0.05 mm		
Depth Probe	Attached		
Accuracy	±0.07 mm		±0.08 mm
Material	Main Part: Stainless steel		

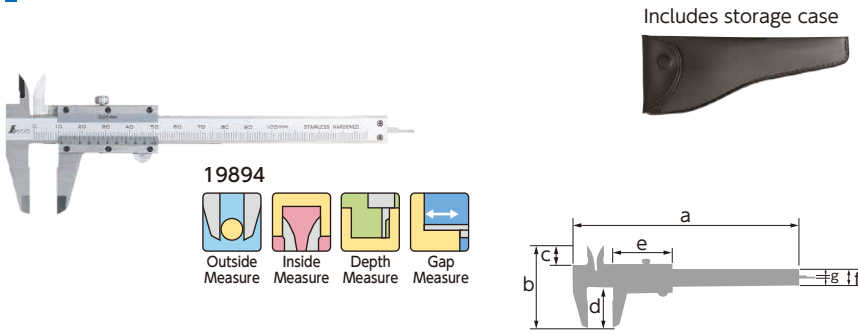
Item Code	19920	19921	19922
Body Size	a 620 mm	a 770 mm	a 1,220 mm
	b 159 mm	b 159 mm	b 221 mm
	c 38 mm	c 38 mm	c 50 mm
	d 90 mm	d 90 mm	d 130 mm
	e 92 mm	e 92 mm	e 124 mm
	f 24 mm	f 24 mm	f 32 mm
	g —	g —	g —
Measuring Range	0.05 - 450 mm	0.05 - 600 mm	0.05 - 1,000 mm
Minimum Reading	0.05 mm		
Depth Probe	None		
Accuracy	±0.1 mm		±0.15 mm
Material	Main Part: Stainless steel		

● Calibration certificate (JCSS)* on p.253
 *Only for 150 mm, 200 mm and 300 mm.

New catalog items English package With red numbers Japanese zodiac signs cm/shaku (Upper side (or Front) metric / Lower side (or Back) shaku) shaku/cm (Upper side (or Front) shaku / Lower side (or Back) metric) With magnet
 Optional JCSS certificate With non-slip pad With battery Lithium-ion battery Vial with luminous sheet With groove for slider With stopper With direction arrow Oil

Carpenter's Squares
 Stainless Steel Rules / Machine Scale
 Aluminum Rules
 Resin Rules / Bamboo Rules
 Squares / Protractors
 Vernier Calipers / Micrometers
 Tape Measures
 Surveying Products
 Scales
 Levels
 Lasers / Optical Equipment
 Inlines / Chalklines / Plumblines
 Circular Saw Guides
 Construction Tools
 Industrial Tools
 Thermometers / Hygrometers / Barometers
 Outdoor Products
 Magnifying Glasses
 Drawing Tools
 Magnets

Mini Vernier Caliper



●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
19892	70 mm	114×39×5	22	4 960910 198920	10	SP
19894	100 mm	160×60×6.5	71	4 960910 198944	10	SP

Features

- Small size, portable
- Same high precision as larger model

Use

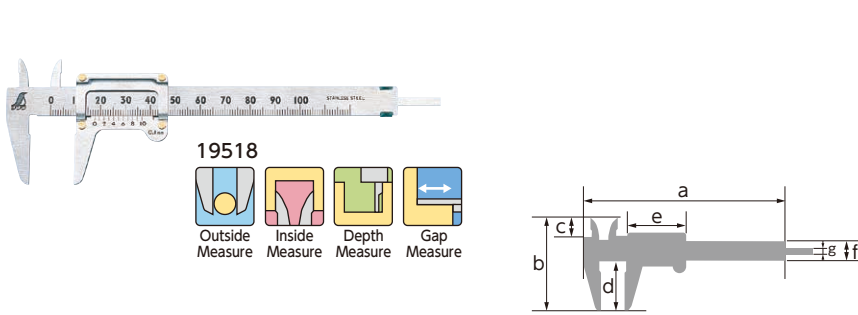
- For measuring outside, inside, depth, and gap

Specifications

Item Code	19892	19894
Body Size	a	114 mm
	b	39 mm
	c	8.5 mm
	d	18.5 mm
	e	28 mm
	f	8 mm
	g	1.7 mm
Measuring Range	0.05 - 70 mm	0.05 - 100 mm
Minimum Reading	0.05 mm	
Depth Probe	Attached	
Accuracy	±0.06 mm	
Material	Main Part: Stainless steel	

● Calibration certificate (JCSS) on p.253

Pocket Vernier Caliper



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
19518	100 mm	157×52×5	39	4 960910 195189	10	SP

Features

- Small size, portable

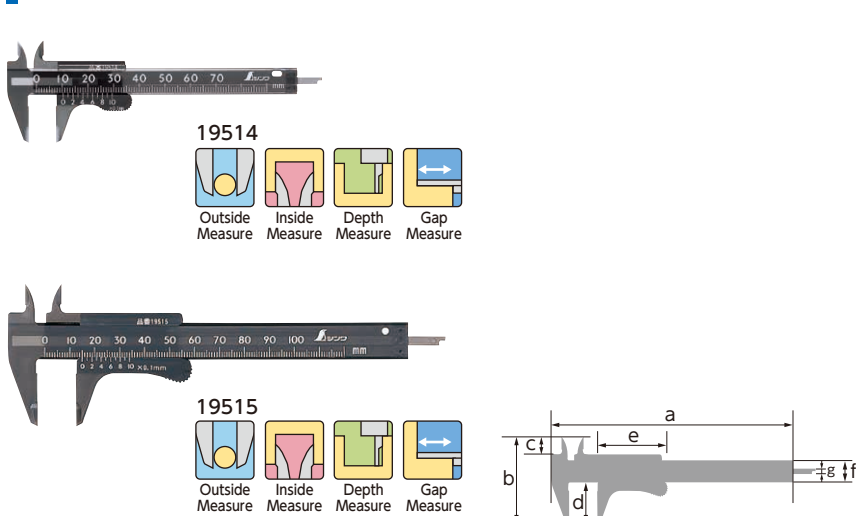
Use

- For measuring outside, inside, depth, and gap

Specifications

Item Code	19518	
Body Size	a	157 mm
	b	52 mm
	c	12 mm
	d	28 mm
	e	37 mm
	f	12 mm
	g	3.5 mm
Measuring Range	0.1 - 100 mm	
Minimum Reading	0.1 mm	
Depth Probe	Attached	
Accuracy	±0.1 mm	
Material	Main Part: Stainless steel	

Vernier Caliper Plastic Body



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
19514	70 mm	114×40×5.6	6	4 960910 195141	10	SP
19515	100 mm	161×58×7	15	4 960910 195158	10	SP

Features

- Light and compact, easy carrying
- Polycarbonate is tough and stable. Rustproof and will not scratch other surfaces.
- Strap hole



Use

- For measuring outside, inside, depth, and gap

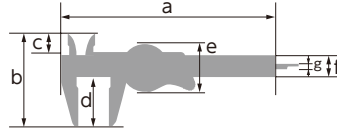
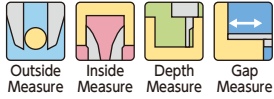
Specifications

Item Code	19514	19515
Body Size	a	114 mm
	b	40 mm
	c	8 mm
	d	19 mm
	e	30 mm
	f	10.5 mm
	g	2.7 mm
Measuring Range	0.1 - 70 mm	0.1 - 100 mm
Minimum Reading	0.1 mm	
Depth Probe	Attached	
Accuracy	±0.1 mm	
Material	Main Part: Polycarbonate	

Fiberglass Dial Caliper



19932



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
19932	150 mm	224×77×15	44	4 960910 199323	5	

Features

- Easy-to-read scale
- Will not scratch other surfaces
- Adjust to 0 by turning the dial

Use

- For measuring outside, inside, depth, and gap

Specifications

Body Size	a	224 mm
	b	77 mm
	c	14 mm
	d	39 mm
	e	38 mm
	f	16 mm
	g	3.8 mm
Measuring Range	0.1 - 150 mm	
Minimum Reading	0.1 mm	
Depth Probe	Attached	
Accuracy	±0.1 mm	
Material	Main Part: Nylon resin (with fiberglass)	

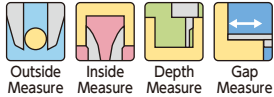
Digital Caliper with Hold Function 2

NEW

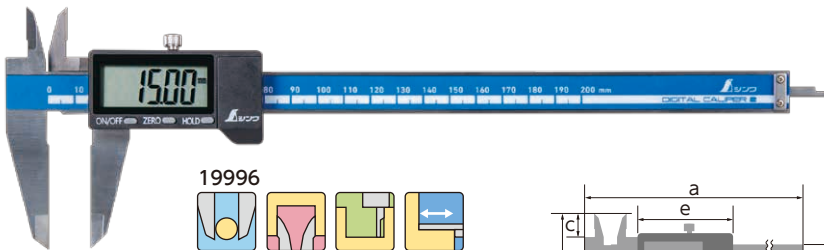
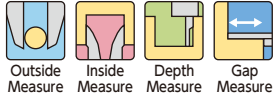
Includes storage case



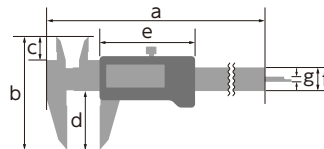
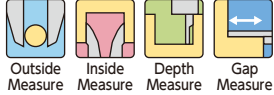
19994



19995



19996



● Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
19994	Mini 100 mm	167×60×15	90	4 960910 199941	3	
19995	150 mm	235×77×15.5	155	4 960910 199958		
19996	200 mm	294×90×15.5	175	4 960910 199965		
19997	300 mm	400×102×15.5	270	4 960910 199972		

Features

- Large LCD screen with easy-to-read characters

Character height 9 mm Character height 13 mm



19994

19995/19996/19997

- Auto power off function
- Ideal for precision work with a minimum reading value of 0.01 mm



- Zero set function enables relative measurement
- Hold function to retain the measured value
- Convenient case for storage and transport
- Digital unit has drip-proof design

Use

- For measuring outside, inside, depth, and gap
- For relative measurement and indirect measurement

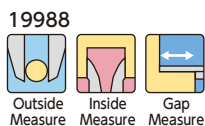
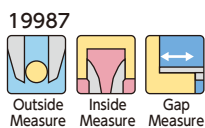
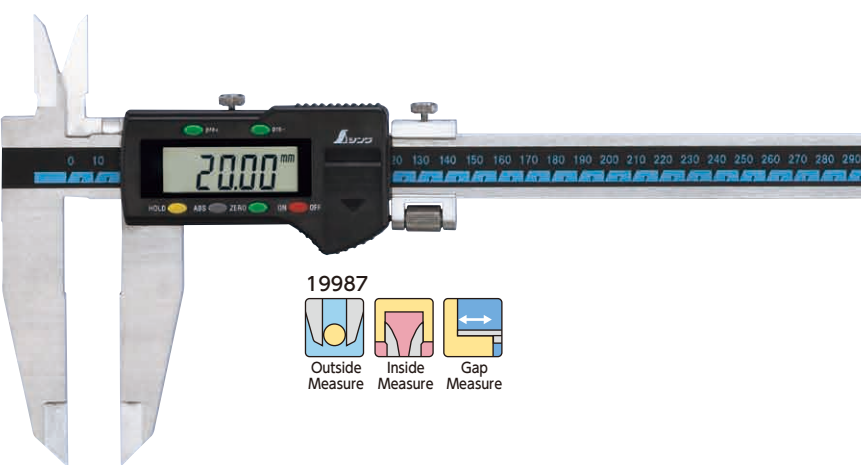
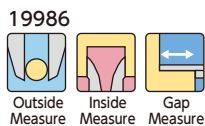
Specifications

Item Code	19994	19995	19996	19997
Body Size	a	167 mm	a	235 mm
	b	60 mm	b	77 mm
	c	12 mm	c	15 mm
	d	30 mm	d	40 mm
	e	53 mm	e	64 mm
	f	13 mm	f	16 mm
	g	3.6 mm	g	3.6 mm
Measuring Range	0.01 - 100 mm	0.01 - 150 mm	0.01 - 200 mm	0.01 - 300 mm
Minimum Reading	0.01 mm			
Depth Probe	Attached			
Accuracy	±0.03 mm		±0.04 mm	
Use Temperature	0 - 40°C			
Storage Temperature	-10 - 60°C			
Storage Humidity	Below 80%			
Auto power off	Power automatically turns off 5 minutes after turning on			
Battery	1 x Silver oxide battery SR44 (Battery included is for trial use only and may not last as long)			
Material	Body: Stainless steel Digital Module: ABS resin			

● Calibration certificate (JCSS) on p.253

Digital Caliper with Hold Function

Includes storage case

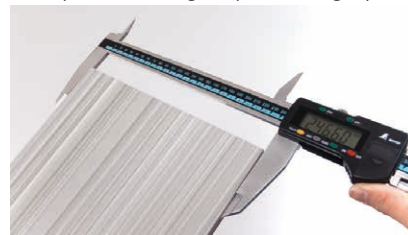


Features

- Ideal for precision work with a minimum reading value of 0.01 mm
- Zero set function enables relative measurement or indirect measurement
- Hold function is useful when the screen cannot be seen
- Fine adjustment knob makes adjustment easy
- ABS function that can set the display to 0.00 without changing the measurement origin
- Preset function enables to adjust zero point in 0.01 mm units



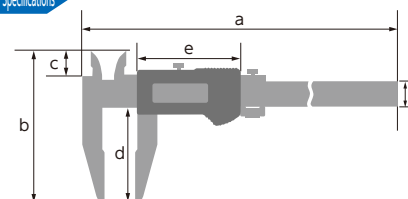
- Long jaws that match the length of the main body for measuring deeper and larger parts



Use

- For measuring outside, inside, and gap
- For relative measurement and indirect measurement

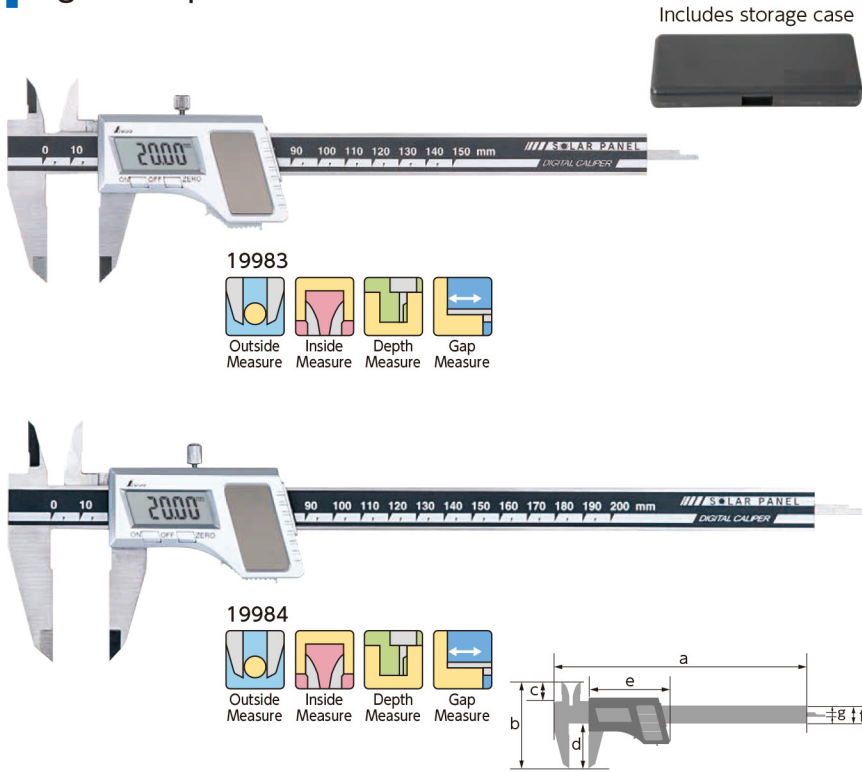
Specifications



Item Code	19986	19987	19988	
Body Size	a	626 mm	776 mm	1,233 mm
	b	169 mm	169 mm	216 mm
	c	38 mm	38 mm	50.8 mm
	d	100 mm	100 mm	125 mm
	e	100 mm	100 mm	130 mm
	f	24 mm	24 mm	31 mm
Measuring Range	0.01 - 450 mm	0.01 - 600 mm	0.01 - 1,000 mm	
Minimum Reading	0.01 mm			
Depth Probe	None			
Fine Adjustment Function	Attached			
Preset Function	Attached			
Accuracy	±0.05 mm		±0.10 mm	
Use Temperature	0 - 40°C			
Storage Temperature	-10 - 60°C			
Storage Humidity	Below 80%			
Battery	1x Lithium battery CR2032 (Battery included is for trial use only and may not last as long)			
Material	Body: Stainless steel	Digital Module: ABS resin		

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
19986	450 mm	626×169×20	980	4 960910 199866	1	B
19987	600 mm	776×169×20	1,100	4 960910 199873		
19988	1000 mm	1,233×216×26	2,400	4 960910 199880		

Digital Caliper with Solar Panel



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
19983	150 mm	235x76x12	160	4 960910 199835	3	
19984	200 mm	286x90x12	187	4 960910 199842	3	

Features

- Ideal for precision work with a minimum reading value of 0.01 mm
- Dual power model with solar panel and lithium battery
*Solar panel reduces the use of battery when surrounding illuminance is over 200 lux.
- Zero set function enables relative measurement or indirect measurement



- Auto power off function

Use

- For measuring outside, inside, depth, and gap
- For relative measurement and indirect measurement

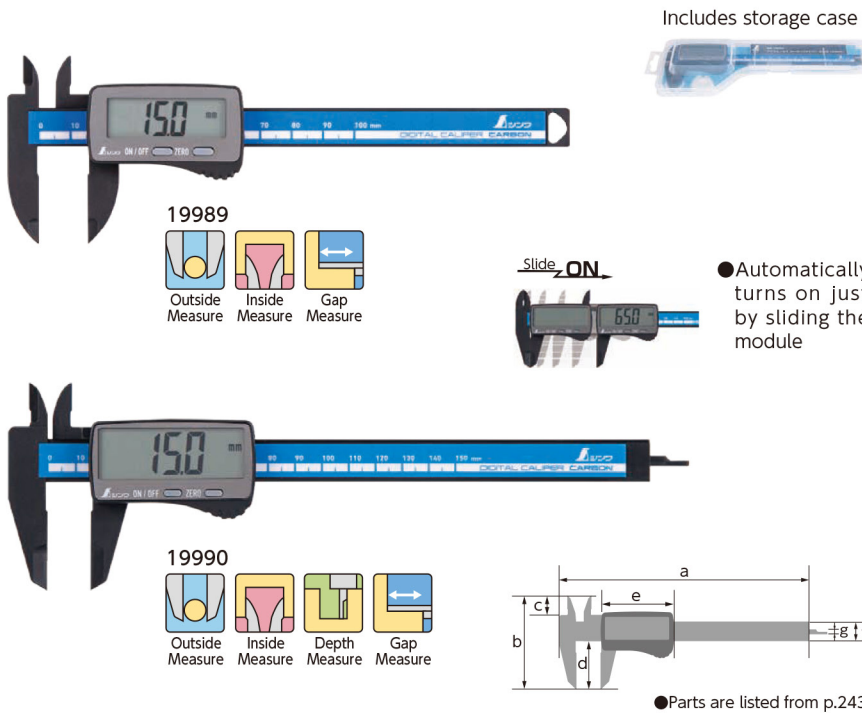
Specifications

Item Code	19983	19984		
Body Size	a	235 mm	a	286 mm
	b	76 mm	b	90 mm
	c	16 mm	c	19 mm
	d	40 mm	d	46 mm
	e	70 mm	e	70 mm
	f	16 mm	f	16 mm
	g	3.7 mm	g	3.7 mm
Measuring Range	0.01 - 150 mm		0.01 - 200 mm	
Minimum Reading	0.01 mm			
Depth Probe	Attached			
Accuracy	±0.03 mm			
Use Temperature	0 - 40°C			
Storage Temperature	-10 - 60°C			
Storage Humidity	Below 80%			
Auto power off	Power automatically turns off 5 minutes after turning on			
Battery *	Solar panel / 1x Lithium battery CR2016 (Battery included is for trial use only and may not last as long)			
Material	Body: Stainless steel Digital Module: ABS resin			

* Always use the item with a battery installed. Using it without a battery may cause malfunction.

- Calibration certificate (JCSS) on p.253

Digital Caliper Carbon Fiber Body



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
19989	100 mm	178x61x17	40	4 960910 199897	5	
19990	150 mm	237x77x19	65	4 960910 199903	5	

Features

- Easy-to-read displays with character heights of 11 mm (19989) and 15 mm (19990)
- Will not scratch other surfaces
- Zero set function enables relative measurement or indirect measurement
- Strap hole (19989)
- Auto power off function

Use

- For measuring outside, inside, depth (19990), and gap
- For relative measurement and indirect measurement

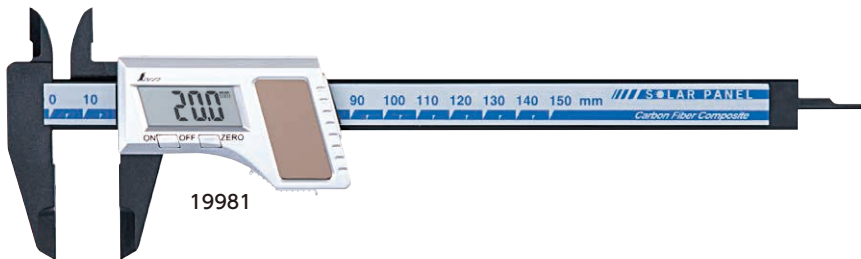
Specifications

Item Code	19989	19990		
Body Size	a	178 mm	a	237 mm
	b	61 mm	b	77 mm
	c	12 mm	c	16 mm
	d	30 mm	d	40 mm
	e	50 mm	e	60 mm
	f	13 mm	f	16 mm
	g	—	g	3.9 mm
Measuring Range	0.1 - 100 mm		0.1 - 150 mm	
Minimum Reading	0.1 mm			
Depth Probe	None		Attached	
Accuracy	Outside Measurement : ±0.3 mm Inside Measurement ±0.5 mm			
Use Temperature	0 - 40°C			
Storage Temperature	-10 - 60°C			
Storage Humidity	Below 80%			
Auto power off	Power automatically turns off 5 minutes after turning on			
Battery	1x Lithium battery CR1620		1x Lithium battery CR2032 (Battery included is for trial use only and may not last as long)	
Material	Body: Carbon fiber composite (Carbon 5% component) Digital Module: ABS resin			

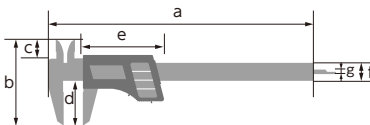
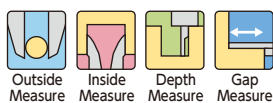
● Parts are listed from p.243

Carpenter's Squares
Stainless Steel Rules / Machine Scale
Aluminum Rules
Resin Rules / Bamboo Rules
Squares / Protractors
Vernier Calipers / Micrometers
Tape Measures
Surveying Products
Scales
Levels
Lasers / Optical Equipment
Inklings / Chalklines / Plumblines
Circular Saw Guides
Construction Tools
Industrial Tools
Thermometers / Hygrometers / Siren Measuring Instruments
Outdoor Products
Magnifying Glasses
Drawing Tools
Magnets

Digital Caliper Carbon Fiber Body with Solar Panel



Includes storage case



Features

- Will not scratch other surfaces
- With auto power off function
- Zero set function enables relative measurement or indirect measurement
- Dual power model with solar panel and lithium battery
*Solar panel reduces the use of battery when surrounding illuminance is over 200 lux.



Use

- For measuring outside, inside, depth, and gap
- For relative measurement and indirect measurement

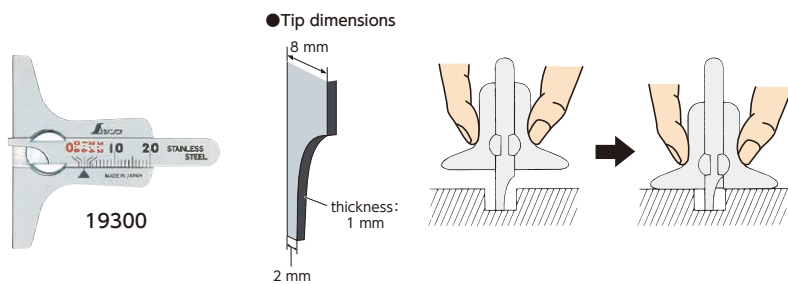
Specifications

Body Size	a	237 mm
	b	77 mm
	c	16 mm
	d	40 mm
	e	70 mm
	f	16 mm
	g	3.9 mm
	Measuring Range	0.1 - 150 mm
Minimum Reading	0.1 mm	
Depth Probe	Attached	
Accuracy	Outside Measurement : ±0.3 mm Inside Measurement: ±0.5 mm	
Use Temperature	0 - 40°C	
Storage Temperature	-10 - 60°C	
Storage Humidity	Below 80%	
Auto power off	Power automatically turns off 5 minutes after turning on	
Battery*	Solar panel / 1x Lithium battery CR2016 <small>(Battery included is for trial use only and may not last as long)</small>	
Material	Body: Carbon fiber composite (Carbon 5% component) Digital Module: ABS resin	

* Always use the item with a battery installed. Using it without a battery may cause malfunction.

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
19981	150 mm	237×77×14.5	59	4 960910 199811	5	C

Depth Gauge



Features

- Small size, easy carrying
- Fixing screw
- Comes with case



Use

- For measuring groove depth on tires

Specifications

Measuring Range	0.1 - 20 mm	
Accuracy	±0.1 mm	
Material	Body: Stainless steel Screw: Iron	

[For Reference] Minimum Tire Groove Depth

Bicycle	0.8 mm
Passenger Car	1.6 mm
Small Truck	1.6 mm
Large Truck	1.6 mm
Bus	1.6 mm

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
19300	Mini	60×55×10	32	4 960910 193000	10	SP

Digital Depth Gauge Mini

19310

Includes storage case (19310)

- Coating thickness measurement
- Depth measurement

● Tip dimensions

Needle probe: 25 mm length, $\phi 1$ mm diameter, 15 mm distance to tip, $\phi 4.8$ mm diameter at base.
 Cylindrical probe: $\phi 4.8$ mm diameter.

19305

- Depth measurement

● Tip dimensions

Tip end: 2.7 mm width, 2.7 mm diameter, 4.0 mm length, 0.6 mm diameter at base.
 Side of tip part: 2.0 mm width.

Features

- Automatically turns on just by sliding the module
- Auto power off function
- Digital Depth Gauge Mini 25 mm Metal Head with Guide Attachment
- Metal probe can be changed according to usage scenario
 - Needle probe (tip is sharp)
 - Can measure the film thickness of urethane waterproof materials
 - Cylindrical probe (tip is flat, $\phi 1$ mm)
 - Can measure the depth in a narrow space. Also has better wear resistance than resin.
- Comes with a measurement guide that stabilizes gauge vertically
- Large easy-to-read display with a 15 mm character height
- Digital Depth Gauge mini 25 mm
 - Resin construction makes it lightweight and will not scratch other surfaces

Use

- For measuring various depths
- For measuring the thickness of urethane waterproofing coatings (19310)

Specifications

Item Code	19310	19305
Measuring Range	0.1 - 25 mm (Film thickness measurement: 0.1-15 mm)	0.1 - 25 mm
Minimum Reading	0.1 mm	
Accuracy	± 0.2 mm	
Use Temperature	0 - 40°C	
Storage Temperature	-10 - 60°C	
Storage Humidity	Below 80%	
Auto power off	Power automatically turns off 5 minutes after turning on	
Battery	1x Lithium battery CR2032	1x Silver oxide battery SR44 (Battery included is for trial use only and may not last as long)
Material	Body: Nylon resin (with fiberglass) Digital Module: ABS resin Metal Head: Stainless steel (19310) Guide Attachment: Polycarbonate (19310)	

Accessories (19310)

- 2 metal probes
- Measurement guide
- Storage case



● Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
19310	25 mm Metal Head with Guide Attachment	113×60×18*1	46*2	4 960910 193109	3	
19305	25 mm	112.5×60×15	43	4 960910 193055	10	

*1 When metal probe is attached. *2 Excluding measurement guide when metal probe is attached.

Digital Depth Gauge with Hold Function

19306

Includes storage case

- Tip dimensions

● Parts are listed from p.243

Features

- Ideal for precision work with a minimum reading value of 0.01 mm
- Zero set function enables relative measurement
- Hold function is useful when the screen cannot be seen
- Automatically turns on just by sliding the module
- Auto power off function

Use

- For measuring depth



Specifications

Item Code	19306	19307		
Body Size	a	230 mm	a	280 mm
	b	100 mm	b	100 mm
	c	42 mm	c	42 mm
	d	42 mm	d	42 mm
	e	62 mm	e	62 mm
	f	16 mm	f	16 mm
Measuring Range	0.01 - 150 mm	0.01 - 200 mm		
Minimum Reading	0.01 mm			
Accuracy	± 0.03 mm			
Use Temperature	0 - 40°C			
Storage Temperature	-10 - 60°C			
Storage Humidity	Below 80%			
Auto power off	Power automatically turns off 5 minutes after turning on			
Battery	1x Silver oxide battery SR44 (Battery included is for trial use only and may not last as long)			
Material	Body: Stainless steel Digital Module: ABS resin			

● Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
19306	150 mm	232×100×15	166	4 960910 193062	3	
19307	200 mm	284×100×15	187	4 960910 193079		

Carpenter's Squares
 Stainless Steel Rules / Machine Scale
 Aluminum Rules
 Resin Rules / Bamboo Rules
 Squares / Protractors
 Vernier Calipers / Micrometers
 Tape Measures
 Surveying Products
 Scales
 Levels
 Lasers / Optical Equipment
 Incliners / Chalklines / Plumblines
 Circular Saw Guides
 Construction Tools
 Industrial Tools
 Thermometers / Hygrometers / Scientific Measuring Instruments
 Outdoor Products
 Magnifying Glasses
 Drawing Tools
 Magnets

Micrometer



78935



78936

Includes storage case



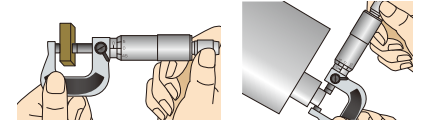
Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
78935	0 - 25 mm	52x128x20	205	4 960910 789357	3	SP
78936	25 - 50 mm	70x162x20	265	4 960910 789364	3	SP

Features

- Tough coating and plating for flake and rust-resistance
- Speedy adjustment to measurement base

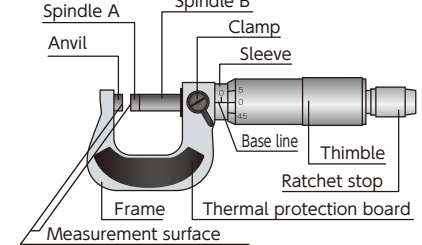
Use

- For measuring thickness



Specifications

- Parts names



Item Code	78935	78936
Measuring Range	0.01 - 25 mm	25 - 50 mm
Minimum Reading	0.01 mm	
Accuracy	±0.01 mm (to measurement range)	
Material	Anvil: Carbide alloy Spindle A: Carbide alloy Spindle B: Bearing steel	
Accessories	Key wrench	Key wrench, reference rod for 0 point adjustment

● Calibration certificate (JCSS) on p.253

Digital Micrometer



79523

With spherical attachment



Includes storage case



- Easy relative measurement with ZERO set switch

1. Measure the base



2. Push the ZERO set switch



3. The difference from the base is displayed



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
79523	0 - 25 mm	61x156x28	201	4 960910 795235	2	SP

Features

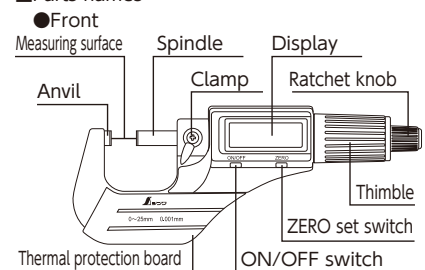
- Digital display to read at a glance
- Speedy measurement with Thick Thimble + Ratchet knob
- Zero set function enables relative measurement
- Auto power off function
- Superhard chip on measuring surface
- Spherical attachment, convenient to measure the thickness of pipe

Use

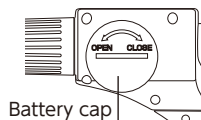
- For measuring thickness

Specifications

- Parts names



- Back



Measuring Range	0.001 - 25 mm
Minimum Reading	0.001 mm
Measuring Force	10 N
Accuracy	±0.003 mm
Use Temperature	0 - 40°C
Storage Temperature	-20 - 60°C
Auto power off	Approximately 4 minutes
Battery	1x Lithium battery CR2032 (Battery included is for trial use only and may not last as long)
Material	Frame: SC steel Spindle: High-carbon chrome steel Measurement Surface: Superhard chip
Accessories	Spherical attachment, wrench for battery cover

● Calibration certificate (JCSS) on p.253

7. Tape Measures



Scan here to see videos of various products



Tape Measure Features

TOUGH GEAR HG	TOUGH GEAR SD	TOUGH GEAR Automatic Stop	RIGHT GEAR KIWADACHI	RIGHT GEAR	SMART GEAR	Tape Measure
▶ p.65	▶ p.65	▶ p.66	▶ p.67	▶ p.68	▶ p.69	▶ p.69
Stainless Tape		Automatic Stop		Greater Stand-Out		Compact Size
JIS Grade 1 (for metric graduation only)						JIS Grade 1 (for metric graduation only)
Nylon Coated Tape						
Shock Absorber Protector						
Supports MAG-LOCK Holder						

Features

<h3>Stainless Tape</h3> <p>Rust-resistant stainless tape and stainless spring</p> <p>Nylon coating Rust-resistant finish + baked finish Stainless material</p>	<h3>Automatic Stop</h3> <p>Automatic stopper locks the tape at any pulled position</p>	<h3>Greater Stand-Out</h3> <p>Tape with greater stand-out (21% increase from conventional products)</p>	<h3>Compact Size</h3> <p>Compact design and fits easily into waist pouch</p>
<h3>JIS Grade 1 (for metric graduation only)</h3> <p>JIS Grade 1 Tape Measure</p>	<h3>Nylon Coated Tape</h3> <p>Nylon coated tape for durability against friction and scratching</p> <p>Nylon coating Baked finish Carbon steel</p>	<h3>Shock Absorber Protector</h3> <p>Shock-absorbing elastomer resin protector to protect case.</p>	<h3>Supports MAG-LOCK Holder</h3> <p>Compatible with MAG-LOCK Holder.</p>

NEW New catalog items
 E English package
 R With red numbers
 12 Japanese zodiac signs
 cm/shaku (Upper side (or Front) metric / Lower side (or Back) shaku)
 shaku/cm (Upper side (or Front) shaku / Lower side (or Back) metric)
 U With magnet
 CAL Optional JCSS certificate
 O With non-slip pad
 B With battery
 L Lithium-ion battery
 V Vial with luminous sheet
 G With groove for slider
 S With stopper
 D With direction arrow
 O Oil

Carpenter's Squares
 Stainless Steel Rules / Machine Scale
 Aluminum Rules
 Resin Rules / Bamboo Rules
 Squares / Protractors
 Vernier Calipers / Micrometers
 Tape Measures
 Surveying Products
 Scales
 Levels
 Lasers / Optical Equipment
 Incliners / Chalklines / Plumblines
 Circular Saw Guides
 Construction Tools
 Industrial Instruments
 Thermometers / Hygrometers / Scales / Measuring Instruments
 Outdoor Products
 Magnifying Glasses
 Drawing Tools
 Magnets

Tape Measure TOUGH GEAR HG



Rust-resistant stainless tape and stainless spring
 Nylon-coated stainless tape for durability against friction and scratching

Nylon coating
 Rust-resistant finish + baked finish
 Stainless material

- Comes with One-touch Holder for Tape Measure (80825)
- Strong cord with wire core
- Easily detachable belt holder



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
80821	HG 25-5.5 m JIS	80×78×49	329	4 960910 808218		
80822	HG 25-5.5 m/shaku	80×78×49	329	4 960910 808225	4 (40)	
80823	HG 25-5.5 m with Magnetic Hook JIS	80×78×49	329	4 960910 808232		SP
80824	HG 25-7.5 m JIS	86×85×49	446	4 960910 808249	4 (24)	
80818	HG 25-5.5 m/shaku with Holder	86×78×69	385	4 960910 808188	4 (40)	

Refer to P. 2 about the shaku scale

Features

- JIS Grade 1 (metric graduation model)
- Comes with a hook guard
- Shock proof protector covers the body
- Shock absorber attached to reduce impact when retracting tape
- 455 mm pitch indication
- Zero point auto-correct hook
- Comes with a metal shaft to which a safety cord can be attached
- Models without Holder
 - Belt clip and strap come as standard
- Magnetic Hook
 - Strong neodymium magnet sticks well to steel frames

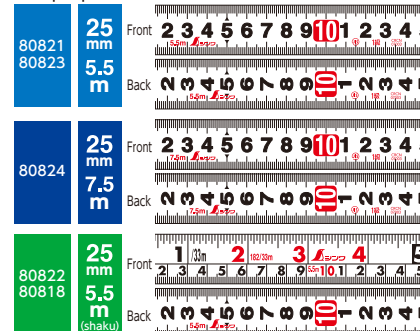
Use

- For measuring length

Specifications

Item Code	80821	80822	80823	80824	80818
Tape Width	25 mm				
Tape Length	5.5 m		7.5 m		
Material	Body: ABS resin Cover: Elastomer resin Tape: Stainless steel				

Tape pattern



Tape Measure TOUGH GEAR SD



Nylon-coated tape for durability against friction and scratching

Nylon coating
 Baked finish
 Carbon steel

- Comes with One-touch Holder for Tape Measure (80825)
- Strong cord with wire core
- Easily detachable belt holder



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
80874	SD 25-5.5 m JIS	80×78×49	314	4 960910 808744		
80875	SD 25-5.5 m/shaku	80×78×49	314	4 960910 808751	4 (40)	
80876	SD 25-5.5 m with Magnetic Hook JIS	80×78×49	314	4 960910 808768		
80877	SD 25-7.5 m JIS	85×86×49	440	4 960910 808775	4 (24)	
80870	SD 25-5.5 m with Holder JIS	90×78×69	376	4 960910 808706		SP
80871	SD 25-5.5 m/shaku with Holder	90×78×69	376	4 960910 808713	4 (40)	
80872	SD 25-5.5 m with Magnetic Hook with Holder JIS	90×78×69	376	4 960910 808720		
80873	SD 25-7.5 m with Holder JIS	94×85×69	510	4 960910 808737	4 (24)	

Refer to P. 2 about the shaku scale

Features

- JIS Grade 1 (metric graduation model)
- Comes with a hook guard
- Shock proof protector covers the body
- Shock absorber attached to reduce impact when retracting tape
- 455 mm pitch indication
- Zero point auto-correct hook
- Comes with a metal shaft to which a safety cord can be attached
- Models without Holder
 - Belt clip and strap come as standard
- Magnetic Hook
 - Strong neodymium magnet sticks well to steel frames

Use

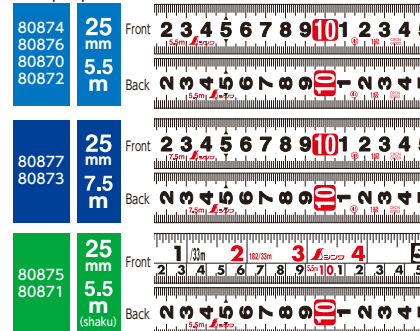
- For measuring length

Specifications

Item Code	80874	80875	80876	80877
Tape Width	25 mm			
Tape Length	5.5 m		7.5 m	
Material	Body: ABS resin Cover: Elastomer resin Tape: Carbon tool steel			

Item Code	80870	80871	80872	80873
Tape Width	25 mm			
Tape Length	5.5 m		7.5 m	
Material	Body: ABS resin Cover: Elastomer resin Tape: Carbon tool steel			

Tape pattern



Tape Measure TOUGH GEAR Automatic Stop

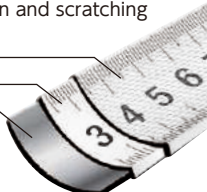


80814

80813

Nylon coated tape for durability against friction and scratching

Nylon coating
Baked finish
Carbon steel



- Comes with One-touch Holder for Tape Measure (80825)
 - Strong cord with wire core
 - Easily detachable belt holder



- Models without Holder
 - Belt clip
 - Hand strap



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
80814	19-5.5 m JIS	80×83×41	258	4 960910 808140	4 (40)	
80815	25-5.5 m JIS	80×83×46	309	4 960910 808157		
80816	25-5.5 m/shaku	80×83×46	309	4 960910 808164		
80813	25-5.5 m/shaku with Holder	90×85×63	369	4 960910 808133		

Refer to P. 2 about the shaku scale

Features

- JIS Grade 1 (metric graduation model)
- Comes with a hook guard
- Automatic stopper locks the tape at any pulled position
- Shock-proof protector covers the body
- Shock absorber attached to reduce impact when retracting tape
- 455 mm pitch indication
- Zero point auto-correct hook
- Comes with a metal shaft to which a safety cord can be attached

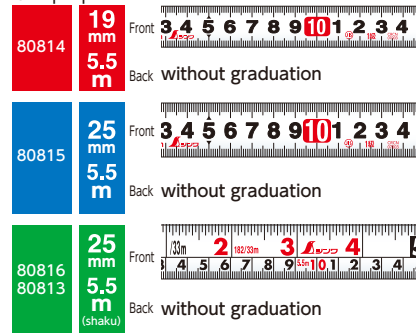
Use

- For measuring length

Specifications

Item Code	80814	80815	80816	80813
Tape Width	19 mm	25 mm		
Tape Length	5.5 m			
Material	Body: ABS resin Cover: Elastomer resin Tape: Carbon tool steel			

Tape pattern



Holder for Tape Measure



80831

- Compatible with horizontal belts and full harness vertical belts



Features

- MAG-LOCK Holder for Tape Measure**
 - Instantly catches stopper and can be easily removed with one hand
 - Stopper can rotate 360° when attached to the holder, which lessens impacts
 - Gap prevention spacer prevents gaps for belts of different thicknesses
 - Holder can be attached without removing belt and firmly fixed with its screw
 - Hold release button is located in center for either vertical or horizontal belt attachment
 - Metal swivel hook for safety cord attachment
- One-touch Holder for Tape Measure**
 - Safety cord can be attached
 - Detachable while belt is on

Use

- For tape measure holders

Specifications

Item Code	80831
Attachable Belt	Less than 60 mm wide and less than 4 mm thick
Attachable Tape Measure	Shinwa Rules' Tough Gear/Light Gear/Smart Gear Series
Material	Body: ABS resin, polycarbonate resin, polyacetal resin Magnet: Neodymium Screw: Iron Stainless hook, Shaft pin Spring: Stainless steel Nut: Iron, brass
Included	Installation stopper, gap prevention spacer, Screw



80825

- Detachable with one touch



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
80831	MAG-LOCK	95×60×29	75	4 960910 808317	6	
80825	One-touch	85×42×28	35	4 960910 808256	20	

Parts are listed on p.243

Tape Measure RIGHT GEAR KIWADACHI **NEW**



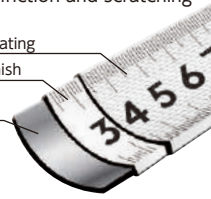
81019



81020

Nylon-coated tape for durability against friction and scratching

Nylon coating
Baked finish
Carbon steel



81025



81027



81121



81122



81124



80837

●Parts are listed on p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
81019	25-5.0 m JIS	72×72×40	270	4 960910 810198	6 (36)	SP
81020	25-5.0 m/shaku	72×72×40	270	4 960910 810204		
81024	25-5.0 m with Magnetic Hook JIS	72×72×40	270	4 960910 810242	6 (24)	SP
81025	25-7.0 m JIS	85×82×45	395	4 960910 810259		
81027	25-7.0m with Magnetic Hook JIS	85×82×45	395	4 960910 810273	6 (36)	SP
81121	25-5.0 m with Holder JIS	72×72×40	345	4 960910 811218		
81122	25-5.0 m with Magnetic Hook with Holder JIS	72×72×40	345	4 960910 811225	6 (24)	SP
81123	25-5.0 m/shaku with Holder	72×72×40	345	4 960910 811232		
81124	25-7.0 m with Holder JIS	85×82×45	470	4 960910 811249	6 (36)	SP
81125	25-7.0 m with Magnetic Hook with Holder JIS	85×82×45	470	4 960910 811256		
80837	25-5.0 m with Holder and Cord JIS	72×72×40	505	4 960910 808379	6 (36)	SP
80838	25-5.0 m with Magnetic Hook with Holder and Cord JIS	72×72×40	505	4 960910 808386		

Features

- JIS Grade 1 (metric graduation model)
- Tape with greater stand-out (21% increase from conventional products) are used
- Comes with a hook guard
- Shock proof protector covers the body
- Convenient large hook hanger to attach a safety cord
- Shock absorber attached to reduce impact when retracting tape
- 455 mm pitch indication
- Zero point auto-correct hook
- Strong neodymium magnetic hook sticks well to steel frames (81024/81027/81122/81125/80838)
- Double-sided graduations (Metric graduations are vertical graduations on the reverse)
- Models without Holder
 - Belt clip
 - Hand strap
- With holder
 - With MAG-LOCK Holder for Tape Measure
 - Hand strap
- With holder and cord
 - With MAG-LOCK Holder for Tape Measure and cord to prevent falling



Use

- For measuring length

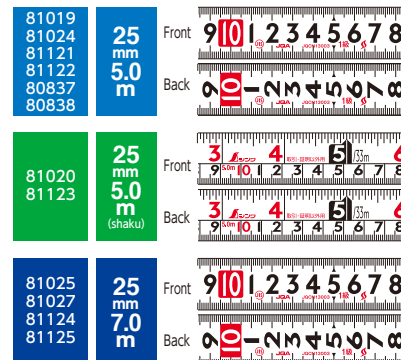
Specifications

Item Code	81019	81020	81024	81025	81027
Tape	Width	25 mm			
	Length	5.0 m		7.0 m	
Material	Body: ABS resin Cover: Elastomer resin Tape: Carbon tool steel				

Item Code	81121	81122	81123	81124	81125
Tape	Width	25 mm			
	Length	5.0 m		7.0 m	
Material	Body: ABS resin Cover: Elastomer resin Tape: Carbon tool steel				

Item Code	80837	80838
Tape	Width	25 mm
	Length	5.0 m
Material	Body: ABS resin Cover: Elastomer resin Tape: Carbon tool steel	

●Tape pattern



Tape Measure RIGHT GEAR



80862



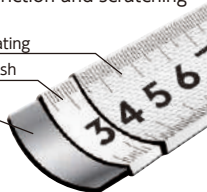
80863

Nylon-coated tape for durability against friction and scratching

Nylon coating

Baked finish

Carbon steel



80864



80866



80865



80867



80855



80868



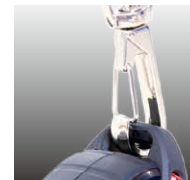
Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
80862	19-5.5 m JIS	72x72x40	222	4 960910 808621	12 (48)	
80863	19-5.5 m/shaku	72x72x40	222	4 960910 808638		
80864	25-5.5 m JIS	72x72x45	268	4 960910 808645		
80866	25-5.5 m/shaku	72x72x45	268	4 960910 808669		
80865	25-5.5 m with Magnetic Hook JIS	72x72x45	268	4 960910 808652	6 (24)	
80867	25-7.5 m JIS	85x82x45	378	4 960910 808676		
80855	25-7.5 m/shaku	85x82x45	378	4 960910 808553		
80868	25-7.5 m with Magnetic Hook JIS	85x82x45	378	4 960910 808683		

Features

● JIS Grade 1 (metric graduation model)



- Equip with a hook guard.
- Shock proof protector covers the body
- Convenient large hook hanger to attach a safety cord
- Shock absorber attached to reduce impact when retracting tape
- Belt clip
- Hand strap
- 455 mm pitch indication
- Zero point auto-correct hook
- Strong neodymium magnetic hook sticks well to steel frames (80865/80868)
- Double-sided graduations (Metric graduations are vertical graduations on the reverse)



Use

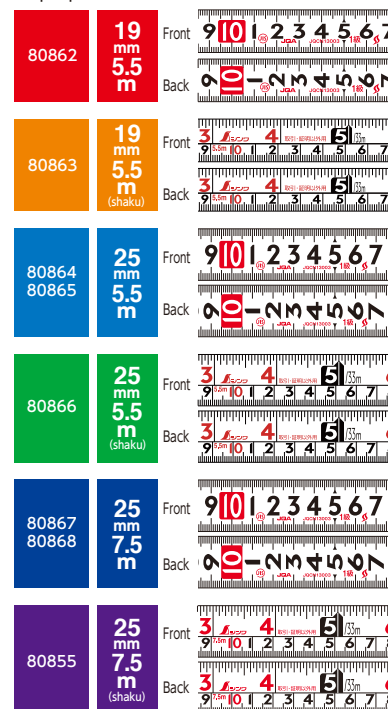
- For measuring length

Specifications

Item Code	80862	80863	80864	80866
Tape	Width	19 mm	25 mm	
	Length	5.5 m		
Material	Body: ABS resin Cover: Elastomer resin Tape: Carbon tool steel			

Item Code	80865	80867	80855	80868
Tape	Width	25 mm		
	Length	5.5 m	7.5 m	
Material	Body: ABS resin Cover: Elastomer resin Tape: Carbon tool steel			

● Tape pattern



Refer to P. 2 about the shaku scale

Carpenter's Squares
 Stainless Steel Rules / Machine Scale
 Aluminum Rules
 Resin Rules / Bamboo Rules
 Squares / Protractors
 Vernier Calipers / Micrometers
 Tape Measures
 Surveying Products
 Scales
 Levels
 Lasers / Optical Equipment
 Incliners / Chalklines / Plumblines
 Circular Saw Guides
 Construction Tools
 Industrial Tools
 Thermometers / Hygrometers / Scales
 Outdoor Products
 Magnifying Glasses
 Drawing Tools
 Magnets

Tape Measure SMART GEAR



80882



80883

Catchy POP box for retailers



Compact design



Compact design



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
80880	19-5.5 m	70×67×38	210	4 960910 808805	12 (48)	<input checked="" type="checkbox"/>
80881	19-5.5 m/shaku	70×67×38	210	4 960910 808812		
80882	25-5.5 m	75×74×46	275	4 960910 808829		
80883	25-5.5 m/shaku	75×74×46	275	4 960910 808836		
72762	25-5.5 m with Magnetic Hook	75×74×46	275	4 960910 727625		

Refer to P. 2 about the shaku scale

Features

- Shock absorber attached to reduce impact when retracting tape
- Belt clip
- Hand strap
- 455 mm pitch indication
- Zero point auto-correct hook
- Strong neodymium magnetic hook sticks well to steel frames (72762)
- Double-sided graduations (Metric graduations are vertical graduations on the reverse)

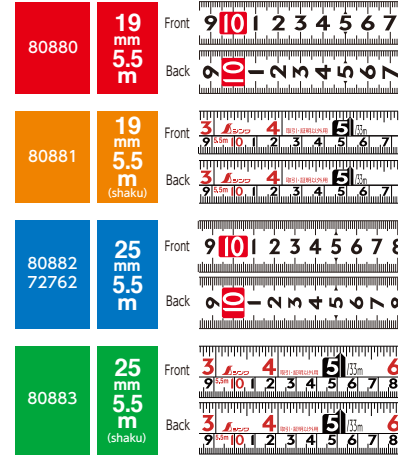
Use

- For measuring length

Specifications

Item Code	80880	80881	80882	80883	72762
Tape Width	19 mm		25 mm		
Tape Length	5.5 m				
Material	Body: ABS resin Cover: Elastomer resin Tape: Carbon tool steel				

● Tape pattern



Tape Measure



78002



78007

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
78002	H-132 Free Type JIS	58×53×22	70	4 960910 780026	12	<input checked="" type="checkbox"/>
78007	H-163 Free Type JIS	57×57×32	128	4 960910 780071		

Features

- JIS Grade 1
- Easy-to-hold, fits in the hand
- Rust-resistant stainless spring
- Shock absorber attached to reduce impact when retracting tape (78007)
- Belt clip (78007)
- Hand strap
- 455 mm pitch indication
- Zero point auto-correct hook

Use

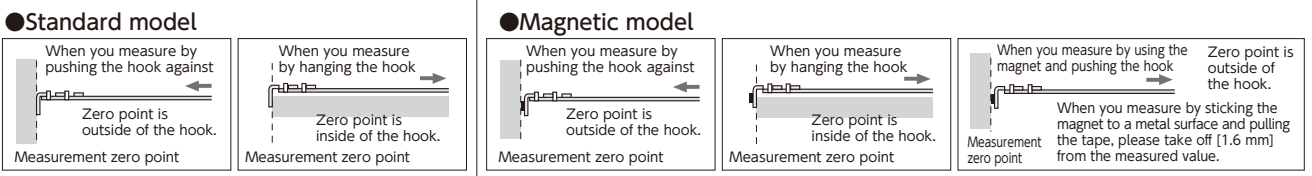
- For measuring length

Specifications

Item Code	78002	78007
Tape Width	13 mm	16 mm
Tape Length	2 m	3.5 m
Material	Body: ABS resin Tape: Carbon tool steel	

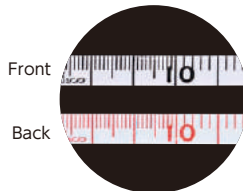
■ Zero Point Auto-correct Hook

The hook position automatically moves in order to correct the length error created by the thickness of the hook between the hook being pushed and pulled.



Spring Tape Measure

71005



Features

- Retract the tape by pushing the center button

Use

- For measurement in dressmaking and curved surfaces

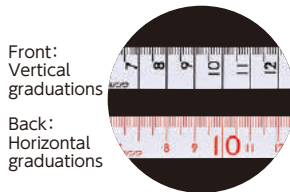
Specifications

Length Tolerance	±1.4 mm	
Tape	Width	8 mm
	Length	1.5 m
Material	Tape: Vinylchloride film with fiberglass Body/Tape End : ABS resin	

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
71005	1.5 m	φ54×20	25		10	

Flat Tape

71013



Features

- For flexible measurement of various objects

Use

- For measurement in dressmaking and curved surfaces

Specifications

Length Tolerance	±1.9 mm	
Tape	Width	15 mm
	Length	1.5 m
Material	Tape: Vinylchloride film with fiberglass Tape End: Steel Calking: Brass	

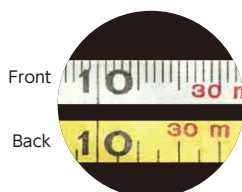
Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
71013	1.5 m	83×16×17	15		10	

Fiberglass Tape Measure

78184



78181



Features

- JIS Grade 1
- Light and portable
- Graduations printed on both sides of the tape

Use

- For general measurement, road, railroad, or electric constructions

Specifications

- Standard Tension/Temperature: 10 N/20°C

Item Code	78184	78181
Tape	Width	12 mm
	Length	30 m / 50 m
Graduation	Front side (White) 2 mm pitch graduation Back side (Yellow) 5 mm pitch graduation	
Material	Tape: Vinylchloride film with fiberglass Body: ABS resin	

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
78184	FW-30 JIS	225×150×35	450		1	
78181	FW-50 JIS	275×195×39	700		1	

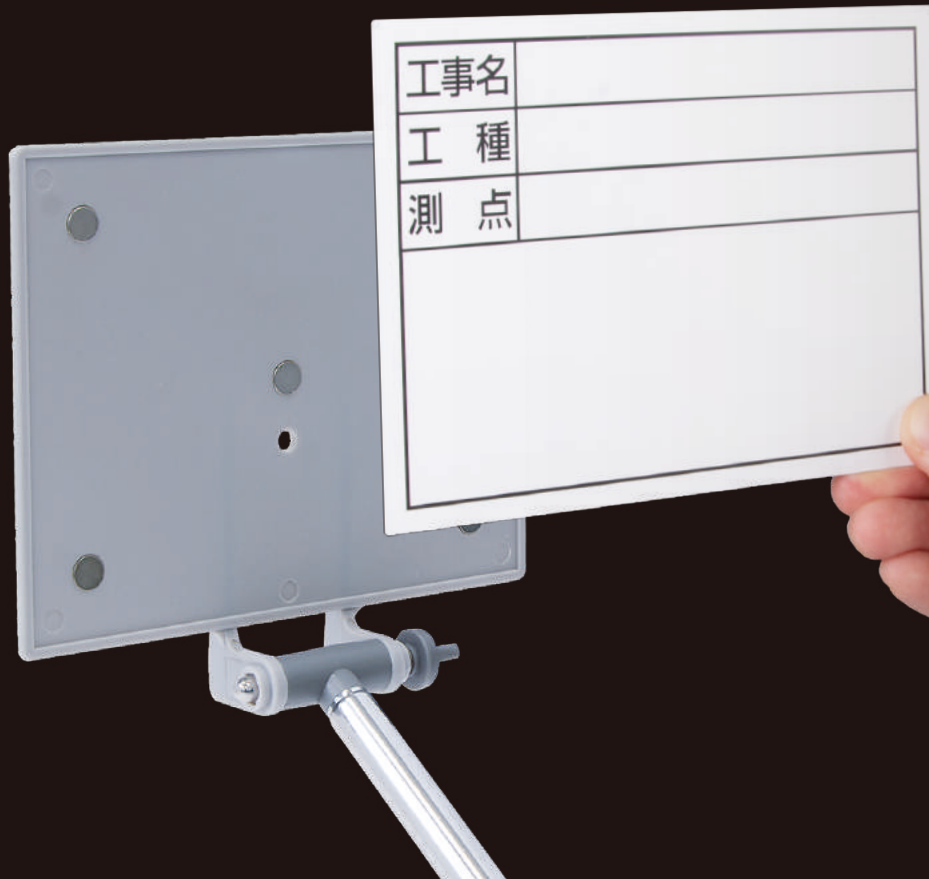
JIS Standards for Steel and Textile Tape Measures

As of October 2021

Steel Tape Measures JIS Standard B 7512: 2018 (abstract)	Textile Tape Measures JIS Standard B 7522: 2018 (abstract)
<p>Tolerances on length for JIS Grade 1</p> <p>Tolerance of the length from the base point and the length between any two graduation lines (minute length): ± (0.2+0.1L) mm</p> <p>Tolerance of the length from the base point of the tape measure (convex) at the end face base point: ± {(0.2+0.1L)+0.2} mm</p> <p>L is the numerical value of the measured length in meters (fractions less than 1 shall be rounded up to the nearest whole number) and has no unit.</p>	<p>Tolerances on length for JIS Grade 1 (Class 1 Line graduation)</p> <p>Tolerance of the length from the base point and the length between any two graduation lines (minute length): ± (0.6+0.4L) mm</p> <p>Tolerance of the length from the base point of the tape measure at the end face base point: ± {(0.6+0.4L)+0.4} mm</p> <p>L is the numerical value of the measured length in meters (fractions less than 1 shall be rounded up to the nearest whole number) and has no unit.</p>

Carpenter's Squares
Stainless Steel Rules / Machine Scale
Aluminum Rules
Resin Rules / Bamboo Rules
Squares / Protractors
Vernier Calipers / Micrometers
Tape Measures
Surveying Products
Scales
Levels
Lasers / Optical Equipment
Inclines / Chalklines / Plumblines
Circular Saw Guides
Construction Tools
Industrial Tools
Thermometers / Hygrometers / Instruments
Outdoor Products
Magnifying Glasses
Drawing Tools
Magnets

8. Surveying Products



Scan here to see videos of various products



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

Aluminum Cross Leveling Rod 60 mm Wide



76936

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
76936	1 x 1.1 m	1,100x68x25	845	4 960910 769366	5	

Features

- Includes two leveling rods and a cross metal fitting to measure both vertically and horizontally

Use

- For on-site record photography

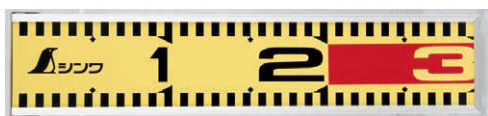
Specifications

Material	Body: Aluminum End of Rods: Polypropylene resin Rods Fixture: Iron (chrome plating)

Plywood Leveling Rod 63 mm Wide with Aluminum Frame



Front



Back

76964

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
76964	30 cm	300x63x12	152	4 960910 769649	1	

Features

- Veneer board is resistant to bending motion
- Numbers are marked every 1 cm on the vertical display side

Use

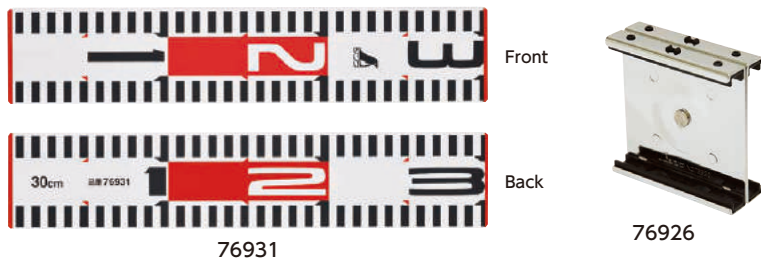
- For on-site record photography

Specifications

Material	Body: Veneer board Frame: Aluminum Tip End: Iron (chrome plating)

New catalog items English package With red numbers Japanese zodiac signs cm/shaku (Upper side (or Front) metric / Lower side (or Back) shaku) shaku/cm (Upper side (or Front) shaku / Lower side (or Back) metric) With magnet
 Optional JCSS certificate With non-slip pad With battery Lithium-ion battery Vial with luminous sheet With groove for slider With stopper With direction arrow Oil

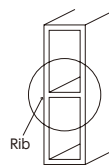
Aluminum Leveling Rod 60 mm Wide



Leveling Rod

Features

- Light, thin aluminum material
- Center rib strengthens the structure against shock
- 100 mm of margin useful for joining with Cross Fitting or using inside as reference point (only 76935)



Use

- For on-site record photography

Specifications

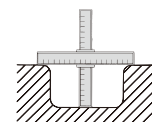
Material	Body: Aluminum End of Rods: Polypropylene resin
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Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
76931	30 cm	300×60×6	105	4 960910 769311	20	
76932	50 cm	500×60×6	175	4 960910 769328		
76933	70 cm	700×60×6	240	4 960910 769335		
76934	1 m	1,000×60×6	340	4 960910 769342		
76935	1.1 m	1,100×60×6	375	4 960910 769359		
77351	1.5 m	1,500×60×6	505	4 960910 773516	10	
77352	2 m	2,000×60×6	675	4 960910 773523		
76926	Cross Fitting for 60 mm Wide	70×68×25	130	4 960910 769267		

Cross Fitting

Features

- Measure both vertically and horizontally by attaching to 60 mm width leveling rod



Use

- Attach to make a cross leveling rod

Specifications

Material	Body: Iron (chrome plating), Polyacetal resin
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Mini Telescopic Leveling Staff

Front Metric graduation



Back Metric + shaku graduation

76900

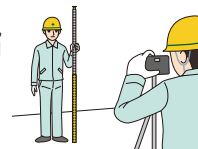


Features

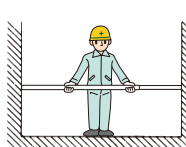
- Convenient for indoor measurement as front features fine 1 mm graduations along both edges
- Back features inner dimension measurement scale that can be read at hand
- Drain holes for outdoor use

Use

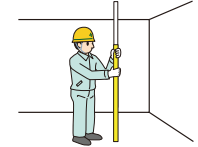
- For horizontal, vertical, inner dimension and height measurements



Inner measurement



Ceiling height measurement



Specifications

Item Code	76863	76900
Length Tolerance	±1.5 mm per 1 m	±2 mm per 1 m
Material	Body: Aluminum Stopper: ABS resin, Stainless steel	

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
76863	2 m 2 Steps	1,085×26×15	370	4 960910 768635	6	
76900	3 m 3 Steps	1,145×32×22	670	4 960910 769007		

Telescopic Leveling Staff II

Front Easy-to-read graduations every 10 mm
Red graduations every 50 mm



Back 1 mm pitch graduations from the reference point **73266**



73264



73265



73266



73267



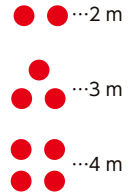
73268

●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
73264	3 m 3 Steps	1,188×50×27	1,100	4 960910 732643	2	B
73265	5 m 3 Steps	1,893×50×27	1,700	4 960910 732650		
73266	5 m 4 Steps	1,489×50×27	1,650	4 960910 732667		
73267	5 m 5 Steps	1,244×50×27	1,600	4 960910 732674		
73268	7 m 5 Steps	1,645×50×27	2,100	4 960910 732681		

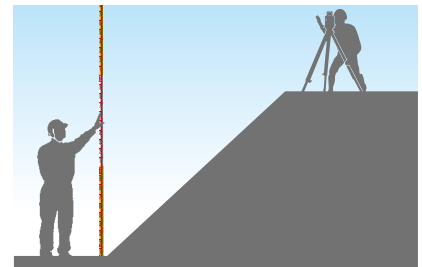
Features

- Front has easy-to-read graduation lines every 10 mm. There are also red graduation lines every 50 mm.
- Background color alternates every 1 m between white and yellow, so one can quickly identify the number of meters even from far away
- Back side has 1 mm pitch graduations from the reference point to also enable use in measurements for landscaping construction, etc.
- In addition to the background color, the number of meters can also be determined by the number of ●



● x 1 indicates 1 m

- Aluminum alloy, light weight, water-resistant
- One-touch detachable boards with the same button for each step make it easy to clean separately
- Convenient for measuring in areas with a large elevation difference such as hills or along the coast (73268)



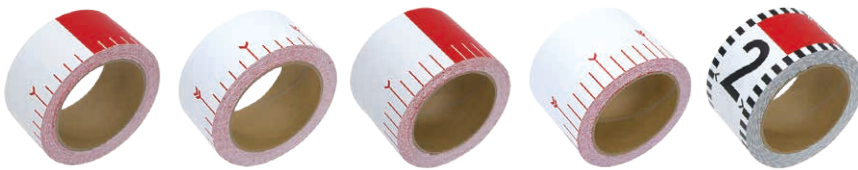
Use

- For leveling horizontally and vertically

Specifications

Length	±L mm
Tolerance	L= m unit's measuring length (fractions are rounded up)
Material	Body: Aluminum Joint: ABS resin

Adhesive Leveling Rod Tape



78192

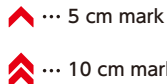
78193

78194

78195

78196

[78192 - 78195]
Thickness of graduation: 1 mm



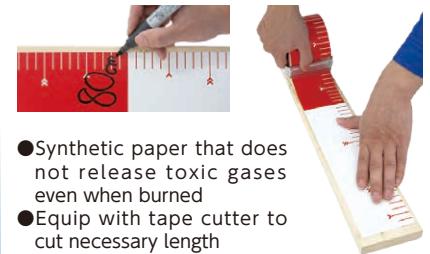
[78196]
Thickness of graduation: 5 mm



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
78192	50 mm x 25 m 20 cm Color Interval	φ107×50	210	4 960910 781924	5	B
78193	50 mm x 25 m 30 cm Color Interval	φ107×50	210	4 960910 781931		
78194	75 mm x 25 m 20 cm Color Interval	φ107×75	310	4 960910 781948		
78195	75 mm x 25 m 30 cm Color Interval	φ107×75	310	4 960910 781955		
78196	60 mm x 26 m 20 cm Color Interval with Numbering	φ107×60	250	4 960910 781962		

Features

- Anti-reflective fabrication so objects will show clearly when photographed
- Will not peel even in temperatures from -10 to 40°C so it can be used reliably in summer or winter
- Can be written with an oil-based marker so a custom rule can easily be made



- Synthetic paper that does not release toxic gases even when burned
- Equip with tape cutter to cut necessary length

Use

- For positioning in banking, drainage and foundation work, as well as for photography

Specifications

Item Code	78192	78193	78194	78195	78196
Tape	Length				
	0.15 mm				
Tape	Thickness				
	25 m			26 m	
Material	Tape: Synthetic paper Cutter: Iron				

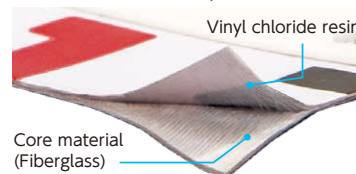
Fiberglass Leveling Rod Tape NEW



Item Code	Description	Thickness (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
77104	1 m JIS	0.65	65	4 960910 771048	5	
77109	2 m JIS	0.65	170	4 960910 771093	5	
77116	3 m JIS	0.65	225	4 960910 771161	5	
77117	5 m JIS	0.65	345	4 960910 771178	5	
77118	10 m JIS	0.65	635	4 960910 771185	5	
77224	1 m with Clear Package JIS	0.65	65	4 960910 772243	1	
77227	2 m with Clear Package JIS	0.65	170	4 960910 772274	1	
77232	3 m with Clear Package JIS	0.65	225	4 960910 772328	1	
77233	5 m with Clear Package JIS	0.65	345	4 960910 772335	1	
77234	10 m with Clear Package JIS	0.65	635	4 960910 772342	1	

Features

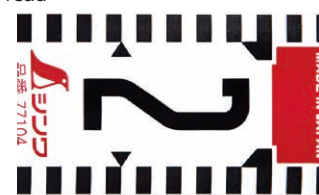
- With convenient metal tab at the tip (except 77104, 77224)
- Graduations on both side extend to the tip
- Stretch-resistant material proven in tensile tests



- Graduations will not wear off. Proven in abrasion resistance tests.



- Graduations photograph well and are easy to read



Use

- For on-site record photography

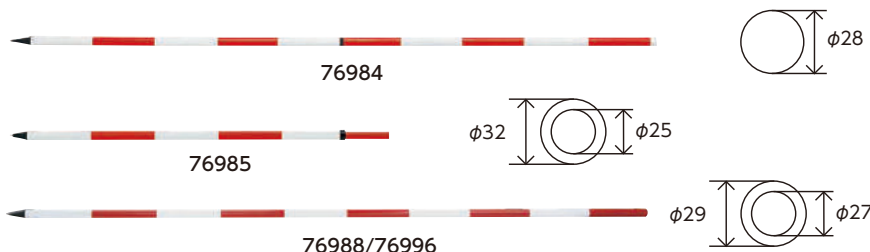
Specifications

Item Code	77104	77224	77109	77227
Length	1 m		2 m	
Graduation	Front	Vertical numerals, both side scales, 20 cm red and white, 5mm increments		
	Back	Horizontal numbers, one side scale, 1 m white, 5mm increments		Horizontal numbers, one side scale, 1 m red and white, 5 mm increments
Standard Tension	Temperature / 50N / 20°C			
Material	Tape: Fiberglass, Polyvinyl Chloride Resin		Tape: Fiberglass, Polyvinyl Chloride Resin	
	Metal Tab: Iron		Metal Tab: Iron	

Item Code	77116	77232	77117	77233	77118	77234
Length	3 m	5 m	5 m	10 m	10 m	10 m
Graduation	Front	Vertical numerals, both side scales, 20cm red and white, 5mm increments				
	Back	Horizontal numbers, one side scale, 1m red and white, 5mm increments				
Standard Tension	Temperature / 50N / 20°C					
Material	Tape: Fiberglass, Polyvinyl Chloride Resin			Tape: Fiberglass, Polyvinyl Chloride Resin		
	Metal Tab: Iron			Metal Tab: Iron		

*Length tolerance $\pm(1.2+0.8L)$ mm
 If end face is used as base point $\pm((1.2 + 0.8L) + 0.4)$ mm
 L is the measurement length in meters

Surveying Pole



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
76984	Wood 2 m	$\phi 28 \times 2,095$	750	4 960910 769847	20	
76985	Aluminum 2 m Steps	$\phi 32(25) \times 1,195$ (During storage)	420	4 960910 769854	30	
76988	Aluminum 2 m	$\phi 29 \times 2,061$	470	4 960910 769885	10	
76996	Aluminum 2 m 10 pc-set	$\phi 29 \times 2,061$	470 $\times 10$	4 960910 769960	1	

Features

- End has a hard, steel tip
- Aluminum model
- Highly weatherproof so it can be used repeatedly under various environments
- Lighter than wood
- Collapsible for transport (76985)
- 10-item value set (76996)



Use

- For indicating position or direction while leveling

Specifications

Item Code	76984	76985	76988	76996
Material	Body: Wood	Body: Aluminum	Body: Aluminum	
	Tip End: Iron	Tip End: PP, iron	Tip End: PP, iron	
	Cap: PP	Cap: PP	Cap: PP	
	Joint: Nylon resin	Joint: Nylon resin		

Carpenter's Squares
Stainless Steel Rules / Machine Scale
Aluminum Rules
Resin Rules / Bamboo Rules
Squares / Protractors
Vernier Calipers / Micrometers
Tape Measures
Surveying Products
Scales
Levels
Lasers / Optical Equipment
Inclines / Chalklines / Plumblines
Circular Saw Guides
Construction Tools
Industrial Instruments
Thermometers / Hygrometers / Surveying Instruments
Outdoor Products
Magnifying Glasses
Drawing Tools
Magnets

Surveying Pin Pole (Steel)



76927

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
76927	30 cm ϕ 4	370×36×4	40	4 960910 769274	10	B
76928	60 cm ϕ 4	670×36×4	74	4 960910 769281		
76976	30 cm ϕ 6	400×56×6	102	4 960910 769762	5	
76977	50 cm ϕ 6	670×56×6	147	4 960910 769779		
76978	60 cm ϕ 6	700×56×6	168	4 960910 769786		
76979	1 m ϕ 8	1,100×57×8	456	4 960910 769793		

Features

- Baked finish for fade-resistance

Use

- For indicating position or direction while leveling

Specifications

Item Code	76927	76928	76976	76977	76978	76979
Diameter	4 mm		6 mm		8 mm	
Material	Iron					

Measuring Wheel



75421

75422

Come with soft case

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
75421	E10-S	1,005×205×190	820	4 960910 754218	1	B
75422	E20-S	1,060×105×210	1,260	4 960910 754225		

Features

- Easy-to-read counter at hand level



- Easy-to-hold handle
- Triple extensions for compact packing



Use

- For construction, plumbing works, engineering works, measurement of properties, measurement of interior works, layout of golf course, landscaping, etc.

Specifications

Item Code	75421	75422
Scale Unit	1 cm	10 cm
Measurement range	1 km	10 km
Maximum Size	980 mm	1,030 mm
Minimum Size	570 mm	620 mm
Wheel Diameter	119 mm	212 mm
Counter	Five-digit number	
Accuracy	±1 cm per 100 cm	
Stand	Without	With
Material	Body: ABS resin, nylon resin, aluminum Wheel: Rubber, polypropylene resin	

Construction Flag



76955

Item Code	Description	Stick Size (mm)	Flag Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
76955	Fabric Pair of White and Red	ϕ 16.5×600	335×442	red: 110 white: 110	4 960910 769557	10	B
76909	Nylon Pair of White and Red	ϕ 16.5×600	340×450	red: 115 white: 115	4 960910 769090		

Features

- Red/white flags are clearly visible from a distance

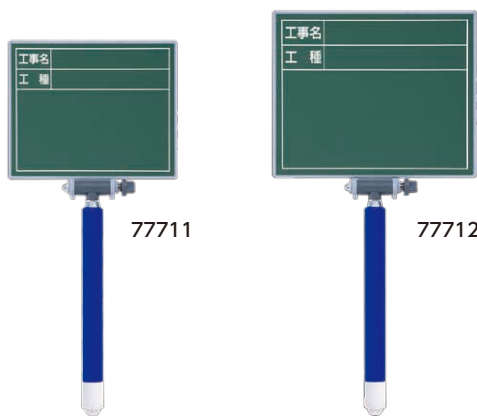
Use

- For controlling traffic at construction sites, etc.

Specifications

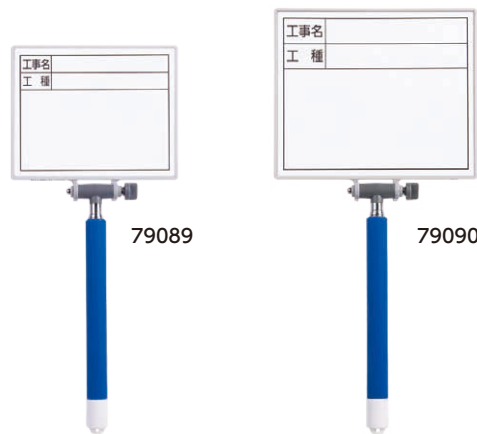
Item Code	76955	76909
Material	Stick: Wood Flag: Fabric	Stick: Wood Flag: Nylon

Replaceable Frame for Construction Board Green with Telescopic Arm



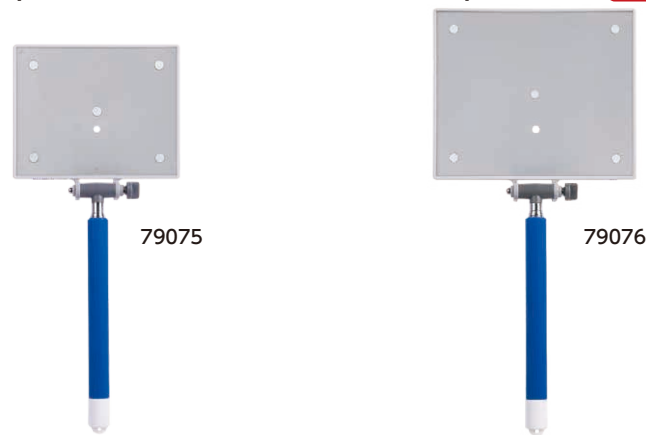
Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
77711	11 x 14 cm with "工事名/工種" Board	198x146x30 (folded)	144	4 960910 777118	5	
77712	14 x 17 cm with "工事名/工種" Board	198x176x30 (folded)	175	4 960910 777125	5	

Replaceable Frame for Construction Board White with Telescopic Arm



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
79089	11 x 14 cm with "工事名/工種" Board	198x146x30 (folded)	142	4 960910 790896	5	
79090	14 x 17 cm with "工事名/工種" Board	198x176x30 (folded)	173	4 960910 790902	5	

Replaceable Frame with Telescopic Arm NEW



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
79075	11x14 cm	198x146x30 (folded)	125	4 960910 790759	5	
79076	14x17 cm	198x176x30 (folded)	145	4 960910 790766	5	

Features

- Does not reflect camera flash easily during photography so board will show clearly
- Can securely lock on any angle
- Easy-to-hold, non-slip rubber grip
- Expands and contracts in 3 stages
- With hole for a strap
- Marker holder can be attached to any location on back of frame for marker storage
- Folds up for compact storage
- Replaceable Frame with Telescopic Arm
 - Steel board (sold separately) can be selected according to the site and application

Use

- For on-site record photography
- Attach a steel board (sold separately) for on-site record photography (79075, 79076)

Specifications

■ Replaceable Frame with Telescopic Arm Green/White

Item Code	77711	79089	77712	79090
Maximum Extension	Up to 725 mm		Up to 755 mm	
Material	Board: Steel Frame, Joint, Fixing Screw Cap: ABS resin Marker holder: ABS resin Telescopic Part: Brass Grip: Silicone rubber Magnet: Neodymium magnet			
Accessory	Board Marking Pen White Ultra Fine Bullet-tip with Eraser and Magnet (77730), Whiteboard Marking Pen Black Ultra Fine Bullet-tip with Eraser and Magnet (76506), Marker Holder (suitable pen diameter: 10 - 12 mm)			

■ Board Marking Pen

Material	Body: ABS resin Magnet: Vinyl chloride synthetic rubber
Ink	Water-based (pigment ink)
Body Size	135 x 13.5 x 16 mm
Weight	9 g

■ Eraser

Material	Polyurethane resin
Body Size	50 x 50 x 20 mm
Weight	1 g

■ Replaceable Frame with Telescopic Arm

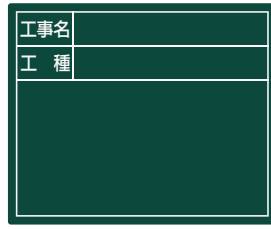
Item Code	79075	79076
Supported board sizes	11 x 14 cm	14 x 17 cm
Maximum Extension	Up to 725 mm	Up to 755 mm
Material	Frame, Joint, Fixing Screw Cap: ABS resin Marker Holder: ABS resin Telescopic Part: Brass Grip: Silicone rubber Magnet: Neodymium magnet	
Accessory	Marker Holder (suitable pen diameter: 10 - 12 mm)	

Carpenter's Squares
Stainless Steel Rules / Machine Scale
Aluminum Rules
Resin Rules / Bamboo Rules
Squares / Protectors
Vernier Calipers / Micrometers
Tape Measures
Surveying Products
Scales
Levels
Lasers / Optical Equipment
Inclines / Chalklines / Plumblines

Steel Writing Board Green

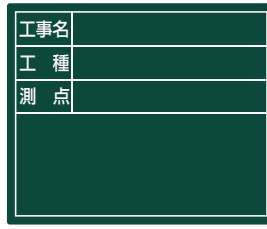


79081/79082

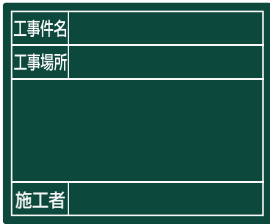


79083/79084

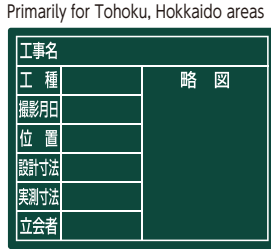
Primarily for Okinawa area



79085/79086



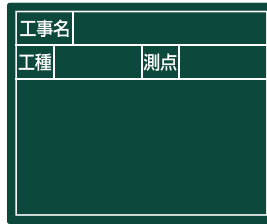
79087/79088



Primarily for Tohoku, Hokkaido areas

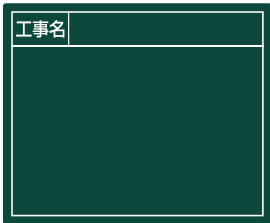
79132/79159

Primarily for Kanto, Kyushu areas

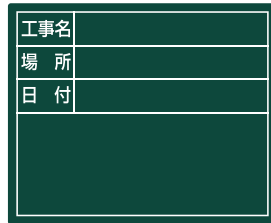


79134/79161

Primarily for Hokuriku, Shikoku areas

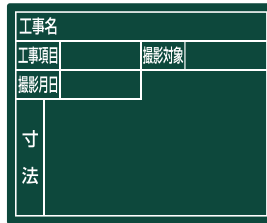


79136/79163



79138/79165

Primarily for Hokkaido area



79140/79167

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
79081	11 x 14 cm	110x140x0.15	16	4 960910 790810		
79083	"工事名/工種" 11 x 14 cm	110x140x0.15	16	4 960910 790834		
79085	"工事名/工種/測点" 11 x 14 cm	110x140x0.15	16	4 960910 790858		
79087	"工事件名/工事場所/施工者" 11 x 14 cm	110x140x0.15	16	4 960910 790872		
79132	"8項目" 11 x 14 cm	110x140x0.15	16	4 960910 791329		
79134	"工事名/工種/測点" 2段 11 x 14 cm	110x140x0.15	16	4 960910 791343		
79136	"工事名" 11 x 14 cm	110x140x0.15	16	4 960910 791367		
79138	"工事名/場所/日付" 11 x 14 cm	110x140x0.15	16	4 960910 791381		
79140	"住宅都市用" 14 x 17 cm	110x140x0.15	16	4 960910 791404		
79082	14 x 17 cm	140x170x0.15	26	4 960910 790827		
79084	"工事名/工種" 14 x 17 cm	140x170x0.15	26	4 960910 790841		
79086	"工事名/工種/測点" 14 x 17 cm	140x170x0.15	26	4 960910 790865		
79088	"工事件名/工事場所/施工者" 14 x 17 cm	140x170x0.15	26	4 960910 790889		
79159	"8項目" 14 x 17 cm	140x170x0.15	26	4 960910 791596		
79161	"工事名/工種/測点" 2段 14 x 17 cm	140x170x0.15	26	4 960910 791619		
79163	"工事名" 14 x 17 cm	140x170x0.15	26	4 960910 791633		
79165	"工事名/場所/日付" 14 x 17 cm	140x170x0.15	26	4 960910 791657		
79167	"住宅都市用" 14 x 17 cm	140x170x0.15	26	4 960910 791671		

Features

●Magnets on the Replaceable Frame make it easy to change the board surface

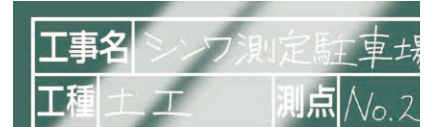


●Does not reflect camera flash easily during photography so board will show clearly

With special processing



Without special processing

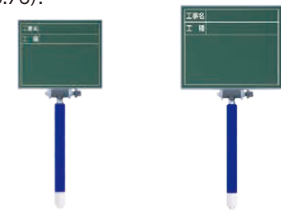


●Choose from 9 patterns of large and small according to the worksite



Use

- For changing the Replaceable Frame's board surface
- For on-site record photography
*A separate replacement frame is required (p.76).



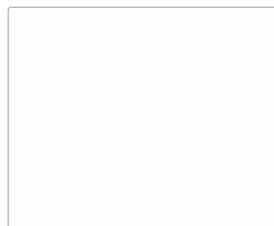
*Please use the special board marking pen (p.84).



Specifications

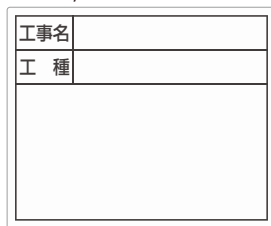
Material Steel

Steel Writing Board White

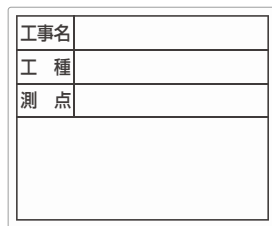


79091/79092

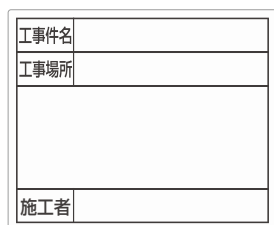
Primarily for Okinawa area



79093/79094

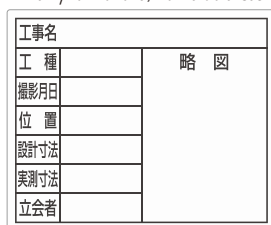


79095/79096



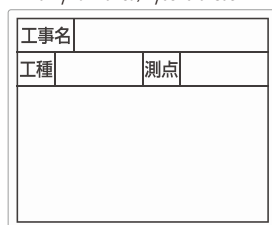
79097/79098

Primarily for Tohoku, Hokkaido areas



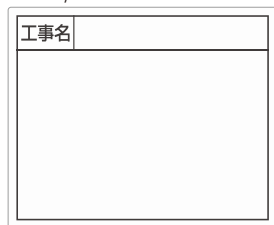
79131/79158

Primarily for Kanto, Kyushu areas



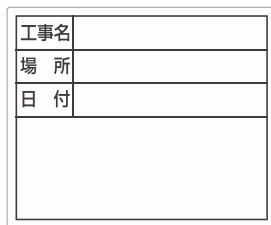
79133/79160

Primarily for Hokuriku, Shikoku areas



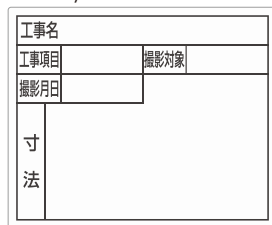
79135/79162

Primarily for Hokkaido area



79137/79164

Primarily for Hokkaido area

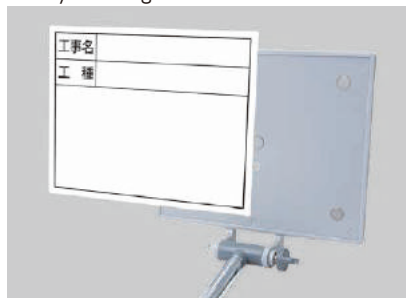


79139/79166

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
79091	11 x 14 cm	110x140x0.16	17	4 960910 790919	5	
79093	"工事名/工種" 11 x 14 cm	110x140x0.16	17	4 960910 790933	5	
79095	"工事名/工種/測点" 11 x 14 cm	110x140x0.16	17	4 960910 790957	5	
79097	"工事件名/工事場所/施工者" 11 x 14 cm	110x140x0.16	17	4 960910 790971	5	
79131	"8項目" 11 x 14 cm	110x140x0.16	17	4 960910 791312	5	
79133	"工事名/工種/測点" 2段 11 x 14 cm	110x140x0.16	17	4 960910 791336	5	
79135	"工事名" 11 x 14 cm	110x140x0.16	17	4 960910 791350	5	
79137	"工事名/場所/日付" 11 x 14 cm	110x140x0.16	17	4 960910 791374	5	
79139	"住宅都市用" 11 x 14 cm	110x140x0.16	17	4 960910 791398	5	
79092	14 x 17 cm	140x170x0.16	26	4 960910 790926	5	
79094	"工事名/工種" 14 x 17 cm	140x170x0.16	26	4 960910 790940	5	
79096	"工事名/工種/測点" 14 x 17 cm	140x170x0.16	26	4 960910 790964	5	
79098	"工事件名/工事場所/施工者" 14 x 17 cm	140x170x0.16	26	4 960910 790988	5	
79158	"8項目" 14 x 17 cm	140x170x0.16	26	4 960910 791589	5	
79160	"工事名/工種/測点" 2段 14 x 17 cm	140x170x0.16	26	4 960910 791602	5	
79162	"工事名" 14 x 17 cm	140x170x0.16	26	4 960910 791626	5	
79164	"工事名/場所/日付" 14 x 17 cm	140x170x0.16	26	4 960910 791640	5	
79166	"住宅都市用" 14 x 17 cm	140x170x0.16	26	4 960910 791664	5	

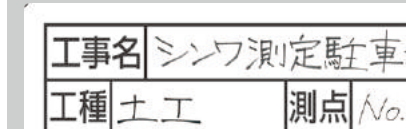
Features

●Magnets on the Replaceable Frame make it easy to change the board surface



●Does not reflect camera flash easily during photography so board will show clearly

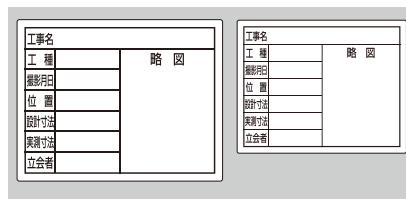
With special processing



Without special processing

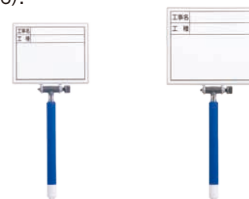


●Choose from 9 patterns of large and small according to the worksite



Use

- For changing the Replaceable Frame's board surface
- For on-site record photography
*A separate replacement frame is required (p.76).



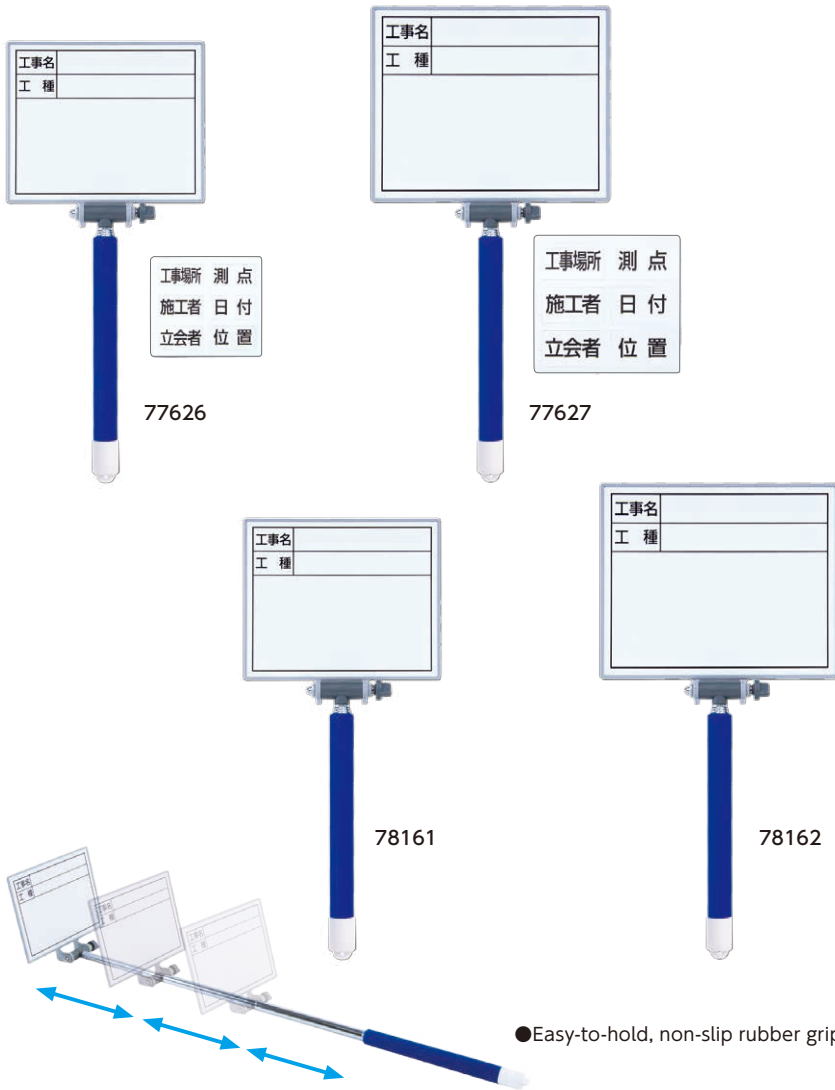
*Please use the special board marking pen (p.84).



Specifications

Material	Steel
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Construction White Board Mini with Telescopic Arm

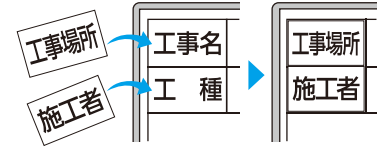


● Easy-to-hold, non-slip rubber grip

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
77626	MCSW 11 x 14 cm with Itemized Magnetic Sheet	198x146x30 (folded)	162	4 960910 776265	5	SP
77627	MCW 14 x 17 cm with Itemized Magnetic Sheet	198x176x30 (folded)	206	4 960910 776272		
78161	MCSW 11 x 14 cm	198x146x30 (folded)	162	4 960910 781610		
78162	MCW 14 x 17 cm	198x176x30 (folded)	206	4 960910 781627		

Features

- Does not reflect camera flash easily during photography so board will show clearly
- Magnetic sheet title is only stuck on so title can be changed easily



- Steel sheet construction so they can be stuck to the back of the whiteboard for storage (77626/77627)



- Can securely lock on any angle



- Folds up for compact storage
- Eraser and whiteboard marking pen (black, ultra fine point) included

Use

- For on-site record photography

Specifications

Whiteboard

Item Code	77626	78161	77627	78162
Maximum Extension	Up to 725 mm		Up to 755 mm	
Material	Board: Iron Frame, Joint, Fixing screw Cap: ABS resin Telescopic Part: Brass Grip: Silicone rubber			
Accessories	Whiteboard Marking Pen Black Ultra Fine Bullet-tip with Eraser and Magnet (78506), Marker Holder (suitable pen diameter: 10 - 12 mm)			

Itemized Magnetic Sheet

Magnetic material	Isotropic
Adsorption power	0.09 N/cm ² , 9 gf/cm ²
Material	Vinyl chloride synthetic rubber

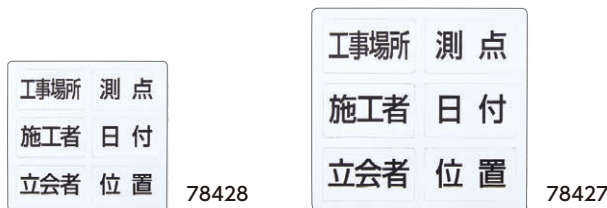
Whiteboard Marking Pen

Body Size	135 x 13.5 x 16 mm
Weight	9 g
Material	Body: ABS resin Magnet: Vinyl chloride synthetic rubber
Ink	Water-based (pigment ink)

Eraser

Body Size	50 x 50 x 20 mm
Weight	1 g
Material	Polyurethane resin

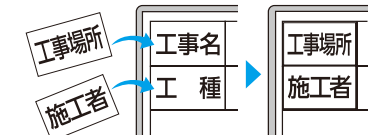
Itemized Magnetic Sheet 6 item-set



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
78428	For Construction White Board Mini MCSW 11 x 14 cm	62x55x0.6	7	4 960910 784284	5	B
78427	For Construction White Board Mini MCW 14 x 17 cm	80x76x0.6	12	4 960910 784277		

Features

- Magnetic sheet title is only stuck on so title can be changed easily



- Steel sheet construction so they can be stuck to the back of the whiteboard for storage

Use

- For changing titles on the Whiteboard Mini with Telescopic Arm Series

Specifications

Magnetic Material	Isotropic
Adsorption Power	0.09 N/cm ² , 9 gf/cm ²
Material	Vinyl chloride synthetic rubber
Accessories	Steel sheet with adhesive

Board Marking Pen



Features

- Smooth flowing alcohol-based ink
- Fine Bullet-tip
- Line width is 2 mm

78503

78504

- Eraser and magnet
- Cap includes a magnet so it can attach to a whiteboard, etc.
- Line width is 1.5 mm

78506

77730

Use

- For writing on whiteboard

Specifications

Item Code	78503	78504
Material	Body: Polypropylene resin	
Ink	Oil-based (pigment ink)	

Item Code	78506	77730
Material	Body: ABS resin Magnet: Vinyl chloride synthetic rubber	
Ink	Water-based (pigment ink)	

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
78503	Whiteboard Marking Pen Black Fine Bullet-tip	135×17×17	13	4 960910 785038	10	
78504	Whiteboard Marking Pen Red Fine Bullet-tip	135×17×17	13	4 960910 785045		
78506	Whiteboard Marking Pen Black Ultra Fine Bullet-tip with Eraser and Magnet	135×13.5×16	9	4 960910 785069		
77730	Board Marking Pen White Ultra Fine Bullet-tip with Eraser and Magnet	135×13.5×16	9	4 960910 777309		

Waterproof Chalkboard Marking Pen/Chalk



Features

- Water-resistant Chalkboard Marking Pen
- Stays on even under wet conditions
- Smooth flowing alcohol-based ink
- 3 mm-wide line shows up clearly in record photography

78505

- Chalk for Water-resistant Chalkboard
- Can be used under wet conditions
- Usable on asphalt or concrete as well as water-resistant chalkboard
- Each chalk is wrapped to keep your hand clean

Use

- For writing on water-resistant chalkboard

Specifications

Item Code	78505	77064
Material	Body: Polypropylene resin	Body: Oil-based (pigment)
Ink	Oil-based (pigment ink)	-

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
78505	Water-resistant Chalkboard Marking Pen White Wide Bullet-tip	130×20×17	20	4 960910 785052	10	
77064	Chalk for Water-resistant Chalkboard	70×11×11	7	4 960910 770645		

Marker/Chalk Compatibility Table

Item Code	Description	Construction Chalk Board Wood	Construction Folding Chalk Board Wood	Construction Water-resistant Chalk Board	Construction Chalk Board Steel	Construction White Board	Folding Construction White Board	Replaceable frame for Construction Board Green with Telescopic Arm	Steel Writing Board Green	Replaceable Frame for Construction Board White with Telescopic Arm	Steel Writing Board White	Construction White Board Mini with Telescopic Arm
78503	Whiteboard Marking Pen Black Fine Bullet-tip	-	-	-	-	○	○	-	-	○	○	○
78504	Whiteboard Marking Pen Red Fine Bullet-tip	-	-	-	-	○	○	-	-	○	○	○
78506	Whiteboard Marking Pen Black Ultra Fine Bullet-tip with Eraser and Magnet	-	-	-	-	○	○	-	-	○	○	○
77730	Board Marking Pen White Ultra Fine Bullet-tip with Eraser and Magnet	-	-	-	-	-	-	○	○	-	-	-
78505	Waterproof Chalkboard Marking Pen White Wide Bullet-tip	-	-	○	-	-	-	○	○	-	-	-
77064	Chalk for Waterproof Chalkboard	-	-	○	-	-	-	-	-	-	-	-

*Usable chalk is listed on p.154.

Eraser



Features

- Eraser for Chalkboard and Whiteboard
- Eraser with magnet
- Eraser for Water-resistant Chalkboard
- Just rub lightly to erase

Use

- For erasing on blackboard, whiteboard, and waterproof chalkboard

Specifications

Item Code	77353	77045
Material	ABS resin, cotton	Melamine foam

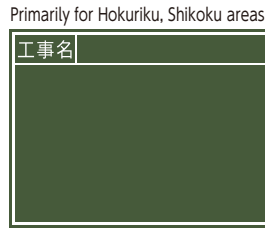
Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
77353	Eraser for Chalkboard and Whiteboard	112×44×29	19	4 960910 773530	10	
77045	Eraser for Water-resistant Chalkboard	98×55×30	1	4 960910 770454		

Carpenter's Squares
Stainless Steel Rules / Machine Scale
Aluminum Rules
Resin Rules / Bamboo Rules
Squares / Protectors
Vernier Calipers / Micrometers
Tape Measures
Surveying Products
Scales
Levels
Lasers / Optical Equipment
Inclines / Chalklines / Plumblines
Circular Saw Guides
Construction Tools
Industrial Tools
Thermometers / Hygrometers / Scientific Measuring Instruments
Outdoor Products
Magnifying Glasses
Drawing Tools
Magnets

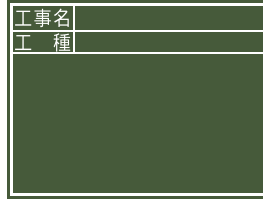
Construction Chalk Board Wood



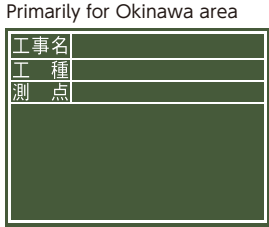
76975



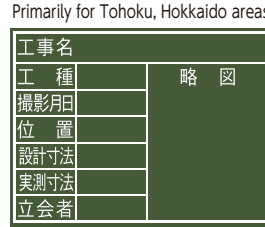
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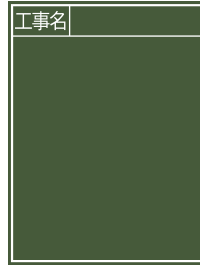
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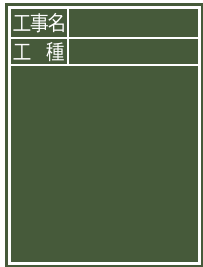
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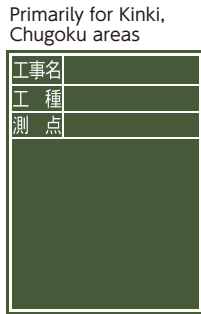
77069



77057



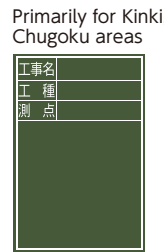
77058



77067



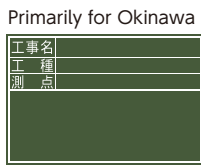
77068



77088



77031

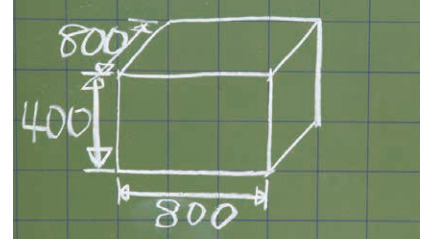


77087

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
76975	A 45 x 60 cm	450x600x18	855	4 960910 769755	10	B
77031	AS 30 x 45 cm	300x450x17	410	4 960910 770317	10	B
76956	B 45 x 60 cm "工事名"	450x600x18	855	4 960910 769564	10	B
77057	B-2 60 x 45 cm "工事名"	600x450x18	855	4 960910 770577	10	B
76957	C 45 x 60 cm "工事名/工種"	450x600x18	855	4 960910 769571	10	B
77058	C-2 60 x 45 cm "工事名/工種"	600x450x18	855	4 960910 770584	10	B
77059	D 45 x 60 cm "工事名/工種/測点"	450x600x18	855	4 960910 770591	10	B
77067	D-2 60 x 45 cm "工事名/工種/測点"	600x450x18	855	4 960910 770676	10	B
77087	DS 30 x 45 cm "工事名/工種/測点"	300x450x17	410	4 960910 770874	10	B
77088	DS-2 45 x 30 cm "工事名/工種/測点"	450x300x17	410	4 960910 770881	10	B
77068	E-2 60 x 45 cm "工事名/工種/位置"	600x450x18	855	4 960910 770683	10	B
77069	F 45 x 60 cm "8項目"	450x600x18	855	4 960910 770690	10	B

Features

● Suitable for construction site photography



● Dark grid lined

50x50 mm per square for 60x45 cm and 45x60 cm board, 28x28 mm per square for 30x45 cm board



● Eraser + 3 pc-pack of chalk included

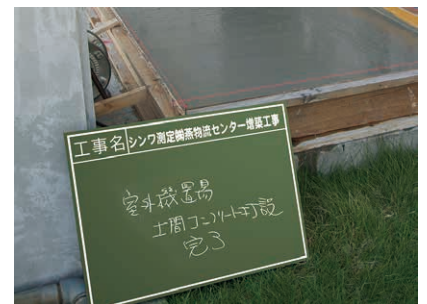


● Folding stand and storage for equipment at the back



Use

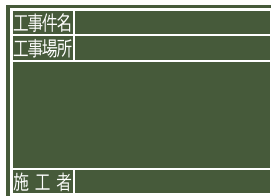
● For on-site record photography



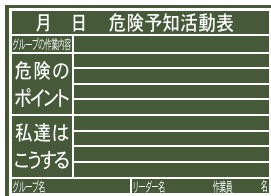
Specifications

Material	Body: Wood
Accessories	Eraser, 3 pc-pack of chalk

Construction Chalk Board Wood



77078



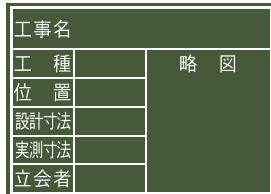
77079



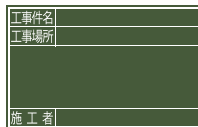
77037

Primarily for Kanto, Kyushu areas

Primarily for Koushinetsu, Tohoku areas



77314



77329



77334

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
77078	G 45 x 60 cm "工事件名/工事場所/施工者"	450×600×18	855	4 960910 770782	10	[B]
77329	GS 30 x 45 cm "工事件名/工事場所/施工者"	300×450×17	410	4 960910 773295		
77079	H 45 x 60 cm "危険予知活動表"	450×600×18	855	4 960910 770799		
77037	J 45 x 60 cm "工事件名/工種/測点"	450×600×18	855	4 960910 770379		
77334	JS 30 x 45 cm "工事件名/工種/測点"	300×450×17	410	4 960910 773349		
77314	K 45 x 60 cm "7項目"	450×600×18	855	4 960910 773141		

Features

- Suitable for construction site photography
- Dark grid lined
50×50 mm per square for 45×60 cm board,
28×28 mm per square for 30×45 cm board
- Eraser + 3 pc-pack of chalk included



- Folding stand and storage for equipment at the back



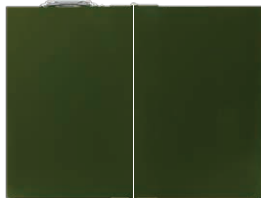
Use

- For on-site record photography
- For on-site safety control (77079)

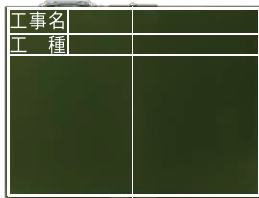
Specifications

Material	Body: Wood
Accessories	Eraser, 3 pc-pack of chalk

Construction Folding Chalk Board Wood

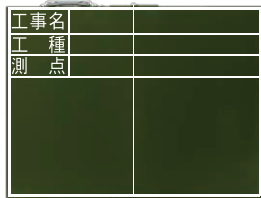


76874

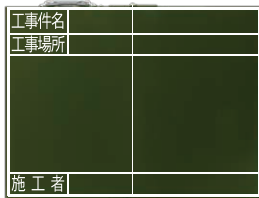


76875

Primarily for Okinawa area



76876



76877

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
76874	OA 45 × 60 cm	467×600×24	1,040	4 960910 768741	5	[B]
76875	OC 45 × 60 cm "工事件名/工種"	467×600×24	1,040	4 960910 768758		
76876	OD 45 × 60 cm "工事件名/工種/測点"	467×600×24	1,040	4 960910 768765		
76877	OG 45 × 60 cm "工事件名/工事場所/施工者"	467×600×24	1,040	4 960910 768772		

Features

- Convenient for storage and preventing scratches
- Handle for better portability



- Suitable for construction site photographs
- Dark grid lined
50×50 mm per square
- Eraser + 3 pc-pack of chalk included



- Folding stand and storage for equipment at the back



Use

- For on-site record photography

Specifications

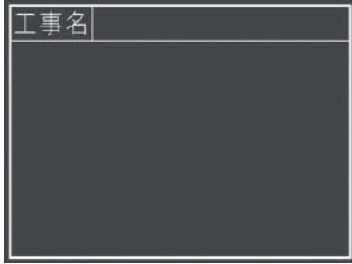
Material	Body: Wood
Accessories	Eraser, 3 pc-pack of chalk

Construction Water-resistant Chalk Board

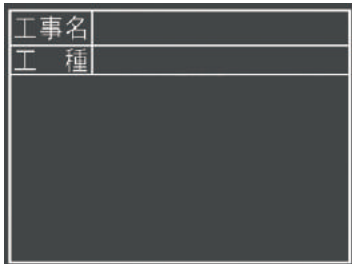


77061

Primarily for Hokuriku, Shikoku areas



77328



77322

Primarily for Okinawa area



77074

Primarily for Okinawa area



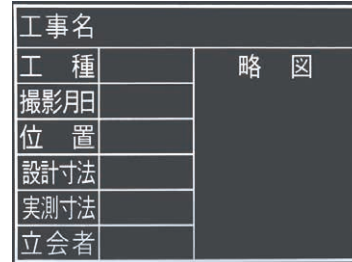
78229

Primarily for Kinki, Chugoku areas

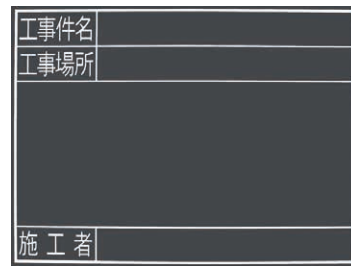


77075

Primarily for Tohoku, Hokkaido areas



78230

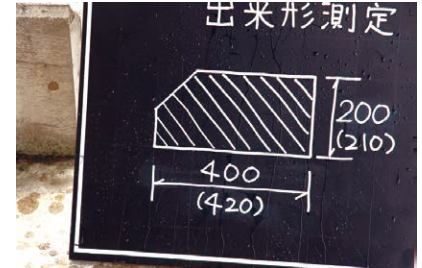


78238

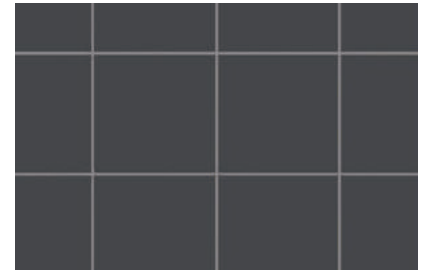
Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
77061	TA 45 x 60 cm	450×600×18	855	4 960910 770614	10	B
77328	TB 45 x 60 cm "工事名"	450×600×18	855	4 960910 773288		
77322	TC 45 x 60 cm "工事名/工種"	450×600×18	855	4 960910 773226		
77074	TD 45 x 60 cm "工事名/工種/測点"	450×600×18	855	4 960910 770744		
78229	TDS 30 x 45 cm "工事名/工種/測点"	300×450×17	430	4 960910 782297		
77075	TD-2 60 x 45 cm "工事名/工種/測点"	600×450×18	855	4 960910 770751		
78230	TF 45 x 60 cm "8項目"	450×600×18	855	4 960910 782303		
78238	TG 45 x 60 cm "工事件名/工事場所/施工者"	450×600×18	855	4 960910 782389		

Features

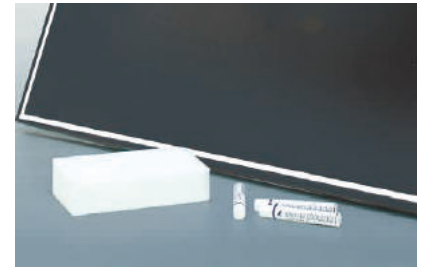
- Construction record photos can be taken even in rain, thanks to use of water-resistant chalk that prevents letters from easily washing off



- Dark grid lined
50×50 mm per square for 60×45 cm and 45×60 cm board, 28×28 mm per square for 30×45 cm board



- Special eraser, 3 x water-resistant chalks included



- Folding stand and storage for equipment at the back



Use

- For on-site record photography

Specifications

Material	Body: Wood
Accessories	Eraser, 3 pc-pack of water-resistant chalk

Construction Chalk Board Steel



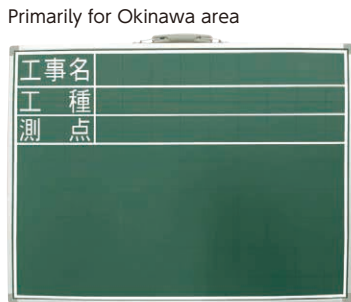
77510



77533



77511



77513

Primarily for Okinawa area



77539

Primarily for Kinki, Chugoku areas



77514

Primarily for Kinki, Chugoku areas



77540

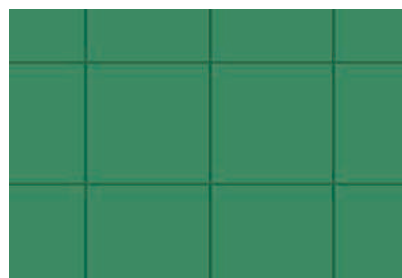


77523

Features

- Durable steel surface
- Aluminum frame increases durability
- Dark grid lined

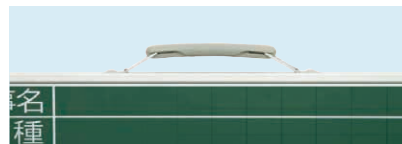
50×50 mm per square for 60×45 cm and 45×60 cm board,
28×28 mm per square for 30×45 cm and 45×30 cm board



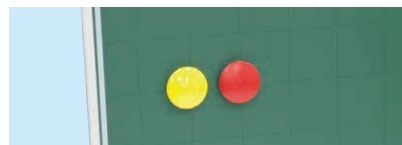
- Eraser + 3 pc-pack of chalk included



- Easy carrying handle



- Magnet compatible (Front only)



- Folding stand and storage for equipment at the back



Use

- For on-site record photography

Specifications

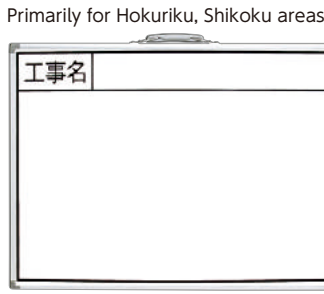
Material	Front: Iron Back: Aluminum Frame: Aluminum Stand: Iron Handle, Corner: ABS resin
Accessories	Eraser, 3 pc-pack of chalk

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
77510	SA 45 x 60 cm	470×600×15	1,850	4 960910 775107	1 (5)	B
77533	SAS 30 x 45 cm	320×450×15	1,100	4 960910 775336		
77511	SC 45 x 60 cm "工事名/工種"	470×600×15	1,850	4 960910 775114		
77513	SD 45 x 60 cm "工事名/工種/測点"	470×600×15	1,850	4 960910 775138		
77539	SDS 30 x 45 cm "工事名/工種/測点"	320×450×15	1,100	4 960910 775398		
77514	SD-2 60 x 45 cm "工事名/工種/測点"	620×450×15	1,850	4 960910 775145		
77540	SDS-2 45 x 30 cm "工事名/工種/測点"	470×300×15	1,100	4 960910 775404		
77523	SG 45 x 60 cm "工事件名/工事場所/施工者"	470×600×15	1,850	4 960910 775237		

Construction White Board

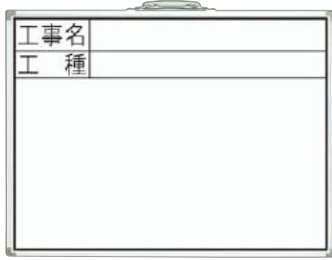


77357

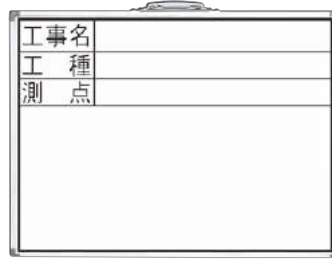


77358

Primarily for Hokuriku, Shikoku areas



77331



77332

Primarily for Okinawa area



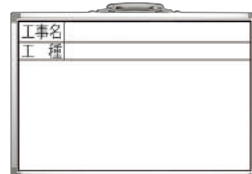
77385

Primarily for Tohoku, Hokkaido areas



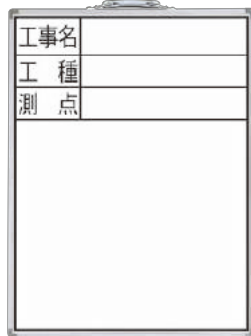
77365

Primarily for Kinki, Chugoku areas



77366

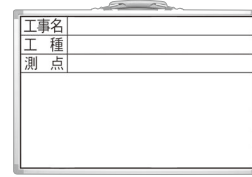
Primarily for Kinki, Chugoku areas



77333



77368



77367

Primarily for Okinawa area

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
77357	AW 45 x 60 cm	470x600x15	1,790	4 960910 773578	1	B
77365	ASW 30 x 45 cm	320x450x15	940	4 960910 773653	1	B
77358	BW 45 x 60 cm "工事名"	470x600x15	1,790	4 960910 773585	1	B
77331	CW 45 x 60 cm "工事名/工種"	470x600x15	1,790	4 960910 773318	1	B
77366	CSW 30 x 45 cm "工事名/工種"	320x450x15	940	4 960910 773660	1	B
77332	DW 45 x 60 cm "工事名/工種/測点"	470x600x15	1,790	4 960910 773325	1	B
77333	DW-2 60 x 45 cm "工事名/工種/測点"	620x450x15	1,790	4 960910 773332	1	B
77367	DSW 30 x 45 cm "工事名/工種/測点"	320x450x15	940	4 960910 773677	1	B
77368	DSW-2 45 x 30 cm "工事名/工種/測点"	470x300x15	940	4 960910 773684	1	B
77385	FW 45 x 60 cm "8項目"	470x600x15	1,790	4 960910 773851	1	B

Features

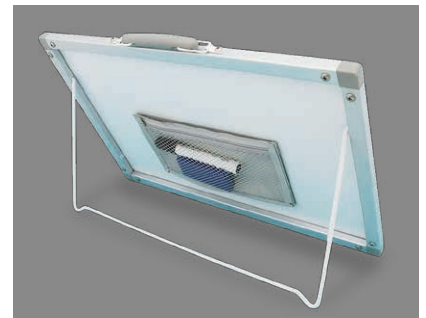
- One whiteboard marking pen (black, fine point) and eraser included



- Easy to carry



- Folding stand and storage for equipment at the back



- Magnet compatible (Front only)



Use

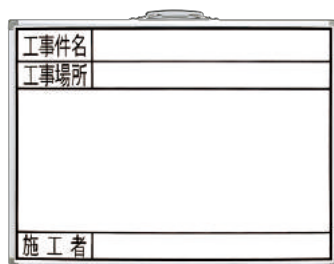
- For on-site record photography



Specifications

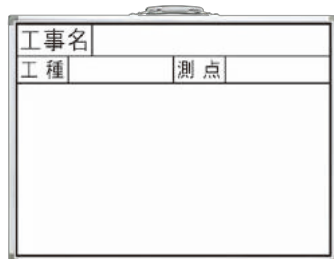
Material	Front: Iron Back: Aluminum Frame: Aluminum Stand: Iron Handle, Corner: ABS resin
Accessories	Eraser, one white board marker (black, fine point)

Construction White Board

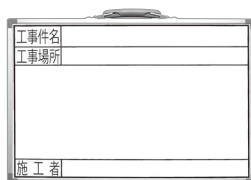


77359

Primarily for Kanto, Kyushu areas



77387



77369



77386

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
77359	GW 45 x 60 cm "工事件名/工事場所/施工者"	470x600x15	1,790	4 960910 773592	1 (5)	
77369	GSW 30 x 45 cm "工事件名/工事場所/施工者"	320x450x15	940	4 960910 773691		
77386	HW 45 x 60 cm "危険予知活動表"	470x600x15	1,790	4 960910 773868		
77387	JW 45 x 60 cm "工事名/工種/測点"	470x600x15	1,790	4 960910 773875		

Features

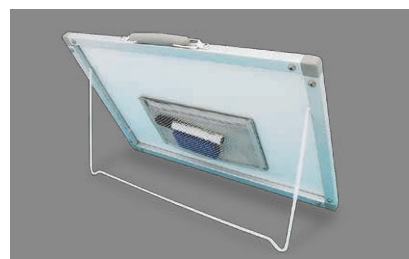
- One whiteboard marking pen (black, fine point) and eraser included



- Easy to carry



- Folding stand and storage for equipment at the back



- Magnet compatible (Front only)

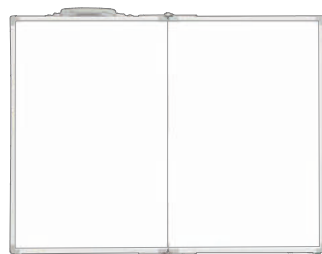
Use

- For on-site record photography
- For on-site safety control (77386)

Specifications

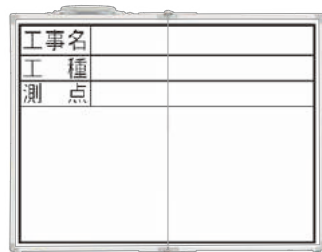
Material	Front: Iron Back: Aluminum Frame: Aluminum Stand: Iron Handle, Corner: ABS resin
Accessories	Eraser, one white board marker (black, fine point)

Folding Construction White Board

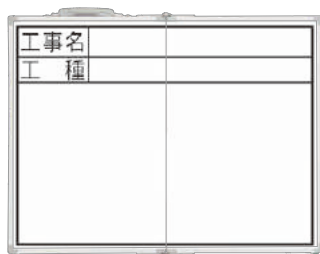


77741

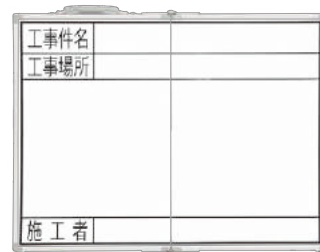
Primarily for Okinawa area



77743



77742

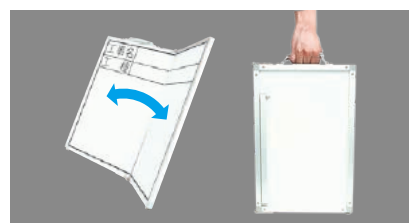


77744

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
77741	OAW 45 x 60 cm	470x600x15	1,660	4 960910 777415	1 (5)	
77742	OCW 45 x 60 cm "工事名/工種"	470x600x15	1,660	4 960910 777422		
77743	ODW 45 x 60 cm "工事名/工種/測点"	470x600x15	1,660	4 960910 777439		
77744	OGW 45 x 60 cm "工事件名/工事場所/施工者"	470x600x15	1,660	4 960910 777446		

Features

- Convenient for storage and preventing scratches
- Handle for better portability
- Durable aluminum frame



- Eraser + one whiteboard marking pen (black, fine point) included
- Folding stand and storage for equipment at the back



- Magnet compatible (Front only)

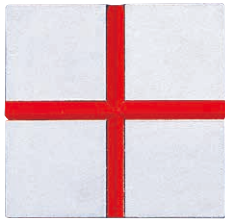
Use

- For on-site record photography

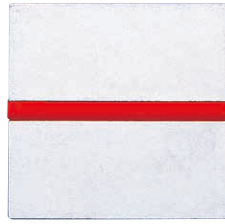
Specifications

Material	Front: Iron Back: Aluminum Frame: Aluminum Stand: Aluminum Handle, Corner: ABS resin
Accessories	Eraser, one white board marker (black, fine point)

KONOE MASTER LINE



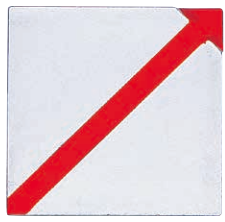
76911
76916



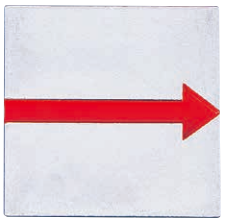
76912
76917



76913
76918



76914
76919



76915
76920



Stick-on type back



Insert type back

Features

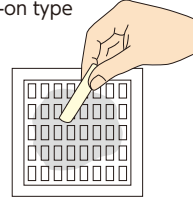
- Made of durable aluminum alloy
- Two types available: stick-on and insert

Use

- For identification in a boundary survey (It can be attached with adhesives or bolts to places where concrete or plastic stakes cannot be used.)

How to place KONOE MASTER LINE

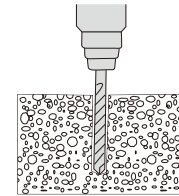
- Stick-on type



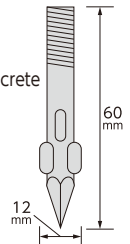
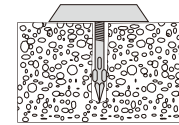
Install by pasting concrete/metal adhesives

- Insert type

- ① Make a hole that matches the position of the master line bolt



- ② Insert after pouring concrete or metal adhesives

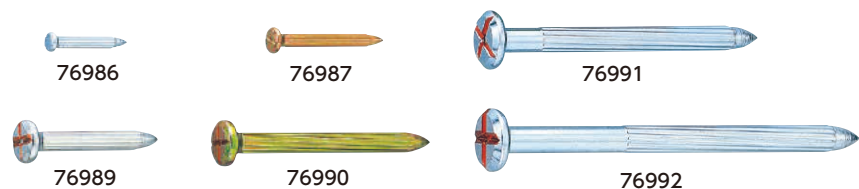


Specifications

Use	Stick-on Type	Insert Type
Material	Body: Aluminum alloy	Body: Aluminum alloy Bolt: Stainless steel

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
76911	M-1 Stick-on Type	50×50×4	25	4 960910 769113	10	B
76912	M-2 Stick-on Type	50×50×4	25	4 960910 769120		
76913	M-3 Stick-on Type	50×50×4	25	4 960910 769137		
76914	M-4 Stick-on Type	50×50×4	25	4 960910 769144		
76915	M-5 Stick-on Type	50×50×4	25	4 960910 769151		
76916	M-6 Insert Type	50×50×10	58	4 960910 769168		
76917	M-7 Insert Type	50×50×10	58	4 960910 769175		
76918	M-8 Insert Type	50×50×10	58	4 960910 769182		
76919	M-9 Insert Type	50×50×10	58	4 960910 769199		
76920	M-10 Insert Type	50×50×10	58	4 960910 769205		

KONOE NAIL



Item Code	Description	Body Size (mm)				Weight (g)	JAN Code	Packing Unit	Packaging
		D	d	H	L				
76986	No.01 100 pc-pack	6	4	2	27	2	4 960910 769861	5	
76987	No.1 50 pc-pack	9	5	3	43	6	4 960910 769878	5	
76989	No.2 20 pc-pack	15	7	4	55	20	4 960910 769892	5	
76990	No.3 20 pc-pack	15	7	5	80	30	4 960910 769908	5	
76991	No.4 10 pc-pack	20	9	5	105	50	4 960910 769915	5	
76992	No.5 10 pc-pack	20	9	5	130	65	4 960910 769922	5	

Features

- Made of special steel with high durability
- Various types available from paved road to gravel road use

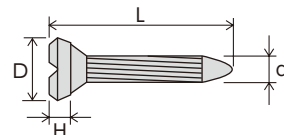
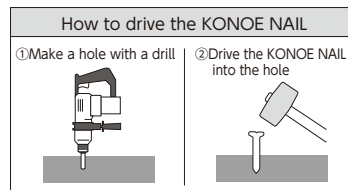
Use

- As a benchmark nail (from paved road to gravel road use)

KONOE NAIL	Use	KONOE DOUBLE
No.01	Wood, plastic	2
No.1	Concrete	
No.2	Asphalt	3
No.3		
No.4	Gravel road	3
No.5		

Specifications

Material	Steel
----------	-------



Standard size of pilot hole for the KONOE NAIL

Concrete	Asphalt
About 1.0 mm smaller than the KONOE NAIL diameter	About 1.5 mm smaller than the KONOE NAIL diameter

KONOE NAIL Mini Pack

Item Code	Description	Body Size (mm)				Weight (g)	JAN Code	Packing Unit	Packaging
		D	d	H	L				
76938	No.01 20 pc-pack	6	4	2	27	2	4 960910 769380	5	
76939	No.1 20 pc-pack	9	5	3	43	6	4 960910 769397	5	
76940	No.2 5 pc-pack	15	7	4	55	20	4 960910 769403	5	
76941	No.3 5 pc-pack	15	7	5	80	30	4 960910 769410	5	
76942	No.4 5 pc-pack	20	9	5	105	50	4 960910 769427	5	
76943	No.5 5 pc-pack	20	9	5	130	65	4 960910 769434	5	

KONOE DOUBLE



Item Code	Description	Body Size (mm)			Weight (g)	JAN Code	Packing Unit	Packaging
		D	d	H				
76993	2 Red 100 pc-pack	27	5	4	2	4 960910 769939	5	
76994	2 Yellow 100 pc-pack	27	5	4	2	4 960910 769946	5	
76995	2 Blue 100 pc-pack	27	5	4	2	4 960910 769953	5	

Features

- ABS resin material is durable and coloring lasts longer

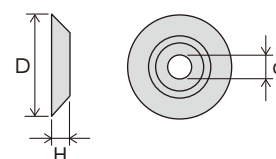
Use

- As a highlighted base of the benchmark nail (with KONOE NAIL)

KONOE DOUBLE	Use	KONOE NAIL
2	Wood, plastic	No.01
	Concrete	No.1
3	Asphalt	No.2
		No.3
	Gravel road	No.4
		No.5

Specifications

Material	ABS resin
----------	-----------



KONOE DOUBLE Mini Pack

Item Code	Description	Body Size (mm)			Weight (g)	JAN Code	Packing Unit	Packaging
		D	d	H				
76946	2 Red 20 pc-pack	27	5	4	2	4 960910 769465	5	
76947	2 Yellow 20 pc-pack	27	5	4	2	4 960910 769472	5	
76948	2 Blue 20 pc-pack	27	5	4	2	4 960910 769489	5	
76949	3 Red 5 pc-pack	47	10	7	6	4 960910 769496	5	
76950	3 Yellow 5 pc-pack	47	10	7	6	4 960910 769502	5	
76951	3 Blue 5 pc-pack	47	10	7	6	4 960910 769519	5	

Marking Tape



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
74161	15 mm × 50 m Pink	φ82×15	77	4 960910 741614	10	B
74162	15 mm × 50 m Yellow	φ82×15	77	4 960910 741621		
74163	15 mm × 50 m Orange	φ82×15	77	4 960910 741638		
74164	15 mm × 50 m Blue	φ82×15	77	4 960910 741645		
73798	30 mm × 50 m Pink	φ82×30	170	4 960910 737983	5	B
73799	30 mm × 50 m Yellow	φ82×30	170	4 960910 737990		
73800	30 mm × 50 m Orange	φ82×30	170	4 960910 738003		
74125	30 mm × 50 m Blue	φ82×30	170	4 960910 741256		
73865	30 mm × 100 m Pink	φ106×30	320	4 960910 738652		

Features

- Highly visible fluorescent color
- Large rolls: 50 m or 100 m length
- Tear easily by hand
- 15 mm: Compact size and easy to carry

Use

- For survey work, construction work, tree planting, tree measurement, etc.



Specifications

Thickness	0.09 mm
Material	Polyvinyl chloride resin

*Not adhesive

Rebar Marker



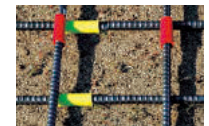
Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
78529	Red 10 pc-pack	φ18×50	6	4 960910 785298	10	SP
78530	Orange 10 pc-pack	φ18×50	6	4 960910 785304		
78531	Yellow 10 pc-pack	φ18×50	6	4 960910 785311		
78532	White 10 pc-pack	φ18×50	6	4 960910 785328		
78533	Green 10 pc-pack	φ18×50	6	4 960910 785335		
78534	Blue 10 pc-pack	φ18×50	6	4 960910 785342		
78552	Pink 10 pc-pack	φ18×50	6	4 960910 785526		

Features

- Easy to install with soft material



- Highly visible marker



- Silicone rubber, heat-resistant, cold-resistant and weatherproof

Use

- For photography of rebar pitch arrangement, checking spaces of horizontal and vertical pitches, and classifying diameters of rebars by colors

Specifications

Range of Use	About 13 - 30 mm diameters
Material	Silicone rubber

Leveling Line



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
78563	Yellow 3 mm 30 m	φ58×180	290	4 960910 785632	4	B
78564	Pink 3 mm 30 m	φ58×180	290	4 960910 785649		

Features

- Highly visible fluorescent color
- Hard to break, 3 mm thickness

Use

- For record photography of basement construction or road construction



Specifications

Thickness	3 mm
Material	Coating: Polyethylene resin Thread Core: Rubber

9. Scales



Scan here to see videos of various products



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

Digital Compact Scale



70163



100 g counterweight for calibration included



Case included



Features

- Portable pocket size
- Tare function that displays weight after subtracting container weight
- Simple and highly visible white LCD display - visible even in the dark
- Auto power off function
- Back light



Use

- For weighing small parts, calculating number



Specifications

Capacity (Maximum weight)	200 g
Minimum Measurement	0.2 g
Scale Interval	0.1 g
Linearity	±0.2 g
Use Environment	10 - 30°C (lower than 85% of humidity)
Automatic Power Off	Power automatically turns off 1 minute after turning on
Power Source	2x AAA Alkaline batteries (Batteries included are for trial use only and may not last as long)
Digital Display	LCD Display, Character Height: 13 mm
Material	Platform: Stainless steel Cover: ABS resin

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
70163	Mini 200 g	115×64×18	110	4 960910 701632	3	

Carpenter's Squares
Stainless Steel Rules / Machine Scale
Aluminum Rules
Resin Rules / Bamboo Rules
Squares / Protractors
Vernier Calipers / Micrometers
Tape Measures
Surveying Products
Scales
Levels
Lasers / Optical Equipment
Inklines / Chalklines / Plumblines
Circular Saw Guides
Construction Tools
Industrial Tools
Thermometers / Hygrometers / Scales / Weighing Instruments
Outdoor Products
Magnifying Glasses
Drawing Tools
Magnets

Digital Scale for Commercial Use

70194



- Inspection certificate plate: serial number, assembly year, calibration month & year (Valid only in Japan)

Plastic tray included



- 30 mm character height large LCD



70119

Sold separately



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
70191	3 kg	281×259×148	2,050	4 960910 701915	1 (2)	B
70192	6 kg	281×259×148	2,050	4 960910 701922		
70193	15 kg	281×259×148	2,060	4 960910 701939		
70194	30 kg	281×259×148	2,065	4 960910 701946		
70119	AC adapter	84×58×69	463	4 960910 701199	1	

Features

- Dustproof and waterproof IP56
Protected from limited dust ingress
Protected from high pressure water jets from any direction
- Back-lit screen
- Stainless steel plate accessory allows sanitary use. Detachable and washable.
- Auto power off function
- Tare function that displays weight after subtracting container weight

Use

- For weighing various things from crops to fishery products, etc.

Specifications

Item Code	70191	70192	70193	70194
Precision Grade	Grade 4			
Capacity	3 kg	6 kg	15 kg	30 kg
Minimum *1 Measurement	50 g	100 g	200 g	500 g
Tolerance*2	0-250 g: ±5 g 250 g-1 kg: ±10 g 1 kg-3 kg: ±15 g	0-500 g: ±10 g 500 g-2 kg: ±20 g 2 kg-6 kg: ±30 g	0-1 kg: ±20 g 1 kg-4 kg: ±40 g 4 kg-15 kg: ±60 g	0-25 kg: ±50 g 25 kg-10 kg: ±100 g 10 kg-30 kg: ±150 g
Resolution	1/600	1/750	1/750	1/600
Scale Interval	5 g	10 g	20 g	50 g
Linearity	±5 g	±10 g	±20 g	±50 g
Reproducibility	±5 g	±10 g	±20 g	±50 g
Use Environment	Temperature: -5 - 40°C Humidity: lower than 85%			
Auto Power Off	0-9 minutes (adjustable in 1-minute increments)			
Digital Display	LCD Display, Character Height: 30 mm			
Dustproof/Waterproof	IP56 (when the battery is used)			
Plate Size	200 × 240 mm			
Power Source	6x Alkaline batteries (not included) AC adapter (sold separately #70119)			
Rated Voltage	DC9V			
Material	Body: ABS resin			
Accessory	Stainless steel plate			

*1 This is the minimum measurement that can be used for transactions/certification. Measured values less than the minimum measurement quantity cannot be used for
 *2 Tolerance required by the Japanese Measurement Act. cl.212 (JIS B7611-2:2015), Ordinance of METI (METI: Ministry of Economy, Trade Industry) for commercial use in Japan.

Digital Scale

70106



Plastic tray included



- Large LCD screen with 30 mm-character height for easy reading



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
70104	3 kg	281×259×148	1,910	4 960910 701045	1 (2)	B
70105	6 kg	281×259×148	1,918	4 960910 701052		
70106	15 kg	281×259×148	1,924	4 960910 701069		
70107	30 kg	281×259×148	1,928	4 960910 701076		

Features

- Dustproof and waterproof IP56
Protected from limited dust ingress
Protected from high pressure water jets from any direction
- Back-lit screen
- Stainless steel plate accessory allows sanitary use. Detachable and washable.
- Auto power off function
- Tare function that displays weight after subtracting container weight

Use

- For weighing various things from crops to fishery products, etc.

Specifications

Item Code	70104	70105	70106	70107
Capacity	3 kg	6 kg	15 kg	30 kg
Minimum Measurement	20 g	40 g	100 g	200 g
Resolution	1/3000			
Scale Interval	1 g	2 g	5 g	10 g
Linearity	±1 g	±2 g	±5 g	±10 g
Reproducibility	±1 g	±2 g	±5 g	±10 g
Use Environment	Temperature: -5 - 40°C Humidity: lower than 85%			
Auto Power Off	0-9 minutes (adjustable in 1-minute increments)			
Digital Display	LCD Display, Character Height: 30 mm			
Dustproof/Waterproof	IP56 (when the battery is used)			
Plate Size	200 × 240 mm			
Power Source	6x Alkaline batteries (not included) AC adapter (sold separately #70119)			
Rated Voltage	DC9V			
Material	Body: ABS resin			
Accessory	Stainless steel plate			

Digital Scale Remote-reading



70108



●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
70108	100 kg	276×291×33 Operating part 108×120×55	3,380	4 960910 701083	4	B

Features

- Remote-reading display enables weight to easily be seen even if a large object is placed on the platform (display cannot be handheld while weighing)
- Cord of the display is 650 mm in length
- Rust-resistant stainless steel platform
- Low height platform (33 mm) is convenient when weighing heavy goods
- Easy-to-read 15 mm character height LCD display
- Auto power off function
- Percentage mode for comparative measurement (for the object to be measured over 5 kg)
- Convenient tare function
- AC adapter included (1x 9V battery also included)



Use

- For weighing crops, etc.

Specifications

Capacity	100 kg
Range of Use	0.5 - 100 kg
Minimum Measurement	0.5 kg
Scale Interval	0.05 kg
Accuracy	±0.5 kg
Use Environment	5 - 35°C (without condensation)
Digital Display	LCD Display, Character Height: 15 mm
Auto Power Off*	Power automatically turns off 4 minutes after turning on
Power Source	1x 9V battery (Battery included is for trial use only and may not last as long) AC adapter
Material	Body: Glass Platform: Stainless steel Operating Part: ABS resin

*Auto power off function can be switch off

Scale



70008

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
70026	50 kg	350×289×146	5,000	4 960910 700260	1	B
70008	100 kg	350×289×146	5,000	4 960910 700086	1	B

Features

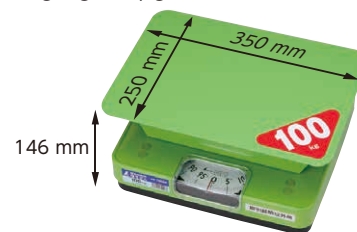
- Easy-to-read graduation plate



50 kg

100 kg

- Low height platform is convenient when weighing heavy goods



Use

- For weighing crops, etc.

Specifications

Item Code	70026	70008
Capacity	50 kg	100 kg
Scale Interval	200 g	500 g
Size of Platform	350 × 250 mm	
Material	Platform, Body: Steel Graduation Display Cover: AS resin Graduation Plate: Aluminum	

Scale for Commercial Use



70123



70124



70079



70084



70090



70093



70102

●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
70123	200 g	240×190×210	1,800	4 960910 701236	1	B
70124	400 g	240×190×210	1,800	4 960910 701243	(8)	
70079	1 kg	240×190×210	1,800	4 960910 700796		
70081	2 kg	270×220×270	3,400	4 960910 700819	1	B
70084	4 kg	270×220×270	3,400	4 960910 700840	(4)	
70087	8 kg	270×220×270	3,400	4 960910 700871		
70090	12 kg	270×220×270	3,400	4 960910 700901		
70093	20 kg	270×245×270	4,000	4 960910 700932		
70102	30 kg	280×260×275	4,500	4 960910 701021		

Features

- Easy-to-read scale with clear graduations
- Durable with robust design

Use

- For weighing various things from crops to fishery products, etc.

Specifications

Type	Spring dial scale with standard matching verification		
Precision Grade	Grade 4 (Valid only in Japan)		
	70123	70124	70079
Capacity	200 g	400 g	1 kg
Range of Use*1	20 g - 200 g	40 g - 400 g	100 g - 1 kg
Scale Interval	1 g	2 g	5 g
Number of Scales	200		
Tolerance*2	①0 - 50 g: ±1 g ②50 g - 200 g: ±2 g	①0 - 100 g: ±2 g ②100 g - 400 g: ±4 g	①0 - 250 g: ±5 g ②250 g - 1 kg: ±10 g
Dial Face	φ164 mm		
Platform Size	190 × 185 mm		
Platform Thickness	0.5 mm		
Material	Body: Steel plate Platform: Stainless steel Pointer: Aluminum Knob, Front Cover: Polyethylene resin		

	70081	70084	70087
Capacity	2 kg	4 kg	8 kg
Range of Use*1	100 g - 2 kg	200 g - 4 kg	400 g - 8 kg
Scale Interval	5 g	10 g	20 g
Number of Scales	400		
Tolerance*2	①0 - 250 g: ±5 g ②250 g - 1 kg: ±10 g ③1 kg - 2 kg: ±15 g	①0 - 500 g: ±10 g ②500 g - 2 kg: ±20 g ③2 kg - 4 kg: ±30 g	①0 - 1 kg: ±20 g ②1 kg - 4 kg: ±40 g ③4 kg - 8 kg: ±60 g
Dial Face	φ196 mm		
Platform Size	220 × 210 mm		
Platform Thickness	0.5 mm		
Material	Body: Steel plate Platform: Stainless steel Pointer: Aluminum Knob, Front Cover: Polyethylene resin		

	70090	70093	70102
Capacity	12 kg	20 kg	30 kg
Range of Use*1	1 kg - 12 kg	2 kg - 20 kg	2 kg - 30 kg
Scale Interval	50 g	100 g	
Number of Scales	240	200	300
Tolerance*2	①0 - 2.5 kg: ±50 g ②2.5 kg - 10 kg: ±100 g ③10 kg - 12 kg: ±150 g	①0 - 5 kg: ±100 g ②5 kg - 20 kg: ±200 g	①0 - 5 kg: ±100 g ②5 kg - 20 kg: ±200 g ③20 kg - 30 kg: ±300 g
Dial Face	φ196 mm		
Platform Size	220 × 210 mm	245 × 230 mm	260 × 245 mm
Platform Thickness	0.5 mm	1.5 mm	
Material	Body: Steel plate Platform: Stainless steel Pointer: Aluminum Knob, Front Cover: Polyethylene resin		

*1 Range of use means the weight range suitable for commercial use. (Valid only in Japan)

*2 Tolerance required by the Japanese Measurement Act. c.l.212 (JIS B7611-2:2015), Ordinance of METI (METI: Ministry of Economy, Trade Industry) for commercial use in Japan.

Spring Scale with Flat Scale Face



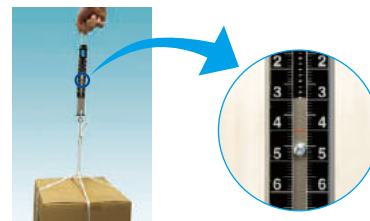
Item Code	Description	Minimum Scale Value (g)	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
74451	500 g	5	290×30×25	126	4 960910 744516	5	
74452	1 kg	10	290×30×25	126	4 960910 744523		
74453	2 kg	20	290×30×25	126	4 960910 744530		
74459	5 kg	50	290×30×25	131	4 960910 744592		
74493	8 kg	100	290×30×25	133	4 960910 744936		
74460	10 kg	100	290×30×25	136	4 960910 744608	3	
74499	15 kg	200	290×30×25	142	4 960910 744998		
74461	20 kg	200	410×45×35	593	4 960910 744615		
74487	30 kg	500	410×45×35	618	4 960910 744875		
74488	50 kg	500	410×45×35	618	4 960910 744882		

Features

- Flat graduation plate makes it easy to read
- Zero point adjustment knob

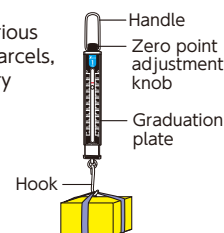


- Flat surface allows accurate readings



Use

- For weighing various things such as parcels, crops, and fishery products



Specifications

Type	Spring Scale				
	74451	74452	74453	74459	74493
Capacity	500 g	1 kg	2 kg	5 kg	8 kg
Scale interval	5 g	10 g	20 g	50 g	100 g
Number of Scales	96		95	96	80
Accuracy	(less than half of capacity)	±5 g	±10 g	±20 g	±50 g
	(more than half of capacity)	±10 g	±20 g	±40 g	±100 g
Material	Body, Platform: Aluminum Handle, Hook: Iron Zero point adjustment knob, Platform Side: ABS resin				
	74460	74499	74461	74487	74488
Capacity	10 kg	15 kg	20 kg	30 kg	50 kg
Scale interval	100 g	200 g		500 g	
Number of Scales	96	75	98	60	96
Accuracy	(less than half of capacity)	±100 g		±500 g	
	(more than half of capacity)	±200 g		±1,000 g	
Material	Body, Platform: Aluminum Handle, Hook: Iron Zero point adjustment knob, Platform Side: ABS resin		Body, Platform: Aluminum Handle, Hook: Iron Zero point adjustment knob, Platform Side: Zinc die casting		

Digital Spring Scale



70109

- Back light display (Front only)



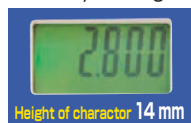
Back light on while an object is hanging on the hook (Setting changeable)

- Hold function



Stores the value on the display even after removing the object

- Big size display panel for easy reading



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
70109	20 kg	240×65×29	225	4 960910 701090	2	

Features

- Convenient tare function
- LCD display on the back as well
- Auto power off function



Use

- For weighing various things

Specifications

Capacity	20 kg	
Scale Interval	10 g (0 - 10 kg)	20 g (10 - 20 kg)
Linearity	±10 g	
Reproducibility	±10 g	
Span Drift	±0.003%/°C	
Range of Use	0.2 - 20 kg	
Use Environment	0 - 40°C (below 85% humidity)	
Auto Power Off	0 - 19 minutes (adjustable in 1 minute increments)	
Digital Display	Character Height: 14 mm on both sides of display	
Power Source	2x Lithium batteries CR2032 (Batteries included are for trial use only and may not last as long.)	
Material	Body: ABS resin	

10. Levels



Scan here to see videos of various products



- Carpenter's Squares
- Stainless Steel Rules/ Machine Scale
- Aluminum Rules
- Resin Rules/ Bamboo Rules
- Squares/ Protractors
- Vernier Calipers/ Micrometers
- Tape Measures
- Surveying Products
- Scales
- Levels
- Lasers/ Optical Equipment
- Inclines/ Chalklines/ Plumblines
- Circular Saw Guides
- Construction Tools
- Industrial Tools
- Thermometers/ Hygrometers/ Environmental Measuring Instruments
- Outdoor Products
- Magnifying Glasses
- Drawing Tools
- Magnets

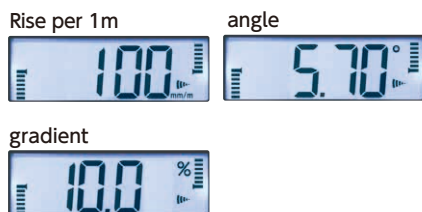
Blue Levels Features

Pro 2 Pro 2 with Magnet	Pro 2 Digital Pro 2 Digital with Magnet	Jr. 2 Jr. 2 with Magnet	Jr. 2 Digital Jr. 2 Digital with Magnet	Basic Basic with Magnet
300 mm 380 mm 450 mm 600 mm 900 mm 1200 mm 1500 mm 1800 mm	350 mm 450 mm 600 mm	100 mm 150 mm 200 mm 300 mm 450 mm 600 mm	180 mm 220 mm	300 mm 380 mm 450 mm 600 mm 900 mm 1200 mm 1500 mm 1800 mm
▶p.97	▶p.98	▶p.100	▶p.101	▶p.99
	Digital Type Dustproof, Waterproof		Digital Type Dustproof, Waterproof Lithium Ion Battery	
Bubble Vial Gradient Measurement		Compact and Lightweight		
High Precision				
With Protective Cover				

Features

Digital Type

- Digital display switching function
Can measure rise, angle and gradient



- Calibration function
Simple calibration function provided to correct errors easily



- Comparative measurement function (zero set)
Possible to set zero at any angle



Dustproof/Waterproof

IP65 dustproof/waterproof performance (digital measuring unit only)



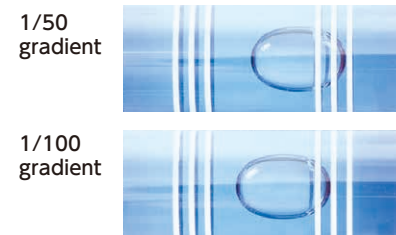
Lithium Ion Battery

The built-in rechargeable lithium-ion battery eliminates the need for battery replacement.



Bubble Vial Gradient Measurement

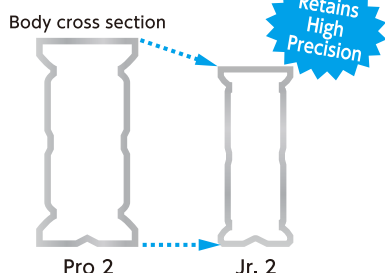
There are three reference lines on each side for horizontal, 1/50 and 1/100 gradient measurement.



※気泡の大きさは温度により変化します。

Compact and Lightweight

30% weight reduction compared to Blue Level Pro 2. Body cross section



High Precision

High precision of ± 1.0 mm/m for all vials



With Protective Cover

With a cover to protect the horizontal vial. Cover can be removed and washed when dirty *Body is not waterproof



Carpenter's Squares
Stainless Steel Rules/ Machine Scale
Aluminum Rules
Resin Rules/ Bamboo Rules
Squares/ Protractors
Vernier Calipers/ Micrometers
Tape Measures
Surveying Products
Scales
Levels
Lasers/ Optical Equipment
Inclines/ Chalklines/ Plumblines
Circular Saw Guides
Construction Tools
Industrial Tools
Thermometers/ Hygrometers/ Scientific Measuring Instruments
Outdoor Products
Magnifying Glasses
Drawing Tools
Magnets



Shinwa's levels are made with accuracy within the specifications. Please use equipment with higher accuracy for work that requires greater specifications. Sensitivity means the gradient at which the air bubble starts moving. Accuracy means the tolerance of range that the air bubble indicates.

Blue Level Pro 2



73330



73332



73333

●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
73330	300 mm	300×56×26	245	4 960910 733305	6	S
73331	380 mm	380×56×26	290	4 960910 733312		
73332	450 mm	450×56×26	330	4 960910 733329		
73333	600 mm	600×56×26	400	4 960910 733336		
73334	900 mm	900×56×26	570	4 960910 733343		
73335	1200 mm	1,200×56×26	735	4 960910 733350		
73336	1500 mm	1,500×56×26	905	4 960910 733367	1	
73337	1800 mm	1,800×56×26	1,075	4 960910 733374		

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

Blue Level Pro 2 with Magnet



73380



73382



73383

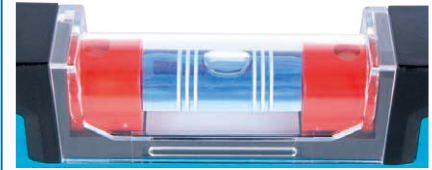
●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
73380	300 mm	300×56×26	295	4 960910 733800	6	S
73381	380 mm	380×56×26	340	4 960910 733817		
73382	450 mm	450×56×26	380	4 960910 733824		
73383	600 mm	600×56×26	475	4 960910 733831		
73384	900 mm	900×56×26	670	4 960910 733848		
73385	1200 mm	1,200×56×26	860	4 960910 733855		
73386	1500 mm	1,500×56×26	1,030	4 960910 733862	1	
73387	1800 mm	1,800×56×26	1,200	4 960910 733879		

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

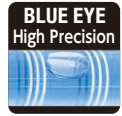
Features

- With a cover to protect the horizontal vial. Cover can be removed and washed when dirty
*Body is not waterproof



- Horizontal vial can be adjusted as required
*If you remove the sealing sticker next to the horizontal vial and adjust the accuracy yourself, the accuracy we specified cannot be guaranteed. The vertical vial and 45° vial cannot be adjusted.

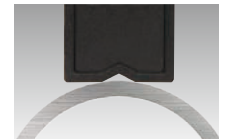
- Vial with luminous sheet for better readability
- High-visibility vial with clear blue liquid and thick white line. Horizontal vial has three base lines on both sides to measure horizontal, 1/50 and 1/100 gradients.



- High precision of ±1.0 mm/m for all vials
- Large vial for easy readings
- Vertical and 45° vials



- Large side caps protect the level and material object
- V-shape groove on the measurement side for measuring pipes



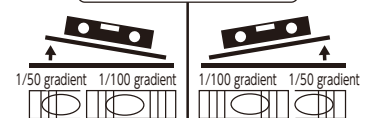
- Box shape makes marking easy

Magnetic model

- Handy for steel frame work thanks to powerful magnet with yoke



Gradient Measurement



*The size of air bubble varies depending on temperature.

Use

- For verification of horizontal, vertical and 45° gradients in building, engineering, plumbing, electric, etc.

Specifications

Sensitivity, Precision	 Sensitivity 0.35 mm/m = 0.0201° Precision ±1.0 mm/m = less than ±0.0573°
Material	Body: Aluminum, ABS resin, Polycarbonate resin Vial: Acrylic resin Liquid: Petroleum liquid

Blue Level Pro 2 Digital



75313



75314



75315

●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
75313	350 mm Dust/Waterproof	350×56×26	310	4 960910 753136	1	
75314	450 mm Dust/Waterproof	450×56×26	400	4 960910 753143	1	
75315	600 mm Dust/Waterproof	600×56×26	485	4 960910 753150	1	

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

Blue Level Pro 2 Digital with Magnet



75316



75317



75318

●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
75316	350 mm with Magnet Dust/Waterproof	350×56×26	360	4 960910 753167	1	
75317	450 mm with Magnet Dust/Waterproof	450×56×26	450	4 960910 753174	1	
75318	600 mm with Magnet Dust/Waterproof	600×56×26	560	4 960910 753181	1	

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

Blue Level PRO

76391



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
76391	380 mm	380×65×27	340	4 960910 763913	6	
76393	450 mm	450×65×27	395	4 960910 763937	6	
76394	600 mm	600×65×27	500	4 960910 763944	6	
76396	1200 mm	1,200×65×27	885	4 960910 763968	6	
76398	1500 mm	1,500×65×27	1,075	4 960910 763982	6	
76411	1500 mm with Magnet	1,500×65×27	1,090	4 960910 764118	1	
76400	1800 mm	1,800×65×27	1,285	4 960910 764002	1	
76412	1800 mm with Magnet	1,800×65×27	1,300	4 960910 764125	1	

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

Features

- IP65 dustproof/waterproof performance (digital measuring unit only)
- Features a 3-stage buzzer function that changes sound depending on the slope when near 0° or 90°, so horizontal and vertical fine adjustments can be made easily
- If the level body is used in reverse, the display automatically shows in reverse as well
- Large buttons that are easy to operate
- With a cover to protect the horizontal vial. Cover can be removed and washed when dirty. *Body is not waterproof
- Horizontal vial can be adjusted as required *If you remove the sealing sticker next to the horizontal vial and adjust the accuracy yourself, the accuracy we specified cannot be guaranteed. The vertical vial and 45° vial cannot be adjusted.
- Vial with luminous sheet for better readability
- 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.
- Digital unit can measure rise, angle and gradient
- Digital measurement unit functions include calibration, hold, relative measurement (zero set), backlight, auto power off, and battery consumption warning
- Auto power off function can be switched on or off
- Pipe measurement is also possible using measurement reference side with V-shaped groove
- Magnetic model
 - Handy for steel frame work thanks to powerful magnet with yoke



Use

- For checking angle or slope in building, engineering, plumbing, and electric, etc.

Specifications

Vial Sensitivity, Precision	Sensitivity 0.35 mm/m = 0.0201° Precision ±1.0 mm/m = less than ±0.0573°
Digital Display Precision	0°, 90°: ±0.1° Other Degrees: ±0.2°
Minimum Unit for Digital Display	Angle: 0.05° Gradient: 0.1% Rise: 1 mm/m
Dust/water proof	IP65* (digital measuring unit only)
Auto Power Off	Power automatically turns off about 10 minutes after operation
Power Source	2× AAA Alkaline batteries (Batteries included are for trial use only and may not last as long)
Use Temperature	-10 - 50°C
Material	Body, Digital Module: Aluminum, ABS resin, polycarbonate resin Vial: Acrylic resin Liquid: Petroleum liquid

*Dustproof performance: Dust will not penetrate. Waterproof performance: It will not be harmfully affected by water sprayed from any direction.

Features

- High-visibility vial with clear blue liquid and thick white line
- Vial with luminous sheet for better readability
- High precision of ±1.0 mm/m for all vials
- Mix of H and box shaped cross section and strong structure gives high accuracy and high durability
- Large vial for easy readings
- Vertical and 45° vials
- Large side caps protect the level and material object
- V-shape groove on the measurement side for measuring pipes
- Measures 1/50 and 1/100 gradients
- Magnetic model is handy for steel frame work
- Comes with grip holes for models over 600 mm

Use

- For verification of horizontal, vertical and 45° gradients in building, engineering, plumbing, electric, etc.

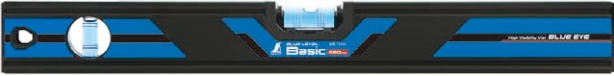
Specifications

Sensitivity, Precision	Sensitivity 0.35 mm/m = 0.0201° Precision ±1.0 mm/m = less than ±0.0573°
Material	Body: Aluminum, ABS resin Vial: Acrylic resin Liquid: Petroleum liquid

Blue Level Basic



73450



73452



73453

*Gradient cannot be measured with vial graduations
●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
73450	300 mm	300×52×20	165	4 960910 734500	6	S
73451	380 mm	380×52×20	210	4 960910 734517		
73452	450 mm	450×52×20	245	4 960910 734524		
73453	600 mm	600×52×20	310	4 960910 734531		
73454	900 mm	900×52×20	445	4 960910 734548		
73455	1200 mm	1,200×52×20	600	4 960910 734555		
73456	1500 mm	1,500×52×20	730	4 960910 734562	1	
73457	1800 mm	1,800×52×20	870	4 960910 734579		

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

Blue Level Basic with Magnet



73490



73492



73493

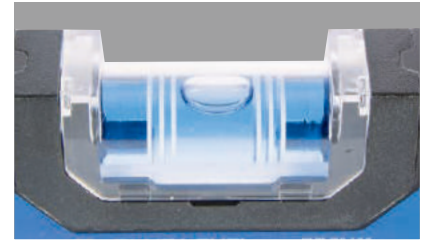
*Gradient cannot be measured with vial graduations
●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
73490	300 mm	300×52×20	220	4 960910 734906	6	S
73491	380 mm	380×52×20	265	4 960910 734913		
73492	450 mm	450×52×20	300	4 960910 734920		
73493	600 mm	600×52×20	390	4 960910 734937		
73494	900 mm	900×52×20	530	4 960910 734944		
73495	1200 mm	1,200×52×20	670	4 960910 734951		
73496	1500 mm	1,500×52×20	815	4 960910 734968	1	
73497	1800 mm	1,800×52×20	955	4 960910 734975		

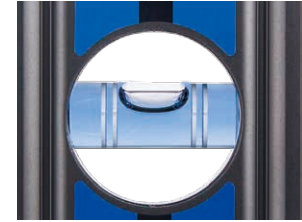
*Not available in certain areas. Please contact us for details.

Features

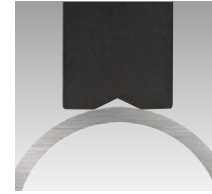
- With a cover to protect the horizontal vial



- High-visibility vial with clear blue liquid and thick white line
- Large vial for easy readings
- 90° vial



- V-shape groove on the measurement side for measuring pipes
- Box shape makes marking easy



- Magnetic model
- Handy for steel frame work thanks to powerful magnet with yoke



Use

- For verification of horizontal, vertical in building, engineering, plumbing, and electric, etc.

Specifications

Sensitivity, Precision	 Sensitivity 0.5 mm/m = 0.0286° Precision ±2.5 mm/m = less than ±0.1432°
Material	Body: Aluminum, ABS resin, Polycarbonate resin Vial: Acrylic resin Liquid: Petroleum liquid

Blue Level Jr. 2



73360



73361



73362



73363



73364



73365

*Gradient cannot be measured with vial graduations

●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
73360	100 mm	100×50×20	60	4 960910 733602	6	
73361	150 mm	150×50×20	90	4 960910 733619		
73362	200 mm	200×50×20	115	4 960910 733626		
73363	300 mm	300×50×20	165	4 960910 733633		
73364	450 mm	450×50×20	230	4 960910 733640		
73365	600 mm	600×50×20	290	4 960910 733657		

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

Blue Level Jr. 2 with Magnet



73390



73391



73392



73393



73394



73395

*Gradient cannot be measured with vial graduations

●Parts are listed from p.243

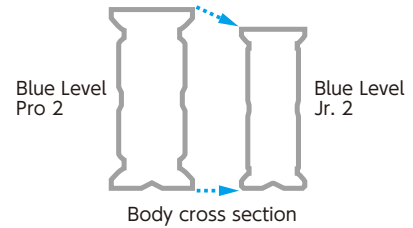
Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
73390	100 mm	100×50×20	70	4 960910 733909	6	
73391	150 mm	150×50×20	110	4 960910 733916		
73392	200 mm	200×50×20	135	4 960910 733923		
73393	300 mm	300×50×20	185	4 960910 733930		
73394	450 mm	450×50×20	250	4 960910 733947		
73395	600 mm	600×50×20	320	4 960910 733954		

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

New catalog items English package With red numbers Japanese zodiac signs cm/shaku (Upper side (or Front) metric / Lower side (or Back) shaku) shaku/cm (Upper side (or Front) shaku / Lower side (or Back) metric) With magnet Optional JCSS certificate With non-slip pad With battery Lithium-ion battery Vial with luminous sheet With groove for slider With stopper With direction arrow Oil

Features

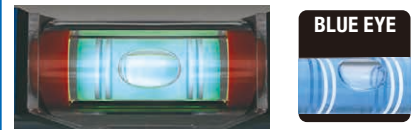
- Compact and lightweight type. 30% weight reduction compared to Blue Level Pro 2.



- With a cover to protect the horizontal vial. Cover can be removed and washed when dirty. *Body is not waterproof



- Vial with luminous sheet for better readability



- High-visibility vial with clear blue liquid and thick white line
- High precision of ±1.0 mm/m for all vials
- Large vial for easy readings
- 3 vials for horizontal, vertical, and 45° (from compact 150 mm size)



- Large side caps protect the level and material object
- V-shape groove on the measurement side for measuring pipes
- Box shape makes marking easy



- Magnetic model

- Handy for steel frame work thanks to powerful magnet with yoke



Use

- For verification of horizontal, vertical and 45° (except 73360/73390) gradients in building, engineering, plumbing, electric, etc.

Specifications

Sensitivity, Precision	<p>Sensitivity 0.35 mm/m = 0.0201° Precision ±1.0 mm/m = less than ±0.0573°</p>
Material	<p>Body: Aluminum, ABS resin, Polycarbonate resin Vial: Acrylic resin Liquid: Petroleum liquid</p>

Blue Level Jr. 2 Digital **NEW**







75319



75320

*Gradient cannot be measured with vial graduations
 ●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
75319	180 mm Dust/Waterproof 	180×50×20	155	4 960910 753198	1	
75320	220 mm Dust/Waterproof 	220×50×20	175	4 960910 753204	1	

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

Features

- Compact body but with large display for better readability
- 20 mm thick for stable placement on a switchboard with little depth
- Two large buttons that are easy to operate
- The built-in rechargeable lithium-ion battery eliminates the need for battery replacement.
- IP65 dustproof/waterproof performance (digital measuring unit only)
- With a cover to protect the horizontal vial. Cover can be removed and washed when dirty
- *Body is not waterproof
- Vial with luminous sheet for better readability
- High-visibility vial with clear blue liquid and thick white line
- Features a 3-stage buzzer function that changes sound depending on the slope when near 0° or 90°, so horizontal and vertical fine adjustments can be made easily
- If the level body is used in reverse, the display automatically shows in reverse as well
- Digital unit can measure rise, angle and gradient
- Digital measurement unit functions include calibration, hold, relative measurement (zero set), backlight, auto power off, and battery consumption warning
- Pipe measurement is also possible using measurement reference side with V-shaped groove
- Magnetic model
 - Handy for steel frame work thanks to powerful magnet with yoke



Use

- For checking angle or slope in building, engineering, plumbing, and electric, etc.

Features

Vial Sensitivity, Precision	Sensitivity 0.35 mm/m = 0.0201° Precision ±1.0 mm/m = less than ±0.0573°
Digital Display Precision	0°, 90°: ±0.1° Other Degrees: ±0.2°
Minimum Unit for Digital Display	Angle: 0.05° Gradient: 0.1% Rise: 1 mm/m
Dust/water proof*2	IP65* (digital measuring unit only)
Auto Power Off	Power automatically turns off about 10 minutes after operation
Power Source	Lithium ion battery (incorporation)
Battery capacity	300mAh
Continuous use time*2	About 30 hours
Use Temperature	-10 - 50°C
Material	Body, Digital Module: Aluminum, ABS resin, polycarbonate resin Vial: Acrylic resin Liquid: Petroleum liquid
Accessory	AC adapter

*1 Dustproof performance: Dust will not penetrate. Waterproof performance: It will not be harmfully affected by water sprayed from any direction.
 *2 Based on use in an environment of 15-35°C. May vary depending on the number of times used or charged.

Blue Level Jr. 2 Digital with Magnet **NEW**







75321



75322

*Gradient cannot be measured with vial graduations
 ●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
75321	180 mm Dust/Waterproof 	180×50×20	175	4 960910 753211	1	
75322	220 mm Dust/Waterproof 	220×50×20	195	4 960910 753228	1	

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

Handy Level MEGA-MAG with Magnet



● Fixed hook easily attaches to carabiner



● Safety cord can be attached to movable hook



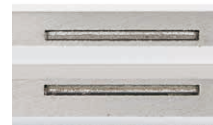
*Gradient cannot be measured with vial graduations.

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
73130	100 mm White	110×50×30	130	4 960910 731301	6	
73131	100 mm Black	110×50×30	130	4 960910 731318	6	
73132	150 mm White	160×50×30	150	4 960910 731325	6	
73133	150 mm Black	160×50×30	150	4 960910 731332	6	

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

Features

● Triple strength neodymium magnet holds well even if knocked (compared with our standard product)



*Results of an in-house test under fixed conditions. Results are not guaranteed under all conditions.

- Stainless hook on both sides
- Vial with luminous sheet for better readability
- High-visibility vial with clear blue liquid and thick white line
- V-shape groove for measuring pipe



Use

● For verification of horizontal, vertical and 45° (except 73130/73131) gradients in building, engineering, plumbing, electric, etc.

Specifications

Sensitivity, Precision	 Sensitivity 0.35 mm/m = 0.0201° Precision ±1.0 mm/m = less than ±0.0573°
Material	Body: Aluminum, ABS resin Hook: Stainless steel Vial: Acrylic resin Liquid: Petroleum liquid

Digital Angle Meter



Neodymium magnet (three sides)
● Strong neodymium magnets on three sides



Includes storage case (76825, 76826)



Neodymium magnet (base)
● Strong neodymium magnets on base

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
76447	Mini with Magnet	56×56×30	189	4 960910 764477	1	
76825	Digital Angle Meter II Dust/Waterproof	151×60×31	280	4 960910 768253	1	
76826	Digital Angle Meter II Dust/Waterproof with Magnet	151×60×31	280	4 960910 768260	1	

Features

- Convenient for measuring from a reference point by setting the point from any angle
- Hold function allows measurement when display cannot be seen
- Auto power off function
- Mini magnet
 - Switches indication for angle (°) or gradient (%)
- Digital Angle Meter II
 - Dustproof and waterproof under IP65 specifications, making it useful for angle measurements in various places
 - Switches digitally between display of degree, %, and mm/m. With backlight function for use in dark places.
 - BEEPs when horizontal or vertical
 - V-shape groove for measuring pipe

Use

● For work installing machines or equipment

Specifications

Item Code	76447	
Range	90° × 4 directions (360°)	
Minimum Indication	Angle: 0.1° Inclination: 0.1%	
Precision	±0.2° (±3.5 mm/m)	
Use Temperature	0 - 40°C	
Power Source	1x 9V battery (Battery included is for trial use only and may not last as long)	
Auto Power Off	Power automatically turns off 5 minutes after turning on	
Material	Body: Zinc alloy Panel: Polycarbonate resin	
Accessories	Screwdriver	
Item Code	76825	76826
Range	90° × 4 directions (360°)	
Minimum Indication	Angle: 0.05° Gradient: 0.1% Rise: 1 mm/m	
Precision	0°, 90°: ±0.05° Other Degrees: ±0.15°	
Use Temperature	-10 - 50°C	
Power Source	2x AAA Alkaline batteries (Batteries included are for trial use only and may not last as long)	
Auto Power Off	Power automatically turns off 5 minutes after turning on	
Dust/water proof	IP65*	
Material	Body: ABS resin, aluminum	
Accessories	Holder case	

*Dustproof performance: Dust will not penetrate. Waterproof performance: It will not be harmfully affected by water sprayed from any direction.

Laser Beam Level 2

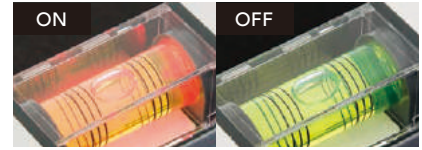


PSC compatible product



Features

- Laser point can be directed up to 10 m outdoors/30 m indoors to show horizontal level/gradient in a remote place
- *Depends on usage environment such as brightness
- Horizontal vial LED lights up brightly when laser is irradiated, so you can see at a glance that laser light is coming out

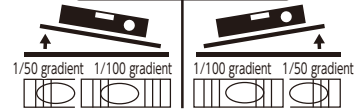


- Measurement surface has a V-shaped groove to enable pipe measurement
- Can measure gradients of 1/50 and 1/100
- Magnetic model

- Handy for steel frame work thanks to powerful magnet with yoke



Gradient Measurement



*The size of air bubble varies depending on temperature.

Use

- For installation work in civil engineering, plumbing, electricity, masonry, interior finishing, and do-it-yourself carpentry, etc.

Specifications

Laser	Light Source	Visible light semiconductor laser
	Output	Less than 1 mW (JIS class 2 C6802: 2014)
	Wave Length	640 - 660 nm
	Display Accuracy	±2 mm per 5 m
Vial	Diameter*1	φ3 mm per 5 m
	Distance Recognition	Outside: Approx. 10 m Inside: Approx. 30 m
Precision	*2 Sensitivity	Horizontal: 0.35 mm/m=0.0201° Vertical: 0.5 mm/m=0.0286°
		Horizontal: ±1.0 mm/m = less than ±0.0573° Vertical: ±2.5 mm/m = less than ±0.1432°
Use Temperature	-10 - 50°C	
Storage Temperature	-20 - 60°C	
Power Source	2× AAA Alkaline batteries (Batteries included are for trial use only and may not last as long)	
Material	Body: Aluminum, ABS resin, polypropylene resin Vial: Acrylic resin Liquid: Petroleum liquid	

*1 Depends on usage environment such as brightness.
 *2 Sensitivity is the gradient when the bubble starts moving.



76165



76166

- Safe design in which laser beam is activated only when the contact sensor and laser switch are pressed



*Laser light depicted is an illustration.



Contact sensor

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
76164	300 mm	300×55×25	320	4 960910 761643	3	C
76165	300 mm with Magnet	300×55×25	435	4 960910 761650		
76166	450 mm	450×55×25	430	4 960910 761667		
76167	450 mm with Magnet	450×55×25	540	4 960910 761674		

Rotating Table



76478



Image

Features

- Smoothly rotates 360°
- Can be used for height adjustment such as positioning of a window frame by mounting a laser beam level and attaching to a tripod

Use

- For horizontal referencing by mounting a laser beam level

Specifications

Material	Rotating Plate Base: Aluminum die casting Level Stopper: ABS resin
Accessories	Hexagonal wrench (for adjusting circular vial)
Installation Screw	W 5/8 inch

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
76478	for Laser Beam Level	φ108×100	800	4 960910 764781	1	B

Handy Level Revo



*Gradient cannot be measured with vial graduations.

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
76424	Single White	72.5×72.5×18	32	4 960910 764248	6	
76425	Single Blue	72.5×72.5×18	32	4 960910 764255	6	
76426	Double	95×45×22	36	4 960910 764262	6	
76427	Double with Magnet	95×45×22	44	4 960910 764279	6	
76428	Triple	120×53.5×16	58	4 960910 764286	6	
76429	Triple with Magnet	120×53.5×16	62	4 960910 764293	6	

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

Features

- High-visibility vial with clear blue liquid and thick white line



- V-shape groove for measuring pipe
- Vial with luminous sheet for better readability (76428/76429)
- Magnetic model has strong neodymium magnet. Convenient for steel frame work (76427/76429)
- Portable pocket size



Use

- For verification of horizontality, verticality, and 45° (except 76426/76427)

Specifications

Item Code	76424	76425	76426	76427	76428	76429
Sensitivity, Precision	Sensitivity 0.5 mm/m = 0.0286° Precision ±2.5 mm/m = less than ±0.1432°					
Material	Body: ABS resin Vial: Acrylic resin Liquid: Petroleum liquid				Body: ABS resin, aluminum Vial: Acrylic resin Liquid: Petroleum liquid	

Handy Level Compact NEW



*Gradient cannot be measured with vial graduations.

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
76227	75 mm	75×51×16	55	4 960910 762275	6	
76228	75 mm with Magnet	75×51×16	65	4 960910 762282	6	
76230	100 mm	100×51×16	75	4 960910 762305	6	
76232	100 mm with Magnet	100×51×16	85	4 960910 762329	6	

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

Features

- Combines accuracy with compact size
- Dual tube type is one of the smallest in the industry* (76227, 76228)
*In terms of measurement surface length



- Portable pocket size
- Vial is visible from the outside so view is not obstructed
- Equipped with a hook hole for attaching a screwdriver directly to the frame
- High-visibility vial with clear blue liquid and thick white line
- V-shape groove for measuring pipe
- Handy for steel frame work thanks to powerful magnet with yoke (76228/76232)



Use

- For verification of horizontality, verticality, and 45° (except 76227/76228)

Specifications

Item Code	76227	76228	76230	76232
Sensitivity, Precision	Sensitivity 0.35 mm/m = 0.0201° Precision ±1.0 mm/m = less than ±0.0573°			
Material	Body: ABS resin, aluminum Vial: Acrylic resin Liquid: Petroleum liquid			

Carpenter's Squares
Stainless Steel Rules / Machine Scale
Aluminum Rules
Resin Rules / Bamboo Rules
Squares / Protractors
Vernier Calipers / Micrometers
Tape Measures
Surveying Products
Scales
Levels
Lasers / Optical Equipment
Inclines / Chalklines / Plumblines
Circular Saw Guides
Construction Tools
Industrial Tools
Thermometers / Hygrometers / Scientific Measuring Instruments
Outdoor Products
Magnifying Glasses
Drawing Tools
Magnets

Mini Level Revo

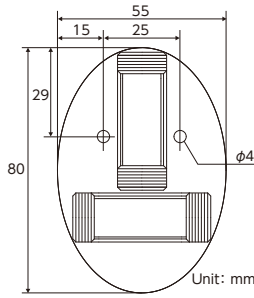
Carpenter's Squares/
Stainless Steel Rules/
Machine Scale
Aluminum Rules
Resin Rules/
Bamboo Rules
Squares/
Protractors
Vernier Calipers/
Micrometers
Tape Measures
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Clinometers/
Plumblines
Circular Saw Guides
Construction Tools
Industrial Tools
Thermometers/
Hygrometers/
Environmental Measuring Instruments
Outdoor Products
Magnifying Glasses
Drawing Tools
Magnets



76416



76418



76417



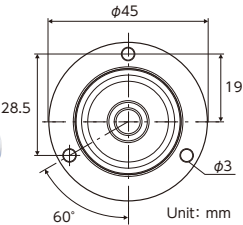
76423



76387



76347



NEW 76065



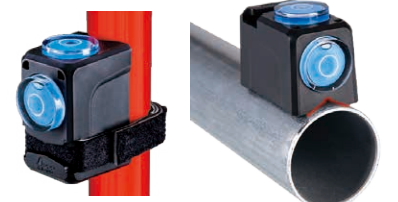
NEW 76064

*Gradient cannot be measured with vial graduations.
 ●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
76416	Lineclip Model	100×19×26	15	4 960910 764163	10	
76417	for Rule and Square	71×19×25	17	4 960910 764170		
76418	T-shaped Model	80×55×15	21	4 960910 764187		
76423	Keyring Model	42×15×15	12	4 960910 764231		
76387	Clear Cube Model	75×30×15	38	4 960910 763876		
76347	Circular Model	φ45×11	10	4 960910 763470		
76065	Clip Model for Pole	66×35×94	35	4 960910 760653		
76064	Cube Model for Pole	43×61×34	35	4 960910 760646		

Features

- Line clip model
 - With hook for leveling string
 - For measuring pipe by using V-shape groove
 - Can be used on flat surfaces as well
 - Portable with pocket clip
- For rule and square
 - Attachable on rule and square
 - Can be used on flat surfaces as well
 - Portable with pocket clip
- T-shape oval model
 - Measures four directions at the same time
 - Attach with screws to machine (Screws are not included)
- Key chain model
 - Easily check the horizontal level since 4 sides are measurement sides
 - Portable with large carabiner
- Clear Cube
 - All 6 sides have been processed as measuring surfaces
 - Place it flat to simultaneously measure two directions horizontally: front/back and left/right
- Circular model
 - Can be attached to machines and equipment with screws (M3 size: not included)
 - Can check the horizontal surface in all directions
- Clip type for poles
 - Clip and band can be freely attached to the measurement object
 - Large vial (φ25mm) for high visibility
- Cube type for poles
 - Large vial (φ25mm) for high visibility
 - Band (natural length: approx. 300 mm) provided conveniently attaches to the measurement object
 - V-shaped groove for pipe measurement



Use

- For verifying horizontality
- Mount on a pole or staff for vertical confirmation (76065)
- For vertical reference when installing pin poles (76065)
- Mount on a pole for horizontal or vertical confirmation (76064)

Specifications

Item Code	76416	76417	76418	76423	76387	76347
Sensitivity, Precision	Sensitivity 0.5 mm/m = 0.0286° Precision ±2.5 mm/m = less than ±0.1432°					
Material	Body: ABS resin Vial: Acrylic resin Liquid: Petroleum liquid			Body: Acrylic resin Liquid: Petroleum liquid Carabiner: Aluminum (76423)		
Item Code	76065		76064			
Supported pole diameter	Pole: 25 - 32 mm Pin poles: 4, 6 - 8 mm		-			
Sensitivity, Precision	Sensitivity 0.5 mm/m = 0.0286° Precision ±5.0 mm/m = less than ±0.2865°					
Use Temperature	-10 - 60°C					
Material	Body, Clip: polycarbonate resin Vial: Acrylic resin Liquid: Petroleum liquid			Body: ABS resin Vial: Acrylic resin Liquid: Petroleum liquid		
Accessories	Band (natural length approx. 300 mm)					

*When attached to a pole or staff (76065 only).

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

Handy Level Light



76342



●With strap hole

*Gradient cannot be measured with vial graduations.

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
76342	100 mm	100×50×19	39	4 960910 763425	10	

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

Features

- Ultra lightweight and portable level
- High-visibility vial with clear blue liquid and thick white line



Use

- For verification of horizontality, verticality

Specifications

Sensitivity, Precision	Sensitivity 0.5 mm/m = 0.0286° Precision ±2.5 mm/m = less than ±0.1432°
Material	Body: ABS resin Vial: Acrylic resin Liquid: Petroleum liquid

Mini Level



76046

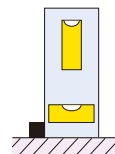
*Gradient cannot be measured with vial graduations.

●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
76046	D Flat Model	75×25×15	30	4 960910 760462	10	

Features

- Whole surface can be used as measurement side.
- Can measure horizontally in two directions (front/back, left/right) at the same time by laying it flat



Use

- For verification of horizontality, verticality

Specifications

Sensitivity, Precision	Sensitivity 0.5 mm/m = 0.0286° Precision ±2.5 mm/m = less than ±0.1432°
Material	Body: Acrylic resin Vial: Acrylic resin Liquid: Petroleum liquid

Slim Level

76340



76332



*Gradient cannot be measured with vial graduations.

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
76340	200 mm White with Magnet	200×40×14	68	4 960910 763401	6	
76332	200 mm White with Magnet on Back Side	200×40×15	75	4 960910 763326	6	

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

Features

- Portable and convenient slim shape level
- Magnet covers nearly all of the measurement side for secure fastening to metal surfaces, etc.



- Rear magnet convenient for adjusting position of wall mounts, etc. (76332)



- 90° vial, 45° vial
- Vial with luminous sheet for better readability



Use

- For horizontal, vertical and 45° confirmation
- For air conditioner base installation work (76332)

Specifications

Sensitivity, Precision	Sensitivity 0.5 mm/m = 0.0286° Precision ±2.5 mm/m = less than ±0.1432°
Material	Body: ABS resin Vial: Acrylic resin Liquid: Petroleum liquid

Round Shape Vial



*Gradient cannot be measured with vial graduations.

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
76530	φ11 Blue 2 pc-pack	φ11×8.5	0.8×2	4 960910 765306	10	B
76531	φ16 Blue 2 pc-pack	φ16×8.5	1.4×2	4 960910 765313		

Features

- Various uses such as leveling for part of machine and camera's tripod, etc.

Use

- For verification of horizontality

Specifications

Item Code	76530	76531
Sensitivity	1 mm/m=0.0573°	0.5 mm/m=0.0286°
Material	Body: Acrylic resin Liquid: Petroleum liquid	

*Sensitivity for Round Shape Vial indicates required gradient to move the air bubble by 1mm.

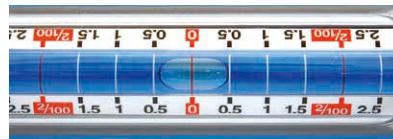
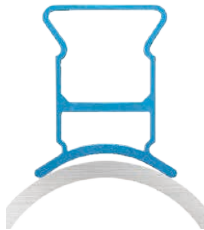
Slope Level



76359

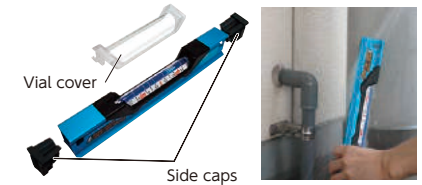
● Fits pipes

● Easy-to-read gradient as the bubble moves widely



Features

- Washable inner part



- Measures horizontality and five different gradients (0.5/100, 1/100, 1.5/100, 2/100, 2.5/100)
- These models can measure continuous gradients
- Both left and right can be measured
- Curved measurement side improves stability
- Vial with luminous sheet for better readability

Use

- For verification and adjustment of gradient in installation of drain pipes

Specifications

Precision	±1.5 mm/m
Material	Body: Aluminum Level Vial: Glass Side Cap: Rubber Liquid: Petroleum liquid Cover: ABS resin, polycarbonate resin

● Parts are listed on p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
76358	300 mm	300×34×42	305	4 960910 763586	4	C
76355	450 mm	450×34×42	390	4 960910 763555		
76359	600 mm	600×34×42	535	4 960910 763593		

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

Post Level with Magnet



76339



With scales

Rubber stopper band

*Gradient cannot be measured with vial graduations.

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
76339	Post Level	128×90×90	74	4 960910 763395	6	

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

Features

- Can be used to draw lines in right angle and 45°
*Accuracy of angle and length are not guaranteed
- Attached magnets make it ideal for steel frame and steel-pipe work
- Stopper band included



With magnets



Use

- For marking vertical line on pillar or piling

Specifications

Sensitivity, Precision	Sensitivity 0.5 mm/m = 0.0286° Precision ±2.5 mm/m = less than ±0.1432°
Material	Body: ABS resin Vial: Acrylic resin Liquid: Petroleum liquid

Angle Level



78997

Stainless Steel Rule
Polish Finish 15 cm
attached



78996



78966

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
78997	A-150	78×62×15	70	4 960910 789975	5	
78996	A-300	93×79×18	99	4 960910 789968	5	
78966	A-600	141×133×20	541	4 960910 789661	1	

Features

- Vernier scale measures angle more accurately
- Includes storage case (78966)

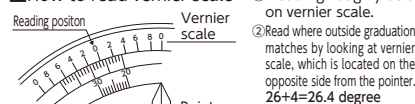
Use

- For angle measurement

Specifications

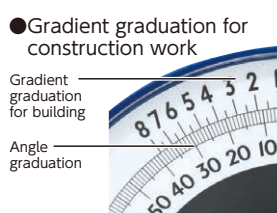
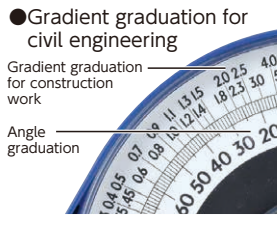
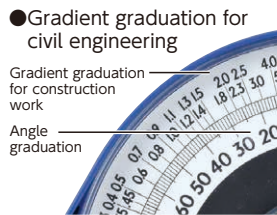
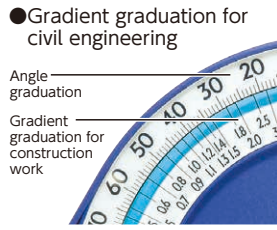
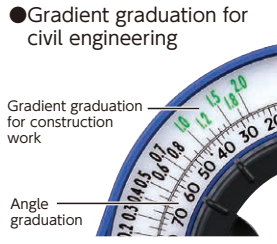
Item Code	78997	78996	78966
Precision		±0.6°	
Minimum Measurement	0.2°	0.1°	5 mins (about 0.08°)
Material	Body: ABS resin Liquid: Industrial oil		Body: Aluminum die casting Liquid: Industrial oil
Accessories	Stainless steel rule 15 cm		—

How to read vernier scale



- ① Reading roughly at 0 on vernier scale.
- ② Read where outside graduation matches by looking at vernier scale, which is located on the opposite side from the pointer.
26+4=26.4 degree

Blue Slant



Features

- Made of sturdy fiberglass ABS resin
- Blue Slant Revolving Dial Mode
 - 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 angle or slope

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		

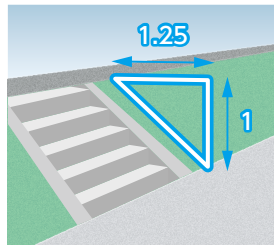
Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
78546	Revolving Dial Model	120×240×20	120	4 960910 785465	5	SP
78543	Tube Vial Model	109×235×16	80	4 960910 785434		
78544	Dial Model	107×230×18.5	100	4 960910 785441		
78545	Dial Model with Magnet	107×230×18.5	115	4 960910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

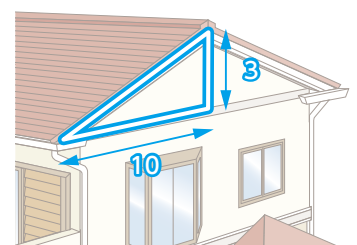
● Civil engineering gradient

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.



11. Lasers/ Optical Equipment



Carpenter's Squares
Stainless Steel Rules/ Machine Scale
Aluminum Rules
Resin Rules/ Bamboo Rules
Squares/ Protractors
Vernier Calipers/ Micrometers
Tape Measures
Surveying Products
Scales
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Inclines/ Chalklines/ Plumbholders
Circular Saw Guides
Construction Tools
Industrial Tools
Thermometers/ Hygrometers/ Scales/ Measuring Instruments
Outdoor Products
Magnifying Glasses
Drawing Tools
Magnets

Scan here to see videos of various products



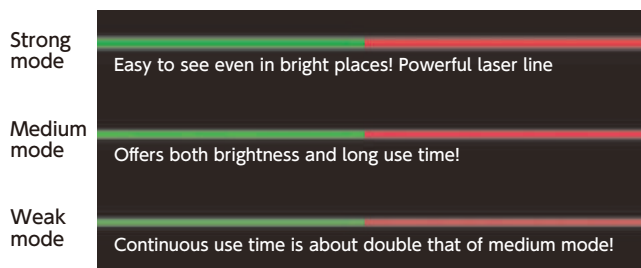
Laser Functions

Type	X line-E		X line		Neo E Sensor AR		Neo E Sensor	
	Green Laser	Red Laser	Green Laser	Red Laser	Green Laser	Red Laser	Green Laser	Red Laser
Braking Systems	Electronic level sensor + motor	○	—	—	○	—	○	—
	Pendulum + magnetic damper	—	○	—	—	—	—	—
Full Horizontal Line	○	—	○	—	○	—	—	—
Ceiling Marking/ Ground Marking Cross	○	—	○	—	—	—	—	—
Inside Corner 10 mm Outside Corner 0 mm	○	—	○	—	—	—	—	—
Variable Output	—	—	—	—	—	—	—	—
Line Memory	—	—	—	—	—	—	—	—
Fixed line mode	○	—	○	—	○	—	○	—
Power Source	Lithium-ion Battery (USB Type-C)	—	—	—	—	—	—	—
	AC Adapter	○	—	○	—	○	—	○
	Battery	○	—	○	—	○	—	○
Catalog Page	p.114		p.114		p.116	p.117	p.116	p.117

About the Functions

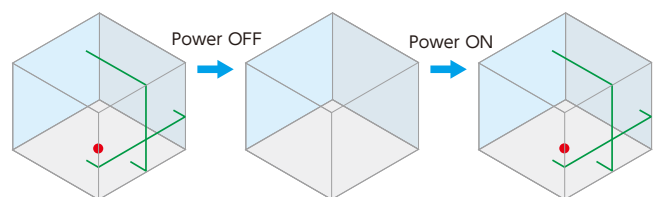
Variable Output

Laser light in strong mode is easy to see in bright places, yet not overly bright in dark places while in weak mode. Long-lasting batteries enable continuous use over a long time.



Line memory

The irradiation line pattern is memorized even after the power is turned off



Ceiling marking/ground marking lines cross

The 360° full line crosses at 90°, forming the ceiling marking point/ground marking point



Inside corner 10 mm, outside corner 0 mm

Can be used for inside corners from 10 mm* and outside corners from 0 mm since the ground marking cross lines can be irradiated

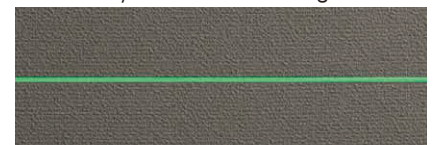


*When protective caps on the lasers have been removed

Electronic level sensor + motor

Since inclination is sensed by the electronic level sensor and adjustment is done automatically by the two motors, the line is stabilized even in work sites with many vibrations, such as a high-rise building or a road with high traffic volume, and the line can be determined quickly.

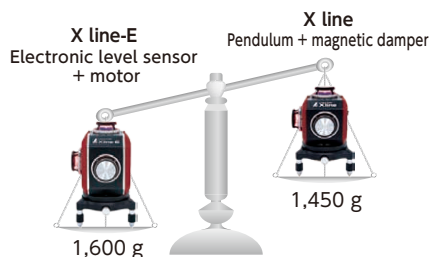
Line stability even in sites with high vibration



Type	LEXIA AR		LEXIA		Neo AR BRIGHT		Neo BRIGHT	
	Green Laser	Red Laser	Green Laser	Red Laser	Green Laser	Red Laser	Green Laser	Red Laser
Braking Systems	Electronic level sensor + motor	—	—	—	—	—	—	—
	Pendulum + magnetic damper	○	○	○	○	○	○	○
Full Horizontal Line	○	—	—	—	○	—	—	—
Ceiling Marking/ Ground Marking Cross	—	—	—	—	—	—	—	—
Inside Corner 10 mm Outside Corner 0 mm	—	—	—	—	—	—	—	—
Variable Output	○	—	○	—	—	—	—	—
Line Memory	○	—	○	—	—	—	—	—
Fixed line mode	—	—	—	—	—	—	—	—
Power Source	Lithium-ion Battery (USB Type-C)	○	○	—	—	—	—	—
	AC Adapter	—	—	○	—	○	—	—
	Battery	—	—	—	○	○	○	○
Catalog Page	p.119	p.120	p.122	p.123	p.125		p.126	

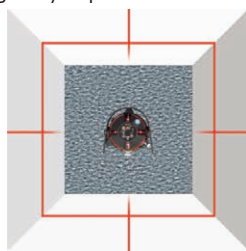
Pendulum + magnetic damper

Swinging can be quickly stopped by braking with pendulum and magnetic damper. Simple construction also makes it lightweight.



Full Horizontal Line

By irradiating with a full horizontal line, there is no need to rotate the main body, which greatly improves work efficiency.



Fixed line mode

All models feature a convenient fixed line mode for irradiating a line diagonally



Lithium-ion Battery (USB Type-C)

Can be charged repeatedly using a Type-C USB charger



AC adapter

Use batteries or AC adapter for long continuous use.



Batteries

Can be used with 4 readily available AA alkaline



Carpenter's Squares
 Stainless Steel Rules / Machine Scale
 Aluminum Rules
 Resin Rules / Bamboo Rules
 Squares / Protractors
 Vernier Calipers / Micrometers
 Tape Measures
 Surveying Products
 Scales
 Levels
 Lasers / Optical Equipment
 Incliners / Clinometers / Plumblines
 Circular Saw Guides
 Construction Tools
 Industrial Tools
 Thermometers / Hygrometers / Scales / Measuring Instruments
 Outdoor Products
 Magnifying Glasses
 Drawing Tools
 Magnets

Carpenter's Squares
 Stainless Steel Rules/ Machine Scale
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 Incliners/ Cracklines/ Plumblines
 Circular Saw Guides
 Construction Tools
 Industrial Tools
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 Magnets



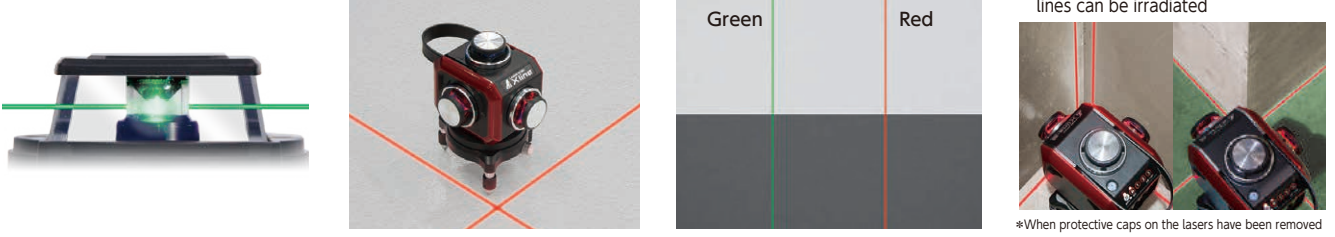
LASER ROBO Xline-E
 Ceiling Marking/Ground Marking Cross Sensor + Motor System Type



LASER ROBO Xline
 Ceiling Marking/Ground Marking Cross Pendulum + Magnetic Damper Type

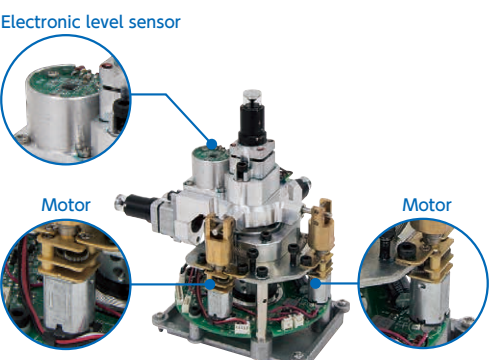
Features of Laser ROBO Xline series

- 360° irradiation with 1 light source**
 ● Core mirror enables 360° irradiation without rotating the main body
- Ceiling marking/ground marking lines cross**
 ● The 360° full line crosses at 90°, forming the ceiling marking point/ground marking point
- Easy-to-see Line/Bright Line**
 ● Highly visible green-colored laser, bright and vivid red-colored laser
- Inside corner 10 mm, outside corner 0 mm**
 ● Can be used for inside corners from 10 mm* and outside corners from 0 mm since the ground marking cross lines can be irradiated



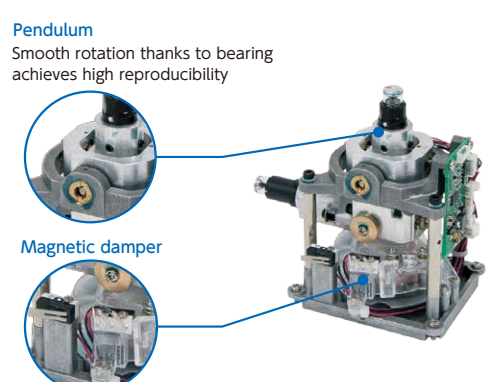
Electronic level sensor + motor

Since inclination is sensed by the electronic level sensor and adjustment is done automatically by the two motors, the line is stabilized even in work sites with many vibrations, such as a high-rise building or a road with high traffic volume, and the line can be determined quickly.

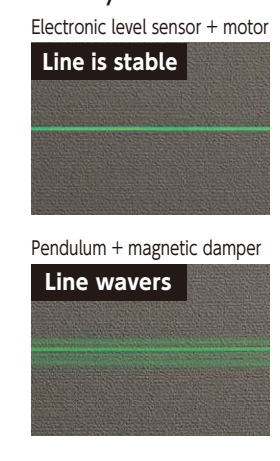


Pendulum + magnetic damper

Swinging can be quickly stopped by braking with pendulum and magnetic damper. Simple construction also makes it lightweight.



Work Sites with Many Vibrations



Laser ROBO X line-E

Electronic level sensor + motor

High Brightness **Full Circumference Accuracy** **Dust/Water-proof IP54** **For Laser Receiver** **Dual Power Source Battery AC**

Do not stare into beam
 Maximum Output 1 mW Frequency 5.5 kHz
 Wavelength 510 - 530 nm
 Class 2 Laser Product JIS C6802: 2018

360°
Horizontal

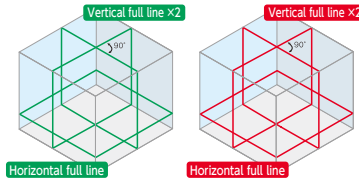


71610

Do not stare into beam Also, do not expose to a user of a telescopic optical system
 Maximum Output 2 mW Frequency 5.5 kHz
 Wavelength 635 - 643 nm
 Class 2 Laser Product JIS C6802: 2018



71609



●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
71610	X line-E Green	213x127x182	1,600	4 960910 716100	1	B
71620	X line-E Green with Receiver and Tripod	-	-	4 960910 716209		
71609	X line-E Red	213x127x182	1,600	4 960910 716094		
71619	X line-E Red with Receiver and Tripod	-	-	4 960910 716193		

Laser ROBO X line

Pendulum + magnetic damper

High Brightness **Full Circumference Accuracy** **Dust/Water-proof IP54** **For Laser Receiver** **Dual Power Source Battery AC**

Do not stare into beam
 Maximum Output 1 mW Frequency 5.5 kHz
 Wavelength 510 - 530 nm
 Class 2 Laser Product JIS C6802: 2018

360°
Horizontal

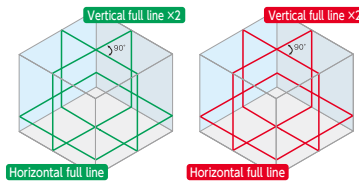


71608

Do not stare into beam Also, do not expose to a user of a telescopic optical system
 Maximum Output 2 mW Frequency 5.5 kHz
 Wavelength 635 - 643 nm
 Class 2 Laser Product JIS C6802: 2018



71607

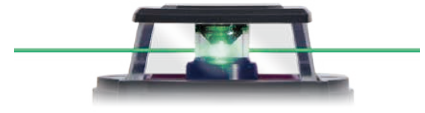


●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
71608	X line Green	188x127x182	1,450	4 960910 716087	1	B
71618	X line Green with Receiver and Tripod	-	-	4 960910 716186		
71607	X line Red	188x127x182	1,450	4 960910 716070		
71617	X line Red with Receiver and Tripod	-	-	4 960910 716179		

Features

●Adoption of a cone mirror enables 360° irradiation with one light source. Greatly improves work efficiency since there is no need to rotate the main body.



●360° full line crosses the 90° line, forming ceiling marking/ground marking



●Since the ground marking cross lines can be irradiated, can be used for inside corners from 10 mm*, and outside corners from 0 mm



*When protective caps on the lasers have been removed.

●Separating makes it easier to mark in lower positions, easier to carry, and further improves usability



●All models feature a convenient fixed line mode for shining a line diagonally



●Can be adjusted to a precise reference with rotary fine-adjustment knob capable of 360° rotation

Use

●For all types of referencing

Specifications

●Mentioned on page 128

*Laser light depicted is an illustration.

Accessories



Receiver and Tripod Set Items



Carpenter's Squares
 Stainless Steel Rules / Machine Scale
 Aluminum Rules
 Resin Rules / Bamboo Rules
 Squares / Protractors
 Vernier Calipers / Micrometers
 Tape Measures
 Surveying Products
 Scales
 Levels
 Lasers / Optical Equipment
 Inlines / Chalklines / Plumholders
 Circular Saw Guides
 Construction Tools
 Industrial Tools
 Thermometers / Hygrometers / Scientific Measuring Instruments
 Outdoor Products
 Magnifying Glasses
 Drawing Tools
 Magnets

Vibration-resistant Sensor + Motor

LASER ROBO NEO
GREEN
E-SENSOR

LASER ROBO NEO
E-SENSOR

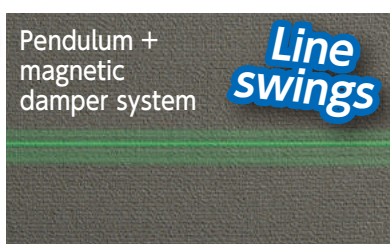
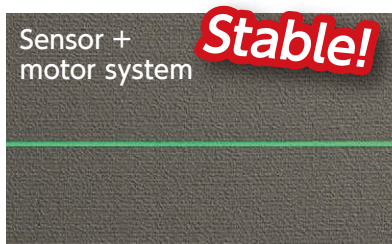


Features of Laser ROBO Neo E Sensor series

*Laser depicted is an illustration.

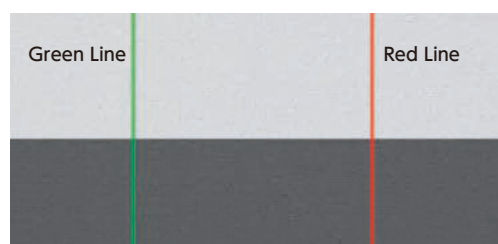
Vibration resistant

- Quickly determine the line even in a work location with large vibrations and shaking



Easy-to-see Line/Bright Line

- Highly visible green-colored laser, bright and vivid red-colored laser



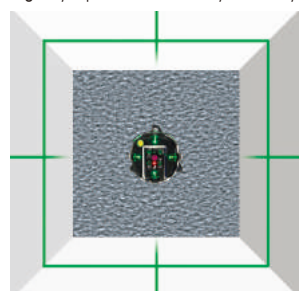
Fixed Line Mode

- With convenient Fixed Line Mode when wanting to expose line diagonally



Full Horizontal Line

- By irradiating with a full horizontal line, there is no need to rotate the main body, which greatly improves work efficiency (51AR only)



AC adapter

- Continuous use possible over a long time



360° Rotary fine-adjustment

- Can be adjusted to a precise reference with rotary fine-adjustment knob capable of 360° rotation



Carpenter's Squares
 Stainless Steel Rules / Machine Scale
 Aluminum Rules
 Resin Rules / Bamboo Rules
 Squares / Protractors
 Vernier Calipers / Micrometers
 Tape Measures
 Surveying Products
 Scales
 Levels
 Lasers / Optical Equipment
 Incliners / Chalklines / Plumblines
 Circular Saw Guides
 Construction Tools
 Industrial Tools
 Thermometry / Hygrometers / Environmental Measuring Instruments
 Outdoor Products
 Magnifying Glasses
 Drawing Tools
 Magnets

Laser ROBO Green Neo E Sensor

High Brightness

Full horizontal Accuracy
±1.5/7.5
mm/m

High Precision
±1m/7.5
mm

Dust/Water-proof
IP54

For Laser Receiver

Dual Power Source
Battery
AC

360° Horizontal
(S1 AR model)

Do not stare into beam
Maximum Output 1 mW Frequency 5.5 kHz
Wavelength 510 - 530 nm 645 - 655 nm
Class 2 Laser Product JS C5602-2018

Electronic level sensor + motor



71606

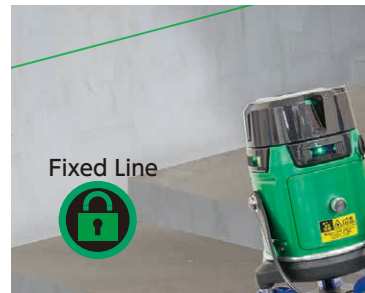


Features

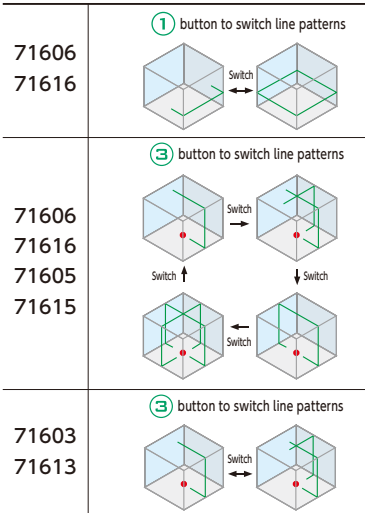
● Uses a Electronic level sensor + motor system that is resistant to strong vibrations



● With convenient Fixed Line Mode when wanting to expose line diagonally



● Enables changing exposure only to necessary lines for horizontal circumference, full vertical and triangle-shape projection to reduce power consumption (except 21)



Use

● For all types of referencing

Specifications

● Mentioned on page 128

*Laser depicted is an illustration.

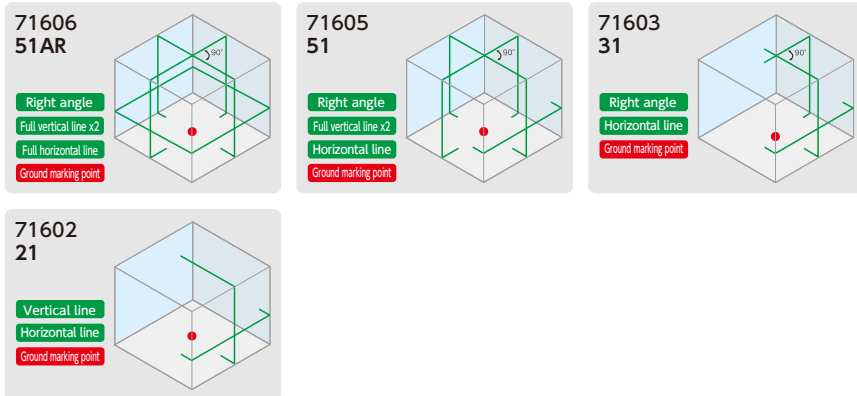
Accessories



Receiver and Tripod Set Items



Lineup



● Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
71606	Green Neo E Sensor 51 AR	190x128x128 (body 105 x 96)	1,325	4 960910 716063	1	B
71616	Green Neo E Sensor 51 AR with Receiver and Tripod	-	-	4 960910 716162	1	B
71605	Green Neo E Sensor 51	190x128x128 (body 105 x 96)	1,280	4 960910 716056	1	B
71615	Green Neo E Sensor 51 with Receiver and Tripod	-	-	4 960910 716155	1	B
71603	Green Neo E Sensor 31	190x128x128 (body 105 x 96)	1,265	4 960910 716032	1	B
71613	Green Neo E Sensor 31 with Receiver and Tripod	-	-	4 960910 716131	1	B
71602	Green Neo E Sensor 21	190x128x128 (body 105 x 96)	1,250	4 960910 716025	1	B
71612	Green Neo E Sensor 21 with Receiver and Tripod	-	-	4 960910 716124	1	B

Carpenter's Squares
Stainless Steel Rules / Machine Scale
Aluminum Rules
Resin Rules / Bamboo Rules
Squares / Protractors
Vernier Calipers / Micrometers
Tape Measures
Surveying Products
Scales
Levels
Lasers / Optical Equipment
Inclines / Chalklines / Plumblines
Circular Saw Guides
Construction Tools
Industrial Tools
Thermometers / Hygrometers / Scales / Measuring Instruments
Outdoor Products
Magnifying Glasses
Drawing Tools
Magnets

Laser ROBO Neo E Sensor

High Brightness **Full horizontal Accuracy ±1.5/7.5 (S1 AR model)** **High Precision ±1mm/7.5 (S1 AR model)** **Dust/Water-proof IP54** **For Laser Receiver** **Dual Power Source Battery AC**

360° Horizontal
(S1 AR model)

Do not stare into beam
Maximum Output 1 mW Frequency 5.5 kHz
Wavelength 630 - 640 nm, 645 - 655 nm
Class 2 Laser Product JIS C6802: 2018

Electronic level sensor + motor



71506

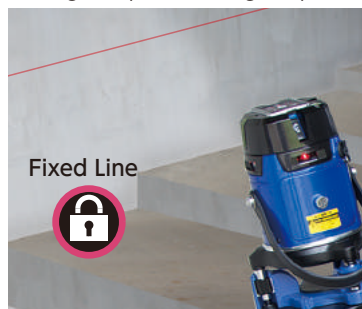


Features

● Uses a Electronic level sensor + motor system that is resistant to strong vibrations



● With convenient Fixed Line Mode when wanting to expose line diagonally



● Includes Level adjustment tripod adapter that makes it easy to adjust level when using a tripod



● Can be adjusted to a precise reference with rotary fine-adjustment knob capable of 360° rotation



Use

● For all types of referencing

Specifications

● Mentioned on page 128

Lineup

71506 51AR: Right angle, Full vertical line x2, Ground marking point.
71505 51: Right angle, Full vertical line x2, Horizontal line, Ground marking point.
71503 31: Right angle, Horizontal line, Ground marking point.
71502 21: Vertical line, Horizontal line, Ground marking point.

● Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
71506	Neo 51 AR E Sensor	190×128×128 (body 105 x 96)	1,325	4 960910 715066	1	B
71516	Neo 51 AR E Sensor with Receiver and Tripod	-	-	4 960910 715165	1	B
71505	Neo 51 E Sensor	190×128×128 (body 105 x 96)	1,280	4 960910 715059	1	B
71515	Neo 51 E Sensor with Receiver and Tripod	-	-	4 960910 715158	1	B
71503	Neo 31 E Sensor	190×128×128 (body 105 x 96)	1,265	4 960910 715035	1	B
71513	Neo 31 E Sensor with Receiver and Tripod	-	-	4 960910 715134	1	B
71502	Neo 21 E Sensor	190×128×128 (body 105 x 96)	1,250	4 960910 715028	1	B
71512	Neo 21 E Sensor with Receiver and Tripod	-	-	4 960910 715127	1	B

*Laser depicted is an illustration.

Accessories

AC adapter, Laser Glasses, 4x AA Alkaline batteries, Level adjustment tripod adapter, Aluminum case

Receiver and Tripod Set Items

Optical Receiver Laser Receiver II Plus with Holder, Tripod with Handle Elevator A Lightweight Type

LASER ROBO LEXIA AR

Full horizontal circumference 15mm from the floor



Features of Laser ROBO LEXIA AR series

*Laser depicted is an illustration.

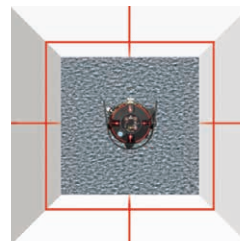
360° Horizontal line at a lower position

- Rotary plate is removable for irradiation at a lower position (approx. 15 mm high)



Full Horizontal Line

- By irradiating with a full horizontal line, there is no need to rotate the main body, which greatly improves work efficiency



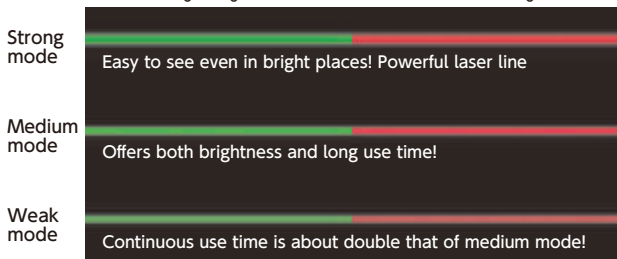
360° irradiation with 1 light source

- Cone mirror enables 360° irradiation without rotating the main body



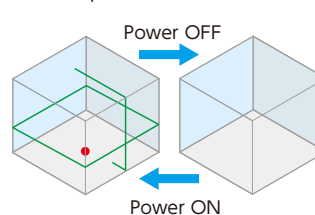
Select from 3 output levels

- Laser light in strong mode is easy to see in bright places, yet not overly bright in dark places while in weak mode. Long-lasting batteries enables continuous use over a long time.



Line memory

- Remembers irradiation line pattern even if power is turned off



Lithium-ion Battery (USB Type-C)

- Can be charged repeatedly using a Type-C USB charger



- Carpenter's Squares
- Stainless Steel Rules / Machine Scale
- Aluminum Rules
- Resin Rules / Bamboo Rules
- Squares / Protractors
- Vernier Calipers / Micrometers
- Tape Measures
- Surveying Products
- Scales
- Levels
- Lasers / Optical Equipment
- Inclines / Chalklines / Plumblines
- Circular Saw Guides
- Construction Tools
- Industrial Tools
- Thermometers / Hygrometers / Scales / Measuring Instruments
- Outdoor Products
- Magnifying Glasses
- Drawing Tools
- Magnets

Laser ROBO LEXIA AR **NEW**

- High power**
- 3 levels of laser light**
- High Precision ±1mm/7.5'**
- Full horizontal Accuracy ±1.5/7.5'**
- Dust/Water-proof IP54**
- Laser line memory function**
- For Laser Receiver**
- Rechargeable lithium-ion battery**

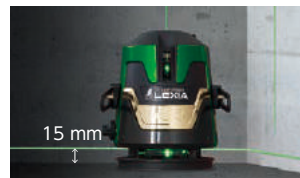
360° Horizontal

Pendulum + magnetic damper



Features

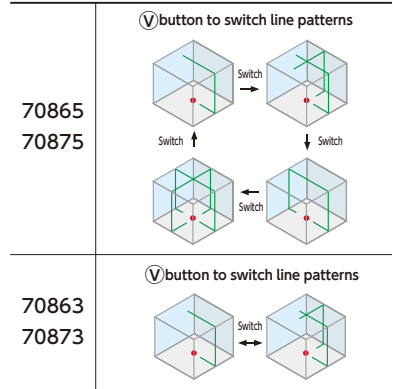
- Removable rotary plate to irradiate a low position (approx. 15 mm high)
- By irradiating with a full horizontal line, there is no need to rotate the main body, which greatly improves work efficiency
- Cone mirror enables 360° irradiation for a full horizontal line without rotating the main body



- Laser light in strong mode is easy to see in bright places, yet not overly bright in dark places while in weak mode. Long-lasting batteries enables continuous use over a long time.

Strong mode	Easy to see even in bright places! Powerful laser line
Medium mode	Offers both brightness and long use time!
Weak mode	Continuous use time is about double that of medium mode!

- Highly visible green laser
- Enables changing exposure only to necessary lines to reduce power consumption (except for 21AR and 01AR)



- Includes Level adjustment tripod adapter that makes it easy to adjust level when using a tripod
- Can be adjusted to a precise reference with rotary fine-adjustment knob capable of 360° rotation
- Inclination is automatically corrected up to ± 3°

Use

- For all types of referencing

Specifications

- Mentioned on page 129

Lineup

70865 51AR

70863 31AR

70862 21AR

70860 01AR

●Parts are listed from p.243

*Laser depicted is an illustration.

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
70865	51AR Green	190×128×128 (body φ100)	1,220	4 960910 708655	1	B
70875	51AR Green with Receiver and Tripod	-	-	4 960910 708754	1	B
70863	31AR Green	190×128×128 (body φ100)	1,220	4 960910 708631	1	B
70873	31AR Green with Receiver and Tripod	-	-	4 960910 708730	1	B
70862	21AR Green	190×128×128 (body φ100)	1,220	4 960910 708624	1	B
70872	21AR Green with Receiver and Tripod	-	-	4 960910 708723	1	B
70860	01AR Green	190×128×128 (body φ100)	1,220	4 960910 708600	1	B
70870	01AR Green with Receiver and Tripod	-	-	4 960910 708709	1	B

Accessories

Charging adapter
Battery box for charging

4x AA Alkaline batteries (battery box for charging)

Level adjustment tripod adapter

Aluminum case

Receiver and Tripod Set Items

Laser Receiver II Plus for Laser ROBO Green with Holder
*Only available in medium mode

Tripod with Handle Elevator A Lightweight Type

Laser ROBO LEXIA AR NEW

High power **3 levels of laser light** **High Precision ±1mm/7.5m** **Full horizontal Accuracy ±1.5/7.5m** **Dust/Water-proof IP54** **Laser line memory function** **For Laser Receiver** **Rechargeable lithium-ion battery**

360° Horizontal

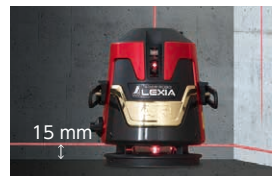
Pendulum + magnetic damper

Do not stare into beam
 Maximum Output 1 mW Frequency 5.5 kHz
 Wavelength 635 - 650 nm, 645 - 655 nm
 Class 2 Laser Product JIS C8802, 2018.



Features

● Removable rotary plate to irradiate a low position (approx. 15 mm high)



● By irradiating with a full horizontal line, there is no need to rotate the main body, which greatly improves work efficiency

● Cone mirror enables 360° irradiation for a full horizontal line without rotating the main body



● Laser light in strong mode is easy to see in bright places, yet not overly bright in dark places while in weak mode. Long-lasting batteries enables continuous use over a long time.

Strong mode
Easy to see even in bright places!
Powerful laser line

Medium mode
Offers both brightness and long use time!

Weak mode
Continuous use time is about double that of medium mode!

● Bright and vivid red laser
 ● Power consumption can be reduced by changing exposure only to necessary lines (except 21AR, 01AR)

70905 70915

● **V** button to switch line patterns

70903 70913

● **V** button to switch line patterns

● Includes Level adjustment tripod adapter that makes it easy to adjust level when using a tripod
 ● Can be adjusted to a precise reference with rotary fine-adjustment knob capable of 360° rotation
 ● Inclination is automatically corrected up to ± 3°

Use

● For all types of referencing

Specifications

● Mentioned on page 129

*Laser depicted is an illustration.

Accessories

Charging adapter 4x AA Alkaline batteries (battery box for charging)

Battery box for charging

Level adjustment tripod adapter Aluminum case Laser Glasses

Receiver and Tripod Set Items

Laser Receiver II Plus for High-output Red with Holder
 *Only available in medium mode

Tripod with Handle Elevator A Lightweight Type

Lineup

70905 51AR
 Right angle
 Full vertical line x2
 Full horizontal line
 Ground marking point

70903 31AR
 Right angle
 Full horizontal line
 Ground marking point

70902 21AR
 Vertical line
 Full horizontal line
 Ground marking point

70900 01AR
 Full horizontal line

● Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
70905	51AR Red	190x128x128 (body φ100)	1,220	4 960910 709058	1	B
70915	51AR Red with Receiver and Tripod	-	-	4 960910 709157	1	B
70903	31AR Red	190x128x128 (body φ100)	1,220	4 960910 709034	1	B
70913	31AR Red with Receiver and Tripod	-	-	4 960910 709133	1	B
70902	21AR Red	190x128x128 (body φ100)	1,220	4 960910 709027	1	B
70912	21AR Red with Receiver and Tripod	-	-	4 960910 709126	1	B
70900	01AR Red	190x128x128 (body φ100)	1,220	4 960910 709003	1	B
70910	01AR Red with Receiver and Tripod	-	-	4 960910 709102	1	B

Carpenter's Squares
 Stainless Steel Rules / Machine Scale
 Aluminum Rules
 Resin Rules / Bamboo Rules
 Squares / Protractors
 Vernier Calipers / Micrometers
 Tape Measures
 Surveying Products
 Scales
 Levels
 Lasers / Optical Equipment
 Incliners / Chalklines / Plumblines
 Circular Saw Guides
 Construction Tools
 Industrial Tools
 Thermometers / Hygrometers / Scientific Measuring Instruments
 Outdoor Products
 Magnifying Glasses
 Drawing Tools
 Magnets

LASER ROBO LEXIA

3 levels of beam intensity

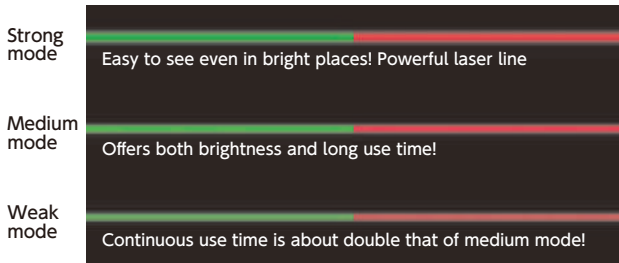


Features of Laser ROBO LEXIA series

*Laser light depicted is an illustration.

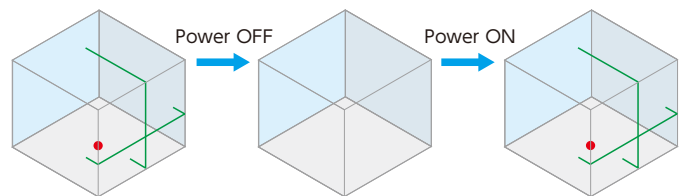
Select from 3 output levels

- Laser light in strong mode is easy to see in bright places, yet not overly bright in dark places while in weak mode. Long-lasting batteries enables continuous use over a long time.



Line memory

- The irradiation line pattern is memorized even after the power is turned off



Lithium-ion Battery (USB Type-C)

- Can be charged repeatedly using a Type-C USB charger



Removable rotary plate

- Remove to mark out a low position (height 40 mm)



IP54 dustproof and waterproof

- No concern about malfunction due to dust or water splashes, thanks to IP54 level dustproof and waterproof construction



Carpenter's Squares
 Stainless Steel Rules/ Machine Scale
 Aluminum Rules
 Resin Rules/ Bamboo Rules
 Squares/ Protractors
 Vernier Calipers/ Micrometers
 Tape Measures
 Surveying Products
 Scales
 Levels
 Lasers/ Optical Equipment
 Incliners/ Chalklines/ Plumblines
 Circular Saw Guides
 Construction Tools
 Industrial Tools
 Thermometers/ Hygrometers/ Environmental Measuring Instruments
 Outdoor Products
 Magnifying Glasses
 Drawing Tools
 Magnets

Laser ROBO LEXIA Green

High power 3 levels of laser light High Precision $\pm 1\text{mm}/7.5\text{m}$ Dust/Water-proof IP54 Laser line memory function For Laser Receiver Rechargeable lithium-ion battery Do not stare into beam
Maximum Output 1 mW Frequency 5.5 kHz Wavelength 515 - 530 nm 645 - 655 nm Class 2 Laser Product JIS C6802: 2018

Pendulum + magnetic damper



70845



Lineup

<p>70845 51</p>	<p>70844 41</p>	<p>70843 31</p>
<p>70842 21P</p>	<p>70841 21</p>	

●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
70845	LEXIA 51 Green	173×128×128 (body φ100)	1,200	4 960910 708457	1	
70855	LEXIA 51 Green with Receiver and Tripod	-	-	4 960910 708556	1	
70844	LEXIA 41 Green	173×128×128 (body φ100)	1,200	4 960910 708440	1	
70854	LEXIA 41 Green with Receiver and Tripod	-	-	4 960910 708549	1	
70843	LEXIA 31 Green	173×128×128 (body φ100)	1,200	4 960910 708433	1	
70853	LEXIA 31 Green with Receiver and Tripod	-	-	4 960910 708532	1	
70842	LEXIA 21P Green	173×128×128 (body φ100)	1,200	4 960910 708426	1	
70852	LEXIA 21P Green with Receiver and Tripod	-	-	4 960910 708525	1	
70841	LEXIA 21 Green	173×128×128 (body φ100)	1,200	4 960910 708419	1	
70851	LEXIA 21 Green with Receiver and Tripod	-	-	4 960910 708518	1	

Features

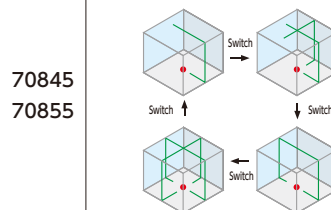
●Laser light in strong mode is easy to see in bright places, yet not overly bright in dark places while in weak mode. Long-lasting batteries enables continuous use over a long time.

Strong mode	Easy to see even in bright places! Powerful laser line
Medium mode	Offers both brightness and long use time!
Weak mode	Continuous use time is about double that of medium mode!

●Highly visible green laser

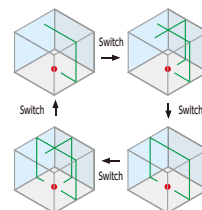
●Power consumption can be reduced by changing exposure only to necessary lines (except 21)

V button to switch line patterns



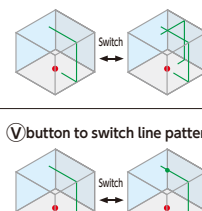
70845
70855

V button to switch line patterns



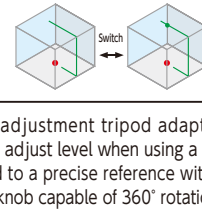
70844
70854

V button to switch line patterns



70843
70853

V button to switch line patterns



70842
70852

●Includes Level adjustment tripod adapter that makes it easy to adjust level when using a tripod

●Can be adjusted to a precise reference with rotary fine-adjustment knob capable of 360° rotation

●Inclination is automatically corrected up to $\pm 3^\circ$

Use

●For all types of referencing

Specifications

●Mentioned on page 129

*Laser depicted is an illustration.

Accessories

Charging adapter
Battery box for charging

4x AA Alkaline batteries
(battery box for charging)



Level adjustment tripod adapter



Aluminum case

Receiver and Tripod Set Items



Laser Receiver II Plus for Laser ROBO Green with Holder
*Only available in medium mode



Tripod with Handle Elevator A Lightweight Type

Laser ROBO LEXIA Red



Pendulum + magnetic damper



70935



Features

- Laser light in strong mode is easy to see in bright places, yet not too bright in dark places while in weak mode. Long-lasting batteries enables continuous use over a long time.

Strong mode	Easy to see even in bright places! Powerful laser line
Medium mode	Offers both brightness and long use time!
Weak mode	Continuous use time is about double that of medium mode!

- Bright and vivid red laser
- Power consumption can be reduced by changing exposure only to necessary lines (except 21)

70935 70945	V button to switch line patterns	
	Switch ↑ / Switch ↓	
70934 70944	V button to switch line patterns	
	Switch ↑ / Switch ↓	
70933 70943	V button to switch line patterns	
	Switch ↔	
70932 70942	V button to switch line patterns	
	Switch ↔	

- Includes Level adjustment tripod adapter that makes it easy to adjust level when using a tripod
- Can be adjusted to a precise reference with rotary fine-adjustment knob capable of 360° rotation
- Inclination is automatically corrected up to ± 3°

Use

- For all types of referencing

Specifications

- Mentioned on page 129

*Laser depicted is an illustration.

Accessories

Charging adapter 4x AA Alkaline batteries (battery box for charging)

Battery box for charging

Level adjustment tripod adapter Aluminum case Laser Glasses

Receiver and Tripod Set Items

Laser Receiver II Plus for High-output Red with Holder
*Only available in medium mode

Tripod with Handle Elevator A Lightweight Type

Lineup

70935 51 Right angle Full vertical line x2 Horizontal line Ground marking point	70934 41 Right angle Full vertical line Horizontal line Ground marking point	70933 31 Right angle Horizontal line Ground marking point
70932 21P Ceiling marking point Vertical line Horizontal line Ground marking point	70931 21 Vertical line Horizontal line Ground marking point	

●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
70935	LEXIA 51 Red	173×128×128 (body φ100)	1,200	4 960910 709355	1	B
70945	LEXIA 51 Red with Receiver and Tripod	-	-	4 960910 709454	1	
70934	LEXIA 41 Red	173×128×128 (body φ100)	1,200	4 960910 709348	1	
70944	LEXIA 41 Red with Receiver and Tripod	-	-	4 960910 709447	1	
70933	LEXIA 31 Red	173×128×128 (body φ100)	1,200	4 960910 709331	1	
70943	LEXIA 31 Red with Receiver and Tripod	-	-	4 960910 709430	1	
70932	LEXIA 21P Red	173×128×128 (body φ100)	1,200	4 960910 709324	1	
70942	LEXIA 21P Red with Receiver and Tripod	-	-	4 960910 709423	1	
70931	LEXIA 21 Red	173×128×128 (body φ100)	1,200	4 960910 709317	1	
70941	LEXIA 21 Red with Receiver and Tripod	-	-	4 960910 709416	1	

Full Horizontal High-brightness Line Models

LASERROBO
GREEN Neo
AR
BRIGHT



LASERROBO
Neo AR
BRIGHT



High-brightness Line Standard Models

LASERROBO
GREEN Neo
BRIGHT



LASERROBO
Neo
BRIGHT

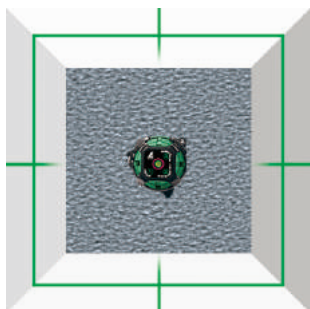


Features of Laser ROBO Neo AR BRIGHT series

*Laser depicted is an illustration.

Full Horizontal Line
●By irradiating with a full horizontal line, there is no need to rotate the main body, which greatly improves work efficiency (AR series only)

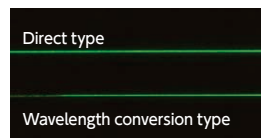
**360°
Horizontal**



Easy-to-see Line/Bright Line
●Highly visible green-colored laser, bright and vivid red-colored laser



Direct semiconductor laser
●Direct laser diode stable even under low or high temperature
●Compared to wavelength conversion type, direct type exposes a line with entirely uniform and stable width and strength



Level adjustment tripod adapter
●Easy to turn and finely adjust level when using tripod
●Shinwa's original innovative adapter that allows leveling without adjusting tripod legs



- Carpenter's Squares
- Stainless Steel Rules / Machine Scale
- Aluminum Rules
- Resin Rules / Bamboo Rules
- Squares / Protractors
- Vernier Calipers / Micrometers
- Tape Measures
- Surveying Products
- Scales
- Levels
- Lasers / Optical Equipment
- Inclines / Chalklines / Plumblines
- Circular Saw Guides
- Construction Tools
- Industrial Tools
- Thermometers / Hygrometers / Scales / Measuring Instruments
- Outdoor Products
- Magnifying Glasses
- Drawing Tools
- Magnets

Laser ROBO Neo AR BRIGHT

High Brightness **Full horizontal Accuracy** $\pm 1.5/7.5$ **High Precision** $\pm 1\text{mm}/7.5$ **Dust/Water-proof** **IP54** **For Laser Receiver** **Dual Power Source** **Battery AC**

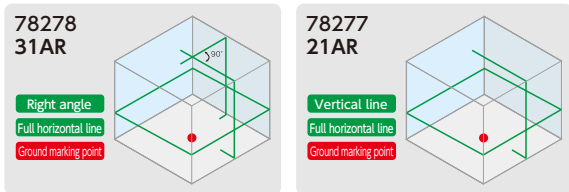
360° Horizontal



Pendulum + magnetic damper



Lineup



●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
78278	Green Neo 31 AR BRIGHT	190×128×128 (body φ110)	1,290	4 960910 782785	1	B
78288	Green Neo 31 AR BRIGHT with Receiver and Tripod	-	-	4 960910 782884		
78277	Green Neo 21 AR BRIGHT	190×128×128 (body φ110)	1,260	4 960910 782778		
78287	Green Neo 21 AR BRIGHT with Receiver and Tripod	-	-	4 960910 782877		

High Brightness **Full horizontal Accuracy** $\pm 1.5/7.5$ **High Precision** $\pm 1\text{mm}/7.5$ **Dust/Water-proof** **IP54** **For Laser Receiver**

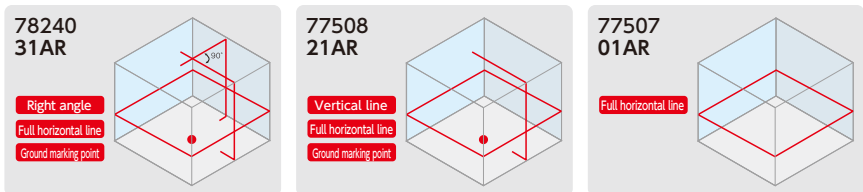
360° Horizontal



Pendulum + magnetic damper



Lineup

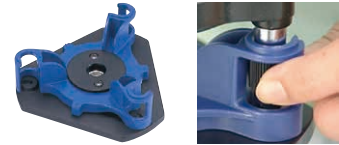
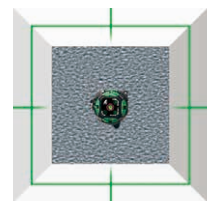


●Parts are listed from p.243

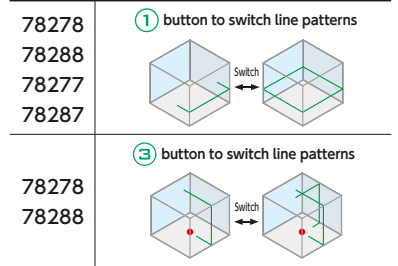
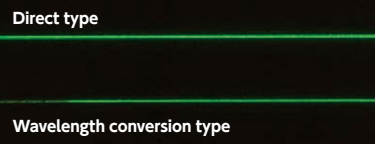
Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
78240	Neo 31 AR BRIGHT	190×128×128 (body φ110)	1,290	4 960910 782402	1	B
78243	Neo 31 AR BRIGHT with Receiver and Tripod	-	-	4 960910 782433		
77508	Neo 21 AR BRIGHT	190×128×128 (body φ110)	1,260	4 960910 775084		
78219	Neo 21 AR BRIGHT with Receiver and Tripod	-	-	4 960910 782198		
77507	Neo 01 AR BRIGHT	190×128×128 (body φ110)	1,190	4 960910 775077		
78218	Neo 01 AR BRIGHT with Receiver and Tripod	-	-	4 960910 782181		

Features

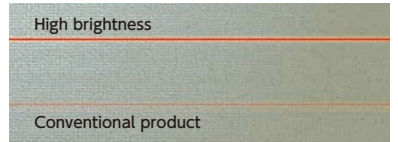
- By irradiating with a full horizontal line, there is no need to rotate the main body, which greatly improves work efficiency
- Includes Level adjustment tripod adapter that makes it easy to adjust level when using a tripod
- Can be adjusted to a precise reference with rotary fine-adjustment knob
- Dustproof, water-resistant construction for use even in dusty environments or during sudden rain
- Laser ROBO Green Neo AR BRIGHT
 - Uses a direct type semiconductor laser which compared to a wavelength conversion type, exposes a line with entirely uniform and stable width and strength



- Direct type
- Wavelength conversion type
- Power consumption can be reduced by changing exposure only to necessary lines (except 21)



- Laser ROBO Neo AR BRIGHT
- Vivid line can easily be seen even in bright worksites



Use

- For all types of referencing

Specifications

- Mentioned on page 130

*Laser depicted is an illustration.

Accessories

- AC adapter (green laser only)
- Laser Glasses (red laser only)
- Level adjustment tripod adapter
- 4x AA Alkaline batteries
- Aluminum case

Receiver and Tripod Set Items

- Laser Receiver II Plus for Laser ROBO Green with Holder (green laser set product)
- Optical Receiver Laser Receiver II Plus with Holder (red laser set product)
- Tripod with Handle Elevator A Lightweight Type

Laser ROBO Neo BRIGHT

High Brightness High Precision $\pm 1\text{mm}/7.5\text{m}$
 Dust/Water-proof **IP54** For Laser Receiver Dual Power Source Battery AC
Do not stare into beam
Maximum Output: 1 mW Frequency: 5.5 kHz Wavelength: 510 ~ 530 nm, 645 ~ 655 nm Class 2 Laser Product JIS C6802: 2018

Pendulum + magnetic damper



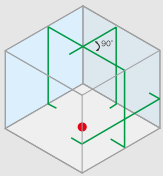
78271



Lineup

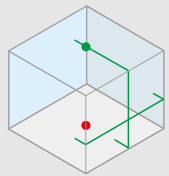
78271
41

- Right angle
- Full vertical line
- Horizontal line
- Ground marking point



78273
21P

- Ceiling marking point
- Vertical line
- Horizontal line
- Ground marking point



●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
78271	Green Neo 41 BRIGHT	180×128×128 (body φ94)	1,210	4 960910 782716	1	B
78291	Green Neo 41 BRIGHT with Receiver and Tripod	-	-	4 960910 782914	1	B
78273	Green Neo 21P BRIGHT	180×128×128 (body φ94)	1,195	4 960910 782730	1	B
78283	Green Neo 21P BRIGHT with Receiver and Tripod	-	-	4 960910 782839	1	B

High Brightness High Precision $\pm 1\text{mm}/7.5\text{m}$
 Dust/Water-proof **IP54** For Laser Receiver **Do not stare into beam**
Maximum Output: 1 mW Frequency: 5.5 kHz Wavelength: 630 ~ 640 nm, 645 ~ 655 nm Class 2 Laser Product JIS C6802: 2018

Pendulum + magnetic damper



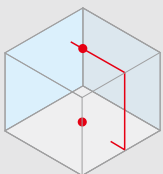
77389



Lineup

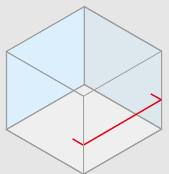
77389
11P

- Ceiling marking point
- Vertical line
- Ground marking point



77388
01

- Horizontal line



●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
77389	Neo 11P BRIGHT	180×128×128 (body φ94)	1,150	4 960910 773899	1	B
77388	Neo 01 BRIGHT	180×128×128 (body φ94)	1,140	4 960910 773882	1	B

Features

- Includes Level adjustment tripod adapter that makes it easy to adjust level when using a tripod

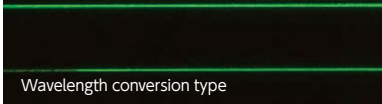


- Can be adjusted to a precise reference with rotary fine-adjustment knob capable of 360° rotation
- Dustproof, water-resistant construction for use even in dusty environments or during sudden rain

Laser ROBO Green Neo BRIGHT

- Uses a direct type semiconductor laser which compared to a wavelength conversion type, exposes a line with entirely uniform and stable width and strength

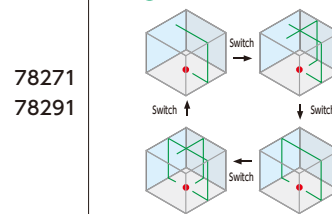
Direct type



Wavelength conversion type

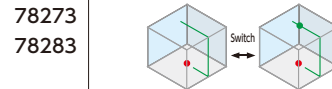
- Power consumption can be reduced by changing exposure only to necessary lines

③ button to switch line patterns



78271
78291

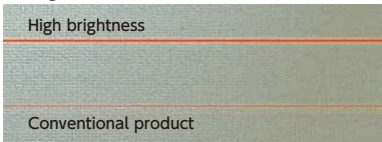
③ button to switch line patterns



78273
78283

Laser ROBO Neo BRIGHT

- Vivid line can easily be seen even on bright worksites



High brightness

Conventional product

Use

- For all types of referencing

Specifications

- Mentioned on page 130

*Laser depicted is an illustration.

Accessories



Receiver and Tripod Set Items



Laser Receiver II Plus

Dust / Water-proof IP56



71500

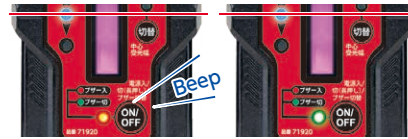


71501



71920

● Confirm power-on/off with LED light



Alarm is on (red)

Alarm is off (green)

● Can be attached to a pillar, etc. using the included holder

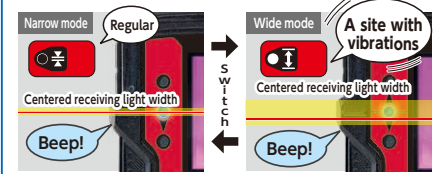


● Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
71500	Plus with Holder	150×67×34	190	4 960910 715004	1	B
71501	Plus for Laser ROBO Green with Holder	150×67×34	190	4 960910 715011		
71920	Plus for High-output Red with Holder	150×67×34	190	4 960910 719200		

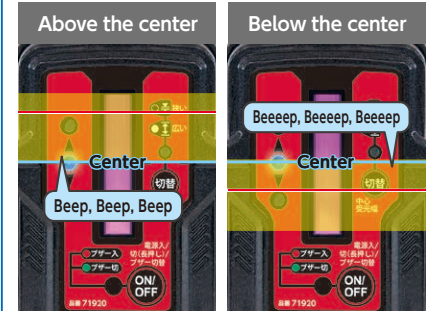
Features

● Uses narrow mode during regular operation, and can be switched to wide mode for use on a site with vibrations



(Centered receiving light width is just an illustration.)

● The alarm sound will be different when higher or lower than the center, so the position of the laser line can be understood by hearing the sound



(Alarm can also be turned off when not needed.)

● Dust/Waterproof structure IP56

Use

● For marking on bright worksites and places where the laser line can be hard to see

Specifications

Receiving Distance	1.5 - 20 m*1
Centered Receiving Light Width*2	Narrow mode: Within 1.0 mm from the centered receiving light line Wide mode: Within 2.0 mm from the centered receiving light line
Auto Power Off	Power automatically turns off 7 minutes after turning on*3
Power Source	1x 9V battery (Battery included is for trial use only and may not last as long)
Battery Usage Alarm	Power LED blinks
Continuous Usage Time	About 20 hrs
Dustproof, Waterproof	IP56*4
Accessories	Holder, 1x 9V battery

*1 Receiving distance upper limit of 20 m is a reference value. Receiving over a farther distance depends on circumstance and position of use.
 *2 Depends on circumstance and position of use
 *3 Can continue to receive laser light even without operation.
 *4 Dustproof performance: A small amount of dust that has penetrated inside will not hinder normal operation. Waterproof performance: It will not be harmfully affected by a powerful jet water from any direction.

Compatible models (Cannot be used for models not listed below)

○: Available —: Not available

Laser Receiver II Plus	Laser ROBO	X line Green Series Green Laser	X line Red Series Red Laser	Neo E Sensor Green Series Green Laser	Neo E Sensor Series Red Laser	LEXIA AR Green Series Green Laser	LEXIA AR Red Series Red Laser	LEXIA Green Series Green Laser	LEXIA Red Series Red Laser	Neo BRIGHT Green Series Green Laser	Neo BRIGHT Series Red Laser
	71500 with Holder Red laser only	—	—	○*1	—	○	—	—	—	—	—
71501 for Laser ROBO Green with Holder Green laser only	○	—	—	○	—	○*2	—	○*2	—	○	—
71920 for High-output Red with Holder Red laser only	—	—	○	—	—	—	○*2	—	○*2	—	—

*1 May not be usable depending on the working environment and measurement position.

*2 When using the receiver, set the laser brightness to "medium".

Specifications Laser ROBO
X line series



Item Code	71610	71609	71608	71607
Type	X line-E Green	X line-E Red	X line Green	X line Red
Light Source	Visible light semiconductor laser			
Output	Less than 1 mW (Class2 JIS C6802: 2018)	Less than 2 mW (Class2M JIS C6802: 2018)	Less than 1 mW (Class2 JIS C6802: 2018)	Less than 2 mW (Class2M JIS C6802: 2018)
Wave Length	510 - 530 nm	635 - 643 nm	510 - 530 nm	635 - 643 nm
Display Accuracy	±1.5 mm per 7.5 m			
Plumbpoint Accuracy	±1 mm per 3 m			
Vertical Accuracy	90°±0.03°			
Base Line Accuracy	±1.5 mm per 7.5 m			
Line Diameter	About 2 mm per 5 m (about 3 mm per 7.5 m)			
Automatic Correction Range	±4°		±3°	
Tilt Alarm	Laser light blinks when it gets over automatic correction range (about a 1-second interval)			
Rotary Fine-Adjustment Range	360°			
Braking System	Electronic level sensor + motor		Pendulum + magnetic damper	
Power Source*1	4x AA Alkaline batteries or AC adapter			
Continuous Usage Time*2 *3 (1): 1 line*4 (2): 2 lines (3): 3 lines	(1) About 10 hrs (2) About 4 hrs (3) About 2 hrs	(1) About 14.5 hrs (2) About 6.5 hrs (3) About 3 hrs	(1) About 10.5 hrs (2) About 4.5 hrs (3) About 2 hrs	(1) About 17 hrs (2) About 8 hrs (3) About 4.5 hrs
Batty Usage Alarm	Power lamp blinks during use and laser light blinks for approximately 8 seconds when the power is ON (at approximately 0.5-second intervals). When battery is nearly depleted, the device will no longer do leveling automatically and laser light blinks for about 1-second intervals.		Power lamp blinks during use and laser light blinks for approximately 8 seconds when the power is ON (at approximately 0.5-second intervals). When multiple laser lines are irradiated and battery consumption continues, the device will automatically switch to irradiating only a horizontal line.	
Dustproof/Waterproof*5	IP54 (when with battery)			
TriPod Screw	W 5/8 inch			
Compatible receiver	Laser Receiver II Plus for Laser ROBO Green with Holder	Laser Receiver II Plus for High-output Red with Holder	Laser Receiver II Plus for Laser ROBO Green with Holder	Laser Receiver II Plus for High-output Red with Holder

*1 AA Ni-MH rechargeable batteries can also be used, but will not be recharged with the AC adapter. *2 When using for a long time at about 20°C, we recommend using the AC adapter instead of AA alkaline batteries. *3 This is based on the number of lines, so continuous usage time is the same with any combination. *4 When the power switch is turned ON, a horizontal line will be automatically irradiated. *5 Dustproof performance: Prevents dust from penetrating inside the device. A small amount of dust that has penetrated inside will not hinder normal operation. Waterproof: Protected from water spray from any direction.

Specifications Laser ROBO
Neo E Sensor series



Item Code	71606	71605	71603	71602	71506	71505	71503	71502
Type	Green 51AR	Green 51	Green 31	Green 21	Neo 51AR	Neo 51	Neo 31	Neo 21
Light Source	Visible light semiconductor laser							
Output	Less than 1 mW (JIS class 2 C6802: 2018)							
Wave Length	510 - 530 nm(Green), Ground marking point 645 - 655 nm(Red)				630 - 640 nm, Ground marking point 645 - 655 nm			
Display Accuracy	Vertical: ±1 mm per 7.5 m Horizontal: ±1.5 mm per 7.5 m				Vertical: ±1 mm per 7.5 m Horizontal: ±1.5 mm per 7.5 m			
Plumb Point Accuracy	±1 mm per 3 m				±1 mm per 3 m			
Vertical Accuracy	90°±0.03°				90°±0.03°			
Base Line Accuracy	±1 mm per 7.5 m				±1 mm per 7.5 m			
Angle of Emergence	Vertical: About 120° Horizontal: About 100° (Front 115°)		Vertical: About 120° Horizontal: About 115°		Vertical: About 120° Horizontal: About 100° (Front 115°)		Vertical: About 120° Horizontal: About 115°	
Line Diameter	About 1.8 mm at 5 m ahead (about 2 mm at 7.5 m ahead)				About 1.5 mm at 5 m ahead (about 2 mm at 7.5 m ahead)			
Automatic Correction Range	±3°							
Tilt Alarm	Laser light blinks when it gets over automatic correction range (about a 1-second interval)							
Rotary Fine-Adjustment Range	360°							
Braking System	Electronic level sensor + motor							
Power Source*1	4x AA Alkaline batteries or AC adapter							
Continuous Usage Time *2 (1): ①Mode (2): ②Mode (F): All Lines Mode *5 (3): ③Mode	①Front Horizontal Line: 35 hrs*3 Full Horizontal Line: 7.5 hrs ②12 hrs(F) 2 hrs ③Vertical Line+Ground Marking Point: 24 hrs Right Angle+Ground Marking Point: 12 hrs Full Vertical Line+Ground Marking Point: 12 hrs Full Vertical Lines+Ground Marking Point: 5.5 hrs	①Front Horizontal Line: 35 hrs*4 ②12 hrs (F) 4.5 hrs ③Vertical Line+Ground Marking Point: 24 hrs Right Angle+Ground Marking Point: 12 hrs Full Vertical Line+Ground Marking Point: 12 hrs Full Vertical Lines+Ground Marking Point: 5.5 hrs	①Front Horizontal Line: 35 hrs*4 ②12 hrs (F) 9 hrs ③Vertical Line+Ground Marking Point: 24 hrs Right Angle+Ground Marking Point: 12 hrs	①35 hrs*4 ②12 hrs ③Vertical Line+Ground Marking Point: 24 hrs	① 22 hrs *3 ② 11 hrs ③(F) 3.5 hrs ④ 9 hrs	① 44.5 hrs *4 ② 22 hrs ③(F) 7.5 hrs ④ 9 hrs	① 44.5 hrs *4 ② 22 hrs ③(F) 14 hrs ④ 22 hrs	① 44.5 hrs *4 ② 22 hrs ③ 35.5 hrs
Battery Usage Alarm	Power lamp flashes during use, laser light blinks for 8 secs. When turned on (at 0.5 sec. intervals), or when battery is nearly depleted, the device no longer does automatic leveling and laser light blinks for about 1 sec. intervals.							
Dustproof/Waterproof*6	IP54 (when with battery)							
Tripod Screw	W 5/8 inch							
Compatible receiver	Laser Receiver II Plus for Laser ROBO Green with Holder				Laser Receiver II Plus with Holder			

*1 AA Ni-MH rechargeable batteries can also be used, but will not be recharged with the AC adapter. *2 When using AA alkaline batteries at 20°C. *3 With the AR Series, turning the power switch ON automatically goes into ① mode's full horizontal line. *4 Turning the power switch ON automatically goes into ① mode. *5 Hold down the ② button to turn on all the lines. Using an AC adapter is recommended when using full lines over a long period of time. *6 Dustproof performance: Prevents dust from penetrating inside the device. A small amount of dust that has penetrated inside will not hinder normal operation. Waterproof: Protected from water spray from any direction.

Carpenter's Squares
Stainless Steel Rules / Machine Scale
Aluminum Rules
Resin Rules / Bamboo Rules
Squares / Protractors
Vernier Calipers / Micrometers
Tape Measures
Surveying Products
Scales
Levels
Lasers / Optical Equipment
Inclines / Chalklines / Plumbholders
Circular Saw Guides
Construction Tools
Industrial Tools
Thermometers / Hygrometers / Scientific Measuring Instruments
Outdoor Products
Magnifying Glasses
Drawing Tools
Magnets

Specifications

Laser ROBO LEXIA AR Series



Item Code	70865	70863	70862	70860	70905	70903	70902	70900
Type	51AR Green	31AR Green	21AR Green	01AR Green	51AR Red	31AR Red	21AR Red	01AR Red
Light Source	Visible light semiconductor laser							
Output	Less than 1 mW (Class2 JIS C6802: 2018)							
Wave Length	515 - 530 nm(Green), Ground marking point 645 - 655 nm(Red)			515 - 530 nm	630 - 645 nm, Ground marking point 645 - 655 nm			630 - 645 nm
Display Accuracy	Vertical: ±1 mm per 7.5 m Horizontal Circumference: ±1.5 mm per 7.5 m		±1.5 mm per 7.5 m		Vertical: ±1 mm per 7.5 m Horizontal Circumference: ±1.5 mm per 7.5 m		±1.5 mm per 7.5 m	
Plumb Point Accuracy	±1 mm per 3 m		-		±1 mm per 3 m		-	
Vertical Accuracy	90°±0.03°		-		90°±0.03°		-	
Base Line Accuracy	±1 mm per 7.5 m		-		±1 mm per 7.5 m		-	
Angle of Emergence	Vertical: About 130° Horizontal: About 360°		Horizontal: About 360°		Vertical: About 130° Horizontal: About 360°		Horizontal: About 360°	
Line Diameter (3 brightness levels)	5 m		Weak: About 1.5 mm/Medium: About 1.8 mm/ Strong: About 2 mm					
	7.5 m		Weak: About 2 mm/Medium: About 2.5 mm/ Strong: About 3 mm					
Automatic Correction Range	±3°							
Tilt Alarm*1	Laser light blinks when it gets over automatic correction range (about a 1-second interval)							
Rotary Fine-Adjustment Range	360°							
Braking System	Pendulum + Magnetic damper							
Power Source	Lithium-ion battery (repeated charging with USB Type-C)							
Battery capacity	1,600mAh				3,200mAh			
Continuous Usage Time	(H) Mode (medium)				15 hrs			
	All lines mode (medium)				30 hrs			
	3.5 hrs	5 hrs	6 hrs	15 hrs	7.5 hrs	13 hrs	15 hrs	30 hrs
Battery Usage Alarm	Low battery warning lamp blinks during use							
Dustproof/Waterproof*3	IP54							
Tripod Screw	W 5/8 inch							
Compatible receiver	Laser Receiver II Plus for Laser ROBO Green with Holder				Laser Receiver II Plus for High-output Red with Holder			

*1 The laser line(s) will blink and will stop when within automatic correction range again. *2 When used in a 20°C environment. Also varies depending on usage environment and number of times the battery is charged. Continuous use time in weak mode is about 200% of medium mode; in strong mode it's about 70% of medium mode. *3 Dustproof performance: Prevents dust from penetrating inside the device. A small amount of dust that has penetrated inside will not hinder normal operation. Waterproof: Protected from water spray from any direction.

Specifications

Laser ROBO LEXIA Series



Item Code	70845	70844	70843	70842	70841	70935	70934	70933	70932	70931
Type	51 Green	41 Green	31 Green	21P Green	21 Green	51 Red	41 Red	31 Red	21P Red	21 Red
Light Source	Visible light semiconductor laser									
Output	Less than 1 mW (Class2 JIS C6802: 2018)									
Wave Length	515 - 530 nm(Green), Ground marking point 645 - 655 nm(Red), Ceiling marking point 515 - 530 nm (Green, 21P only)					630 - 645 nm, Ground marking point 645 - 655 nm, Ceiling marking point 645 - 655 nm (21P only)				
Display Accuracy	Vertical/Horizontal Line ±1 mm per 7.5 m									
Plumb Point Accuracy	±1 mm per 3 m			-			±1 mm per 3 m			-
Vertical Accuracy	90°±0.03°			-			90°±0.03°			-
Base Line Accuracy	±1 mm per 7.5 m			-			±1 mm per 7.5 m			-
Angle of Emergence	Vertical: About 130°					Horizontal: About 120°				
Line Diameter (3 brightness levels)	5 m		Weak: About 1.5 mm/Medium: About 1.8 mm/ Strong: About 2 mm							
	7.5 m		Weak: About 2 mm/Medium: About 2.5 mm/ Strong: About 3 mm							
Automatic Correction Range	±3°									
Tilt Alarm*1	Laser light blinks when it gets over automatic correction range (about a 1-second interval)									
Rotary Fine-Adjustment Range	360°									
Braking System	Pendulum + Magnetic damper									
Power Source	Lithium-ion battery (repeated charging with USB Type-C)									
Battery capacity	1,600mAh					3,200mAh				
Continuous Usage Time	(H) Mode (medium)					21 hrs				
	All lines mode (medium)					40 hrs				
	3.5 hrs	4.5 hrs	5.5 hrs	7 hrs	8.5hrs	7.5 hrs	9 hrs	13 hrs	15 hrs	17 hrs
Battery Usage Alarm	Low battery warning lamp blinks during use									
Dustproof/Waterproof*3	IP54									
Tripod Screw	W 5/8 inch									
Compatible receiver	Laser Receiver II Plus for Laser ROBO Green with Holder					Laser Receiver II Plus for High-output Red with Holder				

*1 The laser line(s) will blink and will stop when within automatic correction range again. *2 When used in a 20°C environment. Also varies depending on usage environment and number of times the battery is charged. Continuous use time in weak mode is about 200% of medium mode; in strong mode it's about 70% of medium mode. *3 Dustproof performance: Prevents dust from penetrating inside the device. A small amount of dust that has penetrated inside will not hinder normal operation. Waterproof: Protected from water spray from any direction.

Specifications Laser ROBO
Neo AR BRIGHT Series



Item Code	78278	78277	78240	77508	77507
Type	Green 31AR	Green 21AR	31AR	21AR	01AR
Light Source	Visible light semiconductor laser				
Output	Less than 1 mW (Class2 JIS C6802: 2018)				
Wave Length	510 - 530 nm(Green), Ground marking point 645 - 655 nm(Red)		630 - 640 nm, Ground marking point 645 - 655 nm		630 - 640 nm
Display Accuracy	Vertical: ±1 mm per 7.5 m Horizontal Circumference: ±1.5 mm per 7.5 m				±1.5 mm per 7.5 m
Plumb Point Accuracy	±1 mm per 3 m	—	±1 mm per 3 m	—	
Vertical Accuracy	90°±0.03°	—	90°±0.03°	—	
Angle of Emergence	Vertical: About 130° Horizontal: About 105° (360°when irradiated horizontal fully)			Vertical: About 360°	
Line Diameter	About 1.8 mm at 5 m ahead (about 2 mm at 7.5 m ahead)		About 1.5 mm at 5 m ahead (about 2 mm at 7.5 m ahead)		
Automatic Correction Range	±2.5°				
Tilt Alarm	Laser light blinks when it gets over automatic correction range (about a 1-second interval)*1				
Rotary Fine-Adjustment Range	360°				
Braking System	Pendulum + Magnetic damper				
Power Source	4x AA Alkaline batteries or AC adapter *2		4x AA Alkaline batteries		
Continuous Usage Time *3	(1)Front Horizontal Line: 27 hrs Full Horizontal Line: 7 hrs*4 (2) 11 hrs (F) 3.5 hrs (3)Right Angle+Ground Marking Point:11 hrs	(1)Front Horizontal Line: 27 hrs Full Horizontal Line: 7 hrs*4 (2) 11 hrs (F) 4 hrs (3)Vertical Line+Ground Marking Point:19 hrs	(1) 13 hrs (2) 17.5 hrs (F) 5.5 hrs (3) 24 hrs	(1) 13 hrs (2) 17.5 hrs (F) 6.5 hrs (3) 32 hrs	(1) 13 hrs
Battery Usage Alarm	Laser light blinks for 8 secs. when turned on. (about 0.5-second intervals)				
Dustproof/Waterproof*6	IP54 (when with battery)		IP54		
Tripod Screw	W 5/8 inch				
Compatible receiver	Laser Receiver II Plus for Laser ROBO Green with Holder		Laser Receiver II Plus with Holder		

*1 All of the lines will turn off, and only the horizontal line will blink. Return to automatic correction range and it will return to the previous state. *2 AA Ni-MH rechargeable batteries can also be used, but will not be recharged with the AC adapter. *3 When using AA alkaline batteries at 20°C. *4 Turning the power switch ON automatically goes into ① mode's full horizontal line. *5 Hold down the ③ button to turn on all the lines. Using an AC adapter is recommended when using full lines over a long period of time. (78279/78278/78277) *6 Dustproof performance: Prevents dust from penetrating inside the device. A small amount of dust that has penetrated inside will not hinder normal operation. Waterproof: Protected from water spray from any direction.

Specifications Laser ROBO
Neo BRIGHT Series



Item Code	78271	78273	77389	77388
Type	Green 41	Green 21P	11P	01
Light Source	Visible light semiconductor laser			
Output	Less than 1 mW (Class2 JIS C6802: 2018)			
Wave Length	510 - 530 nm(Green), Ground marking point 645 - 655 nm(Red)		630 - 640 nm, Ground marking point 645 - 655 nm	
Display Accuracy	Vertical/Horizontal Line ±1 mm per 7.5 m		Vertical : ±1 mm per 7.5 m	Horizontal Circumference : ±1 mm per 7.5 m
Plumb Point Accuracy	±1 mm per 3 m			
Vertical Accuracy	90°±0.03°	—		
Base Line Accuracy	±1 mm per 7.5 m	—		
Angle of Emergence	Vertical: About 130°	Horizontal: About 120°	Vertical: About 130°	Horizontal: About 120°
Line Diameter	About 1.8 mm at 5 m ahead (about 2 mm at 7.5 m ahead)		About 1.5 mm at 5 m ahead (about 2 mm at 7.5 m ahead)	
Automatic Correction Range	±2.5°			
Tilt Alarm	Laser light blinks when it gets over automatic correction range (about a 1-second interval)*1			
Rotary Fine-Adjustment Range	360°			
Braking System	Pendulum + Magnetic damper			
Power Source	4x AA Alkaline batteries or AC adapter *2		4x AA Alkaline batteries	
Continuous Usage Time *3	(1) 27 hrs (2) 11 hrs (F) 4.5 hrs (3) Full Vertical Lines + Ground Marking Point: 7 hrs	(1) 27 hrs (2) 11 hrs (F) 7 hrs (3) Vertical Line+Ceiling Marking Point+ Ground Marking Point: 11 hrs	(1) 37 hrs	(1) 58 hrs
Battery Usage Alarm	Laser light blinks for 8 secs. when turned on. (about 0.5-second intervals)			
Dustproof/Waterproof*5	IP54 (when with battery)		IP54	
Tripod Screw	W 5/8 inch			
Compatible receiver	Laser Receiver II Plus for Laser ROBO Green with Holder		Laser Receiver II Plus with Holder	

*1 All of the lines will turn off, and only the horizontal line will blink. Return to automatic correction range and it will return to the previous state. *2 AA Ni-MH rechargeable batteries can also be used, but will not be recharged with the AC adapter. *3 When using AA alkaline batteries at 20°C. *4 Hold down the ③ button to turn on all the lines. Using an AC adapter is recommended when using full lines over a long period of time. (78271/78273) *5 Dustproof performance: Prevents dust from penetrating inside the device. A small amount of dust that has penetrated inside will not hinder normal operation. Waterproof: Protected from water spray from any direction.

Carpenter's Squares
Stainless Steel Rules/ Machine Scale
Aluminum Rules
Resin Rules/ Bamboo Rules
Squares/ Protractors
Vernier Calipers/ Micrometers
Tape Measures
Surveying Products
Scales
Levels
Lasers/ Optical Equipment
Inclines/ Chalklines/ Plumblines
Circular Saw Guides
Construction Tools
Industrial Tools
Thermometers/ Hygrometers/ Scales/ Measuring Instruments
Outdoor Products
Magnifying Glasses
Drawing Tools
Magnets

Laser Safety Glasses

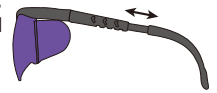


76793

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
76793	Laser Safety Glasses	150×55×60	32	4 960910 767935	5	C

Features

- Red laser light is easier to see
- Adjustable size as temples expand and contract in 4 levels
- With cord to prevent dropping



Use

- Red laser light can be spotted even in a bright environment

Specifications

Material	Polycarbonate resin
Compatible Models (Only red)	X line series, LEXIA series, Neo E Sensor series, Neo BRIGHT series

Laser Holder for Light Weight Steel Framing



76923

●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
76923	with Rising/Lowering Motion	125×180×170	920	4 960910 769236	1	B

Features

- Improves workability with fine-adjustment of 40 mm up and down
- Using together with Level adjustment tripod adapter makes it easy to adjust level when using Laser Holder for Lightweight Steel Framing

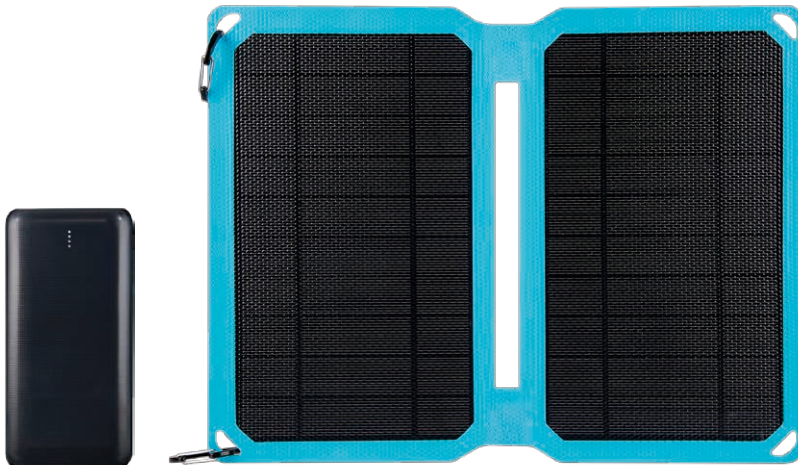
Use

- For base material leveling and adjusting height with laser line generator in lightweight steel framing

Specifications

Material	Body: Aluminum Fixing Screw for Laser products: Brass Fixing Screw for Holder: Iron Top Plate/Bottom Plate/Moveable Knob : Polyacetal resin
Attachable Post Width	40 - 120 mm
Installation Screw	W 5/8 inch
Compatible Models	X line Series LEXIA Series Neo E Sensor Series Neo BRIGHT Series

Mobile Battery NEW



78370

- Large 8,000mAh capacity can fully charge LEXIA series twice

Laser ROBO LEXIA Series Usable time*
 Red: Approx. 5 hours x 2 times
 Green: Approx. 3 hours x 2 times

*With full line irradiation

- Comes with carabiner for hanging on a fence or bag on site



- Comes with storage case



Features

- Can fully charge in about 8 hours* using the solar panel



*At maximum efficiency in sunny weather and direct sunlight

- A full charge can charge two Laser Robo LEXIA units with built-in lithium-ion batteries
- Use the solar panel to charge when outdoors or where power is not available

Use

- For charging the Laser Robo LEXIA series
- As a spare battery for Laser Robo with a built-in lithium-ion

Specifications

■ Mobile Battery

Power Source	Lithium-ion battery
Rated capacity	8,000mAh
Rated input voltage/current	5V/2.1A
Rated output voltage/current	USB Type-A port 1: 5V/1A USB Type-A port 2, USB Type-C port: 5V/2.1A
Charging time	Approx. 8 hours (when using solar panel)
Operating Temperature	0 - 40°C
Material	ABS resin
Body Size	138 × 69 × 17 mm
Weight	220 g
Accessories	USB cable (1m), storage case

■ Solar Panel

Material	Monocrystalline silicon solar cell
Body Size	325 × 251 × 14 mm (when expanded)
Weight	300 g
Accessories	2 carabiners

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
78370	with Solar Panel	-	-	4 960910 783706	1	B

Laser ROBO Unevenness Checker Green

High Brightness
 High Precision $\pm 1\text{mm}/7.5\text{m}$
 Dust/Waterproof IP54
 Remote rotation
 Dust Power Source Battery AC
Laser radiation
 Avoid direct eye exposure
 Maximum Output 5 mW Frequency 5.5 kHz
 Wavelength 510 - 530 nm, 645 - 655 nm
 Class 3R Laser Product JIS C6802: 2018

Pendulum + magnetic damper



71621

What is Unevenness?

Unevenness refers to undulations and irregularities on a floor surface, and the unevenness checker is used to check the unevenness in the floor surface, the position of inclination, and the difference in height with numerical values.

Using the conventional level and auto level, 1 person can perform the work usually handled by 2 or more people.



Features

- One person can check the unevenness and inclination of the floor with the laser's reference line and measurement line
- Remote control enables rotation of the main unit remotely
- Bluetooth® remote control will not interfere with unpaired devices
- Highly visible green laser
- Main body and remote control offer IP54-level dustproof and waterproof protection, so there is no risk of malfunction due to dust or water splashes
- Inclination is automatically corrected to $\pm 2.5^\circ$
- Includes an AC adapter for continuous use over a long period



Use

- For checking unevenness and inclination on construction sites and interior finishing

Specifications

■ Unevenness Checker

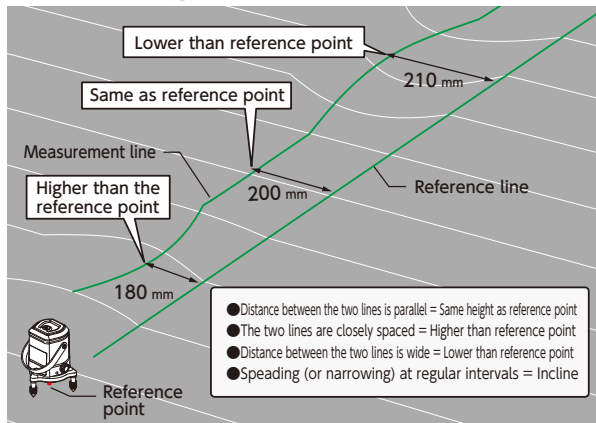
Light Source	Visible light semiconductor laser
Output	Less than 5 mW (class 3R JIS C6802: 2014)
Wave Length	510 - 530 nm (Green) Ground marking point: 645 - 655 nm (Red)
Height Difference Measurement Accuracy	$\pm 1\text{ mm per }7.5\text{ m}$
Guaranteed Accuracy Range	$10\text{ m}^{\ast 1}$
Visible Distance	$0.5 - 20\text{ m}^{\ast 2}$
Line Diameter	Reference line: 1.8 mm at 5m (2 mm at 7.5 m) Measurement line: 3 mm at 5 m (3.5 mm at 7.5 m)
Automatic Correction Range	$\pm 2.5^\circ$
Tilt Alarm	Laser light blinks when it gets over automatic correction range (about a 1-second interval)
Braking System	Pendulum + Magnetic damper
Power Source	4 AA alkaline batteries or AC adapter $\ast 3$
Continuous Usage Time $\ast 4$	5.5 hours
Maximum Range of Line	Laser light blinks for 8 secs. when turned on. (at 0.5-second intervals)
Dustproof/Waterproof	IP54 $\ast 5$ (When with batteries)
Accessories	Aluminum case, 4x AA alkaline batteries (for main body), AC adapter, remote control, 2x AA alkaline batteries (for remote control)

- $\ast 1$ Guaranteed accuracy when measuring and calculating height differences. Longer distances can be measured but accuracy is not guaranteed.
- $\ast 2$ Value for an environment where the light level is approximately 200 lux (seems too dark for detailed work). Varies with the usage environment.
- $\ast 3$ AA nickel-metal hydride rechargeable batteries can be used, but the main unit cannot be charged with the AC adapter.
- $\ast 4$ When using AA alkaline batteries at approximately 20°C .
- $\ast 5$ Dustproof performance: Prevents dust from entering the inside. A small amount of dust that has penetrated inside will not hinder normal operation. Waterproof performance: It will not be harmfully affected by a splash of water from any direction.

■ Remote control

Communication Distance	Up to $20\text{ m}^{\ast 1}$
Auto Power Off	Power automatically turns off 7 minutes after turning on
Power Source	2x AAA Alkaline batteries
Dustproof/Waterproof	IP54 $\ast 2$
Body Size	$42 \times 100 \times 21\text{ mm}$
Weight (including batteries)	About 100g

- $\ast 1$ This is the maximum distance for communication in an unobstructed environment where there is a straight line between the main unit and the LCD monitor.
- $\ast 2$ Dustproof performance: Prevents dust from penetrating inside the device. A small amount of dust that has penetrated inside will not hinder normal operation. Waterproof: Protected from water spray from any direction.



Measurement method for height difference

The height difference from the reference point can be obtained by measuring and calculating the space (interval A) between the reference line and the measurement line.

● Formula

$$\frac{(200 - \text{interval A})}{2} = \text{Floor surface height}$$

● Example

$$\frac{(200 - 210)}{2} = -5$$

When the interval is 210 mm, it's 5 mm lower than the reference point

● Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
71621	Motorized Rotary Mechanism	182x120x128	About 1,350 (including batteries)	4 960910 716216	1	

Auto Level



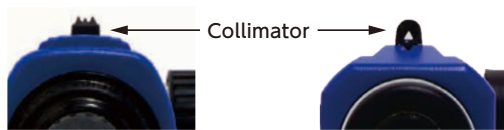
Magnification 32x Waterproof IPX4 77055



Magnification 28x Waterproof IPX4 76901



Magnification 24x Waterproof IPX4 76653



77055

76901, 76653

● Parts are listed from p.243

Features

- Waterproof structure (IPX4)
- Comes with a domed-head tripod
- Equipped with a collimator to easily find the target

Use

- For leveling in construction work

Specifications

Item Code	77055	76901	76653
Standard Deviation (km)	$\pm 1.0\text{ mm}$	$\pm 1.5\text{ mm}$	$\pm 2.0\text{ mm}$
Telescope	Correct image		
Magnification	32X	28X	24X
Effective Diameter	40 mm	30 mm	
Field Angle	$1^\circ 30'$	$1^\circ 20'$	
Shortest Focus Distance	0.5 m	0.6 m	
Stadia Multiplier	100		
Stadia Addend	0		
Sensitivity of Vial	$8/2\text{ mm}$		
Minimum Horizontal Measurement	1'		
Auto Leveling System	Magnet damper		
Auto Leveling Range	$\pm 15^\circ$		
Repeat Precision	$0.3''$	$0.5''$	
Tripod Screw	W 5/8 inch		
Bottom Plate Type	Plane/ spherical		
Waterproof	IPX4*		
Accessories	Plumb bob, hexagonal wrench, correction needle, Tripod Spherical Head, carrying case		

*IPX4 Waterproof: Protected from water splash from any direction

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
77055	SA-32A with Tripod	209x130x142	1,308	4 960910 770553	1	
76901	SA-28A with Tripod	208x130x135	1,247	4 960910 769014		
76653	SA-24A with Tripod	208x130x135	1,241	4 960910 766532		

Laser Range Finder L-Measure BK



PSC compatible product



Indoor use



78157



78156

Range 30m	Accuracy ±2.0mm	Continuous distance measurement	Area/volume measurement	Pythagoras (2 or 3 points)
Time delay	9mm Character height 9mm	2year 2-year warranty	10/33m Measurement unit switching	10 Memory recall
Changeable reference (2 pts.)	Specific measurement value recording	+- Addition/subtraction	Usable with Tripod	

Range 20m	Accuracy ±3.0mm	Continuous distance measurement		
Time delay	8mm Character height 8mm	2year 2-year warranty		

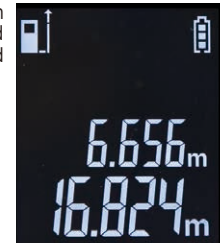


●Parts are listed from p.243

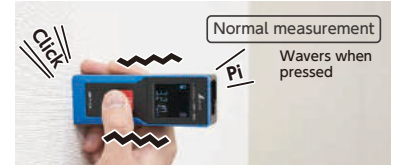
Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
78157	30 with Large Display	122×47×26	120	4 960910 781573	4	SP
78156	20 with Large Display	111×38×24	95	4 960910 781566	4	SP

Features

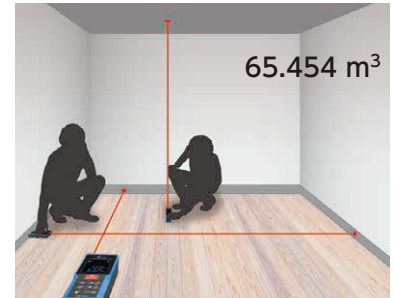
●White characters on a black background make it easy to read even in bright places



●Prevent wavering when pressing the button with time delay measurement



■Laser Range Finder L-Measure BK 30 Large Display
 ●Convenient shaku display function for measuring in carpentry such as finding length of studs or length of baseboards and crown molding
 ●Can measure the area and volume of a room



●Pythagorean measurement enables height measurement of a remote position
 *The Pythagoras measurement result is an estimated value obtained from the actual measured values.
 ●Stable measurement is possible by attaching a tripod adapter to the back of the battery cover and mounting on a tripod



●Can add or subtract measured values
 ■Laser Range Finder L-Measure BK 20 Large display
 ●Compact, lightweight size convenient for carrying
 ●Easy one button operation

Use

●For measuring distance on construction sites and renovation sites



Specifications

●Mentioned on page 134

*Laser depicted is an illustration.

Specifications Laser Range Finder L-Measure BK Series



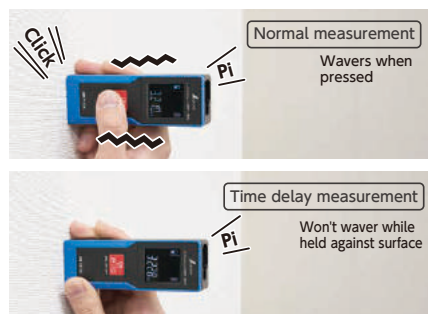
Item Code	78157	78156
Type	L-Measure BK 30	L-Measure BK 20
Measuring Range	0.3 - 30 m	0.3 - 20 m
Accuracy	±2.0 mm*1	±3.0 mm*2
Measurement Value	Metric/Shaku	Metric
Display	Black background, white letters	
Area Measurement	○	—
Volume Measurement	○	—
Changeable Base Point	2 points	—
Pythagoras Measurement	2-point, 3-point	—
Time Delay Measurement	○	○
Specified Measurement Recording	○	○
Addition/Subtraction	○	—
Specified Measurement Recording	○	—
Memory Recall	10 times	—
Character Height	9 mm	8 mm
Backlight	Always on	
Operation Sound On/Off	○	—
Warranty Period	2 years	
Output	Less than 1 mW (JIS class 2 C6802: 2018)	
Wavelength	620 - 690 nm	
Operating Temperature	0 - 40°C	
Storage Temperature	-20 - 70°C	
Dustproof/Waterproof	IP54*3	IP40*4
Power Source*5	2x AAA Alkaline batteries (Batteries included are for trial use only and may not last as long)	
Material	Body: ABS resin, acrylic resin, Elastomer resin	Body: ABS resin, acrylic resin
Auto Power Off*6	Power automatically turns off 3 minutes after turning on	
Tripod Screw	W 1/4 inch*7	—
Accessories	Tripod adapter, battery lid (for tripod adapter), strap, 2x AAA alkaline batteries 	Strap, 2x AAA alkaline batteries 

*1 0.1 - 10 m...±2.0 mm More than 10 m...±2.0±0.05×(D-10) mm (D=measurement distance Unit: m) Measurement conditions
 ①Illuminance of less than 3,000 Lux ②Reflectivity is 90% of white target ③Measurement temperature 25°
 *2 0.1 - 10 m...±3.0 mm More than 10 m...±3.0±0.05×(D-10) mm (D=measurement distance Unit: m) Measurement conditions
 ①Illuminance of less than 3,000 Lux ②Reflectivity is 90% of white target ③Measurement temperature 25°
 *3 Dustproof performance: Prevents dust from entering the inside. A small amount of dust that has penetrated inside will not hinder normal operation. Waterproof performance: It will not be harmfully affected by a splash of water from any direction.
 *4 Dustproof performance: Particles larger than 1.0 mm will not penetrate the device. Waterproof performance: No special protection.
 *5 Approximately 5,000 measurements can be performed when using new alkaline batteries.
 *6 A beep sounds when power automatically turns off. Laser light being emitted turns off after about 30 seconds without operation.
 *7 Can be mounted on a tripod with the included tripod adapter.

Functions

Anti-shake function

Prevent wavering when pressing the button with time delay measurement



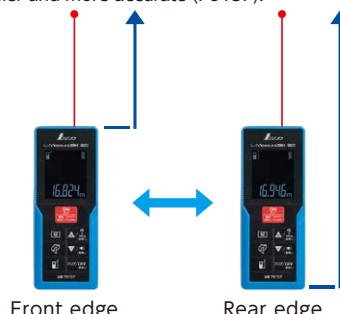
Memory recall

Store in memory only values you want to record, then recall and use later (78157)



Changeable Base Point

The base point can be switched between the front edge and the rear edge, making measurement easier and more accurate (78157).



Carpenter's Squares
 Stainless Steel Rules / Machine Scale
 Aluminum Rules
 Resin Rules / Bamboo Rules
 Squares / Protractors
 Vernier Calipers / Micrometers
 Tape Measures
 Surveying Products
 Scales
 Levels
 Lasers / Optical Equipment
 Inklines / Chalklines / Plumblines
 Circular Saw Guides
 Construction Tools
 Industrial Tools
 Thermometers / Hygrometers / Scales / Weighing Instruments
 Outdoor Products
 Magnifying Glasses
 Drawing Tools
 Magnets

Tripod



●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
76629	A with Handle	655×117×112	1,348	4 960910 766297	1	B
76827	B with Handle	210×75×75	270	4 960910 768277		
76866	C with Handle	585×115×115	1,550	4 960910 768666		
76829	D with Handle	905×145×145	3,100	4 960910 768291		
76676	1.5 m with Handle	931×185×185	5,100	4 960910 766761		
76952	3 m with Handle	1,280×180×180	6,670	4 960910 769526		
77304	Short Model	560×180×180	4,580	4 960910 773042		
76690	Flat Head	1,025×180×180	3,695	4 960910 766907		
76654	Spherical Head	1,040×180×180	3,815	4 960910 766549		

Features

- A with Handle
 - Lightweight, with handle making it convenient for portability
 - Comes with special case
- B with Handle
 - Ground marking point can be exposed
 - Enables low-level marking
 - With vial
 - With storage case
- C with Handle
 - Features a strong design with nearly 1 mm-thick aluminum part, and a handle made of alloy, so it is resistant to breaking from impacts due to drops or falls
- 1.5 m with Handle
 - Height can extend to 350 mm
- 3 m with Handle
 - 2 level elevating model for a height of up to 3 m
- Short Model
 - Easy fine-adjustment with 77304 Short Model adjust up to 30 mm diameter
 - Ground marking point can be exposed



*Cannot irradiate the ground marking point

- With hard tip that can be extended by turning the rubber cover
- With vial
- With storage case

Use

- Find the level in a variety of work sites

Specifications

Item Code	76629	76827	76866	76829
Material	Body: Aluminum, ABS resin			
Elevator Ascent and Descent Range	300 mm	60 mm	320 mm	1,165 mm
Range of Use in Height	630 - 1,710 mm	180 - 400 mm	530 - 1,600 mm	825 - 2,940 mm
Ground Marking Point Exposure	—	○	—	—
Installation Screw	W 5/8 inch			

Item Code	76676	76952	77304
Material	Body: Aluminum, iron		
Elevator Ascent and Descent Range	350 mm	1,160 mm	285 mm
Range of Use in Height	710 - 1,500 mm	1,060 - 3,000 mm	535 - 920 mm
Ground Marking Point Exposure	—	—	○
Installation Screw	W 5/8 inch		

Item Code	76690	76654
Material	Body: Aluminum, iron	
Elevator Ascent and Descent Range	—	
Range of Use in Height	930 - 1,560 mm	
Ground Marking Point Exposure	—	
Installation Screw	W 5/8 inch	

*Laser depicted is an illustration.

12. Inklines/ Chalklines/ Plumbholders



Carpenter's Squares
Stainless Steel Rules/ Machine Scales
Aluminum Rules
Resin Rules/ Bamboo Rules
Squares/ Protractors
Vernier Calipers/ Micrometers
Tape Measures
Surveying Products
Scales
Levels
Lasers/ Optical Equipment
Inklines/ Chalklines/ Plumbholders
Circular Saw Guides
Construction Tools
Industrial Tools
Thermometers/ Hygrometers/ Scales/ Measuring Instruments
Outdoor Products
Magnifying Glasses
Drawing Tools
Magnets

Scan here to see videos of various products



Handy Ink Lines Features

	Plus Tough Line	Plus Sharp Line	Plus	SUMIWAZA	Self Stop	Motorized	LITE
	Pro AUTO rewind Jr. AUTO rewind	Pro AUTO rewind Jr. AUTO rewind Jr. HAND rewind	Pro AUTO rewind Jr. AUTO rewind Jr. HAND rewind	AUTO rewind	AUTO rewind	ELECTRIC rewind	Pro AUTO rewind Jr. AUTO rewind Jr. HAND rewind
	▶p.138	▶p.138	▶p.139	▶p.141	▶p.141	▶p.140	▶p.140
	Tear-resistant Thread	Ultra-thin Thread		Large ink tank	Self-stop	Motorized Rewind	Simple Design
	Thread Guide/Thread Holding Guide						
	Locking Drum						
	Usable with Holder						

The Jr. series is a compact version of the Pro series with all of its functions

Features

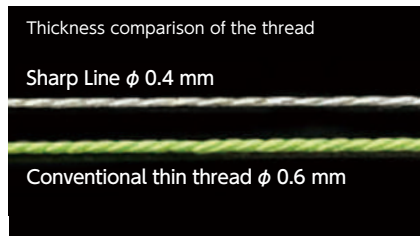
Tear-resistant Thread

Tough thread used in fishing net that is resistant to chafing and hard to break



Ultra-thin Thread

Enables marking of thin lines thanks to ϕ 0.4 mm twisted thread



Large ink tank

Large, sealed tank that is easy to fill



Self-stop

The thread stops where it is pulled out, so even if the anchor pin comes off accidentally, it is safe and will not fly back.



Motorized Rewind

The motor rotates the drum to wind up the ink thread.



Simple Design

Simple design for easy use. Easy to open, sealed tank to prevent ink leakage.



Thread Guide/Thread Holding Guide

The one-touch line guide helps to easily mark up to a corner.



Locking Drum

Easily fasten and release the drum with the switch.



Holder-compatible

Prevents dropping and misplacement; convenient for carrying at work site.



Handy Ink Line Marker Pro/Jr. Plus Tough Line



73287



73289

Uses tough reinforced fiber

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
73287	Pro Plus Auto-rewind Tough Line Metal Red	200×81×40	194	4 960910 732872	6	
73289	Jr. Plus Auto-rewind Tough Line Metal Red	175×70×38	156	4 960910 732896	(36)	

Features

- Tough thread used in fishing net that is resistant to chafing and hard to break
- Thread's water retention ability is high (1.2 times conventional thread), enabling continuous marking of lines without having to re-ink
- Threader is unnecessary since tank lid opens and closes smoothly
- One-touch line guide helps to easily mark up to a corner
- Angled mouth helps to fix thread easily as it reduces strain on the hand when pressing down on it
- "Marking button" that creates a thick, bold line
- Sealed ink tank with rubber gasket prevents leaking
- Compact size, can be carried in a nail pouch
- Can be stored in special holder (sold separately, item code 73286)

Use

- For all types of marking
- For work where threads are easily broken such as with sheet metal or outdoors

Specifications

Item Code	73287	73289
Material	Body: ABS resin, polyacetal resin, silicon rubber, rubber, stainless steel Spring: Stainless steel Anchor Pin: ABS resin, rubber Pin: Spring steel Thread: Nylon Sponge: Cellulose	
Thread	φ0.7 mm × 15 m	φ0.7 mm × 10 m
Ink Capacity	Approx. 15 ml	Approx. 10 ml

Handy Ink Line Marker Pro/Jr. Plus Sharp Line



73297



73298



73299

● Thickness comparison of the thread

Sharp Line φ 0.4 mm

Conventional thin thread φ 0.6 mm

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
73297	Pro Plus Auto-rewind Sharp Line Metal Blue	200×81×40	192	4 960910 732971	6	
73298	Jr. Plus Auto-rewind Sharp Line Metal Blue	175×70×38	154	4 960910 732988	(36)	
73299	Jr. Plus Hand-rewind Sharp Line Metal Blue	162×70×39	107	4 960910 732995		

Features

- Enables marking of thin lines thanks to φ 0.4 mm twisted thread
- Thread has sufficient durability for marking despite thin size
- Threader is unnecessary since tank lid opens and closes smoothly
- One-touch line guide helps to easily mark up to a corner
- Angled mouth helps to fix thread easily as it reduces strain on the hand when pressing down on it
- "Marking button" that creates a thick, bold line
- Sealed ink tank with rubber gasket prevents leaking
- Compact size, can be carried in a nail pouch (73298/73299)
- Folding handle that does not get in the way (73299)
- Can be stored in special holder (sold separately, item code 73286)

Use

- For all types of marking
- For work that requires precision such as interior finishing

Specifications

Item Code	73297	73298	73299
Material	Body: ABS resin, polyacetal resin, silicon rubber, rubber, stainless steel Spring: Stainless steel (73297/73298) Anchor Pin: ABS resin, rubber Pin: Spring steel Thread: Nylon Sponge: Cellulose		
Thread	φ0.4 mm × 20 m	φ0.4 mm × 15 m	φ0.4 mm × 30 m
Ink Capacity	Approx. 15 ml	Approx. 10 ml	

Handy Ink Line Marker Pro Plus

AUTO
rewind
10 m
Thin Thread
20 m



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
73280	Auto-rewind Black	200×81×40	190	4 960910 732803	6 (36)	
73281	Auto-rewind Royal Blue	200×81×40	190	4 960910 732810		
21681	Auto-rewind Royal Blue En	200×81×40	190	4 960910 216815		SP
73290	Auto-rewind Black with Holder	-	-	4 960910 732902	4 (24)	
73291	Auto-rewind Royal Blue with Holder	-	-	4 960910 732919		

Features

- Threader is unnecessary since tank lid opens and closes smoothly
- One-touch line guide helps to mark to a corner easily



- Angled mouth helps to fix thread easily as it reduces strain on the hand when pressing down on it
- "Marking button" that creates a thick, bold line
- Sealed ink tank with rubber gasket prevents leaking
- Can be stored in special holder (sold separately, item code 73286)

Use

- For all types of marking

Specifications

Material	Body: ABS resin, polyacetal resin, silicon rubber, rubber, stainless steel Spring: Stainless steel Anchor Pin: ABS resin, rubber Pin: Spring steel Thread: Nylon Sponge: Cellulose Holder: ABS resin (73290/73291)
Thread	φ0.6 mm × 20 m
Ink Capacity	Approx. 15 ml

Handy Ink Line Marker Jr. Plus

AUTO
rewind
8 m
Thin Thread
15 m



HAND
rewind
30 m



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
73282	Auto-rewind Black	175×70×38	155	4 960910 732827	6 (36)	
73283	Auto-rewind Coral Red	175×70×38	155	4 960910 732834		
73292	Auto-rewind Black with Holder	-	-	4 960910 732926	4 (24)	SP
73293	Auto-rewind Coral Red with Holder	-	-	4 960910 732933		
73284	Hand-rewind Black	160×70×38	110	4 960910 732841	6 (36)	
73285	Hand-rewind Turquoise Blue	160×70×38	110	4 960910 732858		

Features

- Threader is unnecessary since tank lid opens and closes smoothly
- One-touch line guide helps to mark to a corner easily



- Angled mouth helps to fix thread easily as it reduces strain on the hand when pressing down on it
- "Marking button" that creates a thick, bold line
- Compact size, can be carried in a nail pouch
- Sealed ink tank with rubber gasket prevents leaking
- Folding handle (73284/73285)



- Can be stored in special holder (sold separately, item code 73286)

Use

- For all types of marking

Specifications

Item Code	73282	73283	73292	73293
Material	Body: ABS resin, polyacetal resin, silicon rubber, rubber, stainless steel Spring: Stainless steel Anchor Pin: ABS resin, rubber Pin: Spring steel Thread: Nylon Sponge: Cellulose Holder: ABS resin (73292/73293)			
Thread	φ0.6 mm × 15 m			
Ink Capacity	Approx. 10 ml			
Item Code	73284	73285		
Material	Body: ABS resin, polyacetal resin, silicon rubber, rubber, stainless steel Anchor Pin: ABS resin, rubber Pin: Spring steel Thread: Nylon Sponge: Cellulose			
Thread	φ0.6 mm × 30 m			
Ink Capacity	Approx. 10 ml			

Holder

Pro Plus
Jr.Plus
Compatible



73286



Handy Ink Line Marker Pro Plus
shown as example

Features

- Prevents dropping and misplacement; convenient for carrying at work site
- Able to store Pro Plus or Jr. Plus (including Tough Line/Sharp Line) without any spacers by just sliding
- No need to take off belt to attach the holder
- Ink pan prevents contamination of your clothing from leaked ink



Use

- For carrying Ink Line Marker

Specifications

Material	Body: ABS resin
Compatible Models	Handy Ink Line Marker Pro-Jr. Plus, Tough Line Handy Ink Line Marker Pro-Jr. Plus Sharp Line Handy Ink Line Marker Pro-Jr. Plus
Attachable Belt Size	Width within 50 mm, thickness between 2.5 - 5 mm

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
73286	Holder for Handy Ink Line Marker Pro/Jr. Plus	222×66×63	65		6	

Handy Ink Line Marker Pro/Jr. LITE

AUTO
rewind
10 m
Thin Thread
20 m



73300



73301

AUTO
rewind
7.5 m
Thin Thread
15 m



73302



73303

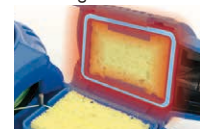
HAND
rewind
30 m
Thin Thread



73307

Features

- Easy-to-use simple design
- Threader is unnecessary since tank opens wide
- Sealed ink tank with rubber gasket prevents leaking



- Each series has been developed with pop colors
- Anchor Pin with rubber gasket prevents ink leaking
- Easy-to-ink thread



- Folding handle (73307)



Use

- For all types of marking

Specifications

Item Code	73300	73301	73302	73303	73307
Material	Body: ABS resin, polyacetal resin, silicon rubber, rubber, stainless steel Spring: Stainless steel (73300/73301/73302/73303) Anchor Pin: ABS resin, rubber Pin: Spring steel Thread: Nylon Sponge: Cellulose				
Thread	φ0.6 mm × 20 m	φ0.6 mm × 15 m	φ0.6 mm × 30 m		
Ink Capacity	Approx. 15 ml		Approx. 10 ml		

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
73300	Pro LITE Auto-rewind Blue	180×82×40	197		6 (36)	
73301	Pro LITE Auto-rewind Red	180×82×40	197			
73302	Jr. LITE Auto-rewind Green	153×71×38	155			
73303	Jr. LITE Auto-rewind Orange	153×71×38	155			
73307	Jr. LITE Hand-rewind Mint Green	153×71×39.5	110			

Motorized Handy Ink Line Marker

ELECTRIC
rewind
Thin Thread
15 m



77480

Internal Structure



Features

- Motor turns drum to rewind thread

Use

- For all types of marking

Specifications

Material	Body: ABS resin, polyacetal resin, silicon rubber, rubber, stainless steel Anchor Pin: ABS resin Pin: Spring steel Thread: Nylon Sponge: Cellulose
Thread	φ0.6 mm × 15 m
Power Source	2x AAA Alkaline batteries (Batteries included are for trial use only and may not last as long)
Ink Capacity	Approx. 10 ml

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
77480	Motorized Black	150×70×40	190		6 (36)	

Handy Ink Line Marker Self-stop



● Compact size



Features

- Trigger starts retraction of thread.
- Will not retract unless the trigger is pulled.
- Even if anchor line comes off accidentally, it is safe and will not fly back.

Use

- For all types of marking

Specifications

Material	Body: ABS resin, polyacetal resin, elastomer resin, rubber, silicon rubber Spring: Stainless steel Anchor Pin: ABS resin Pin: Spring steel Thread: Nylon Sponge: Cellulose
Thread	φ0.6 mm × 10 m
Ink Capacity	Approx. 2.5 ml

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
77450	Auto-rewind Black	130×60×33.5	120	4 960910 774506	6	SP

Handy Ink Line Marker SUMIWAZA



● With large sealed ink tank that is easy to fill



Features

- "Marking button" that releases more ink
- Thread hold guide clicks in every 90°
- 80 ml capacity ink tank
- Threader is set on the back

Use

- For all types of marking

Specifications

Material	Body: ABS resin, polyacetal resin Spring: Stainless steel Anchor Pin: ABS resin, rubber Pin: Spring steel Thread: Nylon Sponge: Cellulose Threader: Polyacetal resin
Thread	φ0.6 mm × 18 m
Ink Capacity	Approx. 80 ml

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
77845	Auto-rewind Brown	226×85×86	280	4 960910 778450	4	SP

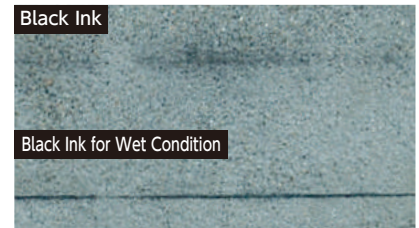
Ink/Disappearing Ink



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
77475	Black 200 ml	150×70×35	265	4 960910 774759	6 (36)	S
77476	Red 200 ml	150×70×35	255	4 960910 774766		
77477	White 200 ml	150×70×35	320	4 960910 774773		
77478	Blue 200 ml	150×70×35	260	4 960910 774780		
77587	Black 200 ml for Wet Condition	150×70×35	285	4 960910 775879		
77588	Red 200 ml for Wet Condition	150×70×35	270	4 960910 775886		
77589	Black 500 ml	200×80×50	610	4 960910 775893	6 (12)	
77837	Black 15 ml 2 pc-pack	56.5×27×18.5	19×2	4 960910 778375	20	BI
77838	Red 15 ml 2 pc-pack	56.5×27×18.5	19×2	4 960910 778382		
77839	White 15 ml 2 pc-pack	56.5×27×18.5	19×2	4 960910 778399		
77649	Disappearing Ink 50 ml	97×35×35	70	4 960910 776494		

Features

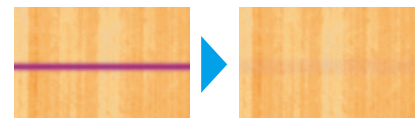
- Ideal for building and construction work
- Wet Condition Black and Red Ink
- Will not run on wet conditions



- 15 ml bottle
- Fully usable size

Disappearing Ink

- Ink disappears immediately after surface is wiped with a wet cloth and dries
- Ink lines disappear naturally in about 2 weeks



*Do not use when the ink must completely disappear

Use

- For marking lines on plasterboard, wooden material, concrete, etc.

Specifications

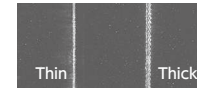
Item Code	77649
Material	Water, glycerin, ethylene glycol, phenolphthalein, etc.

Handy Chalk Line Neo



Features

- Clear body allows you to check for remaining powder and lumps
- Sealed tank prevents powder leaking and humidity entering
- Special yarn holds more chalk powder
- Safety Anchor Pin II for both thick and thin lines (77493/77963/21297)
- Wide opening for easier thread replacement



Thin Thread: Thread diameter 1mm for steel frame, construction, sheet metal work
 Thick Thread: Thread diameter 0.5 mm for building and interior work

Use

- For marking lines with chalk
- *Please use our chalk powder (p.143)

Specifications

Item Code	77493	77494	77963	21297	77964	21299
Material	Body: ABS resin, polyacetal resin (Auto-rewind), silicon rubber Anchor Pin: ABS resin, rubber Pin: Spring steel Thread: Nylon Spring (Auto-rewind): Stainless steel (77493/77963) Metal Hook, Thread Mouth Ring: Stainless steel Felt: Chemical fiber					
Thread	φ1.0 mm × 10 m		φ0.5 mm × 15 m			

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
77493	Auto-rewind Thick Thread Yellow	180×76×45.5	185	4 960910 774933	6 (36)	
77494	Hand-rewind Thick Thread Blue	160×76×45.5	120	4 960910 774940		
77963	Auto-rewind Thin Thread Orange	180×76×45.5	185	4 960910 779631		
21297	Auto-rewind Thin Thread Orange	180×76×45.5	185	4 960910 212978		
77964	Hand-rewind Thin Thread Purple	160×76×45.5	120	4 960910 779648		
21299	Auto-rewind Thin Thread Orange	160×76×45.5	120	4 960910 212992		

Handy Chalk Line



Features

- 5x Speed Hand-rewind
 - 5 times faster rewinding with geared reel
 - Clear body allows you to check for remaining powder and lumps
 - Wide opening tank mouth enables to pour chalk powder directly from bottle
 - The handle lock allows better handling and thread is retracted just by pushing back the handle
 - Special yarn holds 3 times more chalk powder
- Hand-rewind Red
 - Clear body allows you to check for remaining powder and lumps
 - Sealed tank prevents powder leaking and humidity entering

Use

- For marking lines with chalk
- *Please use our chalk powder (p.143)

Specifications

Item Code	77560	77927
Material	Body: ABS resin, polycarbonate resin Anchor: ABS resin, rubber Anchor Needle: Spring steel Thread: Polyester Thread Mouth: Stainless steel Threader: Brass, iron Metal Hook: Stainless steel Felt: Chemical fiber	Body: ABS resin, Anchor: ABS resin, rubber Anchor Needle: Spring steel Thread: Nylon Thread Mouth Ring: Stainless steel Threader: Polyacetal resin
Thread	φ1.0 mm × 20 m	φ0.5 mm × 20 m

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
77560	5x Speed Hand-rewind	165×88×58	162	4 960910 775602	6	
77927	Hand-rewind Red	185×90×40	138	4 960910 779273		

Chalk Line BIG



Features

- Improved work efficiency when marking lines, since the tank can slide along the thread and apply powder without requiring the thread to be wound up
- Attached theader allows thread to pass through even if powder is in the tank. Thread replacement is simple since the drum can be separated from the device without using a tool.
- Wear-resistant and hard-to-cut coarse thread

Use

- Suitable in line drawing for roads, parking lots, etc.
- *Please use our chalk powder (p.143)

Specifications

Material	Body: Polycarbonate resin, ABS resin, brass, stainless steel Tank: Elastomer resin, polypropylene resin, ABS resin, brass Thread: Polyester Threader: Stainless steel, brass, steel Felt: Wool (natural fiber)
Thread	φ3 mm × 50 m

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
77580	Hand-rewind Blue	440×140×95	830	4 960910 775800	3	

Carpenter's Squares
Stainless Steel Rules / Machine Scale
Aluminum Rules
Resin Rules / Bamboo Rules
Squares / Protractors
Vernier Calipers / Micrometers
Tape Measures
Surveying Products
Scales
Levels
Lasers / Optical Equipment
Inclines / Chalklines / Plumbholders
Circular Saw Guides
Construction Tools
Industrial Tools
Thermometers / Hygrometers / Scientific Measuring Instruments
Outdoor Products
Magnifying Glasses
Drawing Tools
Magnets

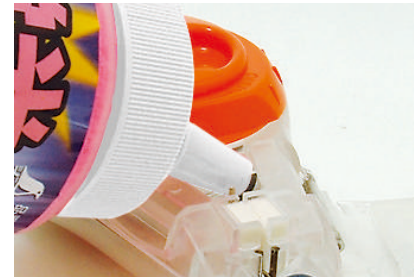
Chalk Powder



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
77938	300 g White	φ66×178	355	4 960910 779389	6 (36)	☑
77935	300 g Yellow	φ66×178	355	4 960910 779358		
77936	300 g Red	φ66×178	355	4 960910 779365		
77937	300 g Blue	φ66×178	355	4 960910 779372		
78029	300 g Pink	φ66×178	355	4 960910 780293		
78030	300 g Green	φ66×178	355	4 960910 780309		
77954	200 g White for Outdoor	φ66×178	255	4 960910 779549	6	☑
77968	500 g White for Outdoor	φ90×223	565	4 960910 779686		
77976	1 kg White for Outdoor	254×124×95	1,100	4 960910 779761	1	
78096	150 g Blue for Outdoor	φ66×178	205	4 960910 780965	6 (36)	
77962	375 g Blue for Outdoor	φ90×223	440	4 960910 779624	6	
77965	750 g Blue for Outdoor	254×124×95	850	4 960910 779655	1	

Features

- Ultra fine powder helps to draw vivid lines
- Angled inlet makes it easy to pour
- Outdoor models with titanium oxide are suitable for wet surfaces



Use

- For marking lines with chalk
- *Do not use if the line needs to be erased completely

Specifications

Item Code	77938			
Material	Calcium carbonate			
Item Code	77935	77937	78029	78030
Material	Calcium carbonate, pigment			
Item Code	77936			
Material	Calcium carbonate, dye			
Item Code	77954	77968	77976	
Material	Calcium carbonate, titanium oxide			
Item Code	78096	77962	77965	
Material	Calcium carbonate, titanium oxide, pigment			

Thread Reel



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
77446	II Auto-rewind Red	110×69×31	90	4 960910 774469	6	SP
77456	II Hand-rewind Green	110×69×31	65	4 960910 774568		

Features

- Thin, lightweight size that fits in the palm of the hand
- Needle and thread replacements are simple since no tools are needed to take apart
- Main body's fixed needles can be stored safely with the needle cover
- Needle cover can be smoothly pushed down with one hand during use
- Since the needle interval is wide, the device is stable when needles are pinned



Use

- For leveling of lintel, finding length of rafter edge, and adjusting height of joist

Specifications

Item Code	77446	77456
Material	Body: ABS resin, polyacetal resin, stainless steel Spring: Stainless steel (77446) Anchor: ABS resin, spring steel, rubber Needle: ABS resin, spring steel Thread: Nylon	
Thread	φ0.6 mm × 15 m	φ0.6 mm × 30 m

Replacement Anchor Pin

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
77453	Anchor Pin 2 pc-pack for Thread Reel II	37×5×9	1	4 960910 774537	15	SP

Replacement Anchor Pin/Hook

Iron: Strong adsorption with neodymium magnet



Wood: Fix with a nail



77486 (One case)



77862

Concrete: A nail can be applied to the mounting hole



77843

- Needle can retract even if anchor pin unexpectedly detaches
- Can use both thick and thin thread

77433

- Elastomer resin absorbs shock to the hand
- Can use commercially available concrete nails (concrete nail #12 x 50 mm)
- Includes 2 replacement nails



77880



77452



77932

Can be hung by driving in a concrete nail

Standard: Standard equipment ○ Compatible —: Incompatible

Item Code	C.D.	Description	Pro Plus Auto-rewind Tough Line	Jr. Plus Auto-rewind Tough Line	Pro Plus Auto-rewind Sharp Line	Jr. Plus Auto-rewind Sharp Line	Jr. Plus Hand-rewind Sharp Line	Pro Plus Auto-rewind	Jr. Plus Auto-rewind	Jr. Plus Hand-rewind	Pro LITE Auto-rewind	Jr. LITE Auto-rewind	Motorized	Self Stop Auto-rewind	SUMIWAZA Auto-rewind	Neo Auto-rewind Orange	Neo Hand-rewind Purple	Neo Auto-rewind Yellow	Neo Hand-rewind Blue	Chalk 5x Speed Hand-rewind	Chalk Hand-rewind	Chalk BIG Hand-rewind	Thread Reel II	Packing Unit
77843	6	Safety Anchor Pin with Magnet	○*	○*	○*	○*	○*	○*	○*	○*	○	○	○	○	○	○	○	○	○	○	○	○	○	10
77433	9	Anchor Pin for Concrete	○*	○*	○*	○*	○*	○*	○*	○*	○	○	○	○	○	○	○	○	○	○	○	○	○	10
77486	5	Safety Anchor Pin II	Standard	Standard	Standard	Standard	○	Standard	Standard	○	○	○	○	Standard	Standard	Standard	○	Standard	○	○	○	○	○	10
77862	7	Anchor Pin Red 3 pc-pack	○*	○*	○*	○*	○*	○*	○*	○*	○	○	○	○	○	○	○	○	○	○	○	○	○	10
77880	1	Anchor Pin Mini Red 3 pc-pack	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	10
77452	0	Anchor Pin Mini Black 3 pc-pack	○	○	○	○	○	Standard	○	Standard	Standard	Standard	Standard	○	○	○	○	○	○	○	○	○	○	10
77932	7	Hook 3 pc-pack for Chalk Line	—	—	—	—	—	—	—	—	—	—	—	—	—	Standard	Standard	Standard	Standard	Standard	Standard	Standard	—	1

*Incompatible with holder use

Replacement Cotton/Sponge/Felt

Standard: Standard equipment ○ Compatible —: Incompatible

Item Code	C.D.	Description	Pro Plus Auto-rewind Tough Line	Jr. Plus Auto-rewind Tough Line	Pro Plus Auto-rewind Sharp Line	Jr. Plus Auto-rewind Sharp Line	Jr. Plus Hand-rewind Sharp Line	Pro Plus Auto-rewind	Jr. Plus Auto-rewind	Jr. Plus Hand-rewind	Pro LITE Auto-rewind	Jr. LITE Auto-rewind	Motorized	Self Stop Auto-rewind	SUMIWAZA Auto-rewind	Neo Auto-rewind Orange	Neo Hand-rewind Purple	Neo Auto-rewind Yellow	Neo Hand-rewind Blue	Chalk 5x Speed Hand-rewind	Chalk Hand-rewind	Chalk BIG Hand-rewind	Thread Reel II	Packing Unit
77484	1	Sponge 3 pc-pack for Ink Line Marker Pro	Standard	—	○	—	—	Standard	—	—	Standard	—	—	—	—	—	—	—	—	—	—	—	—	10
77485	8	Sponge 3 pc-pack for Motorized Ink Line Marker and Jr.	—	Standard	—	Standard	○	—	Standard	Standard	—	Standard	Standard	—	—	—	—	—	—	—	—	—	—	10
77451	3	Sponge 2 pc-pack for Ink Line Marker Self-stop	—	—	—	—	—	—	—	—	—	—	—	Standard	—	—	—	—	—	—	—	—	—	10
77846	7	Sponge 3 pc-pack for Ink Line Marker SUMIWAZA	—	—	—	—	—	—	—	—	—	—	—	—	Standard	—	—	—	—	—	—	—	—	10
77578	7	Felt 4 pc-pack for Chalk Line BIG	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Standard	—	10

*Items included in the set at time of purchase are not sold separately

Replacement Thread

Standard: Standard equipment ○ Compatible —: Incompatible

Item Code	C.D.	Description	Thickness of Thread (mm)	Pro Plus Auto-rewind Tough Line	Jr. Plus Auto-rewind Tough Line	Pro Plus Auto-rewind Sharp Line	Jr. Plus Auto-rewind Sharp Line	Jr. Plus Hand-rewind Sharp Line	Pro Plus Auto-rewind	Jr. Plus Auto-rewind	Jr. Plus Hand-rewind	Pro LITE Auto-rewind	Jr. LITE Auto-rewind	Motorized	Self Stop Auto-rewind	SUMIWAZA Auto-rewind	Neo Auto-rewind Orange	Neo Hand-rewind Purple	Neo Auto-rewind Yellow	Neo Hand-rewind Blue	Chalk 5x Speed Hand-rewind	Chalk Hand-rewind	Chalk BIG Hand-rewind	Thread Reel II	Packing Unit
77594	7	Thread φ0.8 mm x 15 m for Ink Line Marker	φ0.8	○	○	○	○	○	○	○	○	○	○	○	○	○	—	—	—	—	—	—	—	—	10
77864	1	Thread φ0.6 mm x 20 m for Ink Line Marker	φ0.6	○	○	○	○	○	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	—	—	—	—	—	—	—	Standard	10
77879	5	Thread φ0.7 mm x 15 m for Ink Line Marker Tough Line	φ0.7	Standard	Standard	○	○	○	○	○	○	○	○	○	○	○	—	—	—	—	—	—	—	—	10
77882	5	Thread φ0.4 mm x 20 m for Ink Line Marker Sharp Line	φ0.4	○	○	Standard	Standard	Standard	○	○	○	○	○	○	○	○	—	—	—	—	—	—	—	—	10
77562	6	Thread 3x Chalk Retentive φ1.0 mm x 20 m for Chalk Line Marker	φ1.0	—	—	—	—	—	—	—	—	—	—	—	—	—	○	○	○	○	Standard	○	—	—	10
77495	7	Thread φ1.0 mm x 20 m for Chalk Line Marker	φ1.0	—	—	—	—	—	—	—	—	—	—	—	—	—	Standard	Standard	○	○	○	○	—	—	10
77929	7	Thread φ0.5 mm x 20 m for Chalk Line Marker	φ0.5	—	—	—	—	—	—	—	—	—	—	—	—	—	○	○	Standard	Standard	○	Standard	—	—	10
77577	0	Thread Super Thick 50 m for Chalk Line BIG	φ3.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Standard	—	3	

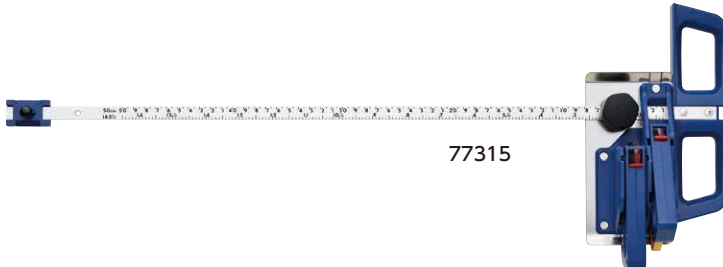
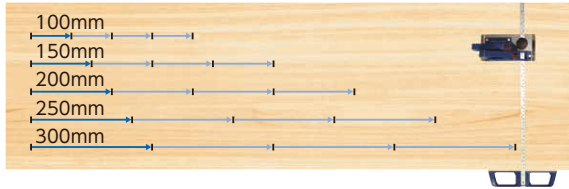
JAN Code No.=f4960910+Item Code+C.D.J

*Length of the thread at time of purchase is different

Carpenter's Squares
Stainless Steel Rules / Machine Scale
Aluminum Rules
Resin Rules / Bamboo Rules
Squares / Protractors
Vernier Calipers / Micrometers
Tape Measures
Surveying Products
Scales
Levels
Lasers / Optical Equipment
Inclines / Chalklines / Plumbholders
Circular Saw Guides
Construction Tools
Industrial Tools
Thermometers / Hygrometers / Scales / Measuring Instruments
Outdoor Products
Magnifying Glasses
Drawing Tools
Magnets

Screw Pitch Marking Tool

■Screw Pitch Marking Tool Multi Available pitches



77315

Item Code	Description	JAN Code	Packing Unit	Packaging
77315	Multi 5-pitch Switch	4 960910 773158	4	SP

Screw Pitch Marking Tool Accessory

For Screw Pitch Marking Tool Multi



77320



77395



77394



67618



67619



90943

For Screw Pitch Marking Tool



77396

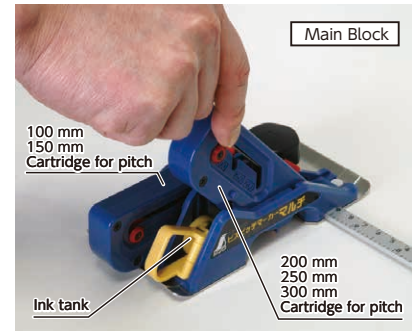


77397

Item Code	Description	JAN Code	Packing Unit	Packaging
77320	Main Block for Screw Pitch Marking Tool Multi	4 960910 773202	4	SP
77394	Guide Rule for Screw Pitch Marking Tool/Multi	4 960910 773943	6	C
77395	Stopper for Guide Rule for Screw Pitch Marking Tool/Multi	4 960910 773950	10	VH
67618	Cartridge 100/150 for Screw Pitch Marking Tool Multi	4 960910 676183		
67619	Cartridge 200/250/300 for Screw Pitch Marking Tool Multi	4 960910 676190	1	B
90943	Ink Tank for Screw Pitch Marking Tool Multi	4 960910 909434		
77323	Replacement Belt 100/150 for Screw Pitch Marking Tool Multi	4 960910 773233		
77324	Replacement Belt 200/250/300 for Screw Pitch Marking Tool Multi	4 960910 773240	10	VH
77326	Replacement Cotton 2 pc-pack for Screw Pitch Marking Tool Multi	4 960910 773264		
77396	Replacement Lead 10 pc-pack for Screw Pitch Marking Tool	4 960910 773967		
77397	Replacement Cotton 4 pc-pack for Screw Pitch Marking Tool	4 960910 773974	10	B

Features

- One unit can mark five different pitches
 *In recent years, pitches for screws have been strictly controlled in building for some house builders. The pitch can vary depending on building structure. This tool can cover most cases.



- Easy-to-replace cartridge



- Easy-to-refill ink tank



- Stopper can be used to mark center of board width



Easily mark the pitch on the center of the board by fixing the guide ruler stopper in each hole in the figure above and sliding the main block

Fix the stopper in one of the holes depending on the width of board, then slide the main block to the stopper. The marking position is 455 or 500 mm, and can mark the center of a 3 shaku/1000 mm wide board.

Use

- For marking screw pitch on boards such as plywood, plasterboard, etc.

Specifications

Material	Main Block: ABS resin, polyacetal resin, elastomer resin, stainless steel, silicone rubber Guide Rule: ABS resin, aluminum
Size	Main Block: 159 × 79 × 80 mm Guide Rule: 200 × 663 × 15 mm
Weight	Main Block: 300 g Guide Rule: 110 g
Accuracy	100 mm Pitch: 95 - 100 mm 150 mm Pitch: 145 - 150 mm 200 mm Pitch: 195 - 200 mm 250 mm Pitch: 240 - 250 mm 300 mm Pitch: 290 - 300 mm

Wind-resistant Plumb/Holder/Dial Plumb

Wind-resistant Plumb Basic

- Transparent cover completely blocks out wind
- Quickly stabilize the plumb by raising the braking plate and constricting width of the swing area

Wind-resistant Plumb II

- Built-in magnetic damper quickly brakes swing of the plumb
- With large window to check and see condition of plumb
- Easy 3-step process for setup

- (1) Adjust the length and fix to the pillar
- (2) Adjust height so that the braking disk and magnet do not touch
- (3) Adjust pillar so that the plumb tip is aligned to the center of the indicator plate

Wind-resistant Plumb Basic and Magnetic Fixing Arm

Wind-resistant Plumb II with Magnetic Damper and Magnetic Fixing Arm

- Mounting part contains a magnet so it can be easily fixed to a steel frame

Neodymium Magnet
Adsorptive power 5 kgf

77554 **NEW** 77428 77524 77489

77599

77549

Wind-resistant Plumb

Features

- Spring-loaded reel completely reduces the load on special dual thread and makes it hard to break
- Use when temporary braces are on the supports is also possible since the ends are long (about 40 mm)
- Rubber strap to secure plumb to an object
- Includes a useful carry case

Use

- For verifying perpendicularity of pillars

Specifications

Item Code	77554	77428	77524	77489
Accuracy*1	±1 mm			
Magnet Holding Power	—	2 kg*2	—	2 kg*2
Material	Rod: Aluminum Drum Cover: ABS resin Plumb: Brass, phosphor bronze, bronze (iron for 77554/77428) End: Aluminum, Neodymium magnet (77428/77489) Transparent Cover: Polycarbonate resin (77554/77428) Transparent Window: Polycarbonate resin (77524/77489) Protective steel plates (77428/77489): Stainless steel Braking plate: Polycarbonate resin (77554/77428)			
Accessories	Exclusive case, rubber band, 2x protective steel plates (77428, 77489)			

*1 Accuracy determines the difference between the distance from the upper part end portion to the line in the accuracy confirmation window's position and the distance from the lower part end portion to the center of the indicator plate
 *2 When measured with a 3.2 mm thick steel plate

Holder

Features

- Fixing to the pillar is easy
- Attaching and detaching to wind-resistant plumb can be done without tools using the fixing screw

Use

- Fixing the wind-resistant plumb to a pillar

仕様

Compatible Products	Wind-resistant Plumb Basic (77554/77428) Wind-resistant Plumb II with Magnetic Damper (77524/77489)
Compatible Pillar Size	3.5 - 5.5 sun
Material	Body: Stainless steel, aluminum, vinyl chloride resin

Dial Plumb

Features

- Dial model allows one to see fine graduations in slope. No influence of wind.
- Slide arm (end part) is attached, allowing use even when temporary braces, etc. are on the support
- 240 cm when using an extension (77575)
- Includes a useful carry case

Use

- For checking listing of formwork and sash frames
- For setting up of house framework and checking listing supports

Specifications

Item Code	77548	77549	77550	77575
Accuracy	Less than 0.5 mm/1 m			
Lean Tolerance to the Front-back Direction*	±20 mm	±40 mm		
Material	Main Rod, Sliding Arm, Scale Plate, Indicator Fixing Lever: Aluminum Unit Cover: ABS resin Indicator: Steel			
Accessories	Exclusive case			

*Lean tolerance to the front-back direction is the maximum lean in the front-back direction in regards to the entire length of the main scale that can guarantee the accuracy during measurement.

Wind-resistant Plumb

● Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
77554	Basic	61×134× 1,515 - 3,333	3,060	4 960910 775541	1	B
77428	Basic and Magnetic Fixing Arm NEW	61×135× 1,515 - 3,333	3,160	4 960910 774285	1	B
77524	II with Magnetic Damper	64×112× 1,515 - 3,333	3,120	4 960910 775244	1	B
77489	II with Magnetic Damper and Magnetic Fixing Arm	64×135× 1,515 - 3,333	3,220	4 960910 774896	1	B

Holder

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
77599	for Wind-resistant Plumb with Quick Arm	336×110×122	370	4 960910 775992	1	B

*For Wind-resistant Plumb

Dial Plumb

● Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
77548	110 cm	63×39×1,100	1,500	4 960910 775480	1	B
77549	175 cm	63×39×1,750	2,050	4 960910 775497	1	B
77550	200 cm	63×39×2,000	2,300	4 960910 775503	1	B
77575	240 cm	63×39×2,400	3,150	4 960910 775756	1	B

Carpenter's Squares
Stainless Steel Rules / Machine Scale
Aluminum Rules
Resin Rules / Bamboo Rules
Squares / Protractors
Vernier Calipers / Micrometers
Tape Measures
Surveying Products
Scales
Levels
Lasers / Optical Equipment
Inclines / Chalklines / Plumbholders
Circular Saw Guides
Construction Tools
Industrial Tools
Thermometers / Hygrometers / Scales / Measuring Instruments
Outdoor Products
Magnifying Glasses
Drawing Tools
Magnets

Handy Plumb Holder



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
77375	Pro Auto-rewind Red	125×100×35	225	4 960910 773752	5	SP
77376	Pro Auto-rewind Red with Plumb Bob 400 g	-	-	4 960910 773769	5	SP
21364	Pro Auto-rewind Red with Plumb Bob 400 g	-	-	4 960910 213647	5	SP
77377	Pro Hand-rewind Blue	125×100×45	185	4 960910 773776	5	SP
77501	Jr. Auto-rewind Red	87×82×27	120	4 960910 775015	5	SP
77502	Jr. Auto-rewind Red with Plumb Bob 200 g	-	-	4 960910 775022	5	SP
21392	Jr. Auto-rewind Red with Plumb Bob 200 g	-	-	4 960910 213920	5	SP

Features

- Firmly fix by tapping with a hammer
- Pin can be changed by hand
- Spring drum is made of rust-resistant stainless steel
- Neodymium magnet sticks strongly
- Unit is covered with elastomer resin for shock-resistance
- Pro Hand-rewind Blue
 - Folding handle for Pro Hand-rewind Blue
- Jr. Auto-rewind Red
 - Lightweight, compact and portable



- About 60% Less Compared to size of Pro model



About 60% Less Compared to size of Pro model

Use

- For verifying perpendicularity of pillars, walls, and frames

Specifications

Item Code	77375	77376	21364	77377	77501	77502	21392
Material	Body: ABS resin, elastomer resin Spring: Stainless steel (77375/77376/77501/77502) Pointer: Spring steel Thread: Nylon Magnet: Neodymium magnet						
Thread Length	5 m	10 m	3.5 m				
Usable Plumb	100 g - 850 g (1 kg with drum stopper)	100 g - 1 kg	100 g - 400 g				

Replacement Needle/Thread

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
77378	Needle for Handy Plumb Holder Pro	120×47×20	20	4 960910 773783	1	SP
77504	Needle for Handy Plumb Holder Jr.	81×29×20	8	4 960910 775046	1	SP
77598	Thread 15 m for Handy Plumb Holder	φ1.0×15m	-	4 960910 775985	10	C

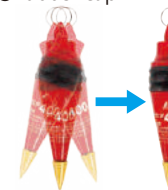
Plumb Bob



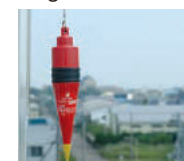
Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
77974	100 g with Damper	φ32×96	100	4 960910 779747	5	SP
77981	150 g with Damper	φ32×108	150	4 960910 779815	5	SP
77982	200 g with Damper	φ32×121	200	4 960910 779822	5	SP
77983	300 g with Damper	φ33×148	300	4 960910 779839	5	SP
77979	400 g with Damper	φ36×156	400	4 960910 779792	5	SP
77975	600 g with Damper	φ42×167	600	4 960910 779754	5	SP
77951	800 g with Damper	φ42×196	800	4 960910 779518	5	SP
77991	1000 g	φ42×213	1,000	4 960910 779914	5	SP

Features

- Highly visible yellow colored tip
- Rubber cover to protect from scratching
- Rubber cap
- Full lineup offers a choice from lightweight and easy to carry, to heavy items that are not affected by wind
- Great stability against wind and durable integrated structure (77991)



Stops in 1/20 of the time of conventional products



Use

- For verifying perpendicularity of pillars, walls, and frames

Specifications

Material	Body, Tip: Iron Double Ring: Stainless steel Cover/Protective Cap: Rubber
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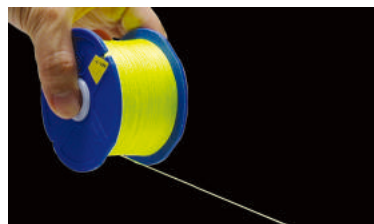
Polyester Leveling Line Reel



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
78477	0.5 mm 500 m Yellow	φ79×48	120		10	
78479	0.5 mm 500 m Pink	φ79×48	120			
78481	0.5 mm 500 m Orange	φ79×48	120			
78483	0.5 mm 500 m Green	φ79×48	120			
78484	0.8 mm 270 m Black	φ79×48	126			
78478	0.8 mm 270 m Yellow	φ79×48	126			
78480	0.8 mm 270 m Pink	φ79×48	126			
78482	0.8 mm 270 m Orange	φ79×48	126			
78485	0.8 mm 270 m Green	φ79×48	126			
78492	1.2 mm 120 m Black	φ79×48	127			
78498	1.2 mm 120 m Yellow	φ79×48	127			
78499	1.2 mm 120 m Pink	φ79×48	127			

Features

- Choose from bright fluorescent colors and black that stands out in bright places
- Polyester does not absorb water nor stretch as much as nylon. It can be pulled tight with less stretch
- Runs freely when holding the center shaft with fingers or by inserting a pen, etc.



- Has opening to check amount of thread remaining



- Reel comes with cutter blade



Use

- For basement construction, surveying, craft, and gardening

Specifications

Material	Polyester
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Cotton Leveling Line



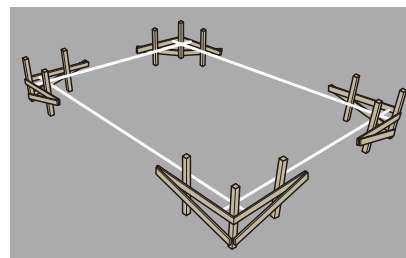
Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
78488	No.3 0.7 mm 100 m	154×90	39		10	
78489	No.4 0.8 mm 100 m	154×90	48			
78490	No.5 0.9 mm 100 m	154×90	60			
78491	No.6 1.0 mm 100 m	154×90	65			
78493	No.7 1.1 mm 100 m	154×90	75			
78494	No.8 1.2 mm 100 m	154×90	88			
78495	No.10 1.4 mm 100 m	154×90	106			

Features

- Environmentally-friendly 100% cotton
- Easy-to-tie pure cotton yarn
- Can be used for many applications from general work to surveying
- Abundant variations in thickness

Use

- For measuring, gardening, and kite-flying



Specifications

Material	Cotton
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Polyethylene Leveling Line



78556



78573

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
78556	0.8 mm 100 m Yellow	155×90	40	4 960910 785564	20	S
78573	1.2 mm 100 m Yellow	155×90	77	4 960910 785731	12	

Features

- Resists shrinking even when wet, such as during a sudden rain
- Easily visible yellow color

Use

- For basement construction, surveying, craft, and gardening

Specifications

Material	polyethylene
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Oil-based Marking Pen Fine



78424



78431



78430



78434

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
78424	Bullet-tip Black	132×17×21	20	4 960910 784246	10	B
78430	Chisel-tip Black	132×17×21	20	4 960910 784307		
78431	Chisel-tip Red	132×17×21	20	4 960910 784314		

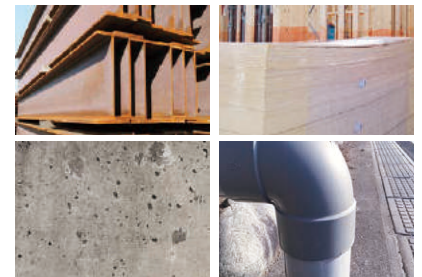
Features

- Black is available in bullet-tip and chisel-tip
- Reusable by changing cartridge after ink runs out (78431)
- Dries quickly
- Bullet-tip's line width is 2 mm
- Chisel-tip's line width is 4 mm



Use

- For marking on steel material, alloy, glass, plastic, concrete, PVC pipe, etc.



Specifications

Material	Body, Cap: Polypropylene resin
Ink	Oil-based (dye ink)

Replacement Cartridge for Oil-based Marking Pen

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
78434	Red 2 pc-pack	78×13×13	6	4 960910 784345	10	B

Paint Marker Wide Bullet-tip



78541



78547



78542



78548

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
78541	Black	150×25×25	65	4 960910 785410	10	B
78542	Red	150×25×25	65	4 960910 785427		
78547	White	150×25×25	65	4 960910 785472		
78548	Pink	150×25×25	65	4 960910 785489		

Features

- Pigment ink helps to write clearly even on dark-colored surfaces
- Four colors available
- Dries quickly
- 4 mm line width



Use

- For marking on steel material, alloy, glass, plastic, concrete, PVC pipe, etc.

Specifications

Material	Body: Aluminum Cap: Polypropylene resin
Ink	Oil-based (pigment ink)

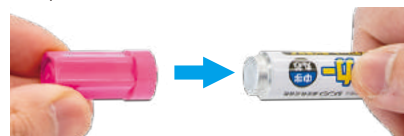
Paint Marker Fine Bullet-tip



Paint Marker Fine Bullet-tip

Features

- Pigment ink helps to write clearly even on dark-colored surfaces
- Cap can be attached to the marker's back end



- Six colors available
- Dries quickly
- 2 mm line width
- Available in convenient 6- and 10-piece packs
- *Each individual marker is shrink-wrapped

- 6-piece and 10-piece packs come in a convenient, clear storage case



Oil-based opacity

Use

- For marking on steel material, alloy, glass, plastic, concrete, PVC pipe, etc.

Specifications

Material	Body: Aluminum Cap: Polypropylene resin
Ink	Oil-based (pigment ink)

Holder for Paint Marker Fine

Features

- Hole for safety strap. This allows a safety cord or strap to be attached



- Clips easily onto a belt being worn. The hook on the clip prevents it from detaching.



Use

- For carrying paint marker



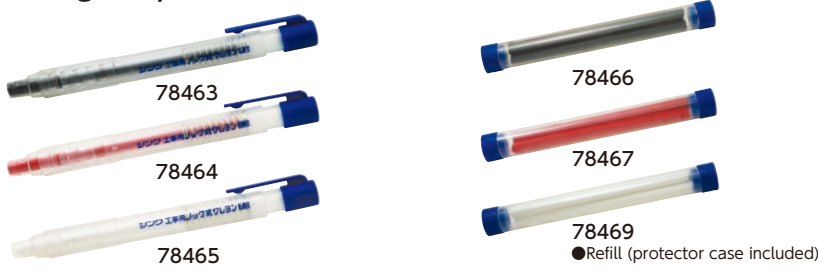
Specifications

Material	Body: Nylon resin
Attachable Belt	Less than 60 mm wide and less than 4 mm thick

*Specially made for Shinwa's fine point paint marker

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
78414	Black	144×15×15	22	4 960910 784147	10	
78415	Red	144×15×15	22	4 960910 784154	10	
78416	Yellow	144×15×15	22	4 960910 784161	10	
78418	White	144×15×15	22	4 960910 784185	10	
78419	Pink	144×15×15	22	4 960910 784192	10	
78515	Blue	144×15×15	22	4 960910 785151	10	
79112	Black 6 pc-pack	144×15×15	22 x6	4 960910 791121	1	
79110	Red 6 pc-pack	144×15×15	22 x6	4 960910 791107	1	
79114	Yellow 6 pc-pack	144×15×15	22 x6	4 960910 791145	1	
79108	White 6 pc-pack	144×15×15	22 x6	4 960910 791084	1	
79116	Pink 6 pc-pack	144×15×15	22 x6	4 960910 791169	1	
79118	Blue 6 pc-pack	144×15×15	22 x6	4 960910 791183	1	
79113	Black 10 pc-pack	144×15×15	22 x10	4 960910 791138	1	
79111	Red 10 pc-pack	144×15×15	22 x10	4 960910 791114	1	
79115	Yellow 10 pc-pack	144×15×15	22 x10	4 960910 791152	1	
79109	White 10 pc-pack	144×15×15	22 x10	4 960910 791091	1	
79117	Pink 10 pc-pack	144×15×15	22 x10	4 960910 791176	1	
79119	Blue 10 pc-pack	144×15×15	22 x10	4 960910 791190	1	
78510	Holder for Paint Marker Fine	90×28×46	21	4 960910 785106	6	

Marking Crayon Retractable 7.0 mm



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
78463	Black	145×14×17	17	4 960910 784635	10	
78464	Red	145×14×17	17	4 960910 784642		
78465	White	145×14×17	17	4 960910 784659		

Refill for Marking Crayon Retractable 7.0 mm

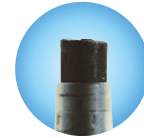
Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
78466	Black 2 pc-pack	142×17×17	16	4 960910 784666	10	
78467	Red 2 pc-pack	142×17×17	16	4 960910 784673		
78469	White 2 pc-pack	142×17×17	16	4 960910 784697		

Features

- Retractable type keeps your hands clean



- Easy to write
- 7 mm line width



Use

- For marking on steel material, alloy, glass, plastic, concrete, PVC pipe, etc.

Specifications

Material	Body/Case: Polypropylene resin, ABS resin Crayon: Wax, oil-based (pigment ink)
----------	---

Marking Crayon Retractable 4.0 mm



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
78445	Black	135×12×15	11	4 960910 784451	10	
78446	Red	135×12×15	11	4 960910 784468		
78447	Yellow	135×12×15	11	4 960910 784475		
78448	White	135×12×15	11	4 960910 784482		
78449	Pink	135×12×15	11	4 960910 784499		

Refill for Marking Crayon Retractable 4.0 mm

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
78458	Black 4 pc-pack	142×17×17	10	4 960910 784581	10	
78459	Red 4 pc-pack	142×17×17	10	4 960910 784598		
78460	Yellow 4 pc-pack	142×17×17	10	4 960910 784604		
78461	White 4 pc-pack	142×17×17	10	4 960910 784611		
78462	Pink 4 pc-pack	142×17×17	10	4 960910 784628		

Features

- Retractable type keeps your hands clean



- Easy to write
- 4 mm line width



Use

- For marking on steel material, alloy, glass, plastic, concrete, PVC pipe, etc.

Specifications

Material	Body/Case: Polypropylene resin, ABS resin Crayon: Wax, oil-based (pigment ink)
----------	---

Marking Mechanical Pencil 2.0 mm



●Refill (protector case included)

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
78470	Black	142×9×12	13	4 960910 784703	10	
78471	Red	142×9×12	13	4 960910 784710		
78472	White	142×9×12	13	4 960910 784727		

Features

- Writes smoothly, hard to break
- 2 mm line width



Use

- For marking on steel material, alloy, concrete, etc.

Specifications

Item Code	78470	78471	78472
Material	Body: ABS resin, steel Crayon: Wax, oil-based (pigment ink)		

Item Code	78473	78474	78475
Material	Case: Polypropylene resin, ABS resin Crayon: Wax, oil-based (pigment ink)		

Replacement Lead for Marking Mechanical Pencil 2.0 mm

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
78473	Black 6 pc-pack	150×9×9	6	4 960910 784734	10	
78474	Red 6 pc-pack	150×9×9	6	4 960910 784741		
78475	White 6 pc-pack	150×9×9	6	4 960910 784758		

Marking Mechanical Pencil Type 2.0 mm



●Refill (protector case included)

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
78511	2H	143×9×12	12	4 960910 785113	10	
78507	HB	143×9×12	12	4 960910 785076		

Features

- Easy-to-write mechanical pencil with lead
- Comes with 1x lead

Use

- For marking lumber and plasterboard

Specifications

Item Code	78511	78507
Material	Body: ABS resin, steel	
Center	Graphite	

Item Code	78508	78509
Material	Case: Polypropylene resin, ABS resin	
Center	Graphite	

Replacement Lead for Marking Mechanical Pencil Type 2.0 mm

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
78508	2H 6 pc-pack	150×9×9	7	4 960910 785083	10	
78509	HB 6 pc-pack	150×9×9	7	4 960910 785090		

Marking Pencil PRO



●Actual products are not sharpened.

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
78524	4H 3 pc-pack	177×7.5×7.5	4	4 960910 785243	10	B
78517	2H 3 pc-pack	177×7.5×7.5	4	4 960910 785175		
78518	H 3 pc-pack	177×7.5×7.5	4	4 960910 785182		
78519	HB 3 pc-pack	177×7.5×7.5	4	4 960910 785199		
78520	2B 3 pc-pack	177×7.5×7.5	4	4 960910 785205		
78521	Red Hard 3 pc-pack	177×7.5×7.5	4	4 960910 785212		
78523	Red Soft 3 pc-pack	177×7.5×7.5	4	4 960910 785236		

Features

- Five different regular pencils available - 4H, 2H, H, HB, 2B
- Two different red pencils available - hard and soft
- Writes smoothly for professional use

Use

- For marking lumber and plasterboard



Specifications

Item Code	78524	78517	78518	78519	78520
Material	Body: Wood				
Center	Graphite				
Shaft Type	Hexagonal shaft				

Item Code	78521	78523
Material	Body: Wood	
Center	Wax, oil-based (pigment ink)	
Shaft Type	Hexagonal shaft	

Marking Crayon Pencil Type



●Actual products are not sharpened.

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
78435	Black 3 pc-pack	φ8×175	6	4 960910 784352	10	B
78440	Red 3 pc-pack	φ8×175	6	4 960910 784406		
78442	Yellow 3 pc-pack	φ8×175	6	4 960910 784420		
78443	White 3 pc-pack	φ8×175	6	4 960910 784437		

Features

- Usable on a variety of surfaces

Use

- For marking on steel material, alloy, glass, plastic, concrete, PVC pipe, etc.

Specifications

Material	Body: Wood Center: Wax, oil-based (pigment ink)
Shaft Type	Cylindrical shaft

Chalk Holder



78501 78527 78528 78597 78468

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
78501	White	127×25×21	21	4 960910 785014	10	[B]
78527	Red	127×25×21	21	4 960910 785274		
78528	Yellow	127×25×21	21	4 960910 785281		
78597	Blue	127×25×21	21	4 960910 785977		
78468	White/Red/Yellow/Blue 4-color set	127×25×21	21 ×4	4 960910 784680	5	[C]

Features

- Protects chalk from breaking or getting wet
- The magnetic cap will stick on steel chalkboard
- Holder's cap can be attached to the back end and will still function with knock motion



- Clear cap shows color of chalk



- Keeps your hands clean



- 4-color set comes with a convenient storage case

Use

- As protector case for chalk

Specifications

Material	Body: Polypropylene resin Cap: Acrylic resin Chalk: Plaster
Usable Chalk	φ11 - 12 mm

*Hold chalk as you move it in and out. Otherwise the chalk may fall or break.

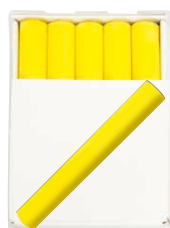
Chalk



74141



74142

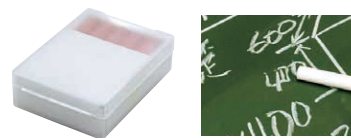


74143

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
74141	White 10 pc-pack with Plastic Case	φ12×82	5.5	4 960910 741416	10	[B]
74142	Red 10 pc-pack with Plastic Case	φ12×82	5.5	4 960910 741423		
74143	Yellow 10 pc-pack with Plastic Case	φ12×82	5.5	4 960910 741430		

Features

- Compact size convenient for carrying
- Translucent case shows color of chalk



- Writes smoothly and erases easily
- Highly visible vivid color makes work easier

Use

- For writing on chalkboards, wood, stone, iron and concrete

Specifications

Material	Calcium sulfate
----------	-----------------

13. Circular Saw Guides



Scan here to see videos of various products



- Carpenter's Squares
- Stainless Steel Rules/ Machine Scale
- Aluminum Rules
- Resin Rules/ Bamboo Rules
- Squares/ Protractors
- Vernier Calipers/ Micrometers
- Tape Measures
- Surveying Products
- Scales
- Levels
- Lasers/ Optical Equipment
- Inclines/ Chalklines/ Plumblines
- Circular Saw Guides
- Construction Tools
- Industrial Tools
- Thermometers/ Hygrometers/ Environmental Measuring Instruments
- Outdoor Products
- Magnifying Glasses
- Drawing Tools
- Magnets

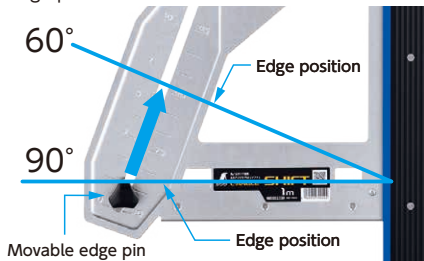
L-Angle Features

L-Angle Plus Shift	L-Angle Plus Adjust	L-Angle Plus	L-Angle Foldable
45 cm 60 cm 1 m 1.2 m	45 cm 60 cm 1 m 1.2 m	45 cm 60 cm 1 m 1.2 m	45 cm 1 m
▶ p.157	▶ p.158	▶ p.159	▶ p.160
Square Cuts/Angular Cuts	Angle Fine Adjustment Mechanism		Foldable
	Heel Shape		
	Slide/stop System		
	Wide Hex Grip		

Features

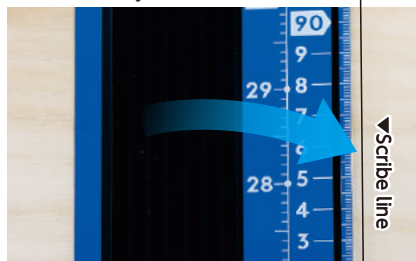
Square Cuts/Angular Cuts

Square cuts and angular cuts can be shifted by moving the movable edge pin and changing the edge position



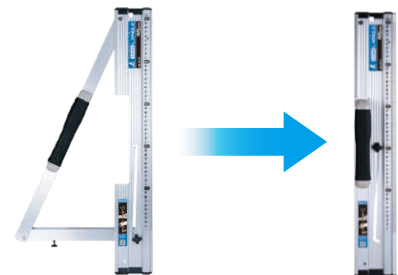
Angle Fine Adjustment Mechanism

Combination of angle fine adjustment mechanism and slide/stop system enables smooth fine adjustment in mm units



Foldable

Folds for easy transport and storage.



Heel Shape

Heel shape that stands completely straight. The product will not become diagonal when stood upright since the guide and the handle mounting board have the same height.



Slide/stop System

Pressing down on the handle causes the rubber portion to move down and adhere to the material, securing it tightly.



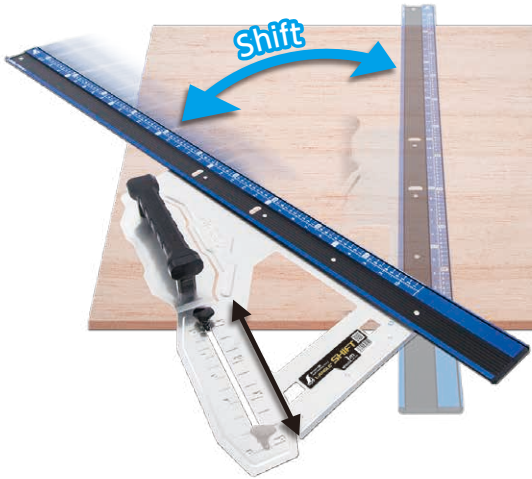
Wide Hex Grip

Wide Hex Grip that grips securely.



Carpenter's Squares
 Stainless Steel Rules/ Machine Scale
 Aluminum Rules
 Resin Rules/ Bamboo Rules
 Squares/ Protractors
 Vernier Calipers/ Micrometers
 Tape Measures
 Surveying Products
 Scales
 Levels
 Lasers/ Optical Equipment
 Inclines/ Cranklines/ Plumholders
 Circular Saw Guides
 Construction Tools
 Industrial Tools
 Thermometers/ Hygrometers/ Instruments
 Outdoor Products
 Magnifying Glasses
 Drawing Tools
 Magnets

Circular Saw Guide L-Angle Plus Shift



79054



79052























79053



79055

●Parts are listed from p.243

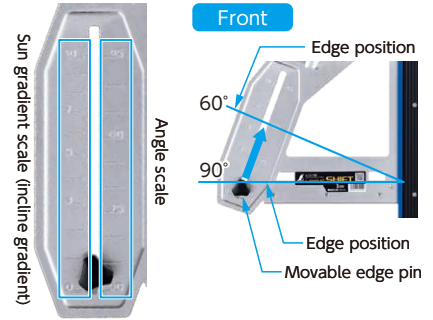
Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
79052	45 cm/shaku with Gradient Scale Cutting Function   	687×390×85	1,300	4 960910 790520 	2	
79053	60 cm/shaku with Gradient Scale Cutting Function   	817×390×85	1,400	4 960910 790537 	2	
79054	1 m/shaku with Gradient Scale Cutting Function   	1,217×390×85	1,600	4 960910 790544 	1	
79055	1.2 m/shaku with Gradient Scale Cutting Function   	1,417×390×85	1,700	4 960910 790551 	1	

Refer to P. 2 about the shaku scale

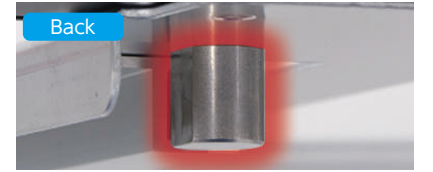
NEW New catalog items **EN** English package **Red** With red numbers **12** Japanese zodiac signs **cm/shaku** (Upper side (or Front) metric / Lower side (or Back) shaku) **shaku/cm** (Upper side (or Front) shaku / Lower side (or Back) metric) **U** With magnet **CAL** Optional JCSS certificate **NS** With non-slip pad **B** With battery **Li** Lithium-ion battery **L** Vial with luminous sheet **G** With groove for slider **STOP** With stopper **D** With direction arrow **Oil**

Features

● Square cuts and angular cuts can be shifted by moving the movable edge pin and changing the edge position



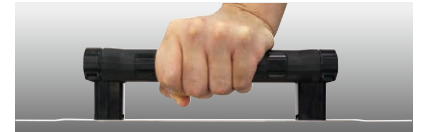
● Since the fixed edge pin and movable edge pin are circular, they will not dig into the material even when pressed against it



● Features a slide/stop system which can slide easily and fix securely. Since the rubber stopper is usually floating, it is able to slide smoothly. When the handle is pressed, the rubber stopper moves down and closely adheres to the material, fixing it firmly.



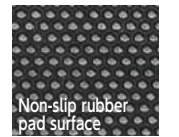
● Wide Hex Grip handle that can be held firmly is adopted



● Features both shaku and metric graduations to come in handy for carpenters

● Aluminum construction makes guide both light and sturdy. Features white graduations on a blue background.

● Non-slip rubber pad achieves high non-slip performance thanks to the use of the high-performance microcellular polymer sheet PORON[®], which has a high-density, delicate and uniform cell structure



● With groove for slider (sold separately, item code 78236) - just slide it in the groove to prevent shifting during cutting

● Stainless steel plate on guide edge

Use

● As a guide rule when making square or angular cuts with an electric circular saw

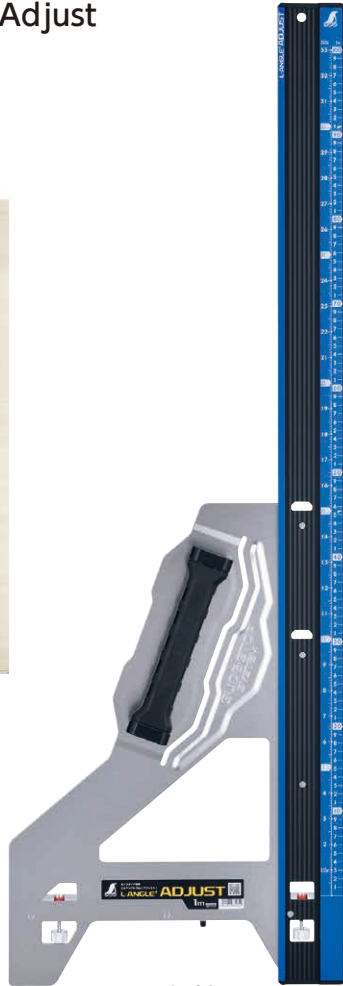
● As a guide rule when making cuts based on scribed angles from other materials

● For dimension measurements

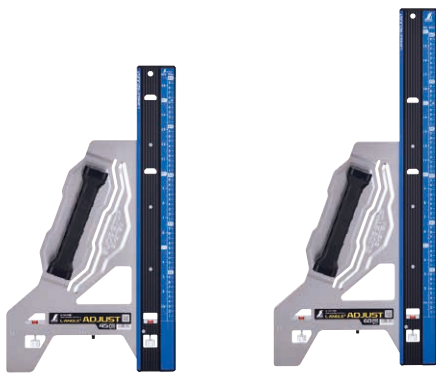
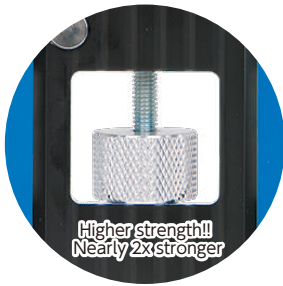
Specifications

Item Code	79052	79053	79054	79055
Perpendicularity	Less than 0.1 mm per 100 mm			
Graduation	1 shaku 6 sun 5 bu	2 shaku	3 shaku 3 sun	4 shaku
	50 cm	60 cm	1 m	1.2 m
Gradient Adjustment Range	Gradient graduation from 1 sun to 10 sun			
Angle Adjustment Range	45 - 90°			
Edge Height	15 mm			
Material	Body: Aluminum Guide Surface, Fixed Edge Pin, Movable Edge Pin, Indicator Arrow: Stainless steel Protection End Cap: ABS resin Wide Handle: ABS resin, elastomer resin Angle adjustment knob: Phenol resin, brass			

Circular Saw Guide L-Angle Plus Adjust



- Includes an angle fine adjustment screw which is easy to rotate even while wearing gloves



73180

73181



73183

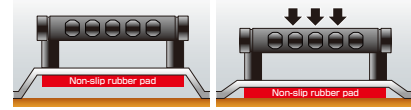
73182

●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
73180	45 cm/shaku	632×350×83	1,200	4 960910 731806	2	
73181	60 cm/shaku	762×350×83	1,300	4 960910 731813	2	
73182	1 m/shaku	1,162×400×83	1,700	4 960910 731820	1	
73183	1.2 m/shaku	1,362×400×83	1,800	4 960910 731837	1	

Features

- Combination of angle fine adjustment mechanism and slide/stop system enables smooth fine adjustment in mm units



- Angular fine adjustment secures edge firmly even on thin boards such as veneer



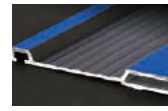
- Wide Hex Grip handle that can be held firmly is adopted

- Straight heel shape keeps the screw from directly contacting the ground or snagging the electric circular saw's cord

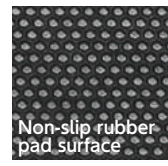


- Features both shaku and metric graduations to come in handy for carpenters

- Aluminum construction makes guide both light and sturdy. Features white graduations on a blue background.



- Non-slip rubber pad achieves high non-slip performance thanks to the use of the high-performance microcellular polymer sheet PORON®, which has a high-density, delicate and uniform cell structure



- With groove for slider (sold separately, item code 78236) - just slide it in the groove to prevent shifting during cutting
- Stainless steel plate on guide edge

Use

- As a guide rule when making square or angular cuts with an electric circular saw
- As a guide rule when making finishing cuts along a scribed line
- For dimension measurements

Specifications

Item Code	73180	73181	73182	73183
Perpendicularity	Less than 0.1 mm per 100 mm			
Graduation	1 shaku 6 sun 5 bu	2 shaku	3 shaku 3 sun	4 shaku
	50 cm	60 cm	1 m	1.2 m
Angle Fine Adjustment Range (Guide Blade Tip)	To the left approx. 20 mm	To the left approx. 24 mm	To the left approx. 34 mm	To the left approx. 40 mm
	To the right approx. 18 mm	To the right approx. 21 mm	To the right approx. 30 mm	To the right approx. 36 mm
	Edge Height: 15 mm			
	Cutout Positioning Stick Storage Height: 5 mm			
Material	Body: Aluminum Guide Surface: Stainless steel Protection End Cap: ABS resin Angle Fine Adjustment Screw: Aluminum, polypropylene resin ABS Handle: ABS resin, elastomer resin			
Accessories	cutout positioning stick			

Circular Saw Guide L-Angle Plus



73152

- Features both shaku and metric graduations to come in handy for carpenters
- Aluminum construction makes guide both light and sturdy. Features white graduations on a blue background.



73150

73151

73153

●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
73150	45 cm/shaku	632×350×83	1,100	4 960910 731509	2	B
73151	60 cm/shaku	762×350×83	1,200	4 960910 731516		
73152	1 m/shaku	1,162×400×83	1,600	4 960910 731523	1	N
73153	1.2 m/shaku	1,362×400×83	1,700	4 960910 731530		

Refer to P. 2 about the shaku scale

Features

- Wide Hex Grip that grips securely.



- Slides in easily and secures tightly with Slide-Stop System. It slides smoothly since the non-slip rubber is normally floating above the surface. Pressing down on the handle causes the rubber portion to move down and adhere to the material, securing it tightly.

Slides in easily



Fastens quickly

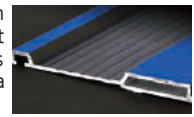


- Heel shape that stands completely straight. The product will not become diagonal when stood upright since the guide and the handle mounting board have the same height.



- Enables square cuts just by aligning base plate of electric circular saw along the edge of the guide
- Features both shaku and metric graduations to come in handy for carpenters

- Aluminum construction makes guide both light and sturdy. Features white graduations on a blue background.



- Non-slip rubber pad achieves high non-slip performance thanks to the use of the high-performance microcellular polymer sheet PORON®, which has a high-density, delicate and uniform cell structure



- With groove for slider (sold separately, item code 78236) - just slide it in the groove to prevent shifting during cutting
- Stainless steel plate on guide edge

Use

- As a guide rule when making square cuts on boards with an electric circular saw
- For dimension measurements

Specifications

Item Code	73150	73151	73152	73153
Perpendicularity	Less than 0.1 mm per 100 mm			
Graduation	1 shaku 6 sun 5 bu	2 shaku	3 shaku 3 sun	4 shaku
	50 cm	60 cm	1 m	1.2 m
Edge Height	15 mm			
Material	Body: Aluminum Guide Surface: Stainless steel Protective End Cap: ABS resin Wide Handle: ABS resin, elastomer resin			
Accessories	cutout positioning stick			

Circular Saw Guide L-Angle Foldable NEW



78101

78102

●Parts are listed from p.243

Item Code	Description		Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
78101	45 cm		632×336×73 (Width when folded: 88)	700	4 960910 781016	2	
78102	1 m		1,162×336×73 (Width when folded: 88)	1,040	4 960910 781023		

Features

- Folds for compact storage
- Can be easily used as a circular saw guide simply by unfolding
- Lightweight, easy to handle and convenient to carry



- Can also be used as a cutting guide by removing stopper
- As a circular saw guide

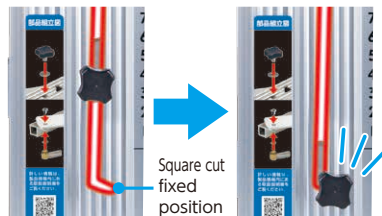


As a cutting guide*



*Remove stopper before use.

- Simply fasten the screw along the slit to the right angle position for 90°



- With groove for slider (sold separately, item code 78236) - just slide it in the groove to prevent shifting during cutting
- Metric scale for measuring as well as scribing
- With a protective cap to protect material
- Stainless steel plate on guide edge

Use

- As a guide rule when making square cuts on boards with an electric circular saw
- For measuring length, drawing lines, and cutting

Specifications

Item Code	78101	78102
Perpendicularity	Less than 1 mm per 300 mm	
Graduation	50 cm	1 m
Edge Height	15 mm	
Material	Body: Aluminum Guide Surface: Stainless steel Protective End Cap: ABS resin Knob: ABS resin, Iron Handle: ABS resin, elastomer resin Battledore Screw: Stainless steel, brass	
Accessories	cutout positioning stick	

Slider



78236

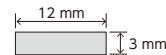
Compatible Products

- L-Angle Plus Shift
- L-Angle Plus Adjust
- L-Angle Plus
- Circular Saw Guide L-Angle Foldable
- Free Angle Neo
- Free Angle Multi

Features

- Enables straight cuts without deviation after attaching to the electric circular saw and sliding it according to the corresponding circular saw guide

Use by inserting into the base of the electric circular saw



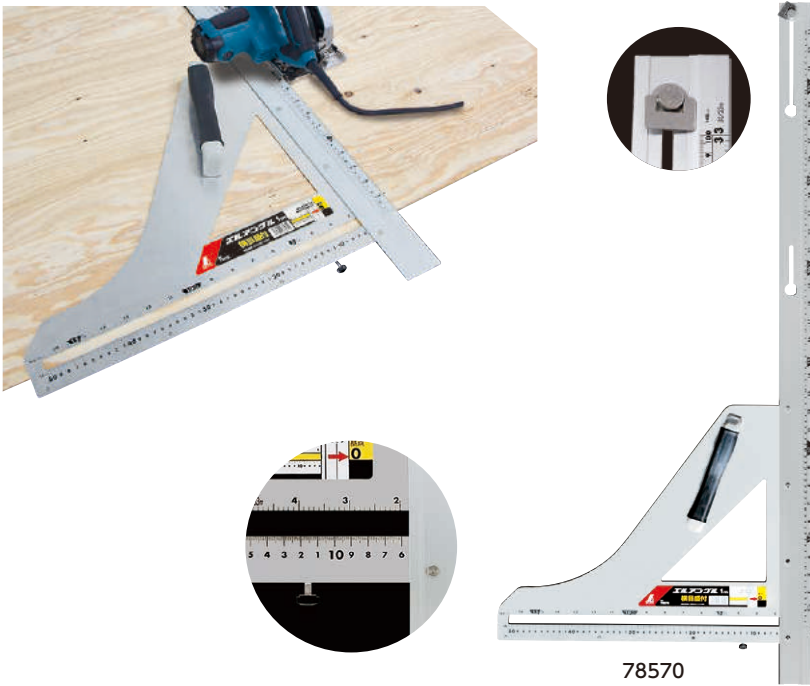
Use

- As a guide when using an electric circular saw with a circular saw guide

Specifications

Material	Body: Stainless steel
----------	-----------------------

Circular Saw Guide L-Angle with Horizontal Graduations



●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
78570	1 m/shaku	1,150×524×70	1,600	4 960910 785700	1	<input checked="" type="checkbox"/>

Refer to P. 2 about the shaku scale

Features

- Easily mark where to cut
- Wide base for better grip



- Stainless steel plate on guide edge

Use

- As a guide rule when making square cuts on boards with an electric circular saw
- For dimension measurements

Specifications

Perpendicularity	Less than 0.1 mm per 100 mm
Blade Graduation	3 shaku 3 sun
Horizontal Graduation	1 m
Edge Height	1 shaku 6 sun 5 bu
Material	Body: Aluminum Guide Surface: Stainless steel Handle: ABS resin, elastomer resin
Accessories	cutout positioning stick, brace fitting

Circular Saw Guide L-Angle with Support Plate



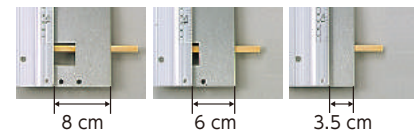
●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
77899	45 cm/shaku	580×335 - 380×70	1,360	4 960910 778993	2	<input checked="" type="checkbox"/>
77883	60 cm/shaku	750×365 - 410×70	1,650	4 960910 778832	2	<input checked="" type="checkbox"/>
77901	1 m/shaku	1,150×435 - 480×70	2,550	4 960910 779013	1	<input checked="" type="checkbox"/>

Refer to P. 2 about the shaku scale

Features

- Support plate protects material from scratching and allows uneven surfaces to be cut
- Support plate can be adjusted for different sizes of electric circular saws



- Features both shaku and metric graduations to come in handy for carpenters
- Stainless steel plate on guide edge
- Replacement support plate is available (sold separately)

Use

- As a guide rule when making square cuts on boards with an electric circular saw
- For dimension measurements

Specifications

Item Code	77899	77883	77901
Perpendicularity	Less than 0.1 mm per 100 mm		
Graduation	1 shaku 6 sun 5 bu	2 shaku	3 shaku 3 sun
Edge Height	50 cm	60.5 cm	1 m
Material	Body: Aluminum Guide Surface: Stainless steel Handle: ABS resin, elastomer resin Support Plate: Stainless steel		
Accessories	cutout positioning stick, brace fitting		

13. Circular Saw Guides

Circular Saw Guide L-Angle for Left-hander



77803



●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
77803	45 cm/shaku	580×300×70	900	4 960910 778030	2	
77805	60 cm/shaku	750×330×70	1,100	4 960910 778054	2	
77807	1 m/shaku	1,150×400×70	1,500	4 960910 778078	1	

Refer to P. 2 about the shaku scale

Features

- L-Angle for a left-handed person
- Stainless steel plate on guide edge

Use

- As a guide rule when making square cuts on boards with an electric circular saw
- For dimension measurements

Specifications

Item Code	77803	77805	77807
Perpendicularity	Less than 0.1 mm per 100 mm		
Graduation	1 shaku 6 sun 5 bu 50 cm	2 shaku 60.5 cm	3 shaku 3 sun 1 m
Edge Height	15 mm		
Material	Body: Aluminum Guide Surface: Stainless steel Handle: ABS resin, elastomer resin		
Accessories	cutout positioning stick		cutout positioning stick, brace fitting

Circular Saw Guide L-Angle Light



77966



77967

77919

●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
77966	45 cm	580×276×78	600	4 960910 779662	2	
77967	60 cm	750×276×78	700	4 960910 779679	2	
77919	1 m	1,150×355×78.5	1,200	4 960910 779198	1	

Features

- Lightweight circular saw guide is made of aluminum, stainless steel, and polycarbonate resin
- Stainless steel plate on guide edge

Use

- As a guide rule when making square cuts on boards with an electric circular saw

Specifications

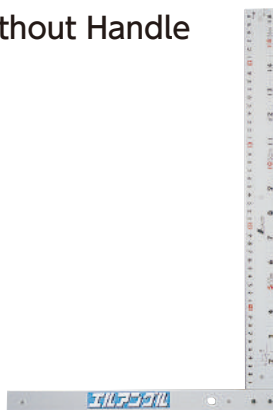
Item Code	77966	77967	77919
Perpendicularity	Less than 0.1 mm per 100 mm *at ordinary temperature		
Edge Height	15mm		
Material	Body: Aluminum, polycarbonate resin Guide Surface: Stainless steel Reinforcing Metal Fitting: Aluminum (77919)		
Accessories	—		cutout positioning stick

*The cutout positioning stick cannot be used for 45, 60 cm model.

Circular Saw Guide L-Angle without Handle



77858



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
77858	50 cm/shaku	500(40)×330(35)×20(5)	560	4 960910 778580	4	

Refer to P. 2 about the shaku scale

Features

- Find the square by aligning it to the edge
- Strong and lightweight thanks to aluminum and stainless steel bond

Use

- As a guide rule when making square cuts on boards with an electric circular saw
- For dimension measurements

Specifications

Perpendicularity	Less than 0.1 mm per 100 mm	
Graduation	1 shaku 6 sun 4 bu 46 cm	
Edge Height	8.8 mm	
Material	Body: Aluminum, stainless steel	

Carpenter's Squares
Stainless Steel Rules / Machine Scale
Aluminum Rules
Resin Rules / Bamboo Rules
Squares / Protractors
Vernier Calipers / Micrometers
Tape Measures
Surveying Products
Scales
Levels
Lasers / Optical Equipment
Inclines / Chalklines / Plumblines
Circular Saw Guides
Construction Tools
Industrial Tools
Thermometers / Hygrometers / Significant Measuring Instruments
Outdoor Products
Magnifying Glasses
Drawing Tools
Magnets

Circular Saw Guide L-Angle Fit

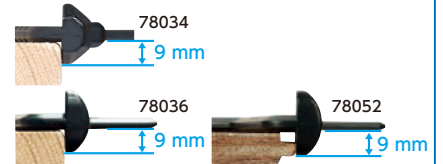


●Parts are listed from p.243

Item Code	Description		Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
78034	15 cm	⊘	220×220×24	250	4 960910 780347	4	C
78036	23 cm	⊘	304×280×24	440	4 960910 780361		
78052	30 cm	⊘	380×280×24	535	4 960910 780521		

Features

- 9 mm high fence fixes it tightly even to chamfered two-by-four lumber or floorboards



- Extended long grip can be gripped tightly without causing interference to circular saw motor
- 15 cm and 23 cm models are suitable for cutting 2x4 lumber, unfinished wood, and other construction materials. 30 cm model is suitable for floorboards.



- Rubber sheet on back side prevents slipping and scratching of material (78034/78052)



- 5 mm pitch graduations
- Stainless steel plate on guide edge

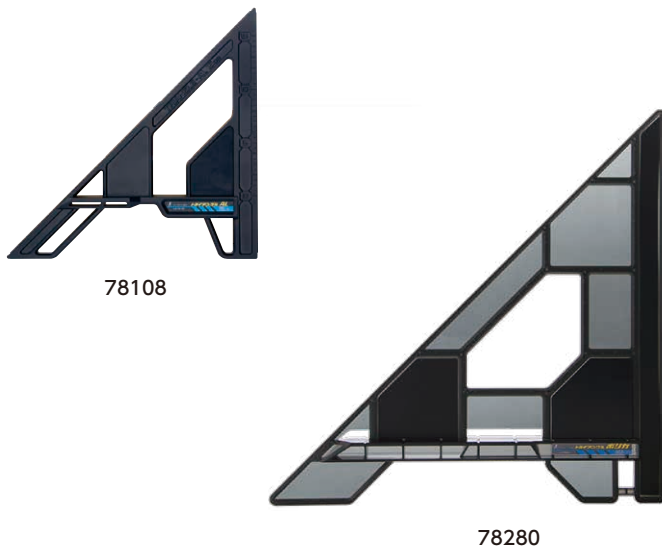
Use

- As a guide rule when making square cuts on lumber with an electric circular saw

Specifications

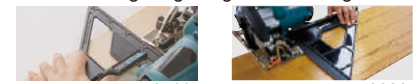
Perpendicularity	Less than 0.2 mm per 100 mm
Edge Height	9 mm
Material	Body: Aluminum Guide Surface: Stainless steel

Circular Saw Guide Triangle

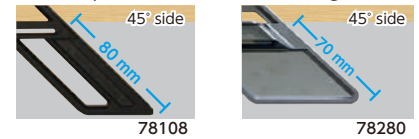


Features

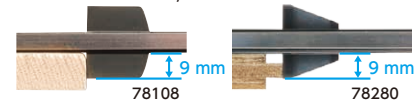
- Can be used for square and 45° cuts
- Rubber is attached to the reverse side of the position where the hand presses down, allowing stable cutting at right angles and 45° angles



- Light and durable due to polycarbonate resin. Resin is 44% the weight of aluminum, and 30 times stronger than acrylic. Will not scratch materials since it is made of resin. (78280)
- Guide protrudes for stable cutting



- 9 mm high fence fixes it tightly even to chamfered two-by-four lumber or floorboards



- Stainless steel plate on guide edge

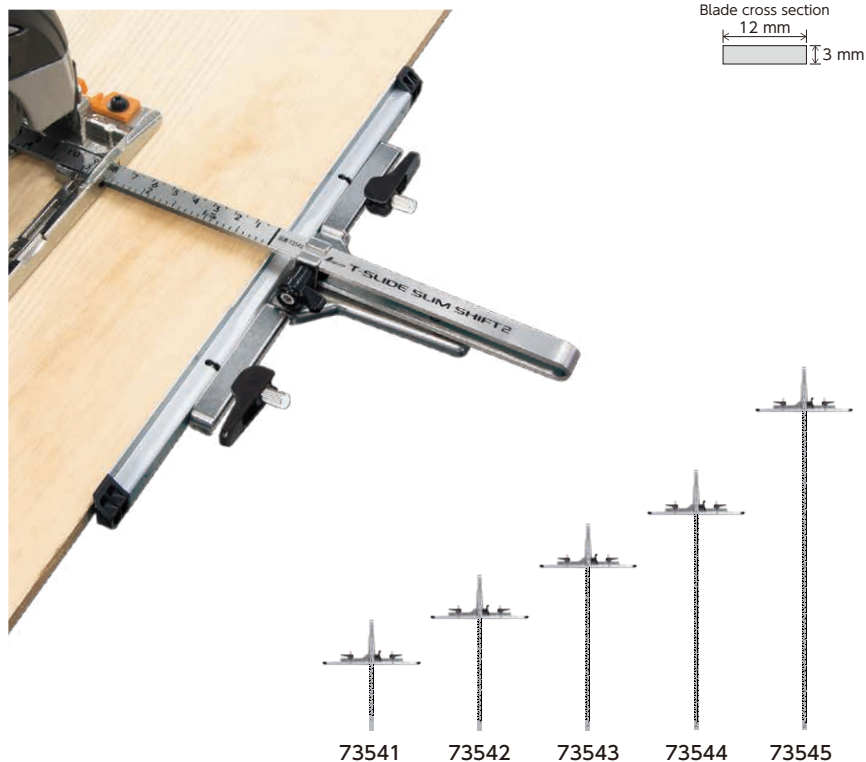
Use

- As a guide rule when making square or 45° cuts on lumber with an electric circular saw

Specifications

Item Code	78108	78280
Angle Tolerance	Less than 0.2 mm per 100 mm at 45° and 90°	
Edge Height	9 mm	
Material	Body: Aluminum Guide Surface: Stainless steel	Body: Polycarbonate resin Guide Surface: Stainless steel

Circular Saw Guide T-Slide Slim-shift 2 NEW



●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
73541	15 cm/shaku	325×275×20	255	4 960910 735415	6	
73542	30 cm/shaku	460×275×20	292	4 960910 735422		
73543	45 cm/shaku	610×275×20	331	4 960910 735439		
73544	60 cm/shaku	760×275×20	375	4 960910 735446		
73545	90 cm/shaku	1,060×275×20	456	4 960910 735453		

Circular Saw Guide T-Slide Slim-shift 2 Accessory NEW



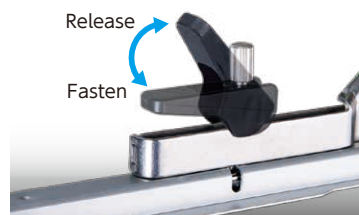
Easy to replace



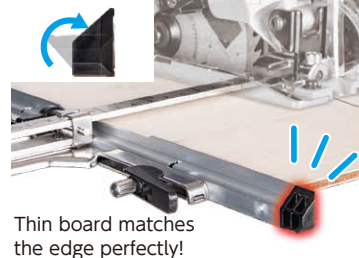
Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
73561	Slider for T-Slide Slim-shift Series	275×16×10	35	4 960910 735613	1	
73562	Slider Long Model for T-Slide Slim-shift Series	375×16×10	50	4 960910 735620		
47464	One-touch lever and screw set for T-Slide Slim-shift 2	37×36×9	5	4 960910 474642		

Features

●Switch between thin board cutting and narrow cutting with a single touch. Bring edge up to cut thin boards without them moving into the T-slide itself. Or, fold the edge down for narrow cuts.



Thin board mode



Narrow width mode



- Provides optimum end height so that even when cutting with 9 mm boards stacked on each other, it will not interfere with the second board
- Can be easily replaced if the edge surface or lever is damaged
- 10 cm longer than usual to enable stable cutting and trimming up to the edge of the material (73562)



Use

- As a guide rule when cutting thin wooden boards into smaller, long strips with an electric circular saw
- As a guide rule when cutting wooden boards into smaller, long strips with an electric circular saw
- For replacing the stopper on Circular Saw Guide T-Slide Slim-shift 2 (73561, 73562)

Specifications

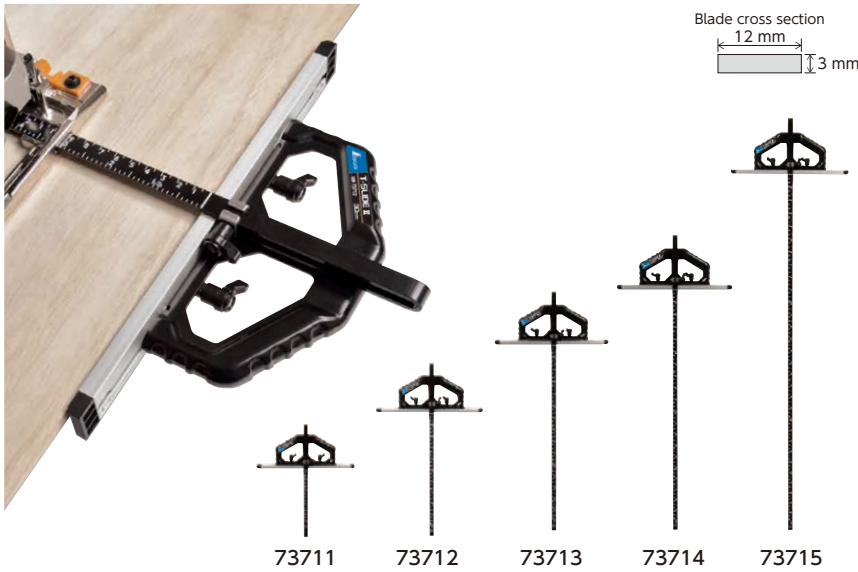
■T-Slide Slim-shift 2

Material	Blade, Joint: Stainless steel End: Aluminum, UHPE tape Protective Cap: Polycarbonate resin One-touch lever, Mounting Position Adjustment Screw (Guide stabilization metal fitting) : Polyacetal resin
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■Circular Saw Guide T-Slide Slim-shift 2 Accessory

Item Code	73561	73562	47464
Material	End : Aluminum, UHPE tape Protective Cap: Polycarbonate resin		One-touch lever : Polyacetal resin

Circular Saw Guide T-Slide II



●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
73711	15 cm/shaku	327×275×30	368	4 960910 737112	4	C
73712	30 cm/shaku	462×275×30	405	4 960910 737129		
73713	45 cm/shaku	612×275×30	448	4 960910 737136		
73714	60 cm/shaku	762×275×30	490	4 960910 737143		
73715	90 cm/shaku	1,062×275×30	575	4 960910 737150		

Refer to P. 2 about the shaku scale

Features

●Newly designed stabilizer does not fall off



Prevents arm from shifting left/right, or bending up/down. Ability to clamp on from top, bottom, left and right also prevents falling off.

●Quick-shift lock mechanism fixes arm easily and tightly



●Fence high enough for 3 pieces of 9 mm thick material



Use

●As a guide rule when cutting wooden boards into smaller, long strips with an electric circular saw

Specifications

Material	Arm: Iron Slider: Aluminum, UHPE tape Protective Cap, Edge Guide, Edge Clamping Plate: ABS resin Clamp Lever: Polyacetal resin
----------	---

Circular Saw Guide T-Slide Basic



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
73591	15 cm/shaku	280×220×15	164	4 960910 735910	8	C
73592	30 cm/shaku	430×220×15	207	4 960910 735927		
73593	45 cm/shaku	580×220×15	249	4 960910 735934		
73594	60 cm/shaku	730×220×15	292	4 960910 735941		

Refer to P. 2 about the shaku scale

Features

●Since the arm comes out directly from the slider, it can be fixed securely to thin boards even less than 5 mm without any risk of the board penetrating the space between the arm and slider



●Hard-to-rust, rigid construction due to all stainless steel material (SUS304)



●Includes holes for attaching wood as spacer with wood screws, which enables cutting to a narrow width

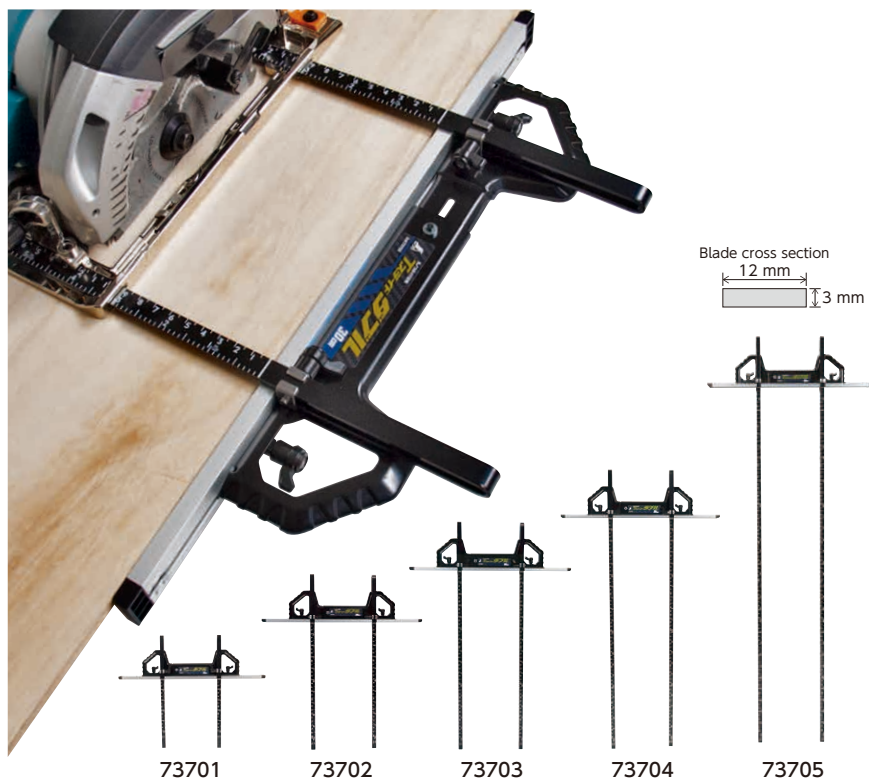
Use

●As a guide rule when cutting wooden boards into smaller, long strips with an electric circular saw

Specifications

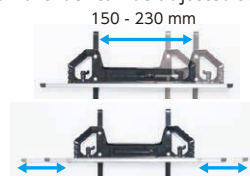
Material	Body: Stainless steel
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Circular Saw Guide T-Slide Double



Features

- Fixes to the base of an electric circular saw with two arms for stable cutting
- Interval between the two arms and the position of slider can be adjusted separately



- Newly designed stabilizer does not fall off. Prevents arm from shifting left/right, or bending up/down. Ability to clamp on from top, bottom, left and right also prevents falling off.



- Quick-shift lock mechanism fixes arm easily and tightly



- Fence high enough for 3 pieces of 9 mm thick material



●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
73701	15 cm/shaku	327×425×30	650	4 960910 737013	4	
73702	30 cm/shaku	462×425×30	730	4 960910 737020		
73703	45 cm/shaku	612×425×30	830	4 960910 737037		
73704	60 cm/shaku	762×425×30	920	4 960910 737044		
73705	90 cm/shaku	1,062×425×30	1,090	4 960910 737051		

Refer to P. 2 about the shaku scale

Use

- As a guide rule when cutting wooden boards into smaller, long strips with an electric circular saw

Specifications

Material	Body: Iron Slider: Aluminum, UHPE tape Protective Cap, Edge Guide, Edge Clamping Plate: ABS resin Clamp Lever: Polyacetal resin
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Circular Saw Guide I-Clamp One-touch



Fixed method



Fix it by pulling the one-touch lever

One-touch operation for fixing and releasing (back side)

●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
77822	1 m/shaku	1,172×60×30	1,200	4 960910 778221	1	
77821	1.2 m/shaku	1,402×60×30	1,300	4 960910 778214		
77823	2 m/shaku	2,172×60×30	2,000	4 960910 778238		
77824	2.4 m/shaku*	2,590×60×30	2,500	4 960910 778245		

Refer to P. 2 about the shaku scale

Features

- Fixes the rule on material with one touch. Not necessary to hold down the rule.
- Convenient not only for an electric circular saw but also as a cutter guide
- 2.4 m model can hold up to 8 shaku board
- One-touch operation for fixing and releasing
- Fastens rule securely without scratching materials
- Durable and lightweight, made of aluminum and stainless steel
- Comes with both shaku and metric graduations
- Stainless steel plate on both guide edges

Use

- As a guide rule when making straight cuts of wooden boards such as 3×6 boards and 4×8 boards with an electric circular saw
- As a cutter guide
- For dimension measurements

Specifications

Item Code	77822	77821	77823	77824
Straightness Tolerance	Less than 0.45 mm	Less than 0.5 mm	Less than 0.6 mm	Less than 0.7 mm
Clamping Size	Minimum	25 mm		
	Maximum	1,010 mm	1,240 mm	2,010 mm
Material	Body: Aluminum Mounting Part: Aluminum, urea resin, stainless steel Holding Lever, Edge Cap: ABS resin			
Accessories	2× cutout positioning sticks (6 × 6 × 160 mm)			

*Extra shipping fee charged separately.

Circular Saw Guide Free Angle Neo



Features

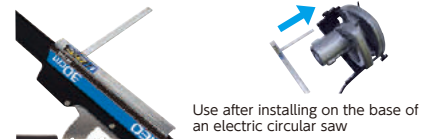
- Uses sturdy metal screws that are not easily damaged instead of plastic screws that don't stand up well against impact
- Flat folding screw
- Easy to turn, flap-type screw
- Rigid 3-D structure that resists deformation



- Hollow, wide, aluminum guide makes it light and durable



- Groove for Slider (sold separately, Item Code 78236): Just slide it in the groove to prevent shifting during cutting



- Guide surface is thin stainless steel

Use

- As a guide rule when making angular cuts on lumber with an electric circular saw
- As a guide rule when making cuts based on scribed angles from other materials

Specifications

Item Code	73160	73166	73161	73162	73163
Perpendicularity (at 90°)	Less than 1 mm per 300 mm	Less than 1.3 mm per 370 mm	Less than 1.6 mm per 450 mm	Less than 2.1 mm per 600 mm	Less than 3.5 mm per 1000 mm
Material	Body: Stainless steel, aluminum Stopper Screw: Stainless steel, brass Protector Cap: Polyacetal resin				
Accessories	cutout positioning stick				

●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
73160	30 cm	465×142×20	630	4 960910 731608	1	SP
73166	37 cm	535×142×20	650	4 960910 731660	(5)	
73161	45 cm	615×142×20	700	4 960910 731615	1	
73162	60 cm	765×170×20	880	4 960910 731622	1	
73163	1 m	1,165×170×20	1,080	4 960910 731639	1	

Circular Saw Guide Free Angle Multi



HOW TO USE

Fix slider to an electric circular saw and slide it in the groove to cut straight.



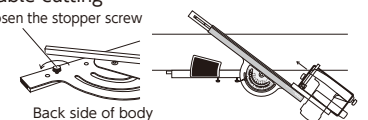
Features

- Slider comes as standard
- With groove for slider - just slide it in the groove to prevent shifting during cutting



- Easily adjust length and angles
- Replacement guides enable length adjustment *30 cm guide comes as standard. 45 cm and 60 cm guides (sold separately) can be used to extend length.
- Aluminum guide can be locked at any position
- Cutting position can be adjusted for stable cutting

Loosen the stopper screw



Use

- As a guide rule when making angular cuts on lumber with an electric circular saw
- As a guide rule when making cuts based on scribed angles from other materials

Specifications

■ Free Angle Multi

Perpendicularity (at 90°)	Less than 1 mm per 300 mm
Material	Body: Stainless steel, aluminum Stopper Screw: Stainless steel, brass
Accessories	Slider, cutout positioning stick, stopper screw (flat)

●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
78232	Free Angle Multi with Guide Rule 30 cm	455×145×23	750	4 960910 782327	4	SP
78233	Guide Rule 30 cm for Free Angle Multi	455×30×5	130	4 960910 782334	5	VH
78234	Guide Rule 45 cm for Free Angle Multi	605×30×5	171	4 960910 782341	5	
78235	Guide Rule 60 cm for Free Angle Multi	755×30×5	213	4 960910 782358	5	

Circular Saw Guide Free Angle One-touch



78450

●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
78450	1 m	1,230×425×30	2,200		1	
78451	1.2 m	1,460×425×30	2,500		1	

Features

- Fixes rule on material with one touch
- One-touch operation for fixing and releasing
- An electric circular saw can be operated with both hands
- Easy-to-read gradient graduation
- Clear polycarbonate board helps to see cutting point
- Pin can be used to fix on soft material such as plasterboard



Use

- As a guide rule when making angular cuts on lumber with an electric circular saw

Specifications

Item Code	78450	78451
Perpendicularity (at 90°)	Less than 3.5 mm per 1,000 mm	
Material	Body: Stainless steel, aluminum Stopper Screw: Stainless steel, brass Assist plate: Polyacetal resin	
Accessories	Assist plate	

Circular Saw Guide Mini Free Angle Justy



78079



78176

●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
78079	Quick Adjust 23 cm	350×105×26	360		4	
78176	II 23 cm	350×105×26	360		5	

Features

- Adjustable to any angle from 20° - 160°
- Gradient graduation from 3 sun to 8 sun
- Turn over to use on wider material
- Quick Adjust
 - Easily lock at certain angles (45°, 90°, 135°)
 - Flat stopper screw that does not interfere with an electric circular saw (78079, 78217)
- Justy II/Mini Free Angle II
 - Easy-to-read black lettering on white graduation board
 - Uses sturdy metal screws that are not easily damaged instead of plastic screws that don't stand up well against impact
 - Flat folding screw

Use

- As a guide rule when making angular cuts on lumber with an electric circular saw
- As a guide rule when making cuts based on angles scribed from other materials

Specifications

■ 23 cm

Item Code	78079	78176
Perpendicularity (at 90°)	Less than 1 mm per 300 mm	
Material	Body: Stainless steel Stop Switch: ABS resin, polyacetal resin Stopper Screw: Stainless steel, brass Stopper Screw (flat): ABS resin	Body: Stainless steel Stopper Screw: Stainless steel, brass
Accessories	cutout positioning stick Stopper screw (flat)	

30 cm

Item Code	78217	78179
Perpendicularity (at 90°)	Less than 1 mm per 300 mm	
Material	Body: Stainless steel, aluminum Stop Switch: ABS resin, polyacetal resin Stopper Screw: Stainless steel, brass Stopper Screw (flat): ABS resin	Body: Stainless steel, aluminum Stopper Screw: Stainless steel, brass
Accessories	cutout positioning stick Stopper screw (flat)	

Circular Saw Guide Mini Free Angle



78217

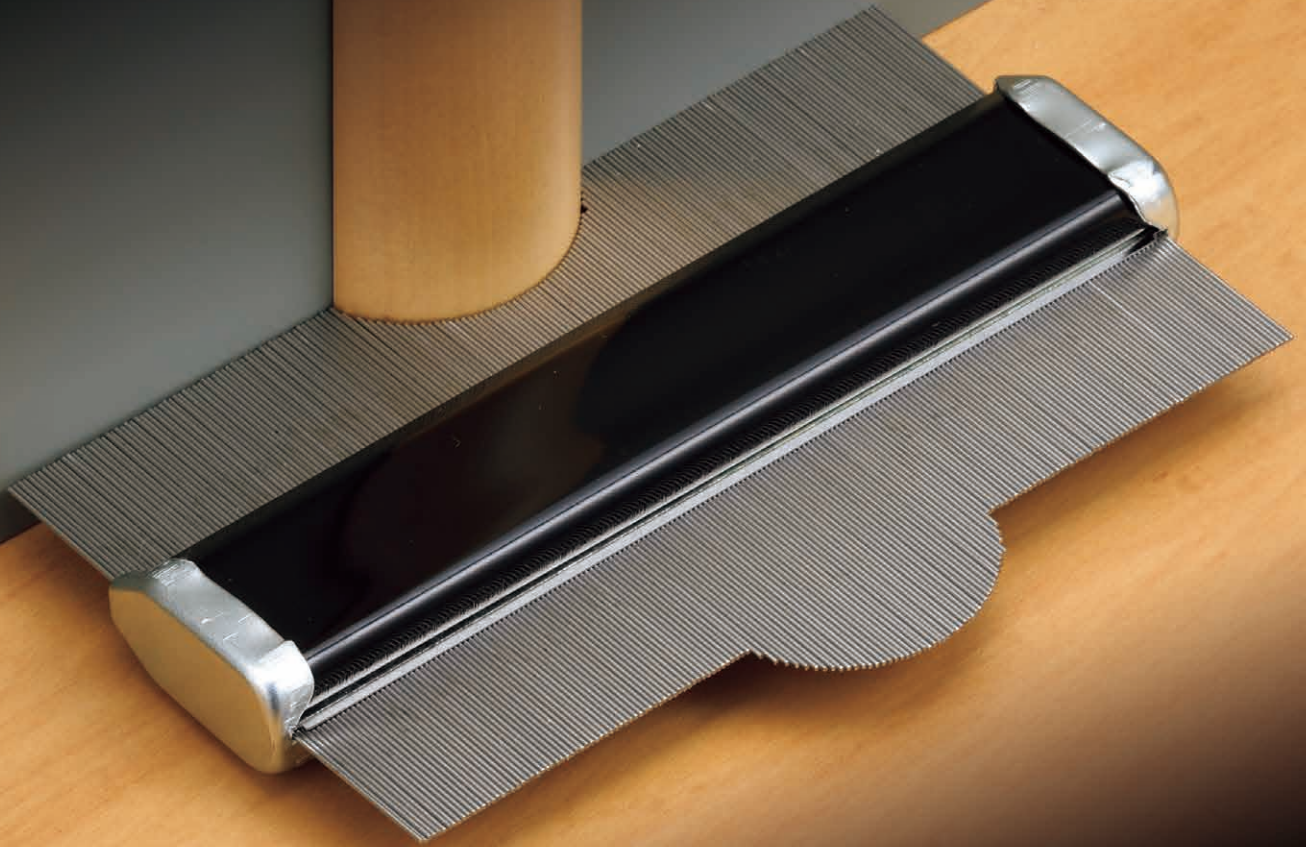


78179

●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
78217	Quick Adjust 30 cm	439×100×26	460		4 (24)	
78179	II 30 cm	439×112×23	450		5	

14. Construction Tools



Carpenter's Squares
Stainless Steel Rules/ Machine Scale
Aluminum Rules
Resin Rules/ Bamboo Rules
Squares/ Protractors
Vernier Calipers/ Micrometers
Tape Measures
Surveying Products
Scales
Levels
Lasers/ Optical Equipment
Inclines/ Chalklines/ Plumblines
Circular Saw Guides
Construction Tools
Industrial Tools
Thermometers/ Hygrometers/ Environmental Measuring Instruments
Outdoor Products
Magnifying Glasses
Drawing Tools
Magnets

Scan here to see videos of various products



Stud Finder Features

Pro 25 mm	Pro 35 mm	Pro 35 mm with Magnet	Pro 45 mm	Basic 25 mm	Basic 35 mm	Basic 35 mm with Magnet	Basic 45 mm
▶p.171	▶p.171	▶p.171	▶p.171	▶p.171	▶p.171	▶p.171	▶p.171
Firm grip				Easy to hold size			
Inner pipe to prevent needle bending							
Large hook hole				Large lock switch			
		Metal detection				Metal detection	

Features

Firm grip

Professional model shaped to fit the hand, with a non-slip elastomer resin grip.



Easy to Hold Size

Basic model with a firm grip and a size that can fit into a tool pouch.



Inner Pipe to Prevent Needle Bending

Equipped with a stainless steel guide for straight penetration and a telescopic inner pipe that prevents needle from bending.



Large Hook Hole

Large hook hole for attaching to a swivel, etc.



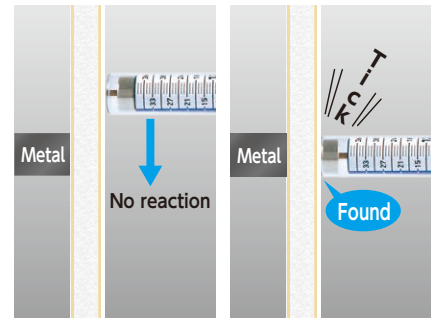
Large Lock Switch

Large lock switch makes it easy to lock.



Metal Detection

Metal studs can be found by the magnet's reaction instead of the needle.

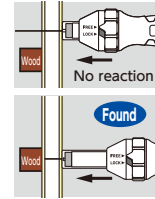


Carpenter's Squares
Stainless Steel Rules/ Machine Scale
Aluminum Rules
Resin Rules/ Bamboo Rules
Squares/ Protractors
Vernier Calipers/ Micrometers
Tape Measures
Surveying Products
Scales
Levels
Lasers/ Optical Equipment
Inclines/ Chalklines/ Plumblines
Circular Saw Guides
Construction Tools
Industrial Tools
Thermometers/ Hygrometers/ Sigmameters/ Measuring Instruments
Outdoor Products
Magnifying Glasses
Drawing Tools
Magnets

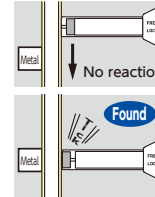
Stud Finder Pro

- 78990** 
 Needle : Wall thickness up to **25** mm
- 78991** 
 Needle : Wall thickness up to **35** mm
- 78992** 
 Needle : Wall thickness up to **35** mm
 Magnet : Wall thickness up to **13** mm / ceiling thickness up to **12** mm
*When finding steel material behind plasterboards, the usable area of magnet can vary depending on conditions.
- 78993** 
 Needle : Wall thickness up to **45** mm

Detection with the needle
Wooden studs can be found by using the needle



Detection with magnet
Metal studs can be found from sounds without the needle



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
78990	25 mm	φ36×185	65	4 960910 789906	6	SP
78991	35 mm	φ36×195	65	4 960910 789913		
78992	35 mm with Magnet	φ36×214	72	4 960910 789920		
78993	45 mm	φ36×205	65	4 960910 789937		

Features

- Needle-type stud finder for plasterboards
*Cannot be used on reinforced plasterboards.
- Finds studs behind wall panels easily and accurately
- Equipped with a stainless steel guide for straight penetration and a telescopic inner pipe that prevents needle from bending



- Graduations to measure the thickness of the wall material approximately
- Elastomer grip that fits snugly and does not slip
- Includes two replacement needles inside
- Safety lock feature prevents the needle from coming out accidentally
- Large hook hole for attaching to a swivel, etc.
- 10 spare needles (sold separately; 79021 for 25 mm, 79022 for 35/45 mm) can be stored inside grip
- Magnetic model
 - Can detect location of nails or metal studs (steel) under wallpaper without scratching the wall

Use

- For finding studs behind plasterboards

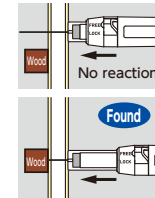
Specifications

Material	Material
	Body, Thread Holding Guide: ABS resin Movable Needle Cover: Polycarbonate resin, ABS resin, stainless steel, brass Elastomer Grip: ABS resin, elastome resin Needle: Stainless steel Magnet: Neodymium (78992)

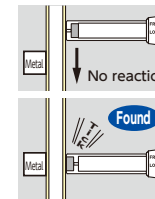
Stud Finder Basic

- 79023** 
 Needle : Wall thickness up to **25** mm
- 79024** 
 Needle : Wall thickness up to **35** mm
- 79025** 
 Needle : Wall thickness up to **35** mm
 Magnet : Wall thickness up to **13** mm / ceiling thickness up to **12** mm
*When finding steel material behind plasterboards, the usable area of magnet can vary depending on conditions.
- 79026** 
 Needle : Wall thickness up to **45** mm

Detection with the needle
Wooden studs can be found by using the needle



Detection with magnet
Metal studs can be found from sounds without the needle



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
79023	25 mm	160×28×22	37	4 960910 790230	10	SP
79024	35 mm	170×28×22	37	4 960910 790247		
79025	35 mm with Magnet	189×28×22	41	4 960910 790254		
79026	45 mm	180×28×22	37	4 960910 790261		

Features

- Needle-type stud finder for plasterboards
*Cannot be used on reinforced plasterboards.
- Finds studs behind wall panels easily and accurately
- Easy-to-grip shape enables the needle to penetrate with force
- Safety lock feature prevents the needle from coming out accidentally
- Large lock switch for easy operation
- Includes two replacement needles inside
- 10 spare needles (sold separately; 79021 for 25 mm, 79022 for 35/45 mm) can be stored inside grip
- Graduations to measure the thickness of the wall material approximately



- Magnetic model
 - Can detect location of nails or metal studs (steel) under wallpaper without scratching the wall

Use

- For finding studs behind plasterboards

Specifications

Material	Material
	Body: ABS resin Movable Needle Cover: Polycarbonate resin, ABS resin, stainless steel, brass Needle: Stainless steel Magnet: Neodymium (79025)

Replacement Needle for Stud Finder

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
79021	10 pc-pack for Stud Finder 25 mm	φ0.7×70	-	4 960910 790216	10	V
79022	10 pc-pack for Stud Finder 35/45 mm	φ0.7×80	-	4 960910 790223		

Features

- Stud Finder Pro/Basic/Smart replacement needles

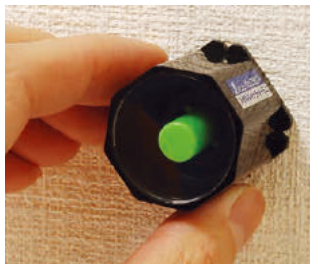
Specifications

Material	Material
	Stainless steel

Metal Stud Finder



78674 Wall thickness up to **15** mm



Features

- Strong magnetic pendulum helps to find metal studs behind a wall or the position of nails or screws without scratching the wallpaper
- Easily detects with magnetic reaction
- Compact and lightweight. Great portability.
- Reacts to magnetic pull from any direction with 360° rolling system



Use

- Find screws under wallpaper to detect studs

Specifications

Material	Body: ABS resin Windshield Cover: Acrylic resin Magnet: Neodymium
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Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
78674	Mini	30×30×31.5	13	4 960910 786745	10	

Tile Percussion Hammer



74102



74106



74103



74104



74105



With strap (except 74106)

Features

- Contracts to pocket size for great portability
- High-strength stainless steel shaft

Use

- For inspecting integrity of tiles

Specifications

Item Code	74102	74103	74104
Maximum Elongation	435 mm	725 mm	1,170 mm
Globe Part	φ17.5 mm		
Material	Shaft: Stainless steel Globe Part: Tool steel Grip: Rubber Strap: Nylon		

Item Code	74105	74106
Maximum Elongation	990 mm	605 mm
Globe Part	φ17.5 mm	
Material	Shaft: Stainless steel Globe Part: Tool steel Strap: Nylon	Shaft: Stainless steel Globe Part: Tool steel

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
74102	A-1	130×18×18	71	4 960910 741027	5	
74103	A-2	165×18×18	90	4 960910 741034		
74104	A-3	220×18×18	111	4 960910 741041		
74105	A-4	300×18×18	126	4 960910 741058		
74106	B-1	147×17.5×17.5	61	4 960910 741065		

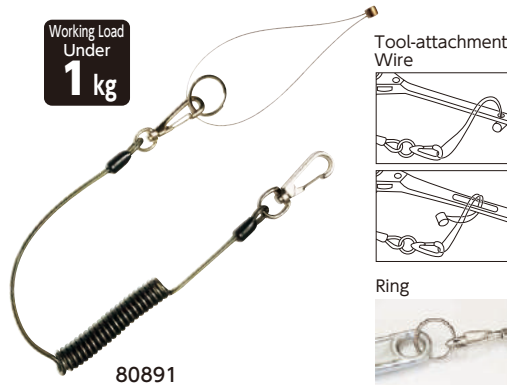
Safety Cord

Working Load Under
500 g



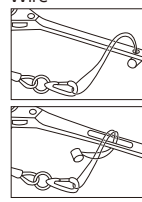
80890

Working Load Under
1 kg



80891

Tool-attachment Wire



Ring



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
80890	A	340×22×10	25	4 960910 808904	10	SP
80891	B	500×30×11	73	4 960910 808911	10	SP

Features

- Stainless steel wire is used as a core material for better durability, and polyurethane resin provides flexibility
- Come with tool-attachment wire and ring

Use

- To prevent tools falling

Specifications

Item Code	80890	80891	
Cord Size	Diameter	φ1.65 mm	φ4.0 mm
	Core Diameter	φ0.6 mm	φ1.0 mm
	Natural Length	Approx. 340 mm	Approx. 500 mm
	Stretched Length	Approx. 1,200 mm	Approx. 1,400 mm
Working Load	Under 500 g	Under 1 kg	
Material	Cord: Stainless steel, polyurethane resin Tool-attachment Wire: Stainless steel (nylon coating), brass Swivel: Zinc alloy Ring: Iron		

Fabric Safety Cord 2

Working Load Max.
1 kg



75271

75272

75275

75276

75277

Working Load Max.
3 kg



75273

75274

75286

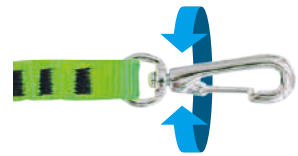
75287

75288

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
75271	A Black	720×12×15	65	4 960910 752719	10	C
75272	A Orange	720×12×15	65	4 960910 752726		
75275	A Blue	720×12×15	65	4 960910 752757		
75276	A Green	720×12×15	65	4 960910 752764		
75277	A Pink	720×12×15	65	4 960910 752771		
75273	B Black	720×15×15	90	4 960910 752733		
75274	B Orange	720×15×15	90	4 960910 752740		
75286	B Blue	720×15×15	90	4 960910 752863		
75287	B Green	720×15×15	90	4 960910 752870		
75288	B Pink	720×15×15	90	4 960910 752887		

Features

- Cloth-made bellows structure resists tangling
- Swivel rotates 360°



Use

- To prevent dropping and losing various tools



Specifications

Item Code	75271	75272	75275	75276	75277
Cord Size	Natural Length	Approx. 720 mm			
	Stretched Length	Approx. 1,430 mm			
	Width	12 mm			
Working Load	Under 1 kg				
Material	Cord: Nylon Saddle Snap: Zinc alloy				

Item Code	75273	75274	75286	75287	75288
Cord Size	Natural Length	Approx. 720 mm			
	Stretched Length	Approx. 1,450 mm			
	Width	15 mm			
Working Load	Under 3 kg				
Material	Cord: Nylon Saddle Snap: Zinc alloy				

Digital Moisture Meter for Wood

With protective cap



- Measures moisture content of various wood types

Material (wood)

No. 1	Chestnut, Scots pine, cherry, radiata pine, spruce, Western hemlock, zelkova, walnut, Dahurian larch, birch, Japanese larch, larch, Douglas fir, beech, Dragon spruce, Japanese red pine
No. 2	Japanese cedar, tamarisk, Japanese cypress, Japanese maple, Sakhalin fir, oak, paulownia, Sakhalin spruce, ash, pink shower tree



78636

Includes storage case



Know at a glance the numerical value's increase or decrease on the moisture content bar graph

●Parts are listed from p.243

Features

- Can easily measure the moisture of wood, and supports a wide variety from building materials to firewood
- Backlight function to make LCD screen easy to see even in dark places
- Holds the measured value so the numerical value can be checked even when the LCD screen is hard to see
- Can display the highest/lowest moisture content during measurement
- Includes storage case

Use

- For measuring the moisture content of wood

Specifications

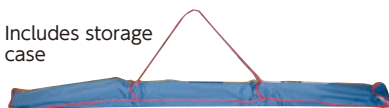
Measurement Method	Electrical resistance
Measurement Range	Moisture content: 6.8 - 60% Temperature: -10 - 50°C*1 Humidity: 10 - 90%*1
Accuracy	Moisture Content: ±2%
Use Temperature	-10 - 50°C
Storage Temperature	-40 - 60°C
Resolution	Moisture Content: 0.1% Temperature: 0.1°C Humidity: 0.1%
Auto Power Off	Approx. 10 min.*2
Power Source	2x AAA batteries (Batteries included are for trial use only and may not last as long)
Material	Body: ABS resin, elastomer resin Measuring Probes: Stainless steel Button: Silicone rubber
Accessories	Storage case, 2x AAA batteries

*1 Since the accuracy of the temperature/humidity measurement function cannot be guaranteed, please use as an approximation.
 *2 When the device turns off due to the Auto Power Off function, the power button must be pressed twice to turn it on again.

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
78636	with Maximum and Minimum Hold Function	130×55×29	144	4 960910 786363	1	

Folding Square

Includes storage case



77840

Legs are detachable.

Features

- Angle and gradient graduations. Convenient for setting and reading of angle (gradient).



- Detachable legs allow use for layout of leading frames with legs and for marking on foundations or as a bevel without legs. The leg expansion from 50cm to 80 cm helps use with high ground foundations.

Use

- For layout of leading frames and getting a right angle when marking on foundations
- For marking angle and gradient as a sliding bevel

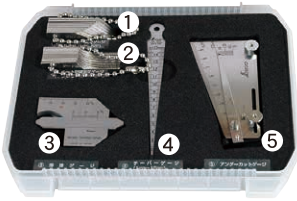
Specifications

Accuracy	90°: Less than 1 mm per 1,000 mm (±1.8 mm at 1,800 mm) Other than 90°: Accuracy not guaranteed Please use as a guide.
Graduation	Angle: 30 - 90° Gradient: 0 - 9/10 (9 sun gradient) Flat Gradient: 6/10 - 9/10 (6 sun - 9 sun gradient)
Body Size	At 90 degrees: 1,823 × 1,823 × 20 mm (excluding legs)
Material	Body: Aluminum Legs: Aluminum, stainless steel

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
77840	1.8 m	1,823×80×20 (excluding legs)	4,300 (Including legs)	4 960910 778405	1	

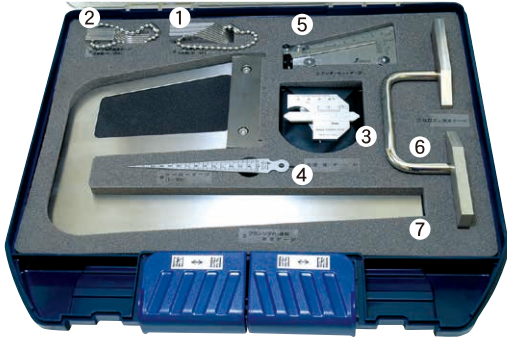
Refer to P. 2 about the shaku scale

Measuring Instrument Set for Steel Fabrication



97575

Includes storage case



97794

Includes storage case



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	packaging
97575	5 Items	234×195×40	870	4 960910 975750	1	B
97794	7 Items	425×375×70	3,600	4 960910 977945	1	B

As a set

Item Code	C.D.	Description	Example Usage
97784	6	① Bevel Angle Measuring Gauge 9 Leaves (30 - 50°)	Measuring oxygen cutting in manufacture process inspection, bevel angle inspection in beveling edge preparation
97786	0	② Route Interval Measuring Gauge 9 Leaves (4 - 12 mm)	Measuring oxygen cutting in manufacture process inspection, route side inspection in beveling edge preparation
* 58691	8	③ Welding Gauge A	For various welding inspections such as leg length and reinforcement welding
* 62600	3	④ Taper Gauge No.700A 1 - 15 mm	Measuring various gap spaces
* 58695	6	⑤ Undercut Gauge	Measuring depth of overlay undercut
97788	4	⑥ Joint Offset Measuring Gauge	Measuring joint offset
97790	7	⑦ Flange Bend, Gradient Measuring Gauge	Measuring gap space of flange

*Listed separately

Features

- Convenient gauges for appraisal of steel fabrication are packed into handy kit. Helps to have better productivity and prevents loss.

Use

- For accuracy confirmation of steel frames

Specifications

■ Gauge

Item Code	97575	97794
材質	Polypropylene resin	ABS resin

■ Case

1. Bevel Angle Measuring Gauge 9 Leaves (30 - 50°) (97784)



Accuracy	±1°
Pitch	2.5°
Material	Body: Stainless steel
Body Size	30° × 65 × 18 mm
Weight	226 g

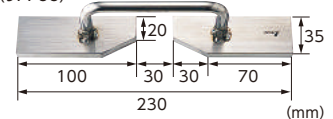
2. Route Interval Measuring Gauge 9 Leaves (4 - 12 mm) (97786)



Accuracy	±0.1 mm
Pitch	1 mm
Material	Body: Stainless steel
Body Size	20 × 65 × 18 mm
Weight	134 g

3. Welding Gauge A (58691) (Refer to P. 175)
4. Taper Gauge No.700A 1 - 15mm (62600) (Refer to P. 182)
5. Undercut Gauge (58695) (Refer to P. 176)

6. Joint Offset Measuring Gauge (97788)



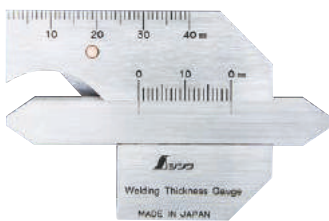
Accuracy	Gap of less than 0.5 mm
Material	Body: Stainless steel
Body Size	65 × 230 × 35 mm
Weight	620 g

7. Flange Bend Gauge (97790)



Accuracy	Straightness of less than 0.2 mm, squareness of less than 0.5 mm/140 mm
Material	Body: Stainless steel
Body Size	217 × 335 × 12 mm
Weight	794 g

Welding Gauge



58691



58692

Features

- Welding Gauge A
 - Able to measure easily, swiftly, and accurately
 - With storage case
- Welding Gauge B
 - Lightweight and thin, convenient to carry
 - Bevel angle can be measured with plate since the gauge is short
 - Measures leg length more accurately since tip of the gauge avoids the leg
 - With hole for a strap



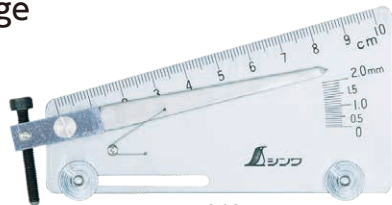
Use

- For various welding inspections such as leg length and reinforcement welding (58691)
- For measuring leg length, bevel angle, and plate thickness (up to 20 mm) (58692)

Specifications

Item Code	58691	58692
Measuring Range	Length: 0 - 40 mm Leg length/thickness measurement: 0 - 20 mm Bevel angle measurement: 60°	Leg length/thickness measurement: 0 - 20 mm Bevel angle measurement: 60°
Accuracy	Gap/Length: ±0.2 mm (in 20 mm, 40 mm) Angle: ±1.5°	Leg length/thickness measurement: ±0.3 mm Bevel angle measurement: ±2.0°
Material	Body: Stainless steel	

Undercut Gauge



58695

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
58695	Undercut Gauge	115×58×18	86		1	

Features

- Stable foundation for easy readout

Use

- For undercut depth measurement of weld overlay

Specifications

Accuracy	±0.05 mm (1.0 mm or less)
Material	Body: Stainless steel, brass, iron

Carpenter's Squares
Stainless Steel Rules/
Machine Scale

Aluminum Rules

Resin Rules/
Bamboo Rules

Welding Guide Rule



77888

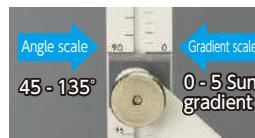


Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
77888	1 m with Magnet	1,010×550×54 (at 90°)	1,500		1	

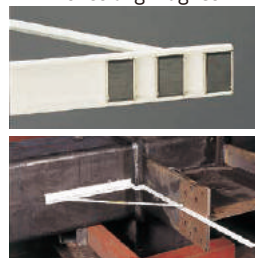
Refer to P. 2 about the shaku scale

Features

- Insulating coating on the rule surface. This prevents sparks even if welding rods touch it.
- Body is made out of aluminum for light weight and easy use
- Angles can be changed easily. Angle/gradient graduations eliminate the need to make a mold for each building.



- Strong magnet fixes it tightly on a surface
With strong magnet



Use

- For tack welding
- For measuring and setting of angle and gradient

Specifications

Accuracy	Perpendicular: 1 mm or less per 1,000 mm
Graduation	Angle: 45 - 135° Gradient: Up to 5/10 (5 sun gradient)
Material	Body: Aluminum Rivet: Stainless steel

Squares/
Protractors

Vernier Calipers/
Micrometers

Tape Measures

Surveying Products

Scales

Levels

Lasers/
Optical Equipment

Inclines/
Chalklines/
Plumbholders

Circular Saw Guides

Construction Tools

Construction Permission White Board

建設業の許可票	
商号又は名称	
代表者の氏名	
代表者の職名	
代表者の専任の有無	
代表者の資格	
一般競争入札決定記録の別	
許可を受けた建設業	
許可番号	国土交通大臣 許可()第 号
許可年月日	年 月 日

79077

労災保険関係成立票	
保険関係成立年月日	年 月 日
労働保険番号	
事業の期間	自 年 月 日 至 年 月 日
事業主の住所氏名	
注文者の氏名	
事業主代理人の氏名	

79078

建築基準法による確認済	
確認年月日番号	年 月 日 第 号
確認済証交付者	
建築主又は建築主氏名	
設計者氏名	
工事監理者氏名	
工事施工者氏名	
工事現場管理者氏名	
建築確認に係るその他の事項	

79079

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
79077	"建設業の許可票" 40 x 50 cm	400×500×1	195		5	
79078	"労災保険関係成立票" 40 x 50 cm	400×500×1	195		5	
79079	"建築基準法による確認済" 40 x 50 cm	400×500×1	195		5	

Features

- Uses an easy-to-see font
- Anti-reflective surface
- Includes holes for securing with nails



Use

- For display on construction sites



Specifications

Material	Polypropylene synthetic resin
Storage Temperature	-20 - 50°C

Industrial Tools

Thermometers/
Hygrometers/
Scientific Measuring Instruments

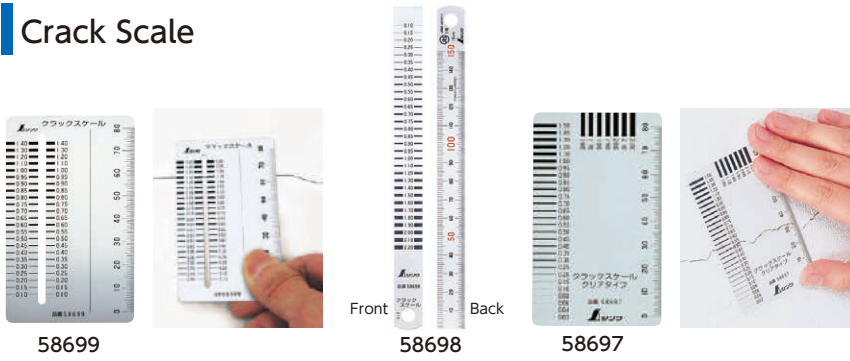
Outdoor Products

Magnifying Glasses

Drawing Tools

Magnets

Crack Scale



Features

- Card and 15 cm rule models are made of stainless steel for rigidity and durability
- Clear model allows easy matching (or measuring) of cracks

Use

- For inspection of concrete cracks in walls and foundations

Specifications

Item Code	58699	58698	58697
Measuring Range	Clearance: 0.10 - 1.40 mm Length: 0 - 80 mm	Clearance: 0.10 - 2.20 mm Length: 0 - 150 mm	Clearance: 0.03 - 2.20 mm Length: 0 - 80 mm
Accuracy	±0.05 mm		±0.02 mm
Material	Stainless steel		Polyester

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
58699	Card Type	55×91×0.3	12	4 960910 586994	10 (50)	B
58698	Rule Type 15 cm JIS Red	175×15×0.5	10	4 960910 586987		
58697	Clear Type	55×91×0.2	1	4 960910 586970		

Profile Gauge



Features

- Gauge adapts to any shape
- Rust-resistant stainless steel pins

Use

- For shaping the angles of carpets/mats and curves in wood or steel

Specifications

Item Code	77970	45002	77971	44600	77984	44601
Usable Range	Approx. 148 × 49 mm (width × depth)	Approx. 293 × 106 mm (width × depth)	Approx. 293 × 106 mm (width × depth)	Approx. 190 × 81 mm (width × depth)	Approx. 190 × 81 mm (width × depth)	Approx. 190 × 81 mm (width × depth)
Numbers of Strings	Approx. 185 pcs	Approx. 280 pcs	Approx. 280 pcs	Approx. 195 pcs	Approx. 195 pcs	Approx. 195 pcs
String Size	φ0.8 × 84 mm	φ1.0 × 150 mm	φ1.0 × 150 mm	φ1.0 × 120 mm	φ1.0 × 120 mm	φ1.0 × 120 mm
Material	Pins: Stainless steel					

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
77970	A 150 mm	150×84×18	230	4 960910 779709	6	S
45002	A 150 mm En	150×84×18	230	4 960910 450028		
77971	B 300 mm	300×150×31	977	4 960910 779716	4	SP
44600	B 300 mm En	300×150×31	977	4 960910 446007		
77984	C 200 mm	203×120×22	465	4 960910 779846	5	S
44601	C 200 mm En	203×120×22	465	4 960910 446014		

Log Scriber



Features

- Essential compass for scribing to build a log house
- Works as double scriber by replacing the needle with a Scribe Ink Pencil
- Level on the front for better visibility when scribing
- Line drawn by a Scribe Ink Pencil is black and can be erased. If it gets wet, the line turns to blue and cannot be erased.
- Fine adjustment simple even after fixing scribe width

Use

- For scribing around lumber when building a log house
- *Scribe the roundness of lower log to upper log. Scribe on A with needle and draw a line to B by holding Double Scriber horizontally.

Specifications

Level	Sensitivity: 0.5 mm/m = ±0.0286° Accuracy: ±2.5 mm/m = less than ±0.1432°
Material	Body: Stainless steel Liquid: Petroleum liquid Level Body: ABS resin Vial: Acrylic resin

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
77590	Log Scriber	250×55×70	350	4 960910 775909	1	SP
44625	Log Scriber En	250×55×70	350	4 960910 446250		
77597	Replacement Scribing Ink Pencil 2 pc-pack for Log Scriber	φ7.5×175	5	4 960910 775978		

15. Industrial Tools



Scan here to see videos of various products



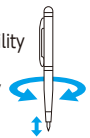
Packaging **S** Shrink package **B** Box **VH** Vinyl package + header card **C** Card **N** No package
SP Sleeve package **BI** Bag **CI** Clear package **VI** Vinyl package

Scribing Needle



Features

- A
 - Comes with superhard chip
- B
 - Comes with superhard chip
- C
 - Comes with superhard chip
 - Needle can retract for good portability
 - Needle can be replaced
- D
 - Compact and can be stored easily in a tool box
 - Needle can be replaced
- E
 - Needle can retract for good portability
 - Needle can be replaced
 - Needle retracts by turning body



Use

- For scribing on general metal material, plastic, and wood



Specifications

Item Code	78638	78646	78654
Material	Body: Iron Tip: Superhard chip		Body: ABS resin Tip: Superhard chip
Item Code	74444		74445
Material	Body: Brass Tip: Tungsten steel		

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
78638	A	155×6×6	36	4 960910 786387		
78646	B	217×24×7	38	4 960910 786462		
78654	C	140×11×8	12	4 960910 786547	10	SP
74444	D	128×10×10	31	4 960910 744448		
74445	E	131×9.5×7.5	11	4 960910 744455		

Replacement of Scribing Needle

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
78650	2 pc-pack for C	40×2×2	1	4 960910 786509		
74468	1 pc for D	64×3.5×3.5	4	4 960910 744684	10	SP
74469	1 pc for E	118×5×5	2	4 960910 744691		

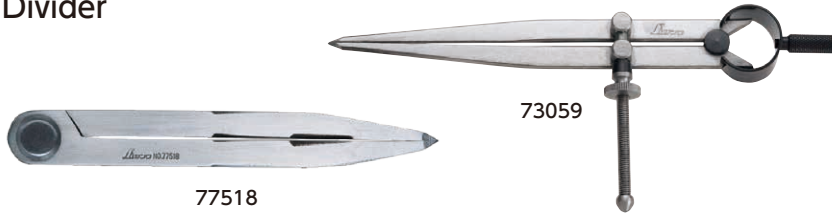
Specifications

Item Code	78650	74468	74469
Material	Tip: Superhard chip	Tip: Tungsten steel	

NEW New catalog items **EN** English package **Red** With red numbers **12** Japanese zodiac signs **cm/shaku** (Upper side (or Front) metric/ Lower side (or Back) shaku) **cm** shaku/cm (Upper side (or Front) shaku/ Lower side (or Back) metric) **U** With magnet
CA Optional JCSS certificate **NS** With non-slip pad **W** With battery **LI** Lithium-ion battery **L** Vial with luminous sheet **G** With groove for slider **STOP** With stopper **→** With direction arrow **Oil**

Carpenter's Squares
 Stainless Steel Rules/ Machine Scale
 Aluminum Rules
 Resin Rules/ Bamboo Rules
 Squares/ Protractors
 Vernier Calipers/ Micrometers
 Tape Measures
 Surveying Products
 Scales
 Levels
 Lasers/ Optical Equipment
 Incliners/ Chalklines/ Plumblines
 Circular Saw Guides
 Construction Tools
 Industrial Tools
 Thermometers/ Hygrometers/ Scales/ Force Measuring Instruments
 Outdoor Products
 Magnifying Glasses
 Drawing Tools
 Magnets

Divider



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
77518	A 15 cm	150×18×12.5	112	4 960910 775183	5	SP
77526	B 20 cm	200×19×12.5	180	4 960910 775268		
77517	C 10 cm	100×17×12.5	70	4 960910 775176		
77536	D 25 cm	250×21×12.5	240	4 960910 775367		
77537	E 30 cm	300×21×12.5	290	4 960910 775374		
73059	A 15 cm with Spring	195×80×17.5	90	4 960910 730595	5	SP
73067	B 20 cm with Spring	250×94×17.5	112	4 960910 730670		
33950	SD-6 15 cm with Spring*	200×85×20	90	4 960910 339507	1	B
33951	SD-8 20 cm with Spring*	250×100×20	112	4 960910 339514		
33952	SD-10 25 cm with Spring*	310×120×25	161	4 960910 339521		
33953	SD-12 30 cm with Spring*	360×120×25	184	4 960910 339538		

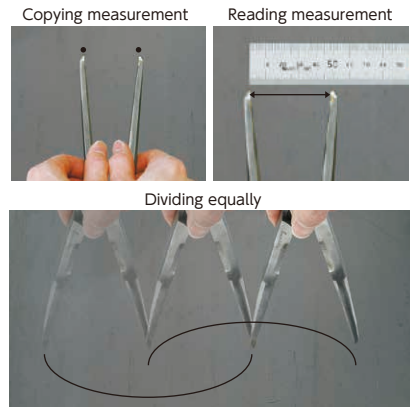
*Made-to-order items

Features

- Hard coating is applied on the tip
- Spring models allow easy fine-adjustment with screw (73059/73067)

Use

- For marking, copying or reading measurements, or dividing into equal sizes



Specifications

Item Code	77518	77526	77517	77536	77537
Usable Range (radius)	150 mm	200 mm	100 mm	250 mm	300 mm
Material	Body: Carbon steel (hardened tip)				

Item Code	73059	73067
Usable Range (radius)	150 mm	200 mm
Material	Body: Carbon steel (hardened tip)	

Divider with Super Hard Chip



77520

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
77520	A-2 15 cm	150×22×19	130	4 960910 775206	5	SP
77521	B-2 20 cm	200×22×22.5	230	4 960910 775213		
77516	C-2 10 cm	100×17×16	70	4 960910 775169		
77543	D-2 25 cm	250×23×24	320	4 960910 775435		
77545	E-2 30 cm	300×28×23	460	4 960910 775459	3	SP
77546	F-2 40 cm	400×27×25	785	4 960910 775466		

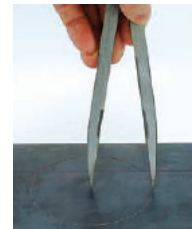
Features

- Scribes on hard metal even with hard chrome plate finish or heat treatment
- Long-lasting tip



Use

- For scribing circles or copying measurement of items



Specifications

Item Code	77520	77521	77516	77543	77545	77546
Usable Range (radius)	150 mm	200 mm	100 mm	250 mm	300 mm	400 mm
Material	Body: Carbon steel (hardened tip)					

One-side Caliper



73250

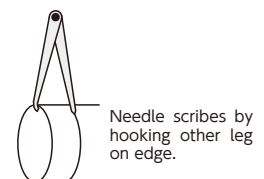
Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
73250	A 15 cm	160×18×12	46	4 960910 732506	10	SP

Features

- Tip of one leg is shaped as needle
- Scribe on a uneven surface

Use

- For marking or copying measurement



Specifications

Usable Range	150 mm (radius)
Material	Body: Carbon steel (hardened tip)

Outside Caliper

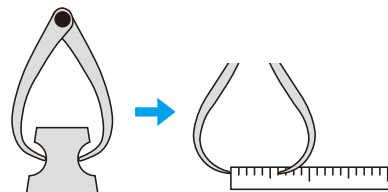


Features

- For outer dimension measurement that cannot be measured by vernier caliper

Use

- For taking readings of outer dimensions, etc.



Specifications

Item Code	73318	73326
Usable Range	150 mm (radius)	200 mm (radius)
Material	Body: Carbon steel	

Item Code	33958	33959
Usable Range	150 mm (radius)	200 mm (radius)
Material	Body: Carbon steel	

Item Code	33960	33961
Usable Range	250 mm (radius)	300 mm (radius)
Material	Body: Carbon steel	

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
73318	A 15 cm	165×100×12	62	4 960910 733183	10	
73326	B 20 cm	213×120×12	77	4 960910 733268	1	
33958	OC-6 15 cm with Spring *	175×100×20	83	4 960910 339583	1	
33959	OC-8 20 cm with Spring *	225×130×20	98	4 960910 339590		
33960	OC-10 25 cm with Spring *	285×160×25	153	4 960910 339606		
33961	OC-12 30 cm with Spring *	340×160×25	178	4 960910 339613		

*Made-to-order items

Inside Caliper

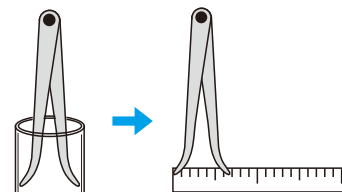


Features

- For inner dimension measurement of a pipe or hole

Use

- For taking readings of inner dimensions, etc.



Specifications

Item Code	73253	73261
Usable Range	150 mm (radius)	200 mm (radius)
Material	Body: Carbon steel	

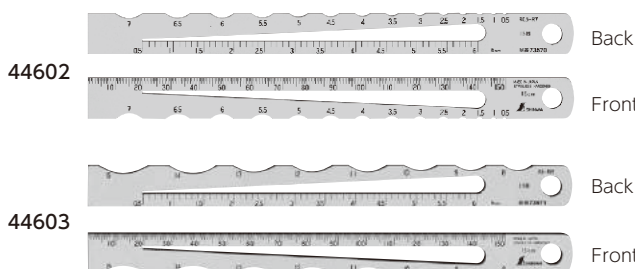
Item Code	33954	33955
Usable Range	150 mm (radius)	200 mm (radius)
Material	Body: Carbon steel	

Item Code	33956	33957
Usable Range	250 mm (radius)	300 mm (radius)
Material	Body: Carbon steel	

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
73253	A 15 cm	165×20×12	51	4 960910 732537	10	
73261	B 20 cm	210×18×12	60	4 960910 732612	1	
33954	IC-6 15 cm with Spring *	175×85×20	94	4 960910 339545	1	
33955	IC-8 20 cm with Spring *	225×100×20	123	4 960910 339552		
33956	IC-10 25 cm with Spring *	285×120×25	178	4 960910 339569		
33957	IC-12 30 cm with Spring *	340×120×25	209	4 960910 339576		

*Made-to-order items

Radius Scale

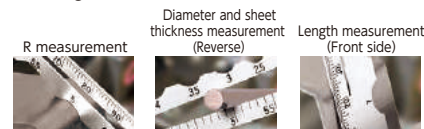


Features

- 1 scale can be used as a radius gauge, diameter gauge, and as a rule
- Easy to pull out and measure due to its compact size

Use

- Measurement of radius gauge, measurement of diameter and sheet thickness, and measurement of length



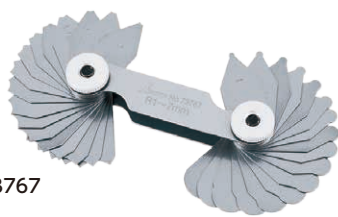
Specifications

Item Code	73570	44602	73571	44603
Accuracy	Radius Gauge: ±0.1 mm Diameter Gauge: ±0.05 mm Straight Rule: ±0.15 mm			
Measuring Range	Radius Gauge: R 0.5 - 7 mm Diameter Gauge: 0.5 - 6 mm Straight Rule: 150 mm		Radius Gauge: R 8 - 15 mm Diameter Gauge: 0.5 - 6 mm Straight Rule: 150 mm	
Material	Stainless steel			

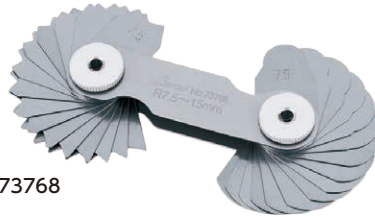
Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
73570	A-1 R 0.5 - 7	175×15×0.5	7.5	4 960910 735705	10	
44602	A-1 R 0.5 - 7	175×15×0.5	7.5	4 960910 446021		
73571	A-2 R 8 - 15	175×15×0.5	7.5	4 960910 735712		
44603	A-2 R 8 - 15	175×15×0.5	7.5	4 960910 446038		

Carpenter's Squares
Stainless Steel Rules / Machine Scale
Aluminum Rules
Resin Rules / Bamboo Rules
Squares / Protractors
Vernier Calipers / Micrometers
Tape Measures
Surveying Products
Scales
Levels
Lasers / Optical Equipment
Inclines / Chalklines / Plumblines
Circular Saw Guides
Construction Tools
Industrial Tools
Thermometers / Hygrometers / Scales / Measuring Instruments
Outdoor Products
Magnifying Glasses
Drawing Tools
Magnets

Radius Gauge



73767



73768



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
73767	A R 1 - 7 34 Leaves	70×14×13	65	4 960910 737679	10	SP
73768	B R 7.5 - 15 32 Leaves	85×14×20	115	4 960910 737686		

Features

- Radius measuring is possible with two types of leaves, concave and convex
- Leaves can be removed by removing the stopper screw
- Comes with portable vinyl case



Use

- For measuring curves (inside and outside)

Specifications

Item Code	73767	73768
Accuracy	±0.05 mm	
Leaf Thickness	0.5 mm	
Measuring Range	1.0 - 7.0 mm	7.5 - 15.0 mm
Radius Dimension (mm)	1.0 1.25 1.5 1.75	7.5 8.0 8.5 9.0 9.5
	2.0 2.25 2.5 2.75	10.0 10.5 11.0 11.5
	3.0 3.5 4.0 4.5 5.0	12.0 12.5 13.0 13.5
	5.5 6.0 6.5 7.0	14.0 14.5 15.0
Material	Cold rolled steel	

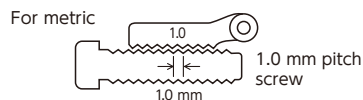
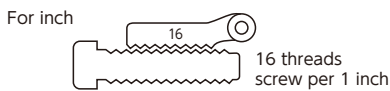
Pitch Gauge



73794



73795



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
73794	A-2 for Inch Screw Thread 26 Leaves	68×18×15	42	4 960910 737945	10	SP
73795	B-2 for Metric Screw Thread 28 Leaves	68×18×15	44	4 960910 737952		

Features

- Finds pitch by aligning to screw thread
- Comes with portable plastic case

Use

- For pitch measurement of general screws

Inch	Indicates the number of threads per 1 inch on leaf	4 - 60
Metric	Indicates pitch in between two threads on leaf	0.25 - 2.5 mm

Specifications

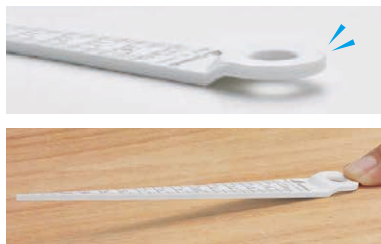
Item Code	73794	73795
Angle	55° (for whitworth screw thread)	60°
Leaf	26 leaves (Number of threads per 1 inch)	28 leaves (mm)
	4, 4 1/2, 5, 6, 7, 8, 9	0.25, 0.3, 0.35, 0.4
	10, 11, 12, 13, 14, 16	0.45, 0.5, 0.55, 0.6
	18, 19, 20, 22, 24, 25	0.65, 0.7, 0.75, 0.8
	26, 28, 30, 32, 40, 48	0.85, 0.9, 1.0, 1.1, 1.2
	60	1.25, 1.3, 1.4, 1.5, 1.6 1.7, 1.75, 1.8, 1.9, 2.0 2.5
Material	Leaf: Carbon tool steel	

Taper Gauge ABS Resin



32746

- Easy-to-grab pickup structure



Features

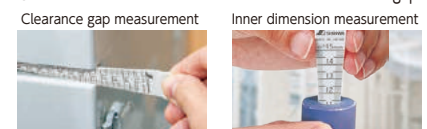
- ABS resin construction to prevent scratches
- Snap off to measure shallow gaps
- *Cannot be restored after snapping.



- Laser-engraved graduations for durability

Use

- For measurement of inner diameter or dimension of gap



Specifications

Accuracy	±0.2 mm
Measuring Range	1 - 15 mm
Material	ABS resin

Taper Gauge



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
62600	No.700 A 1 - 15 mm	148×17×1.2	11	4 960910 626003	10	
32728	No.700 A 1 - 15 mm	148×17×1.2	11	4 960910 327283		
62605	No.700 B 15 - 30 mm	154×31×1.2	29	4 960910 626058		
32795	No.700 B 15 - 30	154×31×1.2	29	4 960910 327955	1	
62610	No.700 C 30 - 45 mm	160×46×1.2	50	4 960910 626102		
62615	No.700 D 45 - 60 mm	162×60×1.2	70	4 960910 626157		
62603	1 - 15 mm with Metal Case	155×20×6 (During storage)	25	4 960910 626034	10	
32789	1 - 15 mm with Metal Case	155×20×6 (During storage)	25	4 960910 327894		
62612	1 - 15 mm with Rule	160×26×4.5 (During storage)	21	4 960910 626126	10	
32790	1 - 15 mm with Rule	160×26×4.5 (During storage)	21	4 960910 327900		
62620	Double 1 - 15 mm for Clearance, Hole Diameter, Length	144×16.3×5.5	25	4 960910 626201		
32791	Double 1 - 15 mm for Clearance, Hole Diameter, Length	144×16.3×5.5	25	4 960910 327917		
62606	5/8"	148×17×1.2	11	4 960910 626065	10	
62607	5/8" × 15 mm	148×17×1.2	11	4 960910 626072		

Features

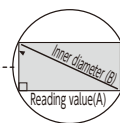
- Error occurs when measuring a circular hole with the thickness of the gauge itself. Inner diameter revision chart is on the back for better accuracy. (62600/32728/62603/32789/62612/32790)

- Formula for revision

$$\text{Inner diameter} = \sqrt{\text{reading value}^2 + 1.44}$$

(B) (A)

Thickness of Taper Gauge (1.2 mm)



- Taper Gauge with Metal Case

- Store in case to carry safely and protect the tip
- With clip for pocket carry

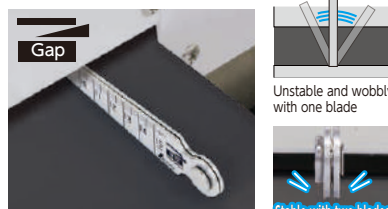


- Taper Gauge with Rule

- Convenient portable tool combines taper gauge and rule
- Clip comes in handy for measuring depth or hanging in a pocket

- Taper Gauge Double

- Thickness when the two blades are aligned together enables stable vertical insertion that keeps measurement reference side from slipping



- With graduations that can be easily read simply by aligning along one side of the gap
- Hole diameter measurement graduations already compensate for error in the sheet thickness, making tedious conversion unnecessary



- Taper Gauge with Inches

- Inch graduations on front side (62606) Inch graduations on front side and metric graduations on back side (62607)

Use

- For measurement of inner diameter or dimension of gap



- For measuring length and depth (62612/32790/62620/32791)

Specifications

- Taper Gauge No.700 and with Metal Case

Item Code	62600	32728	62605	32795	62610	62615	62603	32789
Thickness	1.2 mm							
Accuracy	±0.05 mm							
Measuring Range	1 - 15 mm	15 - 30 mm	30 - 45 mm	45 - 60 mm	1 - 15 mm			
Material	Stainless steel							
Hardness	Hv400 or more							

- Taper Gauge with Rule (62612/32790)

Item Code	Taper Gauge	Rule
Accuracy	±0.05 mm	±0.15 mm
Measuring Range	1 - 15 mm	0 - 150 mm
Material	Stainless steel	
Hardness	Hv400 or more	

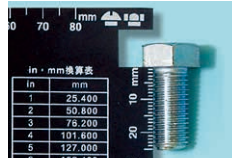
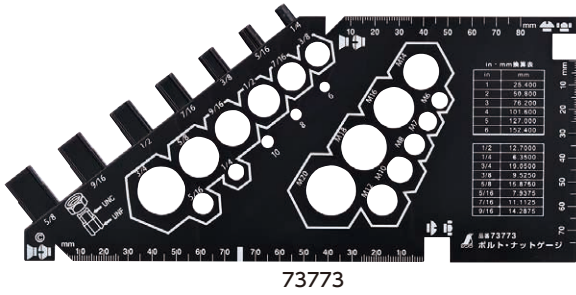
- Taper Gauge Double (62620/32791)

Accuracy	Clearance: ±0.05 mm* Hole Diameter: ±0.05 mm
Length	±0.15 mm
Measuring Range	Clearance: 1 - 15 mm Hole Diameter: φ2 - 15 mm
Length	120 mm
Material	Stainless steel
Hardness	Hv400 or more

*Precision is ±0.1 mm when the two blades are together.

Item Code	62606	62607
Accuracy	1/16 - 5/8 in	1 - 15 mm 1/16 - 5/8 in
Measuring Range	±0.002 in	±0.05 mm ±0.002 in
Material	Stainless steel	
Hardness	Hv400 or more	

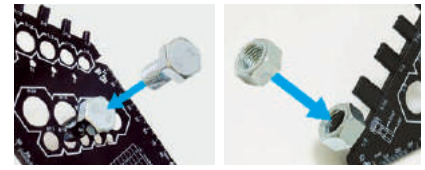
Bolt and Nut Gauge



Easily measures the length as well

Features

- Easily measure size of nut bolt just by putting on the gauge
- Measures different shapes of screws
- Inch/mm converting chart



Use

- For measuring size of bolt and nut

Specifications

Material	ABS resin
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Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
73773	Bolt and Nut Gauge	107×237×6	55	4 960910 737730	10	SP

Feeler Gauge



Features

- Variety of different length and leaves available
- Comes with portable plastic case

Use

- For clearance gap measurement

Specifications

Item Code	73776	73780	73781	73782	73796	73797	
Thickness Tolerance*	Over 0.03 mm below 0.15 mm: ±0.005 mm Over 0.15 mm below 0.50 mm: ±0.012 mm Over 0.50 mm below 3.00 mm: ±0.020 mm						
Leaf Thickness (mm)	0.30 0.06 0.10	0.04 0.07 0.15	0.05 0.08 0.20	1.00 0.05 0.08 0.09 0.10 0.11 0.12 0.13 0.14 0.15 0.20 0.25 0.30 0.35 0.40 0.45 0.50 0.60 0.75 0.80 0.90	1.00 0.05 0.08 0.09 0.10 0.11 0.12 0.13 0.14 0.15 0.20 0.25 0.30 0.35 0.40 0.45 0.50 0.60 0.75 0.80 0.90	1.00 0.05 0.08 0.09 0.10 0.11 0.12 0.13 0.14 0.15 0.20 0.25 0.30 0.35 0.40 0.45 0.50 0.60 0.75 0.80 0.90	1.00 0.05 0.08 0.09 0.10 0.11 0.12 0.13 0.14 0.15 0.20 0.25 0.30 0.35 0.40 0.45 0.50 0.60 0.75 0.80 0.90
Leaf Material (mm)	13						
Material	Leaf: Carbon tool steel						

*Thickness tolerance is the tolerance for one leaf. In the case of use with multiple leaves, the tolerance is added together.

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
73776	A 75 mm 9 Leaves	81×13×5	20	4 960910 737761	10	SP
73780	B 100 mm 9 Leaves	109×13×5	27	4 960910 737808		
73781	C 150 mm 9 Leaves	156×13×5	40	4 960910 737815		
73782	D 65 mm 25 Leaves	70×13×15	63	4 960910 737822	5	SP
73796	E 100 mm 25 Leaves	105×13×15	95	4 960910 737969		
73797	F 150 mm 25 Leaves	153×13×15	140	4 960910 737976		

Digital Thickness Caliper



Features

- Digital display for quick reading
- Easy-to-read 12 mm character height LCD
- ZERO set switch gives a reference point and makes comparison measurement
- Large handle makes easy holding
- Auto power off function
- Special case included

Use

- For measuring thin objects such as cloth or leather

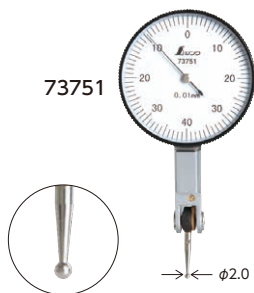
Specifications

Measuring Range	0 - 10 mm
Graduation	0.01 mm
Indication Error	±0.02 mm
Maximum Insert Depth	30 mm
Measuring Force	1.1 N or less
Parallelism between Gauge Head and Anvil	±8 μm
Diameter of Gauge Head and Anvil	10 mm
Use Environment	0 - 40°C
Power Source	1x silver oxide battery SR44 (Battery included is for trial use only and may not last as long)
Auto Power Off	Approximately 5 min.
Material	Body: ABS resin Lever: Iron Handle: Aluminum alloy Spindle, Gauge Head, Anvil: Stainless steel

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
73746	A 0.01 mm/10 mm with Handle	125×95×26	216	4 960910 737464	1	SP

Dial Indicator

73751



Holds onto magnet stand by installing stem (included)



Accessories: Stem with dovetail x 2 Gauge head spinner

●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
73751	0.01 mm/0.8 mm	77×39×25	44	4 960910 737518	3	

Features

- Two convenient stems are included
- Special case included

Use

- To measure flatness
- To measure parallelism
- To measure irregularity

Specifications

Graduation	0.01 mm
Measuring Range	0 - 0.8 mm
Outer Diameter	ø38.5 mm
Dial Reading	0 - 40 - 0
Wide Range Accuracy	13 μm
Retrace Error	3 μm
Adjacent Pitch Error	5 μm
Measuring Force	0.4 N or less
Material	Outer Frame, Graduation Plate: Aluminum Graduation Plate Cover: Acrylic resin Stem: Brass, stainless steel Gauge Head: Stainless steel

Dial Gauge

73750



With lug
Hole diameter ø6.5 mm



Accessory: Flat lid

●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
73750	0.01 mm/10 mm	107×55×44 (When lid and lug are attached)	100	4 960910 737501	3	

Features

- Convenient lug to install on magnetic stand
- Special case included

Use

- To measure flatness
- To measure parallelism
- To measure irregularity

Specifications

Graduation	0.01 mm
Measuring Range	0 - 10 mm
Outer Diameter	ø55 mm
Dial Reading	±0 - 50 - 100
Whole Measuring Range Indication Error	±18 μm
Retrace Error	5 μm
Adjacent Pitch Error	8 μm
Measuring Force	1.5 N or less
Material	Outer frame, Limiter: ABS resin Graduation Plate, Stem: Aluminum Graduation Plate Cover: Acrylic resin Clamp, Gauge Head: Brass Spindle: Stainless steel

Digital Indicator NEW

73756



With lug
Hole diameter ø6.8 mm



Accessory: Flat lid

●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
73756	0.01 mm/12.7 mm Dust/Waterproof	124×57×46 (When lid and lug are attached)	121	4 960910 737563	4	

Features

- IP54 dust/waterproof rating for use on sites with exposure to iron dust, cut glass, water droplets, etc.
- Large font with 14 mm-character height for easy reading of measured values
- Touch panel is easy to operate with a light touch
- Hold function to hold the measured value
- Zero set function enables relative measurement
- Can be mounted on a stand using the lid and lug
- Special case included

Use

- To measure flatness
- To measure parallelism
- To measure irregularity

Specifications

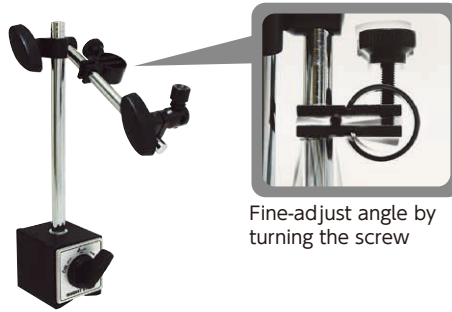
Measuring Range	12.7 mm*1
Graduation	0.01 mm
Indication Error	±0.02 mm
Repeat Precision	0.01 mm
Measuring Force	1.6 N or less
Operating Temperature	0 - 50°C
Storage Temperature	-20 - 70°C
Auto Power Off	Approximately*2 5 min.
Power Source	1x Lithium battery CR2032 (Battery included is for trial use only and may not last as long)
Dust/water proof	IP54*3 *4
Material	Outer Frame, Flat Lid: ABS resin Lid with Lug: Iron Front Cover: Acrylic resin Probe: Brass Spindle: Stainless steel Battery Case: Elastomer resin
Outer Diameter	57 mm
Accessories	Flat lid, storage case Lithium battery CR2032

*1 Values above 12.7 mm are also shown, but accuracy is not guaranteed. *2 If a value remains unchanged for approximately 5 minutes even when the probe is pushed in, the device will power off. Auto power off will function even when the hold function is used. *3 Dustproof: Protected from limited dust ingress. Waterproof: Protected from water spray from any direction. *4 Protection rating when tip cover is used.

Magnetic Stand



73752



73753

Fine-adjust angle by turning the screw

●Parts are listed from p.243

Item Code	Description	Weight (g)	JAN Code	Packing Unit	Packaging
73752	A Standard	1,340	4 960910 737525	1	B
73753	A-2 Fine adjustment	1,365	4 960910 737532		

Features

- Strong magnet to enable stable measurement

Use

- For holding Dial Gauge/Dial Indicator/Digital Indicator



Specifications

Item Code	73752	73753
Magnet Base	L58 × W50 × H55 mm	
Central Pillar	φ12 × 176 mm	
Supportive Pillar	φ10 × 165 mm	φ10 × 150 mm
Installation Hole	φ6.0/8.1 mm	
Adsorption Force*	600 N (60 kgf)	
Material	Body: Iron Lever, Screw: ABS resin	

*Please take extra care because adsorption force varies greatly depending on thickness and material of object

Large Inspection Mirror



C-1

75796



C-2

75797

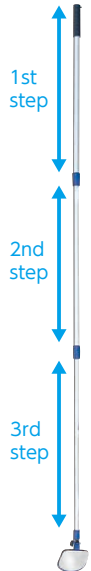
The knob easily fixes the position of the mirror

Features

- Light and durable acrylic resin mirror
- Easy-to-hold elastomer resin grip
- With metal strap

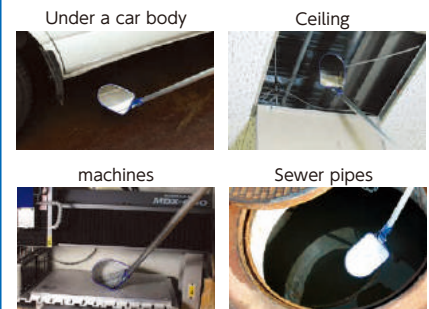


- Three-step telescopic function makes it easy to store



Use

- For inspection of ceilings, machinery, sewer pipes and under car bodies



Specifications

Item Code	75796	75797
Maximum Extension	Up to 1.2 m	Up to 2.5 m
Extension Size	0.5 - 1.2 m	0.95 - 2.5 m
Material	Body: Aluminum, iron, ABS resin, nylon resin, elastomer resin Mirror: Acrylic resin	

●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
75796	C-1 1.2 m Oval 80 x 120 mm	540×80×46 (folded)	500	4 960910 757967	1	SP
75797	C-2 2.5 m Oval 120 x 150 mm	980×120×46 (folded)	750	4 960910 757974		

Inspection Mirror



●Parts are listed from p.243

Item Code	Description	Shaft Length (mm)	Weight (g)	JAN Code	Packing Unit	Package
75758	A-1 Circle 60 mm	125×63×14 (folded)	53	4 960910 757585	10	
75759	A-2 Circle 36 mm	135×38×14 (folded)	40	4 960910 757592		
75756	A-3 Oval 50 x 80 mm	150×53×14 (folded)	56	4 960910 757561		
75757	A-4 Oval 25 x 50 mm	135×28×14 (folded)	42	4 960910 757578		

Features

- Mirror angle can be easily adjusted
- Extend handle and use mirror to inspect places that are difficult to see, such as behind objects or narrow spots
- With clip

Use

- For inspection or observation of car engines, inside and behind machines, etc.

Car engines

Inside and behind machines



Specifications

Item Code	75758	75759	75756	75757
Maximum Extension	Up to 645 mm	Up to 690 mm	Up to 660 mm	Up to 670 mm
Maximum extension of antenna	530 mm	600 mm	530 mm	600 mm
Material	Shaft: Brass Mirror Frame: ABS resin Mirror: Glass			

Inspection Mirror with LED Light



●Parts are listed from p.243

Item Code	Description	Shaft Length (mm)	Weight (g)	JAN Code	Packing Unit	Package
74155	D-1 Circle 60 mm	160×62×34 (folded)	70	4 960910 741553	10	
74156	D-2 Circle 36 mm	160×38×34 (folded)	55	4 960910 741560		
74157	D-3 Oval 50 x 80 mm	160×53×34 (folded)	73	4 960910 741577		
74158	D-4 Oval 25 x 50 mm	160×28×34 (folded)	57	4 960910 741584		

Features

- Clear vision even in a dark and tight place
- High brightness LED light shines a light on inspection point by reflecting light in the mirror
- Compact for easy carrying
- Shaft can be extended in seven steps
- With clip



Use

- For inspection or observation of car engines, inside and behind machines, etc.

Specifications

Item Code	74155	74156	74157	74158
Power Source	3x alkaline batteries LR44 (included) (Batteries included are for trial use only and may not last as long)			
Luminosity	30,000 mcd *Varies depending on usage situation			
Maximum Extension	Up to 675 mm	Up to 645 mm	Up to 660 mm	Up to 695 mm
Maximum extension of antenna	530 mm			
Material	Shaft: Brass Mirror Frame, Light: Glass, Light: ABS resin Mirror: Glass			

Magnifying Mirror

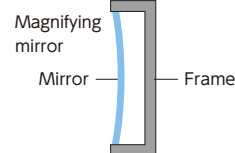


●Parts are listed from p.243

Item Code	Description	Shaft Length (mm)	Weight (g)	JAN Code	Packing Unit	Package
75790	B-1 Circle 60 mm 2x	140×63×14 (folded)	53	4 960910 757905	10	
75791	B-2 Circle 36 mm 2x	135×38×14 (folded)	40	4 960910 757912		
75788	B-3 Oval 50 x 80 mm 2x	140×53×14 (folded)	56	4 960910 757882		
75789	B-4 Oval 25 x 50 mm 2x	140×28×14 (folded)	42	4 960910 757899		

Features

- Mirror angle can be easily adjusted
- Extend handle and use mirror to inspect places that are difficult to see, such as behind objects or narrow spots
- With clip



Recessed surface mirror enlarges x 2

Use

- For inspection or observation of car engines, inside and behind machines, etc.

Specifications

Item Code	75790	75791	75788	75789
Maximum Extension	Up to 640 mm	Up to 690 mm	Up to 670 mm	
Maximum extension of antenna	530 mm	600 mm	530 mm	600 mm
Material	Shaft: Brass Mirror Frame: ABS resin Mirror: Glass			

Carpenter's Squares
Stainless Steel Rules / Machine Scale
Aluminum Rules
Resin Rules / Bamboo Rules
Squares / Protractors
Vernier Calipers / Micrometers
Tape Measures
Surveying Products
Scales
Levels
Lasers / Optical Equipment
Inclines / Chalklines / Plumblines
Circular Saw Guides
Construction Tools
Industrial Tools
Thermometers / Hygrometers / Scientific Measuring Instruments
Outdoor Products
Magnifying Glasses
Drawing Tools
Magnets

Inspection Scope D

NEW

Camera head diameter
5.2
mm

Cable Length
1
m



74177

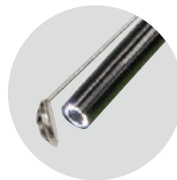
With tip tools



Hook



Magnet



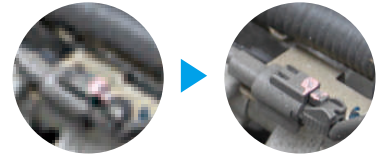
Side view mirror

●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
74177	φ5.2 Portable 4.3 Inch LCD	154×88×32	375	4 960910 741775	1	B

Features

- Photograph objects with the high-resolution camera, then view on the large color LCD



Conventional product (320 x 240 pixels)

This product (1,280 x 720 pixels)

- Cable can be wrapped around and stowed for compact storage



- Videos and still images recorded on the microSD card can be directly imported to a computer with the USB cable (supports up to 32 GB*)

* 16 GB microSD card included.



- Ultra-small camera head (φ5.2 mm) and elongated camera cable (φ5.0mm x 1m) for insertion and photography in narrow spaces
- With storage case

Use

- For inspection/confirmation of narrow spaces that are difficult to see

Specifications

Camera Head Diameter	5.2 mm
Cable System	Main body storage interlock type
Cable Diameter	5.0 mm
Cable Length	1 m
Lens Focal Distance	30 - 80 mm
Lens Viewing Angle	40°
Zoom Function	1x, 1.5x, 2.0x
Record Function	Video, still images
Video Output Format	NTSC
Recording Memory	Up to 32 GB microSD card (16 GB microSD card included)
Illumination	High-brightness white LED (8 levels of light intensity adjustment possible)
Camera Resolution	1,280 × 720 pixels*1
LCD resolution	480 × 272 pixels
LCD size	4.3 inches
Interface	microUSB Type-B output (recorded video, still image playback)
Dustproof/Waterproof	Camera Head/Camera Cable: IP67*2 Body: Not dustproof/waterproof
Operating Temperature	Temperature: -10-50 °C Humidity: 15-85% (no bedewing)
Storage temperature	-20 - 60°C
Power Source	4X AA Alkaline batteries (batteries included are for trial use only and may not last as long)
Continuous use	About 4 hours
Tip Tool	Hook, magnet, side view mirror
Material	Body: ABS resin Camera Cable: Copper, aluminum, glass
Accessories	Storage case, USB cable, microSD card 16GB, 4 AA alkaline batteries, tip tools

*1 The number of pixels that the display will develop in a plane.
 *2 Dustproof: Dust will not penetrate. Waterproof: Water will not penetrate if temporarily (within 30 minutes) submerged in water up to 1 meter.

Chuck Wrench



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
78582	A 3 mm	35×60×12	17	4 960910 785823	10	
78596	A-2 3 mm	40×47×12	18	4 960910 785960		
78584	B 5 mm	47×65×16	36	4 960910 785847		
78587	C 6.5 mm	47×75×16	46	4 960910 785878		
78590	D 10 mm	50×90×20	62	4 960910 785908		
78593	E 13 mm	56×110×22	83	4 960910 785939		

Features

- Choose from a variety of types for each model

Use

- For opening and closing the chuck of an electric drill. Please securely tighten the drill chuck with the correct chuck wrench before using electric drill



Specifications

Item Code	78582	78596	78584	78587	78590	78593
Drill Chuck Size	3 mm for hobby use		0 - 3/16 inch 5 mm	0 - 1/4 inch 6.5 mm	0 - 3/8 inch 10 mm	0 - 1/2 inch 13 mm
Tip Diameter	6 mm		4 mm	5.5 mm	6.5 mm	8 mm
Handle Length	60 mm	32 mm	65 mm	75 mm	90 mm	110 mm
Material	Iron					



Auto Punch

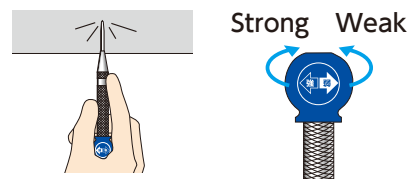


Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
77317	M with Flat Grip to Prevent Rolling	130×30×24	80	4 960910 773172	10	
77318	L with Flat Grip to Prevent Rolling	155×35×28	150	4 960910 773189	5	
77259	M	133×30×30	80	4 960910 772595	10	
77258	L	160×35×35	181	4 960910 772588	5	

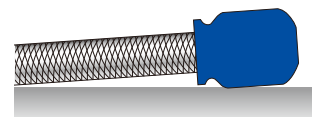
● Parts are listed from p.243

Features

- Easily marks a surface by pushing it down with one hand
- Accurately punches on ceiling even without a hammer
- Head turns to adjust punching pressure
- Durable superhard chip on the tip



- Flat grip faces to prevent rolling over (77317/77318)



Use

- For marking steel metals, aluminum, or other materials that are not hardened

Specifications

Material	Body: Brass Tip: Superhard chip Grip: ABS resin
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Deburring Tool



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
78665	with Replacement Blade for S-10/S-20/S-35	147×23×23	36	4 960910 786653	3	
78666	Replacement Blade 2pc-pack for S-10	48×12×3	2	4 960910 786660	10	

Features

- Compatible with three kinds of high-speed steel replacement blades for plastic, aluminum, brass, cast metal, and steel, etc.

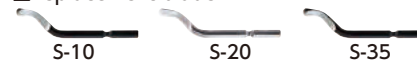
Use

- For chamfering and deburring of metal parts

Specifications

Material	Body: Polyacetal resin Edge: High-speed steel
----------	--

Replacement blade



S-10	For heavy cutting of steel and aluminum. Single-edged, clockwise only. Black.
S-20	For cast metal, brass and plastic. Double-edged, clockwise and counter-clockwise. Silver.
S-35	Intermediate type, all-purpose blade. Double-edged, clockwise and counter-clockwise. Black.

Suction Lifter

Max
25
kg



74481

Max
25
kg



74482

Max
70
kg



74483

Max
25
kg



74484

●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
74481	Single A	123×123×104	472	4 960910 744813	6	
74482	Single B	213×156×74	780	4 960910 744820		SP
74483	Double A	390×115×70	984	4 960910 744837	4	
74484	Double B One-touch	244×100×125	735	4 960910 744844		B

Features

- Convenient for transportation of items without handles

Use

- For transportation of refrigerators, furniture, and glass panels, etc.



74481

74482



74483

74484

Specifications

Item Code	74481	74482	74483	74484
Adsorption Force*	25 kg		70 kg	25 kg
Adsorption Face Size	φ123 mm		φ115 mm	φ100 mm
Material	Body: Aluminum Lever: Aluminum Adsorption Face: Rubber	Body: Aluminum Lever: Polyamide resin Adsorption Face: Rubber	Body: Aluminum Lever: Iron Adsorption Face: Rubber	Body: Aluminum Lever: Iron Adsorption Face: Rubber

*Indicated adsorption force is based on use for mirror surfaces.

Digital Counter



73310

Count-down Button Count-up Button



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
73310	Digital Counter	63×52×35	50	4 960910 733107	6	SP

Features

- Easy-to-hold
- Easy-to-read large numbers
- Measures from -9,999 to 99,999
- Switch to multiple functions by pushing a button
- Auto power off function

Use

- For counting the number of visitors, vehicles, bird-watching, etc.

Specifications

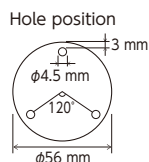
Measurement Range	-9,999 - 99,999*
Power Source	2x alkaline batteries LR44 (included) (Batteries included are for trial use only and may not last as long)
Auto Power Off	30 seconds
Material	Body: ABS resin, AS resin, silicone, polyacetal resin, stainless steel

*"FULL" sign will be displayed if it counts over 99,999.
"-FULL" sign will be displayed if it counts below -9,999.

Counter



75078



75086



75090



75089

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
75078	A Metallic Model with Stand	62×56×56	93	4 960910 750784	5	SP
75086	B Metallic Model	50×40×53	67	4 960910 750869		
75090	C Blue Plastic Model	50×41×54	34	4 960910 750906		
75089	C Yellow Plastic Model	50×41×54	34	4 960910 750890		

Features

- Counts numbers simply by pushing the button
- Can be screwed on to a stand (75078)

Use

- For counting the number of visitors, vehicles, bird-watching, etc.



Specifications

Item Code	75078	75086	75090	75089
Measurement Range	0 - 9,999			
Material	Body: Iron, synthetic resin		Body: ABS resin, synthetic resin	

16. Thermometers/Hygrometers/Environmental Measuring Instruments



Scan here to see videos of various products

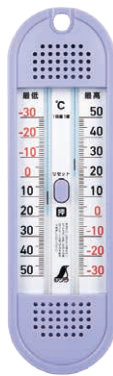


Packaging Shrink package Box Vinyl package + header card Card No package
 Sleeve package Bag Clear package Vinyl package

Maximum and Minimum Thermometer



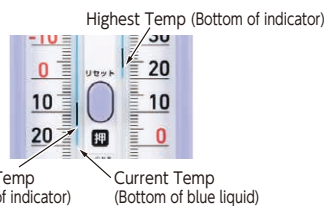
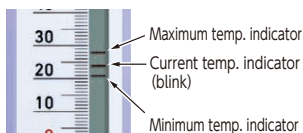
73043



72701



72715



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
73043	D-10 Waterproof	217×64×19	146	4 960910 730434		
72701	D-11	220×65×23	120	4 960910 727014	5	
72715	D-9	φ106×43	80	4 960910 727151		

Features

- Can check the maximum/minimum temperature and measure the current temperature
- Maximum and minimum temperatures can be reset with one touch
- Simultaneously displays digital numbers and temperature bars. Temperature bars can be used to see current temperature, maximum temperature and minimum temperature at a glance. (73043)
- Water-resistant for worry-free use even if it gets slightly wet at warehouses or greenhouses (73043)
- Uses a mercury-free temperature sensitive liquid (72701)

Use

- For temperature and temperature control in various situations

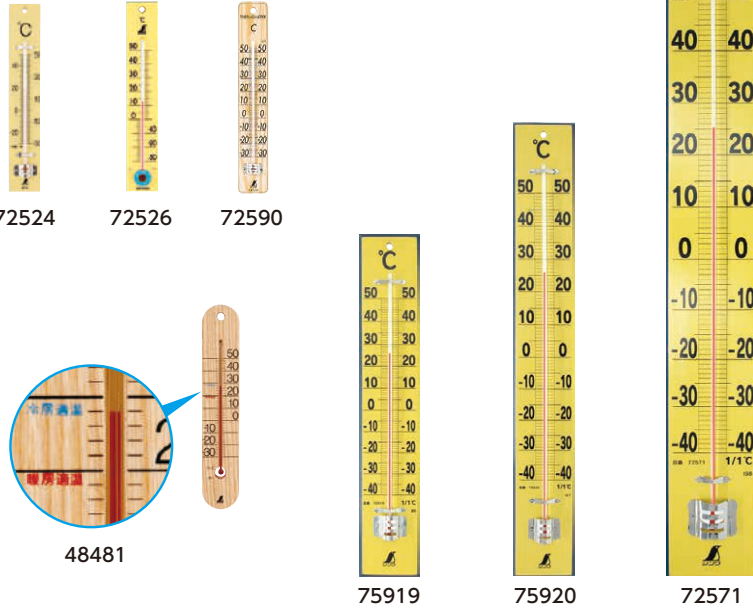
Specifications

Item Code	73043	
Accuracy	0 - 40°C: ±1°C Other values: ±2°C	
Measuring Range	-10 - 50°C	
Minimum Display	Numbers: 0.1°C Single Bar Graduation: 1°C	
Measurement Interval	10 sec*1	
Material	Body: ABS resin LCD: Glass	
Power Source	1x AAA alkaline battery (Battery included is for trial use only and may not last as long)	
Waterproof	IPX4*2	
	*1 Numbers and bars are updated simultaneously. *2 Waterproof: Protected from water spray from any direction	
Item Code	72701	72715
Accuracy	-20 - 50°C: ±2°C Other values: ±4°C	±2°C
Measuring Range	Current Temp.: -30 - 50°C Highest Temp.: 0 - 50°C Lowest Temp.: -30 - 50°C	-40 - 50°C
Each Graduation	1°C	2°C
Material	Body: ABS resin Tube: Glass Temperature Sensitive Liquid: Water, kerosene	Body: Polystyrene resin
Accessories	Magnet*	-
	*Used to move the indicator.	

New catalog items English package With red numbers Japanese zodiac signs cm/shaku (Upper side (or Front) metric / Lower side (or Back) shaku) shaku/cm (Upper side (or Front) shaku / Lower side (or Back) metric) With magnet
 Optional JCSS certificate With non-slip pad With battery Lithium-ion battery Vial with luminous sheet With groove for slider With stopper With direction arrow Oil

Carpenter's Squares
Stainless Steel Rules / Machine Scale
Aluminum Rules
Resin Rules / Bamboo Rules
Squares / Protractors
Vernier Calipers / Micrometers
Tape Measures
Surveying Products
Scales
Levels
Lasers / Optical Equipment
Inklings / Chalklines / Plumbholders
Circular Saw Guides
Construction Tools
Industrial Tools
Thermometers / Hygrometers / Environmental Measuring Instruments
Outdoor Products
Magnifying Glasses
Drawing Tools
Magnets


Wood Thermometer



Features

- C/C-2
 - Standard thermometer
- C-5
 - Beautiful pine wood finish
- M-023
 - Shows suggested air-conditioning temperatures
- Wood 45 - 90 cm
 - Large size and clear numbers make it easy to read even from a distance

With hook hole



Use

- For temperature control at homes, in classrooms, or offices, etc.

Specifications

Item Code	72524	72526	72590
Accuracy	±1°C		
Measuring Range	-30 - 50°C		
Each Graduation	1°C		
Material	Body: Wood Temperature Sensitive Liquid: Colored refined white kerosene	Body: Polystyrene resin Temperature Sensitive Liquid: Colored refined white kerosene	Body: Wood Temperature Sensitive Liquid: Colored refined white kerosene

Item Code	48481	75919	75920	72571
Accuracy	±2°C	±1°C		
Measuring Range	-30 - 50°C	-40 - 50°C		
Each Graduation	2°C	1°C		
Material	Body: Wood Tube: Glass Temperature Sensitive Liquid: Colored refined white kerosene			

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
72524	C	252×43×18	55	4 960910 725249	10	SP
72526	C-2	250×42×17	55	4 960910 725263		
72590	C-5	252×40×16	59	4 960910 725904		
48481	Wood M-023	270×50×10	90	4 960910 484818	5	
75919	Wood 45 cm	450×80×12	210	4 960910 759190	1	□
75920	Wood 60 cm	600×85×12	380	4 960910 759206		
72571	Wood 90 cm	900×120×15	1,050	4 960910 725713		

Aluminum Thermometer



Features

- Large size and clear numbers make it easy to read even from a distance

Use

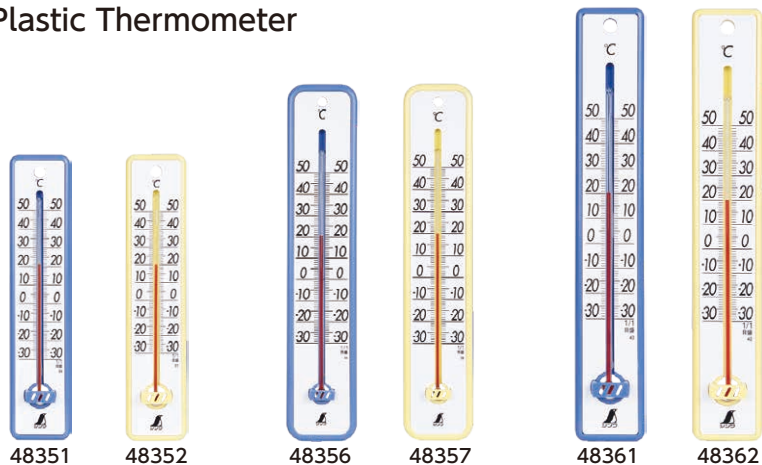
- For temperature control at homes, in classrooms, or offices, etc.

Specifications

Accuracy	-29 - 50°C: ±1°C Other values: ±2°C	
Measuring Range	-40 - 50°C	
Each Graduation	1°C	
Material	Body: Aluminum Tube: Glass Temperature Sensitive Liquid: Colored refined white kerosene	

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
72991	Aluminum 45 cm	465×80×20	320	4 960910 729919	1	S
72992	Aluminum 60 cm	615×80×20	420	4 960910 729926		
72993	Aluminum 75 cm	765×80×20	520	4 960910 729933		

Plastic Thermometer



48351 48352 48356 48357 48361 48362

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
48351	20 cm Blue	200×43×15	38	4 960910 483514	10	
48352	20 cm Yellow	200×43×15	38	4 960910 483521		
48356	25 cm Blue	250×40×15	48	4 960910 483569		
48357	25 cm Yellow	250×40×15	48	4 960910 483576		
48361	30 cm Blue	300×60×17	86	4 960910 483613		
48362	30 cm Yellow	300×60×17	86	4 960910 483620		

Features

- Easy-to-read graduations
- Colorful design adds an accent to the room

With hook hole



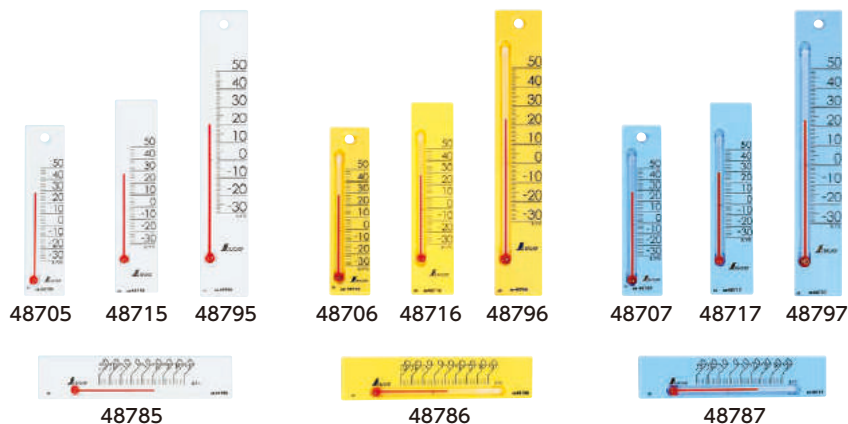
Use

- For temperature control at homes, in classrooms, or offices, etc.

Specifications

Accuracy	±1°C
Measuring Range	-30 - 50°C
Each Graduation	1°C
Material	Body: Polystyrene resin Tube: Glass Temperature Sensitive Liquid: Colored refined white kerosene

Thermometer "Petit Thermo Square"



48705 48715 48795 48706 48716 48796 48707 48717 48797



48785



48786



48787

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
48705	Vertical 12 cm White	120×28×7	13	4 960910 487055	10	
48706	Vertical 12 cm Yellow	120×28×7	13	4 960910 487062		
48707	Vertical 12 cm Blue	120×28×7	13	4 960910 487079		
48715	Vertical 13.5 cm with Magnet White	135×30×7	12	4 960910 487154		
48716	Vertical 13.5 cm with Magnet Yellow	135×30×7	12	4 960910 487161		
48717	Vertical 13.5 cm with Magnet Blue	135×30×7	12	4 960910 487178		
48785	Horizontal 13.5 cm with Magnet White	135×30×7	12	4 960910 487857		
48786	Horizontal 13.5 cm with Magnet Yellow	135×30×7	12	4 960910 487864		
48787	Horizontal 13.5 cm with Magnet Blue	135×30×7	12	4 960910 487871		
48795	Vertical 20 cm White	200×34×7	28	4 960910 487956		
48796	Vertical 20 cm Yellow	200×34×7	28	4 960910 487963		
48797	Vertical 20 cm Blue	200×34×7	28	4 960910 487970		

Features

- Affordable thermometer
- Choose from various colors and sizes
- Vertical 12 cm and 20 cm models come with a hook hole
- Double-sided tape on the back
- Vertical 13.5 cm and horizontal 13.5 cm have magnets



Use

- For temperature control at homes, in classrooms, or offices, etc.

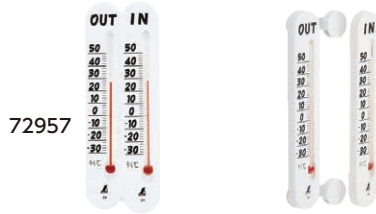
Specifications

Item Code	48705	48706	48707
Accuracy	±2°C		
Measuring Range	-30 - 50°C		
Each Graduation	2°C		
Material	Body: Polystyrene resin Tube: Glass Temperature Sensitive Liquid: Colored refined white kerosene		


Item Code	48715	48716	48717	48785	48786	48787
Accuracy	±2°C					
Measuring Range	-30 - 50°C					
Each Graduation	2°C					
Material	Body: Polystyrene resin Tube: Glass Temperature Sensitive Liquid: Colored refined white kerosene Magnet: Strontium ferrite, chlorinated polyethylene					

Item Code	48795	48796	48797
Accuracy	±1°C		
Measuring Range	-30 - 50°C		
Each Graduation	1°C		
Material	Body: Polystyrene resin Tube: Glass Temperature Sensitive Liquid: Colored refined white kerosene		

Thermometer "Petit Thermo Twin" for Outside and Inside

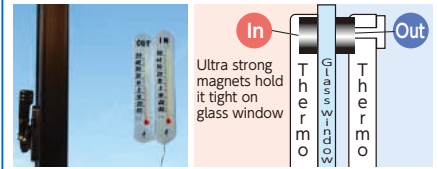


72957

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
72957	Petit Thermo Twin 	134×48×22	46	4 960910 729575 1	5	SP

Features

- Displays both inside and outside temperature



Use

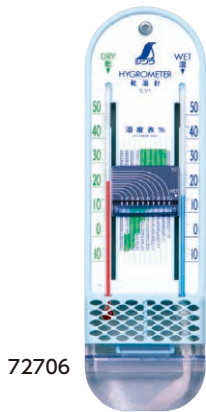
- For temperature control inside and outside

Specifications

Accuracy	±2°C
Measuring Range	-30 - 50°C
Each Graduation	2°C
Material	Body: Polystyrene resin Tube: Glass Temperature Sensitive Liquid: Colored refined white kerosene Magnet: Neodymium

*Not usable on double glazing and frosted glass

Psychrometer



72706



How to use

1. Move the measuring plate and match ▼ to the 16°C indication on WET side.
2. Read off the value on the arrow which is pointed out from the 26°C indication on DRY side.

WET: 16°C → 38%
DRY: 26°C

● Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
72706	E-2	285×84×26	100	4 960910 727069 1	5	SP

Features

- Two thermometers are combined to measure humidity by finding difference in temperature between the wet bulb and the dry bulb
- Special lens makes the humidity table easy to read
- Color indicates comfortable humidity

Use

- For humidity control at homes, in classrooms, or offices, etc.

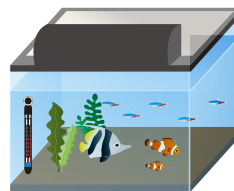
Specifications

Accuracy	Temperature: ±1°C Humidity: ±10%
Measuring Range	Temperature: -10 - 50°C Humidity: 10 - 94%
Each Graduation	Temperature: 1°C
Material	Body: Polystyrene resin Movable Plate, Water Tank: AS resin Tube: Glass Temperature Sensitive Liquid: Colored refined white kerosene

Thermometer for Aquarium



72583



Can be read from outside the tank

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
72583	L	φ13×150	18	4 960910 725836 1	10	SP

Features

- High, low, and moderate temperatures are color coded for easy reading
- Suction cap and the weight stabilize the thermometer so it can be read from outside the tank

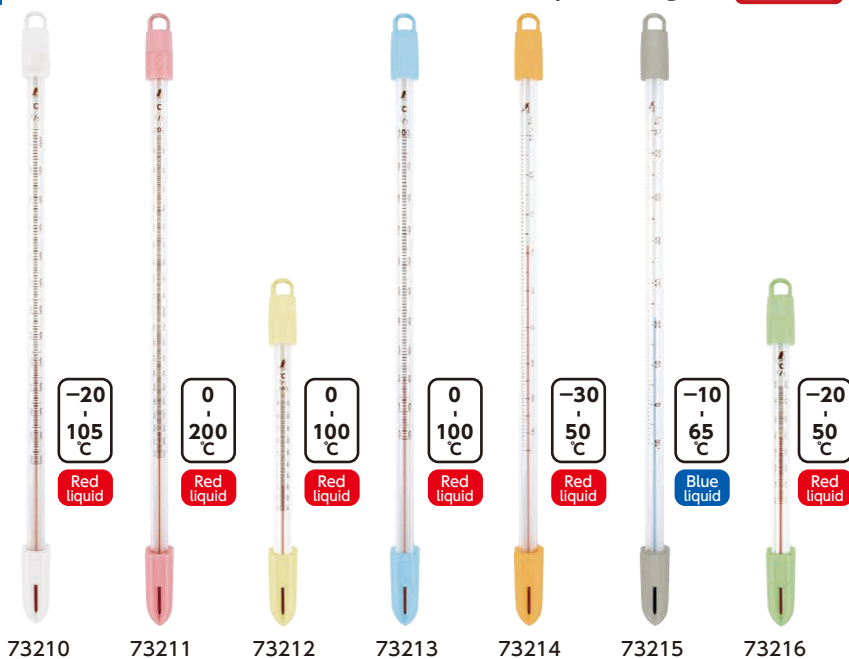
Use

- For temperature control in a fish tank

Specifications

Accuracy	±1°C
Measuring Range	0 - 40°C
Each Graduation	1°C
Material	Body, Tube: Glass Weight: Lead Temperature Sensitive Liquid: Colored refined white kerosene

Stick Thermometer Alcohol Individually Packaged NEW



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
73210	H-1C -20 - 105°C 30 cm	300×6×6	21	4 960910 732100	10	
73211	H-2C 0 - 200°C 30 cm	300×6×6	21	4 960910 732117		
73212	H-4C 0 - 100°C 15 cm	153×6×6	11	4 960910 732124		
73213	H-5C 0 - 100°C 30 cm	300×6×6	21	4 960910 732131		
73214	H-6C -30 - 50°C 30 cm	300×6×6	21	4 960910 732148		
73215	H-7C -10 - 65°C 30 cm Blue	300×6×6	21	4 960910 732155		
73216	H-8C -20 - 50°C 15 cm	153×6×6	11	4 960910 732162		

Features

■ With case

- Measurement can be performed while in case (if the temperature exceeds 80°C, remove from the case to use)



- Case can be washed if dirty

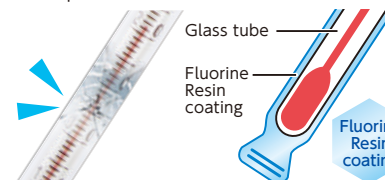


- Can be hung for use and storage



■ Fluororesin Coating

- Can be used safely in food. Since it is coated with non-toxic fluororesin, glass pieces will not scatter even if the glass tube breaks.
- Complies with Food Sanitation Law standards



Use

■ With case

- For measuring temperature of air, water, and ground, etc.

■ Fluororesin coating

- For measuring temperature of air, water, ground, and food, etc.
- Can be used in a wide range of situations such as in kitchens, schools, and agriculture



For experiments at school

For cooking in a kitchen

Specifications

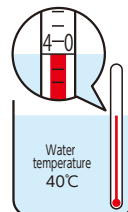
■ With case

Accuracy	±1°C
Each Graduation	1°C
Material	Body: Glass Temperature Sensitive Liquid: Colored refined white kerosene Case: Polypropylene resin, Polyethylene resin, polycarbonate resin
Accessories	Case

■ Fluororesin coating

Accuracy	±1°C
Each Graduation	1°C
Material	Body: Glass, Fluororesin coating Temperature Sensitive Liquid: Colored refined white kerosene Storage Case: Styrene-butadiene block copolymer resin
Accessories	Storage Case

* This thermometer is a fully immersive thermometer. In order to measure the temperature accurately, it is necessary to fully immerse the glass tube to the position on the scale for the temperature being measured. For example, to measure hot water at 40 °C, align the water surface with the 40 °C graduation. Allow at least 5 minutes before reading the temperature.

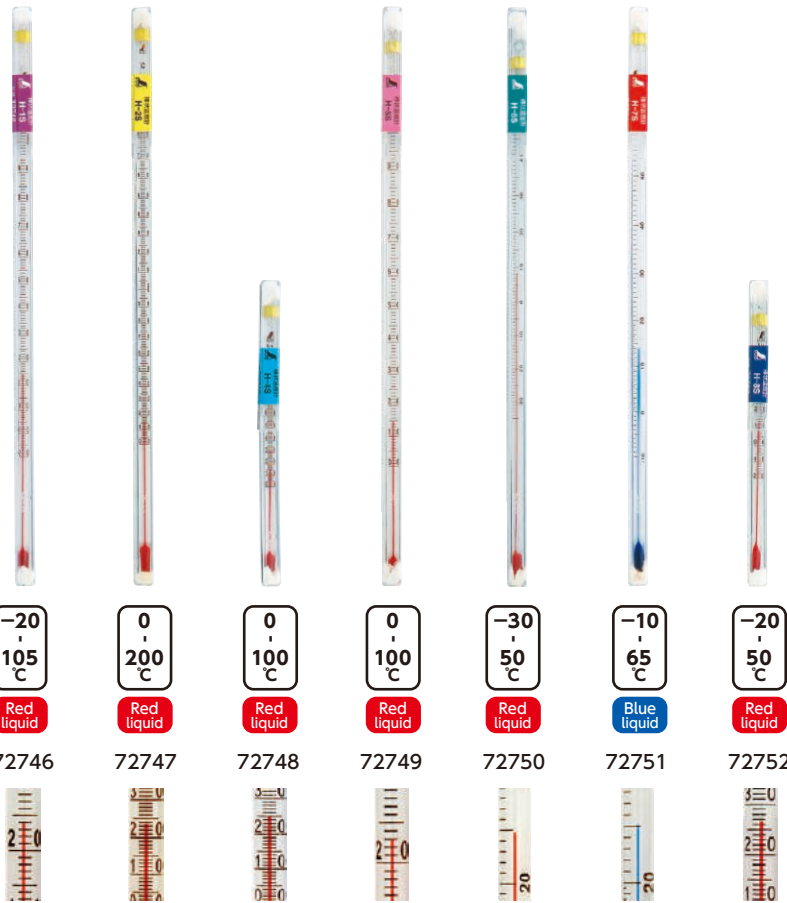


Stick Thermometer Fluorine Resin Coating NEW



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
73217	H-1F -20 - 105°C 30 cm	312×8×6.5	24	4 960910 732179	10	
73218	H-2F 0 - 200°C 30 cm	312×8×6.5	24	4 960910 732186		

Stick Thermometer Alcohol



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
72746	H-1S -20 - 105°C 30 cm	300×6×6	21	4 960910 727465	10	<input checked="" type="checkbox"/>
72747	H-2S 0 - 200°C 30 cm	300×6×6	21	4 960910 727472		
72748	H-4S 0 - 100°C 15 cm	153×6×6	11	4 960910 727489		
72749	H-5S 0 - 100°C 30 cm	300×6×6	21	4 960910 727496		
72750	H-6S -30 - 50°C 30 cm	300×6×6	21	4 960910 727502		
72751	H-7S -10 - 65°C 30 cm Blue	300×6×6	21	4 960910 727519		
72752	H-8S -20 - 50°C 15 cm	153×6×6	11	4 960910 727526		

Features

- Affordable price with simple packaging
- Rubber stopper to prevent rolling



Use

- For measuring temperature of air, water, and ground, etc.
- *When measuring ground temperature, put in metal case sold separately (72729/72731).



For melting chocolate over hot water in cooking



For measuring temperature of cooking oil, etc. (72747)

Specifications

Item Code	72746	72747	72748
Accuracy	±1°C		
Each Graduation	1°C		
Material	Body: Glass Temperature Sensitive Liquid: Colored refined white kerosene		

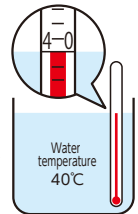
Item Code	72749	72750	72751
Accuracy	±1°C		
Each Graduation	1°C		
Material	Body: Glass Temperature Sensitive Liquid: Colored refined white kerosene		

Item Code	72752
Accuracy	±1°C
Each Graduation	1°C
Material	Body: Glass Temperature Sensitive Liquid: Colored refined white kerosene

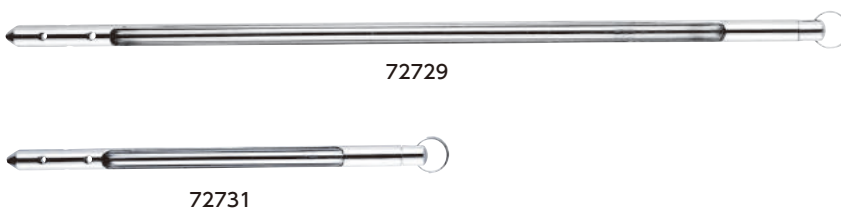


Packaging:
With hook pin

* This thermometer is a fully immersive thermometer. In order to measure the temperature accurately, it is necessary to fully immerse the glass tube to the position on the scale for the temperature being measured. For example, to measure hot water at 40 °C, align the water surface with the 40 °C graduation. Allow at least 5 minutes before reading the temperature.



Metal Case for Stick Thermometer



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
72729	for 30 cm	341×14×16	44	4 960910 727298	10	<input checked="" type="checkbox"/>
72731	for 15 cm	190×14×16	28	4 960910 727311		

Features

- Case window allows measuring and reading of the scale while thermometer stays in the case
- With clip



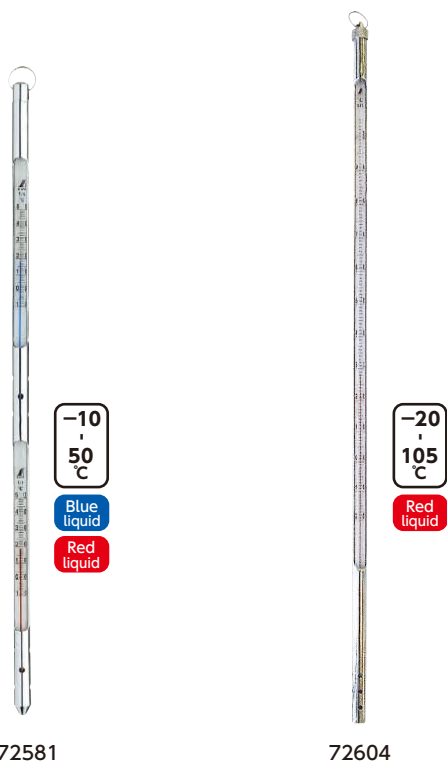
Use

- For protection of glass material stick thermometers

Specifications

Operating Temperature	-30 - 200°C
Material	Brass

Stick Thermometer Alcohol Individually Packaged



72581

72604

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
72581	H-9 -10 - 50°C 15 cm x 2 pc-set	347×15×9	68	4 960910 725812	10	
72604	H-10 -20 - 105°C 45 cm	480×14×12	93	4 960910 726048		

Features

- Can simultaneously measure ground temperature + air temperature, or water temperature + air temperature, etc. (72581)
- Can be used inside its metal protective case.
- With ring for hanging



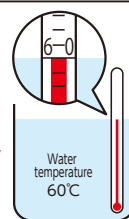
Use

- For measuring temperature of air, water, and ground, etc.

Specifications

Accuracy	±1°C
Each Graduation	1°C
Material	Body: Glass Temperature Sensitive Liquid: Colored refined white kerosene Case: Brass

* This thermometer is a fully immersive thermometer. In order to measure the temperature accurately, it is necessary to fully immerse the glass tube to the position on the scale for the temperature being measured. For example, to measure hot water at 60 °C, align the water surface with the 60 °C graduation. Allow at least 5 minutes before reading the temperature.



Thermo/Hygrometer and Discomfort Index Meter



70480

70500

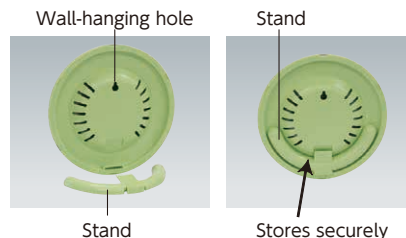
What is the discomfort index?

It is calculated with temperature and humidity to measure the degree of discomfort experienced by an individual. Keeping comfortable conditions can prevent heatstroke or flu.

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
70480	R-1 Green	φ167×35	193	4 960910 704800	5	
70500	R-2 Green	φ156×30	145	4 960910 705005		

Features

- Shows discomfort index to help health management at home
- With hook hole
- 70480 has a removable stand for wall mounting



Use

- For humidity control at homes, in classrooms, or offices, etc.

Specifications

Item Code	70480	70500
Accuracy	<Temp.> -20 - 40°C: ±2°C Other values ±4°C	<Temp.> -20 - 40°C: ±2°C
Measuring Range	Humidity: 35 - 75%: ±5% Temperature: -30 - 50°C	Humidity: 10 - 90% Temperature: -20 - 40°C
Each Graduation	Temperature: 2°C Humidity: 5% Discomfort Index: 2	Discomfort Index: 40 - 100
Material	Body, Scale Plate Cover: Polystyrene resin Scale Plate: Iron Pointer: Aluminum	Body: Polystyrene resin, ABS resin Scale Plate Cover: Polystyrene resin Scale Plate: Iron Pointer: Aluminum

Thermo/Hygrometer for Room Conditioning



70501



70506



70514

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
70501	F-2L 15 cm Blue	φ156×30	142	4 960910 705012	5	SP
70506	F-2M 10 cm Blue	φ106×30	70	4 960910 705067		
70514	F-2S 6.5 cm Blue	φ71×21	30	4 960910 705142		

Features

- Ideal for saving energy with displays of suggested temperature and comfortable humidity
- With hook hole



Use

- For temperature and humidity control at homes, in classrooms and offices, etc.

Specifications

Item Code	70501	70506	70514
Accuracy	<Temperature> -20 - 40°C: ±2°C Other values: ±4°C		<Temperature> -20 - 40°C: ±2°C
Measuring Range	Temperature: -24 - 44°C Humidity: 5 - 95%		Temp: -20 - 40°C Humidity: 10 - 90%
Each Graduation	Temperature: 2°C Humidity: 5%		
Material	Body: Polystyrene resin, ABS resin Scale Plate Cover: Polystyrene resin Scale Plate: Iron Pointer: Aluminum		

Thermo/Hygrometer for Heatstroke Warning



70505



70507



70515

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
70505	F-3L II 15 cm White	φ156×30	150	4 960910 705050	5	SP
70507	F-3M 10 cm White	φ106×30	73	4 960910 705074		
70515	F-3S 6.5 cm White	φ71×21	33	4 960910 705159		

Features

- Shows five levels of warning for heatstroke
- With hook hole



Use

- For temperature and humidity control at homes, in classrooms and offices, etc.

Specifications

Item Code	70505	70507	70515
Accuracy	<Temperature> -20 - 40°C: ±2°C <Humidity> 35 - 75%: ±5% Other values: ±10%		
Measuring Range	Temperature: -20 - 40°C Humidity: 10 - 90%		
Each Graduation	Temperature: 2°C Humidity: 5%		
Material	Body: Polystyrene resin, ABS resin Scale Plate Cover: Polystyrene resin Scale Plate: Iron Pointer: Aluminum		

Thermo/Hygrometer for Heatstroke Warning Rainproof



70600



Large openings on back for quick response to changes in temperature, humidity, and heat stroke levels.

Rainproof structure offers protection even during rain.



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
70600	F-3L II 15 cm Red	φ156×38	160	4 960910 706002	5	SP

Features

- Heatstroke warning indicator with rainproof function
- Shows five levels of warning for heatstroke
- With hook hole

Use

- For temperature and humidity control in building, construction, farming, the home, classroom, or office, etc.

Specifications

Accuracy	<Temperature> -20 - 40°C: ±2°C Other values: ±4°C <Humidity> 35 - 75%: ±5% Other values: ±10%
Measuring Range	Temperature: -20 - 50°C Humidity: 10 - 90%
Each Graduation	Temperature: 2°C Humidity: 5%
Waterproof*	IPX3*2
Material	Body: Polystyrene resin, ABS resin Scale Plate Cover: AS resin Scale Plate: Iron Pointer: Aluminum Waterproof Cloth: Nylon, polyurethane resin

- *1 Waterproof performance protects internal functions, but device cannot measure accurately when wet.
 *2 Not adversely affected by rain falling within 60° from either left or right.

Thermo/Hygrometer for Environmental Safety



70503



70508



70516

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
70503	F-4L 15 cm Blue	φ156×30	142		5	
70508	F-4M 10 cm Blue	φ106×30	70			
70516	F-4S 6.5 cm Blue	φ71×21	30			

Features

- Shows various warnings for each temperature range, such as risk of mold or health warnings
- With hook hole



Use

- For temperature and humidity control at homes, in classrooms and offices, etc.

Specifications

Item Code	70503	70508	70516
Accuracy	<Temperature> -20 - 40°C: ±2°C <Humidity> 35 - 75%: ±5% Other values: ±10%		
Measuring Range	Temperature: -20 - 40°C Humidity: 10 - 90%		
Each Graduation	Temperature: 2°C Humidity: 5%		
Material	Body: Polystyrene resin, ABS resin Scale Plate Cover: Polystyrene resin Scale Plate: Iron Pointer: Aluminum		

Thermo/Hygrometer

Antibacterial agent compounded



70380

Wall-hanging hole



Stand

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
70380	P-2 12 cm White	120×120×30	100		5	

Features

- Measures both temperature and humidity and displays comfortable zones in colors for health management or energy saving
- With hook hole

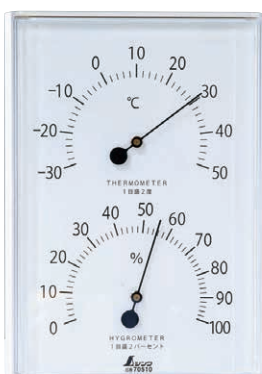
Use

- For temperature and humidity control at homes, in classrooms and offices, etc.

Specifications

Accuracy	<Temperature> -20 - 40°C: ±2°C Other values: ±4°C <Humidity> 35 - 75%: ±5% Other values: ±10%
Measuring Range	Temperature: -28 - 48°C Humidity: 15 - 100%
Each Graduation	Temperature: 2°C Humidity: 5%
Material	Body: ABS resin (antibacterial agent compounded) Scale Plate Cover: Polystyrene resin Scale Plate: Iron Pointer: Aluminum

Thermo/Hygrometer



70510

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
70510	W-1 White	165×120×20	145		5	

Features

- Thin wall-mounted type
- With hook hole



Use

- For temperature and humidity control at homes, in classrooms and offices, etc.

Specifications

Accuracy	<Temperature> -20 - 40°C: ±2°C Other values: ±4°C <Humidity> 35 - 75%: ±5% Other values: ±10%
Measuring Range	Temperature: -30 - 50°C Humidity: 0 - 100%
Each Graduation	Temperature: 2°C Humidity: 2%
Material	Body, Scale Plate Cover: Polystyrene resin Scale Plate: Iron Pointer: Aluminum

Thermo/Hygrometer



70494



70496



70498



70495



70497



70499



72591



72605



72691



72669

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
70494	Q-1 15 cm Blue	φ167×35	180	4 960910 704947	5	SP
70495	Q-1 15 cm Gray	φ167×35	180	4 960910 704954	5	SP
70496	Q-2 10 cm Blue	φ120×33	95	4 960910 704961	5	SP
70497	Q-2 10 cm Gray	φ120×33	95	4 960910 704978	5	SP
70498	Q-3 6.5 cm Blue	φ88×26	50	4 960910 704985	5	SP
70499	Q-3 6.5 cm Gray	φ88×26	50	4 960910 704992	5	SP
72591	F 15 cm	φ156×30	140	4 960910 725911	5	SP
72605	G 15 cm	φ156×30	140	4 960910 726055	5	SP
72691	U-1 10 cm	φ106×30	70	4 960910 726918	5	SP
72669	U-3 6.5 cm	φ71×21	30	4 960910 726697	5	SP

Features

- Measures both temperature and humidity for health management and energy saving
- Variety of sizes available from large easy-reading displays to small sizes for tight places
- With hook hole



- It can be used as a wall-mounted unit by removing the stand.
(70494/70495/70496/70497/70498/70499)



Use

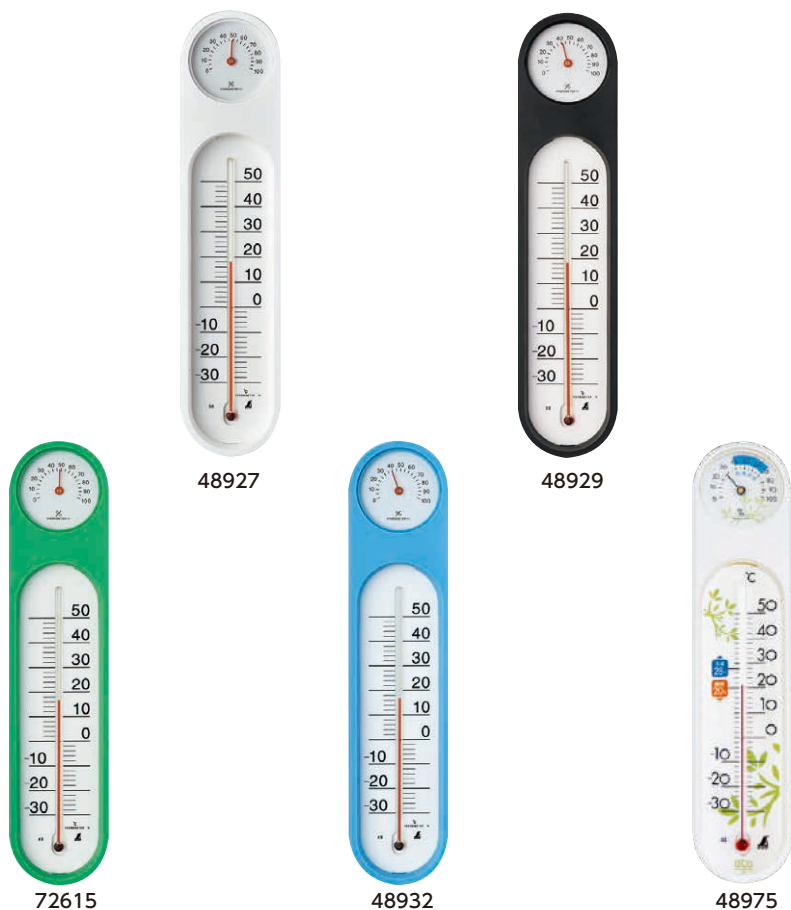
- For temperature and humidity control at homes, in classrooms and offices, etc.

Specifications

Item Code	70494	70495	70496	70497	70498	70499
Accuracy	<Temperature> -20 - 40°C: ±2°C Other values: ±4°C <Humidity> 35 - 75%: ±5% Other values: ±10%					
Measuring Range	Temperature: -30 - 50°C Humidity: 10 - 90%					
Each Graduation	Temperature: 2°C Humidity: 5%					
Material	Body, Scale Plate Cover: Polystyrene resin Scale Plate: Iron Pointer: Aluminum					

Item Code	72591	72605	72691	72669
Accuracy	<Temperature> -20 - 40°C: ±2°C Other values: ±4°C <Humidity> 35 - 75%: ±5% Other values: ±10%			
Measuring Range	Temperature: -30 - 50°C	Temp: -24 - 50°C	Humidity: 10 - 100%	Humidity: 10 - 90%
Each Graduation	Temperature: 2°C Humidity: 5%			
Material	Body: Polystyrene resin, ABS resin Scale Plate Cover: Polystyrene resin Scale Plate: Iron Pointer: Aluminum			

Thermo/Hygrometer



Features

- Measures both temperature and humidity to help health management or energy saving
- Choose from various colorful designs to match any rooms
- ECO White model also displays suggested air-conditioning temperature

- With hook hole

Use

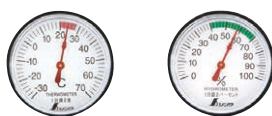
- For temperature and humidity control at homes, in classrooms and offices, etc.

Specifications

Accuracy	Temperature: $\pm 2^{\circ}\text{C}$
	<Humidity> 35 - 75%: $\pm 5\%$ Other values: $\pm 10\%$
Measuring Range	Temperature: $-30 - 50^{\circ}\text{C}$
	Humidity: 0 - 100%
Each Graduation	Temperature: 2°C
	Humidity: 5%
Material	Body, Scale Plate Cover: Polystyrene resin
	Scale Plate: Iron
	Pointer: Aluminum
	Tube: Glass
Temperature Sensitive Liquid: Colored refined white kerosene	

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
48927	White	295×67×19	100	4 960910 489271	5	
48929	Black	295×67×19	100	4 960910 489295		
72615	Green	295×67×19	100	4 960910 726154		
48932	Blue	295×67×19	100	4 960910 489325		
48975	ECO White	295×67×19	100	4 960910 489752		

Thermometer and Hygrometer Pair



72674

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
72674	ST-4 4.5 cm	$\phi 48 \times 17$	11	4 960910 726741	5	

Features

- Pair of compact thermometer and hygrometer
- Color indicates comfort zone
- Double-sided tape included for installation

Use

- For temperature and humidity control at homes, in classrooms and offices, etc.

Specifications

Accuracy	<Temperature> $-20 - 40^{\circ}\text{C}$: $\pm 2^{\circ}\text{C}$ Other values $\pm 4^{\circ}\text{C}$
	<Humidity> 35 - 75%: $\pm 5\%$ Other values $\pm 10\%$
Measuring Range	Temperature: $-30 - 70^{\circ}\text{C}$
	Humidity: 0 - 100%
Each Graduation	Temperature: 2°C
	Humidity: 2%
Material	Body: Polystyrene resin
	Scale Plate: Iron
	Pointer: Aluminum

Thermometer



72689



72667



72675

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
72689	S-1 10 cm	φ106×30	70	4 960910 726895	5	SP
72667	S-3 6.5 cm	φ71×21	30	4 960910 726673	5	SP
72675	S-5 3.5 cm	φ36×14	5	4 960910 726758	10	B

Features

- Lightweight, circular thermometer
- Easy-to-read graduations
- With hook hole (72689/72667)
- Comes with double-sided tape for mounting in various places (72675)

Use

- For temperature control at homes, in classrooms, or offices, etc.

Specifications

Item Code	72689	72667	72675
Accuracy	-20 - 40°C: ±2°C Other values: ±4°C		
Measuring Range	-30 - 50°C		
Each Graduation	2°C		
Material	Body: Polystyrene resin, ABS resin Scale Plate: Iron Pointer: Aluminum	Body: Polystyrene resin Scale Plate: Iron Pointer: Aluminum	Body: Polystyrene resin Scale Plate: Iron Pointer: Aluminum

Hygrometer



72690



72668

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
72690	T-1 10 cm	φ106×30	70	4 960910 726901	5	SP
72668	T-3 6.5 cm	φ71×21	30	4 960910 726680	5	SP

Features

- Lightweight, circular hygrometer
- Easy-to-read graduations
- With hook hole

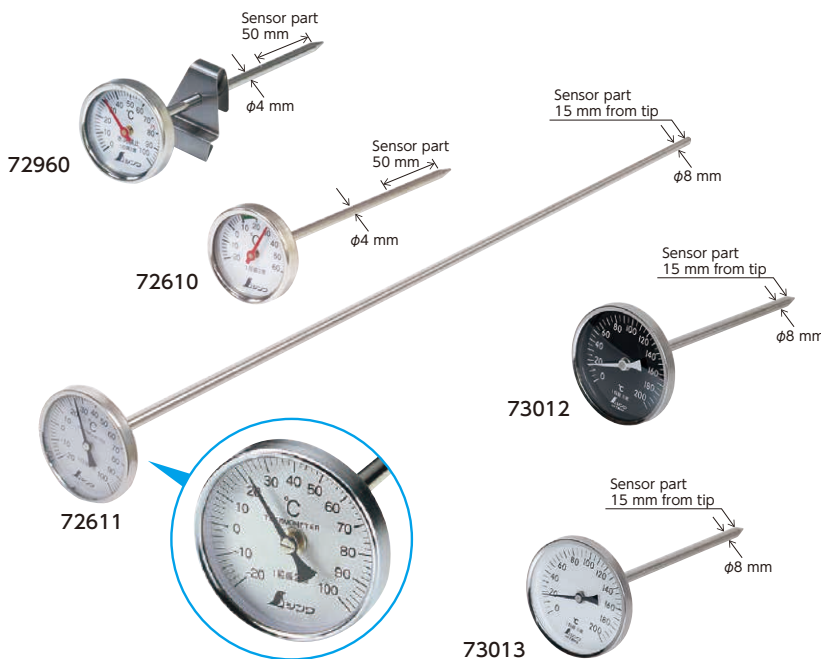
Use

- For humidity control at homes, in classrooms, or offices, etc.

Specifications

Accuracy	35 - 75%: ±5% Other values: ±10%
Measuring Range	0 - 100%
Each Graduation	2%
Material	Body: Polystyrene resin, ABS resin Scale Plate: Iron Pointer: Aluminum

Thermometer



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
72960	V-1 0 - 100°C φ3.5 x 13 cm	φ35×145	22	4 960910 729605	5	SP
72610	V-2 -20 - 60°C φ3.5 x 13 cm	φ35×140	15	4 960910 726109	10	SP
72611	V-3 -20 - 100°C φ6 x 90 cm	φ62×920	165	4 960910 726116	2	SP
73012	V-4 0 - 200°C White φ8 x 20 cm	φ83×215	111	4 960910 730120	1	C
73013	V-4 0 - 200°C Black φ8 x 20 cm	φ83×215	111	4 960910 730137	1	C

Features

- V-1
 - Insert into food to measure temperature while cooking
 - Use the holder to measure the temperature of liquid
 - 75°C stands out in red for heat sterilization of 0-157 strain
 - *Measurement Range: 0 - 100°C
 - Rust-resistant stainless steel
- V-2
 - Insert into the ground or pots to measure soil temperature
 - Different colors for each temperature range for easy reading
 - Rust-resistant stainless steel
- V-3
 - 90 cm-long thermo-sensitive probe makes it ideal for temperature control of compost in organic farming
 - Rust-resistant stainless steel
- V-4
 - Easy-to-read, large scale face (available in white and black)
 - Rust-resistant stainless steel
 - Wide measuring range enables use in many situations

Use

- V-1
 - As a cooking thermometer to measure the temperature of food, etc.
- V-2
 - For temperature control of raising seedlings and gardening, etc.
- V-3
 - For temperature control of compost
- V-4
 - For temperature control of asphalt and soil

Specifications

Item Code	72960	72610	72611	73012 73013
Accuracy	±2°C			
Measuring Range	0 - 100°C	-20 - 60°C	-20 - 100°C	0 - 200°C
Each Graduation	2°C			
Material	Body: Stainless steel Scale plate cover: Glass			

Digital Thermo/Hygrometer, Thermometer Smart



Features

- Bright, low-glare liquid crystal display with wide-viewing angle and clear font
- Flat surface model with stylish exterior. Ideal for temperature control in a space where appearance is important.
- External sensor is water-resistant for worry-free use even on a rainy day
- Folding stand for setting upright, and hook hole for hanging on wall



Use

- For temperature and humidity control at homes, in classrooms and offices, etc.

Specifications

Item Code	73115	73116	73117	73118
Accuracy	<Temp.> 0 - 40°C ±1°C Other values ±2°C	0 - 40°C: ±1°C Other values: ±2°C		
Measuring Range	Temperature: -5 - 49°C Humidity: 30 - 91%	-5 - 50°C	Internal sensor: -5 - 50°C External sensor: -49 - 70°C	Internal sensor: -5 - 50°C External sensor: -50 - 70°C
Minimum Display	Temperature: 0.1°C Humidity: 1%	0.1°C		
Measuring Interval	20 seconds	6 seconds	10 seconds	
Power Source	1x AAA alkaline battery (Battery included is for trial use only and may not last as long)			
Waterproof	-		External sensor: IPX7 *	
Material	Body: ABS resin		Body: ABS resin External Sensor: Stainless steel, vinyl chloride resin	
Size	-		External Sensor: φ4.5 × 13 mm Cord Length: 3 m	

*Water will not penetrate even if temporarily submerged (within 30 minutes) at a depth up to 1 m.

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
73115	Digital Thermo/Hygrometer Smart A	103×102×18	135	4 960910 731158	5	
73116	Digital Thermometer Smart A	70×102×18	95	4 960910 731165		
73117	Digital Thermometer Smart B for Indoor and Outdoor with Waterproof Outside Sensor	70×102×18	115	4 960910 731172		
73118	Digital Thermometer Smart C Maximum and Minimum for Indoor and Outdoor with Waterproof Outside Sensor	103×102×18	150	4 960910 731189		

Digital Thermo/Hygrometer Home A



Features

- Bright, low-glare liquid crystal display with wide-viewing angle and clear font
- Display can switch between maximum temperature/humidity and minimum temperature/humidity
- Can be used in a wide range of locations thanks to its compact and simple design that suits any interior
- Can be propped up with its folding stand, or hung on a wall with its hook hole



On the table



On the wall



- Clear package recommended for gifts

Use

- For temperature and humidity control at homes, in classrooms and offices, etc.

Specifications

Accuracy	<Temp.> 0 - 40°C: ±1°C Other Values: ±2.5°C <Humidity> 40 - 80%: ±10% Other Values: ±15%
Measuring Range	Temp.: -5 - 49°C Humidity: 30 - 95%
Minimum Display	Temp.: 0.1°C Humidity: 1%
Measuring Interval	10 seconds
Material	Body: ABS resin
Power Source	1x AAA alkaline battery (Battery included is for trial use only and may not last as long)

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
73044	White with Clear Package	80×70×20	65	4 960910 730441	10	
73048	Blue with Clear Package	80×70×20	65	4 960910 730489		
73049	Green with Clear Package	80×70×20	65	4 960910 730496		

Carpenter's Squares
Stainless Steel Rules / Machine Scale
Aluminum Rules
Resin Rules / Bamboo Rules
Squares / Protractors
Vernier Calipers / Micrometers
Tape Measures
Surveying Products
Scales
Levels
Lasers / Optical Equipment
Inclines / Chalklines / Plumblines
Circular Saw Guides
Construction Tools
Industrial Tools
Thermometers / Hygrometers / Environmental Measuring Instruments
Outdoor Products
Magnifying Glasses
Drawing Tools
Magnets

Digital Thermo/Hygrometer



72989



72985

What is discomfort index?
It is calculated with temperature and humidity to measure the degree of discomfort experienced by an individual. Keeping conditions comfortable can prevent heatstroke or flu.



Based on the discomfort index, you can easily see if the current temperature and humidity are in a comfortable zone



73054



73055



73056



73057

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
72989	B Maximum and Minimum with Solar Panel	155×112×23	185	4 960910 729896	5	SP
72985	C with Discomfort Index Meter	108×102×20	137	4 960910 729858	5	SP
73054	D-1 Blue	138×113×24	175	4 960910 730540	5	SP
73055	D-1 Orange	138×113×24	175	4 960910 730557	5	SP
73056	D-2 Blue	138×113×24	175	4 960910 730564	5	SP
73057	D-2 Orange	138×113×24	175	4 960910 730571	5	SP

Features

- Displays both temperature and humidity in a room
- Folding stand and hole for hook to use on a wall or desk
- B
 - Records maximum and minimum temperatures and humidity for a set period of time by pushing "MAX/MIN" button. "RESET" button will reset the record.
 - Solar panel reduces battery use
- C
 - Displays in five levels
- D-1, D-2
 - Alarm can be set for certain temperature or humidity
 - Clear, easy-to-read heatstroke warning level icon
 - Measures the highest/lowest temperature and humidity (73056/73057)

Use

- For temperature and humidity control at homes, in classrooms and offices, etc.

Specifications

Item Code	72989	72985		
Accuracy	<Temperature> 0 - 40°C: ±1°C Other values ±2°C			
Measuring Range	Temperature: -5 - 50°C Humidity: 30 - 95%			
Power Source	Solar Panel/1x Lithium battery CR2032 *Solar panel - above 150 lux *Battery - below 150 lux	1x AAA alkaline battery		
Material	Body: ABS resin			
Item Code	73054	73055	73056	73057
Accuracy	Temperature: 0 - 40°C: ±1°C Other values: ±2°C Humidity: 30 - 80%: ±5% Other values: ±10%			
Measuring Range	Temperature: -5 - 50°C Humidity: 25 - 95%			
Measuring Interval	10 seconds			
Alarm Sound Interval	1 second			
Alarm Volume	Approx. 75 dB (10 cm apart)			
Heatstroke Levels	5 Level Icons Attention, Caution/, Severe Caution, Danger, etc.			
Power Source	2x AAA alkaline batteries (Batteries included are for trial use only and may not last as long)			
Material	Body: ABS resin			

Waterproof Digital Thermometer



73045

Sensor part
15 mm from tip
50 mm



73046

Sensor part
15 mm from tip
50 mm



● Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
73045	G-1 Maximum and Minimum Remote-reading	129×117×24.5	215	4 960910 730458	5	SP
73046	G-2 Remote-reading for 2 points	129×117×24.5	245	4 960910 730465	5	SP

Features

- Waterproof
- Insert into the ground to measure soil temperature (Main unit does not contain temperature sensor)
- User-friendly digital thermometer with a large display
- G-1
 - Displays maximum, minimum, and current temperature together
- G-2
 - Two temperature sensors enable simultaneous measurement at two separate points

Use

- For temperature control in agricultural work or at home

Specifications

Item Code	73045	73046
Accuracy	0 - 40°C: ±1°C Other temperature: ±2°C	
Measuring Range	-50 - 90°C	
Minimum Display	0.1°C	
Operating Temperature	Main Unit: -5 - 50°C, Temperature Sensor: -50 - 90°C	
Measurement Interval	10 sec	
Power Source	1x AAA alkaline battery (Battery included is for trial use only and may not last as long)	
Waterproof	Main Unit, Cord: IPX4*1 Temperature Sensor: IPX7*2	
Probe Size	Temperature Sensor: φ5 x 50 mm Cord Length: 3 m	
Number of Cord	1	2
Material	Main Unit: ABS resin, acrylic resin Temperature Sensor: Stainless, vinyl chloride resin	

*1 Waterproof: Protected from water spray from any direction
*2 Water will not penetrate even if temporarily submerged (within 30 minutes) at a depth up to 1 m.

Waterproof Digital Thermometer with Remote Probe



Probes for H-2 sold separately
Tip shape



NEW 73101



NEW 73102



NEW 73103



NEW 73104



73102

Features

- IPX7 waterproof *1
- Enables user to read temperature remotely
- Includes hold function
- Auto power off function



H-1

- HI/LOW alarm beeps at set temperature
- Probe sensor to measure internal temperature
- Includes clip and stand for use in various settings
- Includes cap to protect tip of probe
- Cord can be coiled on back for storage



H-3

- Able to display maximum and minimum temperature during measurement
- Replacement probes are available for various purposes
- HI/LOW alarm beeps at set temperature
- Memory records previous 10 measured values
- Backlight function
- With stand for setting up in various places



Use

- For various uses such as cooking, facility management, or experiments, etc.

Specifications

Item Code	73080	73083
Accuracy	-20 - 150°C: ±1°C -30 - -21°C, 151 - 250°C: ±2°C	±1°C
Measuring Range	-30 - 250°C*1	
Minimum Display	0.1°C	
Operating Temperature	Temperature: 0 - 50°C Humidity: Less than 80% (no bedewing)	
Measurement Interval	1 sec	
Auto Power Off	1 hour after operation stops	
Power Source	1x AAA alkaline battery	2x AAA alkaline batteries (Batteries included are for trial use only and may not last as long.)
Waterproof	IPX7*2	
Probe Size	Probe: φ3.5 × 100 mm Cord Length: 1 m	Probe: φ3.5 × 110 mm Cord Length: 1.4 m
Material	Main Unit, Cap: ABS resin Probe: Stainless steel	Main Unit, Cap: ABS resin Probe: Stainless steel Protecting Cover: Vinyl chloride resin

Item Code	73101 73087*3	73102	73103 73089*3	73104 73090*3
Measuring Range	-30 - 250°C*2			
Operating Temperature (Main Unit, Cord)	Temperature: 0 - 50°C Humidity: Less than 80% (no bedewing)			
Waterproof	IPX7*1			
Probe Size	Probe φ2.0 × 185 mm	Probe φ3.5 × 110 mm	Probe φ5.0 × 275 mm	Probe φ3.5 × 110 mm (Tip: φ15 mm)
	Cord Length: 1.4 m			
Material	Probe: Stainless steel			
Accessories	Cap			

*1 Water will not penetrate even if temporarily submerged (within 30 minutes) at a depth up to 1 m.
*2 -50 - -31°C and 251 - 300°C can be indicated but the accuracy is not guaranteed.

***3 H-2 probe is not compatible with the H-3 probe.**

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
73080	H-1	103×66×25	105	4 960910 730809	5	
73083	H-3	172×77×46	360	4 960910 730830	1	
73101	Remote Probe Thin Model φ2.0 x 185 mm for Digital Thermometer H-3	φ18×345	80	4 960910 731011	1	
73102	Remote Probe Standard Model φ3.5 x 110 mm for Digital Thermometer H-3	φ18×273	80	4 960910 731028	1	
73103	Remote Probe Long and Thick Model φ5.0 x 275 mm for Digital Thermometer H-3	φ18×443	92	4 960910 731035	1	
73104	Remote Probe Surface Model φ3.5 x 110 mm for H-3	φ18×270	83	4 960910 731042	1	
73087	Remote Probe Thin Model φ2.0 x 185 mm for Digital Thermometer H-2	φ18×345	80	4 960910 730878	1	
73089	Remote Probe Long and Thick Model φ5.0 x 275 mm for Digital Thermometer H-2	φ18×443	92	4 960910 730892	1	
73090	Remote Probe Surface Model φ3.5 x 110 mm for H-2	φ18×270	83	4 960910 730908	1	

Carpenter's Squares
Stainless Steel Rules / Machine Scale
Aluminum Rules
Resin Rules / Bamboo Rules
Squares / Protractors
Vernier Calipers / Micrometers
Tape Measures
Surveying Products
Scales
Levels
Lasers / Optical Equipment
Inclines / Chalklines / Plumblines
Circular Saw Guides
Construction Tools
Industrial Tools
Thermometers / Hygrometers / Environmental Measuring Instruments
Outdoor Products
Magnifying Glasses
Drawing Tools
Magnets

Thermometer for Accumulated Temperature

NEW

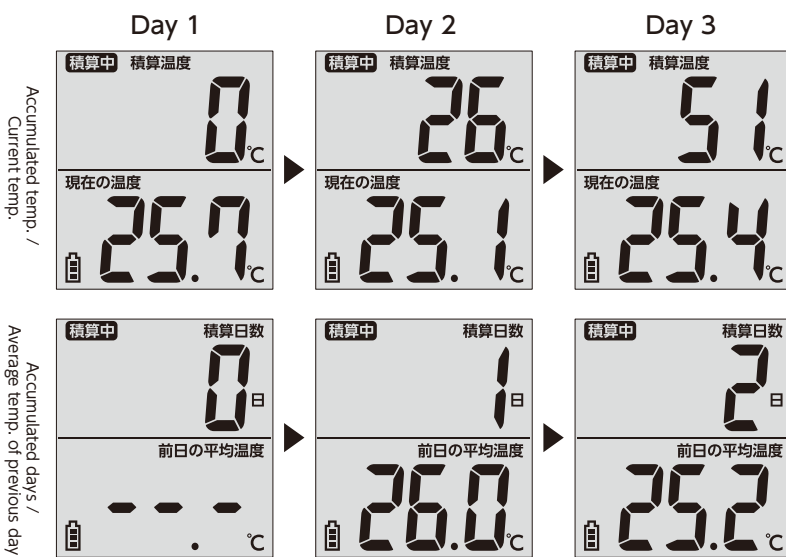


73480



What is accumulated temperature?

This is the sum of daily average temperatures over a period of time and is used as a guide to the proper harvest time for crops



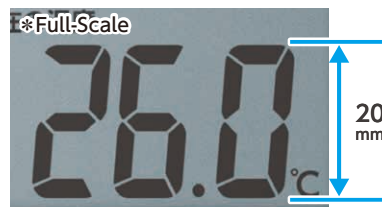
Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
73480	Waterproof	125×68×28	180	4 960910 734807	5	SP

Features

● Operation buttons are on the front and can be operated



● Large display panel with 20 mm-character height for easy reading



● With battery consumption display to check battery status



● Battery can be replaced while accumulating temperature. Automatic backup function saves the accumulated temperature upto that point even if battery runs out during measurement.

● Lightweight and compact

● IP64*3 dust/waterproof performance for safe use even when wet



● With hook hole and stand for installation according to use

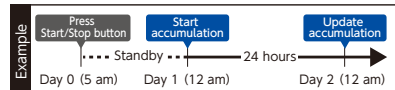
Use

- As a guide to harvest time when growing fruits and vegetables
- For measuring the accumulated temperature

Specifications

Measuring Range	-5 - 50°C
Accumulated Temperature Measurement Range	0 - 9,999°C
Accumulated Days	Approximately 400 days (when measuring avg. temp. of 25°C)
Accuracy	0 - 50°C: ±1°C Other temperature: ±2°C
Minimum Display	0.1°C (Accumulated temperature: 1°C)
Measuring Interval	1 min*1
Accumulated temperature update interval	24-hour interval*2
Power Source	4X AAA Alkaline batteries (Batteries included are for trial use only and may not last as long)
Battery Life	About two years
Dust/Waterproof	IP64*3
Material	Main Unit: ABS resin Display Cover: Polycarbonate resin Display: Glass

*1 This product has a built-in sensor. Since it is sealed due to its dustproof and waterproof structure, it may not respond immediately to large temperature changes.



*2 Accumulation starts at midnight when the Start/Stop button is pressed, and the average temperature is added to the accumulated temperature at midnight the next day.

*3 Dustproof performance: Dust will not penetrate. Waterproof performance: Protected from water spray from any direction.

Digital Thermometer for Refrigerator



73042

*When used in a freezer, cannot be installed in such a way where opening and closing the door (etc.) would put repeated stress on the cord.

Features

- Can switch between display of temperature inside and outside the refrigerator
- Displays maximum, minimum, and current temperature together
- Waterproof
- Stand, magnet and hook, making it possible to install in a variety of places

Use

- For measuring temperature inside and outside of refrigerator

Specifications

Accuracy	Outside Refrigerator (OUT): ±1°C for 0 - 40°C, ±2°C for the other temperature Inside Refrigerator (IN): ±1°C for -10 - 40°C, ±2°C for the other temperature
Measuring Range	Outside Refrigerator (OUT): -5 - 50°C Inside Refrigerator (IN): -50 - 70°C
Minimum Display	IN/OUT: 1°C MAX/MIN: 1°C
Measuring Interval	10 sec
Probe Size	Temperature Sensor: φ4.5 × 13 mm Cord Length: 3 m
Power Source	1x alkaline battery LR44 (Battery included is for trial use only and may not last as long)
Waterproof	IPX4* (for both main unit and sensor)
Material	Body: ABS resin, polycarbonate resin

* IPX4 Waterproof: Protected from water spray from any direction

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
73042	A Maximum and Minimum Remote-reading	65×65×19	75	4 960910 730427	10	

Thermometer for Refrigerator

Antibacterial agent compounded



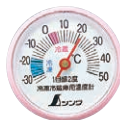
72532

*Magnet may be damaged if used at low temperature for a long time.

72692



Antibacterial agent compounded



72703

*When used in a freezer, cannot be installed in such a way where opening and closing the door (etc.) would put repeated stress on the cord (72692).

Features

- 72532
 - Magnet and double-sided mount tape on the back
- 72703
 - Two aluminum bases are included to position two different places such as refrigerator and freezer. Optimum range indicator sticker is included.
- 72692
 - Sensor inside refrigerator measures temperature which is read on unit attached to the outside of the refrigerator (Probe: φ5 × 35 mm, cord length: 70 cm, sensor part: 5 cm)

Use

- For measuring temperature inside of refrigerator

Specifications

Item Code	72532	72703	72692
Accuracy	±2°C		
Measuring Range	-30 - 50°C	-34 - 50°C	-40 - 50°C
Each Graduation	1°C	2°C	
Material	Body: Polystyrene resin (Antibacterial agent compounded) Tube: Glass Temperature Sensitive Liquid: Colored refined white kerosene	Body: ABS resin (Antibacterial agent compounded) Scale Plate Cover: Polystyrene resin	Body: ABS resin Scale Plate Cover: Aluminum Tube: Glass Temperature Sensitive Liquid: Colored refined white kerosene
Accessories	Double-sided tape	2x aluminum bases Optimum range indicator sticker	Holder

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
72532	A with Magnet	135×24×7	20	4 960910 725324	10	
72703	A-3 5 cm	φ50×20	17	4 960910 727038	5	
72692	A-4 Remote-reading with Magnet	144×41×26	70	4 960910 726925	5	

Digital Thermometer T for Refrigerator



72980

*When used in a freezer, cannot be installed in such a way where opening and closing the door (etc.) would put repeated stress on the cord.

Features

- Magnet on the back
- Store excess cord around unit
- Position extra long cord with suction cups

Use

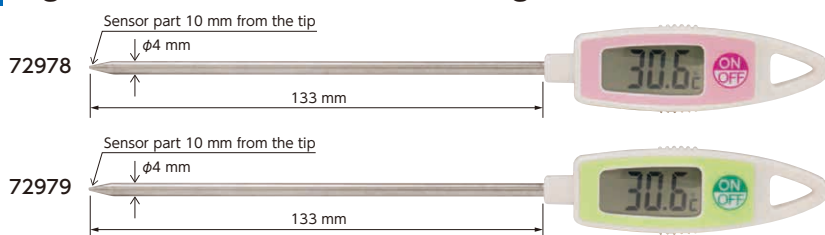
- For measuring temperature inside of refrigerator

Specifications

Accuracy	-10 - 30°C: ±1°C Other values: ±2.5°C
Measuring Range	-30 - 50°C
Probe Size	Temperature Sensor: φ4.5 × 13 mm Cord Length: 1.2 m
Power Source	1x alkaline battery LR1130 (Battery included is for trial use only and may not last as long)
Material	Body: ABS resin

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
72980	Round-shape	φ50×20	38	4 960910 729803	10	

Digital Thermometer T for Cooking



72978

72979

Features

- Measures temperature with ON/OFF switch operation
- Long probe helps safe measurement
- Drip-proof design *Display cannot be washed with detergent.
- With Auto Power Off

Use

- For measuring temperature of food or oil for deep frying

Specifications

Accuracy	0 - 100°C: ±1°C Other values: ±2°C
Measuring Range	-30 - 250°C
Minimum Measurement	0.1°C
Display	4 digits, character height 11 mm
Power Source	1x alkaline battery LR44 (Battery included is for trial use only and may not last as long)
Auto Power Off	Approximately 30 minutes after turning on power
Material	Display, Cap: ABS resin Probe: Stainless steel
Accessories	Cap

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
72978	Pink	215×25×15	21	4 960910 729780	5	
72979	Green	215×25×15	21	4 960910 729797	5	

Thermometer for Frying Oil



72967

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
72967	Chopstick Model	φ26×350	50	4 960910 729674	10	SP

Features

- Specifically designed to measure oil for deep-frying. The chopstick shape allows temperature measurement while using as cooking chopsticks.
- Lightweight and non-slip aluminum, easy to clean

Use

- For measuring oil temperature when cooking fried foods

Specifications

Accuracy	±5°C
Measuring Range	100 - 200°C
Each Graduation	5°C
Material	Body: ABS resin, aluminum

Digital Thermometer for Bath

Turns on with a simple bump



73098



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
73098	B	95×75×30	55	4 960910 730984	5	SP

Features

- Cute thermometer that makes bath time fun
- Ideal for temperature control of a baby bath with warning display function that notifies of high/low temperature

Use

- For health management and baby bath temperature control

Specifications

Accuracy	25 - 45°C: ±1°C Other values: ±2°C
Measuring Range	0 - 50°C
Minimum Display	1°C
Measuring Interval	5 sec
Power Source	1x lithium battery CR2032 (Battery included is for trial use only and may not last as long)
Auto Power Off	Approximately 1 hour after turning on power
Material	Body: Vinyl chloride resin, ABS resin Temperature Sensor: Stainless steel

Thermometer for Bath



72648



72760



72651



72725



73096



73097

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
72648	B Blue	160×63×23	48	4 960910 726482	10	SP
72760	B Pink	160×63×23	48	4 960910 727601		
72651	B-3	φ25×215	48	4 960910 726512		
72725	B-8	125×87×23	45	4 960910 727250		
73096	B-10 Purple	96×91×26	48	4 960910 730960	5	SP
73097	B-10 White	96×91×26	48	4 960910 730977		

Features

- Cute thermometer that makes bath time fun
- Antibacterial agent compounded body keeps it clean (except for 72651)
- B-10 model has a receptacle for essential oils so the aroma can be enjoyed at bath time

*Essential oils not included



Use

- Temperature control for baby's bath
- For heat shock prevention



Specifications

Item Code	72648	72760
Accuracy	±2°C	
Measuring Range	20 - 60°C	
Each Graduation	2°C	
Material	Body: Polystyrene resin (Antibacterial agent compounded) Tube: Glass Temperature Sensitive Liquid: Colored refined white kerosene	
Item Code	72651	72725
Accuracy	±1°C	±2°C
Measuring Range	-5 - 55°C	20 - 50°C
Each Graduation	1°C	2°C
Material	Body: Polystyrene resin (antibacterial agent compounded) Tube: Glass Temperature Sensitive Liquid: Colored refined white kerosene	Body: Polystyrene resin (antibacterial agent compounded) Tube: Glass Temperature Sensitive Liquid: Colored refined white kerosene
Item Code	73096	73097
Accuracy	±2°C	
Measuring Range	10 - 50°C	
Each Graduation	2°C	
Material	Body: Polypropylene resin (antibacterial agent compounded) Tube: Glass Temperature Sensitive Liquid: Colored refined white kerosene	

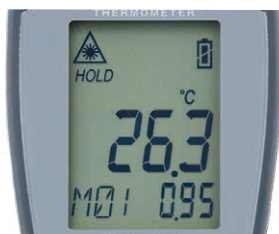
Infrared Thermometer Features

H Emissivity Adjustable Model with Dual Laser Pointer for High Temperature	G Shock-resistant Emissivity Adjustable Model with Dual Laser Pointer	C Emissivity Adjustable Model	E Emissivity Adjustable Model with Dual Laser Pointer	B with Laser Pointer	D Emissivity Adjustable Model with Probe	A Emissivity Adjustable Model with Clock Function	F
▶p.209	▶p.209	▶p.209	▶p.209	▶p.210	▶p.210	▶p.210	▶p.210
Memory Function	Shock-resistant Model				With Probe	Clock Function	
			Dust/Water Proof		Dust/Water Proof		
Emissivity Adjustable Model				Emissivity Adjustable Model			
Laser Pointer						Compact Model	
Tripod Socket							

Features

Memory Function

Up to 24 measured values and emissivity setting values can be stored.



Shock-Resistant Model

Robust specifications that have passed a 2 m drop test.



With Probe

Check cooked meat with the probe to see if the temperature reaches the point that kills E. coli.



Clock Function

Can display the room temperature and time.



Dust/Water Proof

IP54 dust/waterproof rating.

Dustproof performance: Protected from limited dust ingress.
 Waterproof performance: Protected from water spray from any direction.



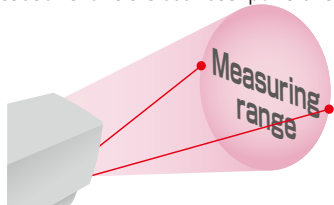
Emissivity Adjustable Model

Emissivity can be adjusted according to the object to be measured.



Laser Pointer

Laser pointer helps to find the measurement range at a glance.
 *Illustration shows the dual laser point function.



Compact Model

Portable, compact design.



Tripod socket

Can be attached to a tripod for fixed point measurement.



Carpenter's Squares
 Stainless Steel Rules / Machine Scale
 Aluminum Rules
 Resin Rules / Bamboo Rules
 Squares / Protractors
 Vernier Calipers / Micrometers
 Tape Measures
 Surveying Products
 Scales
 Levels
 Lasers / Optical Equipment
 Incliners / Chalklines / Plumblines
 Circular Saw Guides
 Construction Tools
 Industrial Tools
 Thermometers / Hygrometers / Environmental Measuring Instruments
 Outdoor Products
 Magnifying Glasses
 Drawing Tools
 Magnets

Infrared Thermometer



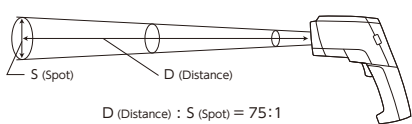
PSC compatible product

Do not stare into beam
 Maximum Output 1 mW
 Wavelength 635 - 660 nm
 Class 2 Laser Product JIS C6802:2014

D:S 75:1
ENERGY SAVING Auto power off
VISIBLE Dual laser point
MEASURING RANGE -35 - 1,500°C
Emissivity Adjustable type
HOLD & LOCK HOLD mode LOCK mode
IN A DARK Back light
TRIPOD SCREW 1/4 inch
DURABLE Shock resistant

MODE
 High alarm Low alarm
 Max Temp Min Temp
 Max/Min Diff Avg Temp

73100



D (Distance) : S (Spot) = 75 : 1

Example: 2 m 25 cm distance to the object being measured → 3 cm spot
 7 m 50 cm distance to the object being measured → 10 cm spot
 *Measuring range minimum diameter: 25 mm



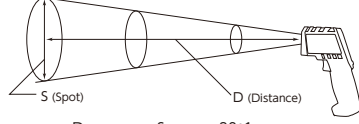
PSC compatible product

Do not stare into beam
 Maximum Output 1 mW
 Wavelength 635 - 660 nm
 Class 2 Laser Product JIS C6802:2014

D:S 30:1
ENERGY SAVING Auto power off
VISIBLE Dual laser point
MEASURING RANGE -60 - 760°C
Emissivity Adjustable type
HOLD & LOCK HOLD mode LOCK mode
IN A DARK Back light
TRIPOD SCREW 1/4 inch
DURABLE Shock resistant

MODE
 High alarm Low alarm
 Max Temp Min Temp
 Max/Min Diff Avg Temp

73063



D (Distance) : S (Spot) = 30 : 1

Example: 90 cm distance to the object being measured → 3 cm spot
 15 cm distance to the object being measured → 50 cm spot
 *Measuring range minimum diameter: 20 mm

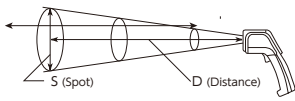


PSC compatible product

Do not stare into beam
 Maximum Output 1 mW
 Wavelength 635 - 660 nm
 Class 2 Laser Product JIS C6802:2014

D:S 16:1
ENERGY SAVING Auto power off
VISIBLE Dual laser point
MEASURING RANGE -60 - 625°C
Emissivity Adjustable type
HOLD & LOCK HOLD mode LOCK mode
IN A DARK Back light
MODE
 High alarm Low alarm
 Max Temp Min Temp
 Max/Min Diff Avg Temp

73014



D (Distance) : S (Spot) = 16 : 1

Example: 48 cm distance to the object being measured → 3 cm spot
 8 m distance to the object being measured → 50 cm spot
 *Measuring range minimum diameter: 20 mm

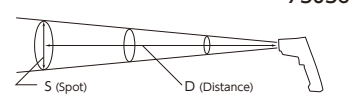


PSC compatible product

Do not stare into beam
 Maximum Output 1 mW
 Wavelength 635 - 660 nm
 Class 2 Laser Product JIS C6802:2014

D:S 12:1
ENERGY SAVING Auto power off
VISIBLE Dual laser point
MEASURING RANGE -60 - 550°C
Emissivity Adjustable type
HOLD & LOCK HOLD mode LOCK mode
RESISTANCE IP54
IN A DARK Back light
MODE
 High alarm Low alarm
 Max Temp Min Temp
 Max/Min Diff Avg Temp

73036



D (Distance) : S (Spot) = 12 : 1

Example: 24 cm distance to the object being measured → 2 cm spot
 6 m distance to the object being measured → 50 cm spot
 *Measuring range minimum diameter: 20 mm

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
73100	H Emissivity Adjustable Model with Dual Laser Pointer for High Temperature	204×58×179	370	4 960910 731004	1	B
73063	G Shock-resistant Emissivity Adjustable Model with Dual Laser Pointer	172×46×119	252	4 960910 730632	1	
73014	C Emissivity Adjustable Model	185×46×143	245	4 960910 730144	2	SP
73036	E Emissivity Adjustable Model with Dual Laser Pointer	144×43×117	180	4 960910 730366	2	

Features

- Non-contact operation makes it safe and sanitary
- Adjustable emissivity according to the object to be measured
- Can show temperature simultaneously with maximum temperature, minimum temperature, difference between max/min temperature, or average temperature
- High/Low alarm function beeps and displays a notification when a set temperature is reached
- Backlight function
- Auto power off function

H

- Model for high temperature measurements. Measurement range is -35 - 1,500°C to give the widest-possible range of temperature measurements.
- With memory function that records a maximum of 24 readings
- High distance coefficient of D:S=75:1 enables measurement of a narrow range even from a distant position
- Comes with convenient protector case for storage and portability

G

- Shock-resistant model
- Color bars indicating temperature change (Max/Min temperature mode)

C

- Laser helps to find the measuring point at a glance
- *Center of the measuring range diameter is approximately 2 cm above the laser point.

E

- IP54 dust and water proof
- Dustproof: Penetration by a little dust will not disturb normal operation
- Waterproof: Drops of water from any direction do not affect normal operation

H/G/E

- Dual laser points show both sides of the measuring range diameter

H/G

- Tripod socket screw for fixed point measurement
- With case (73100)

Use

- For various temperature measurements (Cannot be used to measure body temperature).

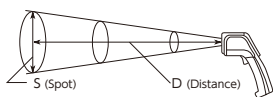
Specifications

Item Code	73100	73063
Accuracy	0 - 1 500°C: ±2% or ±2°C (higher value) -35 - 0°C: ±1-2°C+(displayed value×0.05)°C	0 - 760°C: ±2% or 2°C (higher value) -60 - 0°C: ±1-2°C+(displayed value×0.05)°C
Measuring Range	-35 - 1,500°C	-60 - 760°C
Resolution	-35-999.9°C: 0.1°C Other values: 1°C	0.1°C
Measuring Interval	1 sec	
Measurement Wavelength	8 - 14 μm	
Operating Temperature	0 - 50°C	
Emissivity	Adjustable 0.1 - 1 (default as 0.95)	
Auto Power Off	60 seconds after stopped operation	
Battery Life	12 hours *1 (continuous use)	7 hours *2 (continuous use)
Power Source	2x AAA alkaline batteries (Batteries included are for trial use only and may not last as long)	
Laser Wavelength	635 - 660 nm	
Output	1 mW or less (Class 2 JIS C6802:2014)	
Tripod Screw	1/4 inch	
Material	Body: ABS resin	

Item Code	73014	73036
Accuracy	0 - 625°C: ±2% or 2°C (higher value) -60 - 0°C: ±1-2°C+(displayed value×0.05)°C	0 - 550°C: ±2% or 2°C (higher value) -60 - 0°C: ±1-2°C+(displayed value×0.05)°C
Measuring Range	-60 - 625°C	-60 - 550°C
Resolution	-9.9 - 199°C: 0.1°C. Other values: 1°C	
Measuring Interval	1 sec	
Measurement Wavelength	8 - 14 μm	
Operating Temperature	0 - 50°C	
Emissivity	Adjustable 0.1 - 1 (default as 0.95)	
Auto Power Off	60 seconds after stopped operation	
Battery Life	14 hours (continuous use) *1	
Power Source	2x AAA alkaline batteries (Batteries included are for trial use only and may not last as long)	
Laser Wavelength	635 - 660 nm	
Output	1 mW or less (Class 2 JIS C6802:2014)	
Dust/Waterproof	—	IP54
Material	Body: ABS resin	Body: ABS resin, elastomer resin

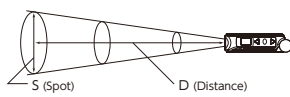
*1 140 hours of continuous use when not using the laser pointer and backlight
 *2 30 hours of continuous use when not using the laser pointer

Infrared Thermometer



$$D (\text{Distance}) : S (\text{Spot}) = 12:1$$

Example: 36 cm distance to the object being measured → 3 cm spot
6 m distance to the object being measured → 50 cm spot
*Measuring range minimum diameter: 20 mm

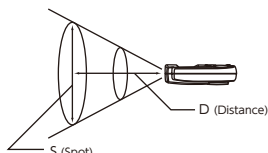


$$D (\text{Distance}) : S (\text{Spot}) = 2.5:1$$

Example: 5 cm distance to the object being measured → 2 cm spot
1 m distance to the object being measured → 40 cm spot
*Measuring range minimum diameter: 10 mm

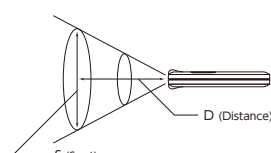


With stand
Clock, Stopwatch function
*Displays the room temperature during the clock mode



$$D (\text{Distance}) : S (\text{Spot}) = 1:1$$

Example: 10 cm distance to the object being measured → 10 cm spot
*Measuring range minimum diameter: 8 mm



Example: 10 cm distance to the object being measured → 10 cm spot
*Measuring range minimum diameter: 7 mm

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
73010	B with Laser Pointer	185×46×143	240	4 960910 730106	2	
73017	D Emissivity Adjustable Model with Probe	165×20×46	92	4 960910 730175	2	
73009	A Emissivity Adjustable Model with Clock Function	68×37×18	31	4 960910 730090	5	
73038	F	91×36×15	31	4 960910 730380	5	

Features

- Non-contact operation makes it safe and sanitary
- Auto power off function
*Only when clock function is not set for 73009.
- B
 - Laser helps to find the measuring point at a glance
*Center of the measuring range diameter is approximately 2 cm above the laser point.
 - Backlight function
- D
 - Two Measuring Methods: Non-contact (infrared), and contact (probe)
 - Infrared
Able to safely measure a high-temperature object such as an engine or motor
*Adjustable emissivity according to the object to be measured
 - Probe
Check cooked meat with the probe to see if the temperature reaches the point that kills E. coli
- IP54 dust and water proof
Dustproof: Protected from limited dust ingress
Waterproof: Protected from water spray from any direction
- A
 - Portable, ultra-compact size
 - Continuous measuring mode enables temperature to be displayed in a series
 - Min/Max measuring mode displays the lowest and highest temperature while the key is pressed
 - Adjustable emissivity
 - With strap
- F
 - Portable, compact size

Use

- For various temperature measurements (Cannot be used to measure body temperature).

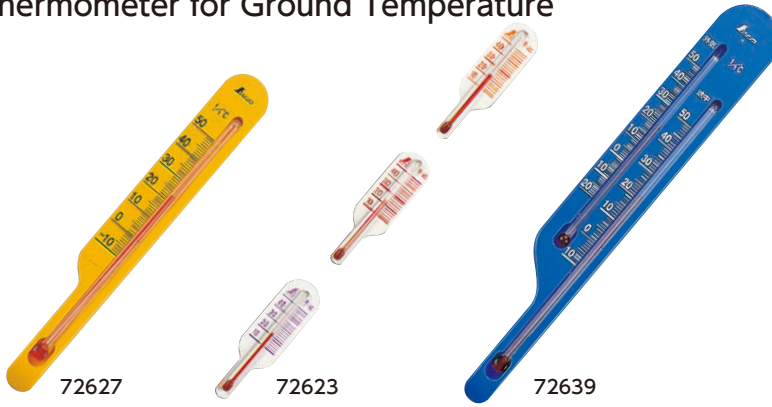
Specifications

Item Code	73010	73017
Accuracy	0 - 500°C: ±2% or ±2°C (higher value) -60 - 0°C: ±1% ±(-2°C+(displayed value×0.05)°C)	±2% or ±2°C (higher value) Probe 65°C up: ±1% -5 - 65°C: ±0.5°C -5°C or less: ±1°C
Measuring Range	-60 - 500°C	-33 - 220°C
Resolution	-9.9 - 199.9°C: 0.1°C	Other values: 1°C
Measuring Interval	1 sec	
Measurement Wavelength	8 - 14 μm	
Operating Temperature	0 - 50°C	
Emissivity	0.95 (fixed)	Adjustable 0.1 - 1 (default as 0.95)
Auto Power Off	15 seconds after stopped operation	
Battery Life	14 hours (continuous use)	40 hours (continuous use)
Power Source	2x AAA alkaline batteries	1x lithium battery CR2450 (Batteries included are for trial use only and may not last as long)
Laser Wavelength	635 - 660nm	—
Output	1 mW or less (Class 2 JIS C6802:2014)	—
Dust/Waterproof	—	IP54
Material	Body: ABS resin	

Item Code	73009	73038
Accuracy	±2% or ±2°C (higher value)	0°C or more: ±2.5% or ±2.5°C (higher value) -33 - 0°C: ±1% ±(-2.5°C+(displayed value×0.05)°C)
Measuring Range	-55 - 220°C	-33 - 199°C
Resolution	-9.9 - 199.9°C: 0.1°C Other values: 1°C	-9.9 - 199.9°C: 0.5°C Other values: 1°C
Measuring Interval	1 sec	
Measurement Wavelength	8 - 14 μm	
Operating Temperature	0 - 50°C	
Emissivity	Adjustable 0.05 - 1 (default as 0.95)	0.95 (fixed)
Auto Power Off	15 seconds after stopped operation (When clock function is not set)	15 seconds after stopped operation
Battery Life	40 hours (continuous use)	
Power Source	1x lithium battery CR2032 (Battery included is for trial use only and may not last as long)	
Material	Body: ABS resin	

Carpenter's Squares
Stainless Steel Rules / Machine Scale
Aluminum Rules
Resin Rules / Bamboo Rules
Squares / Protectors
Vernier Calipers / Micrometers
Tape Measures
Surveying Products
Scales
Levels
Lasers / Optical Equipment
Inclines / Chalklines / Plumblines
Circular Saw Guides
Construction Tools
Industrial Tools
Thermometers / Hygrometers / Environmental Measuring Instruments
Outdoor Products
Magnifying Glasses
Drawing Tools
Magnets

Thermometer for Ground Temperature



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
72622	O-2 White	190×25×7	20	4 960910 726222	10	SP
72627	O-2 Yellow	190×25×7	20	4 960910 726277		
72630	O-2 Blue	190×25×7	20	4 960910 726307		
72623	O-3 Mini A 3 pc-pack (Red, Orange, Purple)	56×17×3	1	4 960910 726239		
72633	O-3 Mini B 3 pc-pack (Black, Blue, Green)	56×17×3	1	4 960910 726338		
72624	O-4 White with Air Temperature	245×35×7	36	4 960910 726246		
72636	O-4 Yellow with Air Temperature	245×35×7	36	4 960910 726369		
72639	O-4 Blue with Air Temperature	245×35×7	36	4 960910 726390		

Features

- Use by sticking into the ground or the soil in a pot for temperature control of germination, raising seedlings, and potting
- Growth of plants have a strong relation to ground temperature. This thermometer helps effective cultivation.
- O-3 models are colorful, small three-piece sets
- O-4 models can measure air and ground temperature at the same time

Use

- For temperature control of soil in gardening and vegetable cultivation, etc.

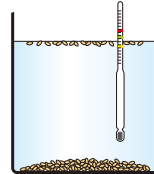
Specifications

Item Code	72622	72627	72630
Accuracy	±1°C		
Measuring Range	-10 - 50°C		
Each Graduation	1°C		
Material	Body: Polystyrene resin Tube: Glass Temperature Sensitive Liquid: Colored refined white kerosene		

Item Code	72623	72633
Accuracy	±2°C	
Measuring Range	10 - 50°C	
Each Graduation	2°C	
Material	Body: Yupo paper Tube: Glass Temperature Sensitive Liquid: Colored refined white kerosene	

Item Code	72624	72636	72639
Accuracy	±1°C		
Measuring Range	Ground Temperature: -10 - 50°C Air Temperature: -20 - 50°C		
Each Graduation	1°C		
Material	Body: Polystyrene resin Tube: Glass Temperature Sensitive Liquid: Colored refined white kerosene		

Salt Hydrometer



Floating seeds: The ones that pull out only small buds
 Sunken seeds: The good ones which pull out nice buds

*Not for commercial use

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
72718	Salt Hydrometer	φ11×205	11	4 960910 727182	5	SP

Features

- Measures the concentration of salt water to separate seeds or unshelled rice
- Color coded to find the ideal gravity for each species of seed

Use

- For separating seeds or unshelled rice

Specifications

Accuracy	±1 Heavy Baume degree
Measuring Range	0 - 35 Heavy Baume degree
Each Graduation	1 Heavy Baume degree
Material	Body: Glass Weight: Lead

Soil pH Meter



- *This unit cannot measure liquid acidity.
- *When measuring, please make sure soil has sufficient moisture as if a mud ball was to be made
- *Cannot accurately measure in confined environments such as a small bowl.
- *Cannot measure alkalinity.

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
72724	A	160×47×47	100	4 960910 727243	6	SP

Features

- Easy operation without battery - simply stick into the soil for a minute to measure
- Cone-shaped end gives the sensor firm contact with the soil and a large measurement area for high accuracy
- Meter stays horizontal for optimum functioning when inserted vertically into soil



Use

- For measuring soil acidity

Specifications

Accuracy	±pH 0.5
Measuring Range	pH 4 - 7
Each Graduation	pH 0.2
Material	Body: ABS resin Meter cover: Acrylic resin Electrode: Zinc

Digital Soil pH Meter NEW

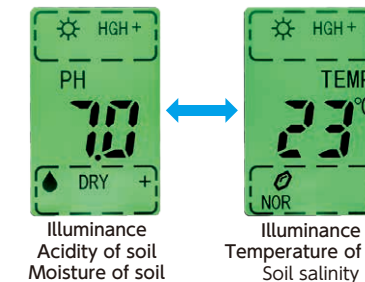


*This unit cannot measure liquid acidity.
 *When measuring, please make sure soil has sufficient moisture as if a mud ball was to be made
 *Cannot accurately measure in confined environments such as a small bowl.
 *Cannot measure alkalinity.

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
72730	A-2	293×60×37	132	4 960910 727304	2	

Features

- Non-slip elastomer resin construction, shaped for easy insertion into soil
- Easy-to-read LCD screen with large numbers and a wide viewing angle
- Mode switch on the front panel makes it easy to change between soil acidity and temperature



- With backlight
- Auto power off function

Use

- For measurement of soil acidity, ground temperature, soil moisture, illuminance in cultivation environment

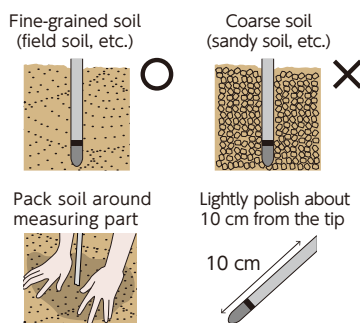
Specifications

Measuring Target	Acidity of soil, temperature of soil, Soil salinity, moisture of soil, illuminance
Acidity of Soil (12 levels)	pH 3.5 - 9.0 (minimum pH 0.5*, accuracy ±pH 0.5)
Temperature of Soil	5 - 40°C (minimum 1°C, accuracy ±1°C)
Soil salinity (2 levels)	DANGER, NOR
Moisture of Soil (5 levels)	DRY+, DRY, NOR, WET, WET+
Luminous (9 levels)	LOW-, LOW, LOW+, NOR-, NOR, NOR+, HGH-, HGH, HGH+
Power Source	3x AAA Alkaline batteries (Battery included is for trial use only and may not last as long)
Auto Power Off (approx.)	5 minutes after stopped operation
Auto Backlight Off (approx.)	1 minutes after stopped operation
Operating Temperature	Temperature: 0 - 40°C Humidity: 5-95% (no bedewing)
Probe Size	φ6 × 180 mm
Material	Body: ABS resin, Elastomer resin

*Displayed values are rounded up from 0.25 and rounded down from 0.24.

Before Using

- This product is designed to measure the soil environment and cannot measure liquids or non-soil materials
- Coarse-grained soil (humus, peat moss, sand, etc.) cannot be measured accurately
- Gently pack soil around the measuring part so that the soil closely adheres to it
- The measuring part is made of metal and may oxidize. Oxidization will prevent the display of accurate values, so polish the measuring part with fine sandpaper (#400-1000) before using.
- The LCD screen should be viewed directly in front



Digital Soil EC Meter



Carry case

72976

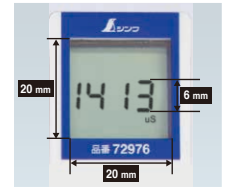
When measuring soil conductivity, measure the top clear layer of the solution mixed with a ratio of 1 part soil to 5 parts water.

*Calibration with a standard solution (sold separately) is required before use.
*If the value after calibration is not stable, replace the electrode part.

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
72976	Digital Soil EC Meter II	φ40×185	98	4 960910 729766	1	B

Features

- Easy-to-read liquid crystal display with large lettering
- Ideal for detailed measurement with a resolution of 1 μS/cm



- Easy operation with just one push of the button
- Liquid temperature measurement function
- Auto power off function
- Compact, pocket-sized
- Hold function (only for soil EC Measurement Mode)
- Automatic Temperature Compensation (ATC) function
- IPX5* rating means it can be used safely even if it gets wet

*Waterproof: Protected from low pressure water jets from any direction.

EC means Electric Conductivity.
If the EC value of soil is too high (above 1,500 μS/cm), crops cannot absorb nutrition effectively and it affects how they grow.

ATC is an abbreviation for Automatic Temperature Compensation, which is a function that compensates for temperature changes in the liquid being measured by changing the measurement value. This allows precise measurement even without conversion.

Use

- For soil conditioning in gardening or agricultural works

Specifications

Measuring Range	Soil conductivity : 0 - 1,999 μS/cm Temperature : 0 - 60°C
Accuracy*	Soil conductivity: ±20 μS/cm Temperature: ±1°C
Automatic Temperature Compensation (ATC)	Available
Resolution	1 μS/cm
Waterproof	IPX5
Power Source	3x alkaline batteries LR44 or 3x silver oxide batteries SR44 (Batteries included are for trial use only and may not last as long.)
Auto Power Off	Approx. 5 minutes
Material	Body, Electrode housing: ABS resin Electrode: Glass

*Accuracy is the repeatability of measurements in the standard solution after calibration in the same standard solution.

Replacement Electrode

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
73109	for Digital Soil EC Meter II	φ30×71	19	4 960910 731097	5	SP

Digital pH Meter



Carry case

72788



When measuring soil pH, measure the top clear layer of the solution mixed with a ratio of 1 part soil to 2.5 parts water.

*Not for commercial use
*Calibration with a standard solution (sold separately) is required before use.
*If the value after calibration is not stable, replace the electrode part.

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
72788	Digital pH Meter	φ40×185	110	4 960910 727885	1	B

Features

- Compact size convenient for carrying
- Hold function
- Auto power off function
- IPX5* rating means it can be used safely even if it gets wet

*Protected from low pressure water jets from any direction

Use

- For measurement of pH
- For water quality tests in pools, drinking water tests, and fish farming management
- For pH management of soil in agricultural fields.

Specifications

Measuring Range	pH1.0 - 14.0
Accuracy*	±pH 0.1
Usable Liquid Temperature Range	5 - 35°C
Resolution	pH 0.1
Waterproof	IPX5
Power Source	3x alkaline batteries LR44 or 3x silver oxide batteries SR44 (Batteries included are for trial use only and may not last as long.)
Auto Power Off	Approx. 8 minutes
Material	Body, Electrode housing: ABS resin Electrode: Glass

*Accuracy is the repeatability of measurements in the standard solution after calibration in the same standard solution.

Replacement Electrode

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
73108	for Digital pH Meter	φ30×71	28	4 960910 731080	5	SP

Digital Salinity Meter



*Calibration with a standard solution (sold separately) is required before use.
*If the value after calibration is not stable, replace the electrode part.

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
72799	Digital Salinity Meter	φ40×185	114	4 960910 727991	1	

Replacement Electrode

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
73110	for Digital Salinity Meter	φ30×71	23	4 960910 731103	5	

Features

- Compact size convenient for carrying
- Hold function
- Automatic Temperature Compensation (ATC) function
- Electric conductivity measurement function
- Liquid temperature measurement function
- Auto power off function
- IPX5* rating means it can be used safely even if it gets wet
- *Protected from low pressure water jets from any direction

ATC is an abbreviation for Automatic Temperature Compensation, which is a function that compensates for temperature changes in the liquid being measured by changing the measurement value. This allows precise measurement even without conversion.

Use

- For management of fish farming and drinking water
- Measure salinity of liquids

Specifications

Measuring Range	Salinity: 0 - 8.0‰
	Electric Conductivity: 0 - 200 mS/cm*1
Accuracy	Temperature: 0 - 60°C
	Salinity: ±0.2‰
Resolution	Electric Conductivity: 0 - 1999 μS/cm*1: ±20 μS/cm
	2 - 200 mS/cm: ±2 mS/cm
Automatic Temperature Compensation (ATC)	Temperature: ±1°C
	Available
Waterproof	Salinity: 0.1‰
	Electric Conductivity: 1 μS/cm
Power Source	Temperature: 0.1°C
	2x AAA alkaline batteries
Auto Power Off	(Batteries included are for trial use only and may not last as long)
	Approx. 8 minutes
Material	Body, Electrode housing: ABS resin
	Electrode: Glass

*1 Will automatically switch to mS/cm if measurement value exceeds 1999 μS/cm
*2 Accuracy is the repeatability of measurements in the standard solution after calibration in the same standard solution.

Solutions



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
73033	Calibration Buffer Solution pH 4.01, pH 7.01 3 Each	148×70×5	23×6	4 960910 730335	5	
73034	Calibration Buffer Solution pH 10.01, pH 7.01 3 Each	148×70×5	23×6	4 960910 730342		
73035	Conductivity Solution 1413 μS/cm 6 Sachets	148×70×5	23×6	4 960910 730359		

Features

- Disposable type with just the right amount for one-time calibration
- Preparing a beaker is unnecessary since the sensor can be dipped into the pouch as is

Use

- For calibration of pH Meter and EC Measurement
- For calibrating digital salinity meter's electric conductivity (EC) measurement mode

Specifications

Item Code	73033	73034	73035
Accuracy*	±pH 0.01	—	—
Volume	1 sachet 20 ml		
Compatible Products	72788	72976/72799	

*Accuracy at 25°C

Lux Meter



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
78604	Lux Meter	100×64×24	70	4 960910 786042	5	

Features

- Instantly measure the luminance of a room
- Luminometer with solar battery

Use

- For luminance control in a room, etc.

Example of proper luminance (lux)

Gathering/Dinner	300 - 500
Reading/Study	550 - 1,000
PC/Detail Work	1,000 - 1,500

Specifications

Measuring Range	0 - 15,000 lux
Service Life	Five years
Power Source	Solar panel
Material	Body: ABS resin

Carpenter's Squares
Stainless Steel Rules / Machine Scale
Aluminum Rules
Resin Rules / Bamboo Rules
Squares / Protectors
Vernier Calipers / Micrometers
Tape Measures
Surveying Products
Scales
Levels
Lasers / Optical Equipment
Inlines / Chalklines / Plumblines
Circular Saw Guides
Construction Tools
Industrial Tools
Thermometers / Hygrometers / Environmental Measuring Instruments
Outdoor Products
Magnifying Glasses
Drawing Tools
Magnets

Digital Lux Meter

Indoor use



Features

- Separate light sensor allows sensor to be pointed towards light source while reading LCD display for better accuracy



- Measuring range switch enables switching between three different measurement ranges
- Peak hold function that locks screen at the maximum measured value
- Easy-to-read, large letter LCD screen (17 mm)

Use

- For luminance control at office, factory, or inside greenhouse

Specifications

Measuring Range	0 - 40,000 lux
Display Mode Range	Range 0 - 400 lux Range 0 - 4,000 lux Range 10 - 40,000 lux
Resolution	Range 0 - 400 lux: 0.1 lux Range 0 - 4,000 lux: 1 lux Range 10 - 40,000 lux: 10 lux
Accuracy	0 - 10,000 lux: ±(4%+10dgt) 10,001 - 40,000 lux: ±(5%+10dgt) <small>dgt: Minimum digit of digital display</small>
Repeatability	±2%
Measurement Cycle	Twice/second
Light Receiver	Photodiode sensor
Operation Requirement	Temperature: 0 - 40°C Humidity: Below 70%
Storage Requirement	Temperature: -10 - 50°C Humidity: Below 80%
Power Source	1x 9V battery (included) <small>(Battery included is for trial use only and may not last as long)</small>
Material	Body: ABS resin Cover: Rubber

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
78747	Digital Lux Meter	Display Part: 130x72x30 Receiver Part: 106x57x26	210	4 960910 787476	1	B

*Indoor use
*Not for commercial use

Digital UV Light Meter



Features

- Ideal for control and confirmation of ultraviolet light intensity
- Separate light sensor allows sensor to be pointed towards light source while reading LCD screen for better accuracy



- Measuring range switch enables switching between three different measurement ranges
- Peak hold function that locks screen at the maximum measured value
- Easy-to-read, large letter LCD screen (17 mm)

Use

- For industrial use facility management
- For control of UV lamps such as UV dryers
- Simple confirmation for products that cut UV light

Specifications

Measuring Range	0 - 20.00 mW/cm²
Display Mode Range	Range 0 - 400.0 μW/cm² Range 0 - 4,000 μW/cm² Range 0 - 20.00 mW/cm²
Resolution	Range 0 - 400.0 μW/cm²: 0.1 μW/cm² Range 0 - 4,000 μW/cm²: 1 μW/cm² Range 0 - 20.00 mW/cm²: 0.01 mW/cm²
Accuracy	Range 0 - 400.0 μW/cm²: ±16.2 μW/cm² Range 0 - 4,000 μW/cm²: ±162 μW/cm² Range 0 - 20.00 mW/cm²: ±1.62 mW/cm²
Measurement Wavelength	290 - 390 nm (Supports UVA-UVB)
Use Environment	Temperature: 0 - 40°C Humidity: Below 70%
Power Source	1x 9V battery (included) <small>(Battery included is for trial use only and may not last as long)</small>
Material	Body: ABS resin Cover: Rubber

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
78642	Digital UV Light Meter	Display Part: 130x72x30 Receiver Part: 164x50x32	219	4 960910 786424	1	B

*Not for commercial use

Digital Noise Meter



78588

Carry case

*Not for commercial use

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
78588	with Maximum Value Holding Function	185×63×35	150		1	B

Features

- Able to keep displaying maximum value during measurement
- 3 measuring ranges
- Portable, compact size
- Easy operation without need for detailed setting

Use

- For checking noise level at construction sites or factories

Specifications

Measuring Range	30 - 130 dB
Resolution	0.1 dB
Accuracy	±1.5 dB (at 94 dB and 1 KHz)
Frequency Range	31.5 Hz - 8 KHz
Frequency Weighting	A/C switchable
Display Mode Range	30 - 70 dB 60 - 100 dB 90 - 130 dB
Response Speed	FAST (125 ms) SLOW (1 s)
Operation Requirements	Temperature: 0 - 40°C Humidity: 10 - 90%
Power Source	1x 9V battery (included) (Battery included is for trial use only and may not last as long)
Material	Body: ABS resin
Tripod mounting screw	1/4 inch

Metallic Hourglass



70304

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
70304	for 3-minute	93×35×24	141		5	SP

Features

- Sleek design
- Durable metal frame makes it usable professionally in restaurant or kitchen

Use

- For a variety of time management tasks
- As an interior decoration or accessory
- *Not for use in a sauna

Specifications

Accuracy	Within ±20 seconds
Material	Body: Zinc alloy die cast, glass Sand: Glass

Hourglass



70550

70551

70552

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
70550	for 1-minute	φ45×88	33		5	SP
70551	for 3-minute	φ50×100	43			
70552	for 5-minute	φ55×112	53			

Features

- Various sizes to choose from - one minute, three minutes, and five minutes
- Nice to have as an interior decoration as well

Use

- For a variety of time management such as brushing teeth, cup noodle, calling time, or training, etc.
- *Not for use in a sauna

Specifications

Item Code	70550	70551	70552
Accuracy	Within ±10 secs	Within ±30 secs	Within ±50 secs
Material	Body: Wood, glass Sand: Glass		

Carpenter's Squares
Stainless Steel Rules / Machine Scale
Aluminum Rules
Resin Rules / Bamboo Rules
Squares / Protractors
Vernier Calipers / Micrometers
Tape Measures
Surveying Products
Scales
Levels
Lasers / Optical Equipment
Inclines / Chalklines / Plumblines
Circular Saw
Construction Tools
Industrial Tools
Thermometers / Hygrometers / Environmental Measuring Instruments
Outdoor Products
Magnifying Glasses
Drawing Tools
Magnets

17. Outdoor Products



Scan here to see videos of various products



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

Dry Compass



Item Code	Description		Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
75602	A-3 Japanese		φ45×13	18	4 960910 756021	10	
75603	B-2 Roman Alphabet		φ45×13	22	4 960910 756038	10	
75672	K-2 Japanese		φ44×11	12	4 960910 756724	10	

Features

- Most commonly used dry compass

Use

- For checking directions of East, West, South, and North

Specifications

	75602	75603	75672
Material	Body: Aluminum	Body: Stainless steel, brass	Body: Aluminum
	Display Surface: Glass		

Oil-filled Compass



Item Code	Description		Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
75590	C Roman Alphabet		φ45×16	39	4 960910 755901	10	
75592	C-2 Japanese		φ45×15	23	4 960910 755925	10	

Features

- Oil compass moves the needle slowly and enables a better reading

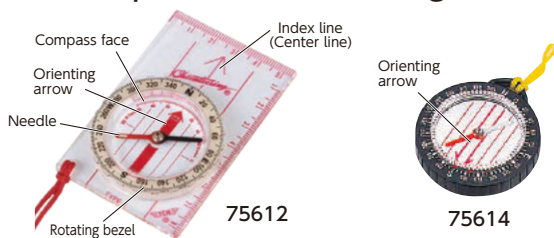
Use

- For checking directions of East, West, South, and North
- As a compass for orientateering (75590)

Specifications

Item Code	75590	75592
Material	Body: Brass Display Surface: Acetate resin Oil: Refined oil	Body: ABS resin Display Surface: Acrylic resin Oil: Refined oil

Oil-filled Compass for Orienteering



Item Code	Description		Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
75612	E		φ50 (84×54) ×10	27	4 960910 756120	10	
75614	E-2 Round		φ48×12	16	4 960910 756144	10	

Features

- With neck strap
- Phosphorescent needle and bezel for use in the dark (75612)



Use

- As a compass for orienteering
- For checking directions of East, West, South, and North
- For mountain climbing, camping, and hiking

Specifications

Item Code	75612	75614
Material	Body: Acrylic resin Display Surface: Acetate resin Oil: Refined oil	

New catalog items English package With red numbers Japanese zodiac signs cm/shaku (Upper side (or Front) metric / Lower side (or Back) shaku) shaku/cm (Upper side (or Front) shaku / Lower side (or Back) metric) With magnet
 Optional JCSC certificate With non-slip pad With battery Lithium-ion battery Vial with luminous sheet With groove for slider With stopper With direction arrow Oil

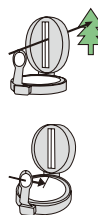
Oil-filled Compass



75620

How to use

- Hold the compass horizontally and point the lid to a target. Capture the target through the sight of lid's line and the lens holder.
- Look at the dial and read off the scale. That scale is the direction of the target.



Features

- Four directions of the compass are luminous to show direction even in the dark

Use

- For checking directions of East, West, South, and North
- As a military compass

Specifications

Display	Outer Side: Mil Inner: Degree
Material	Body: ABS resin Display surface: Glass Oil: Refined oil

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
75620	F	φ56×27	66	4 960910 756205	10	

Oil-filled Wood Compass Japanese



75662

Features

- Made of high-quality natural material - "KEYAKI" Japanese zelkova
- Floats on water with 10 atm water resistance
- With 1 m neck strap

Use

- For checking directions of East, West, South, and North

Specifications

Material	Body: Wood (Japanese zelkova) Display Surface: Acetate resin Oil: Refined oil
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Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
75662	J	57×50×13	20	4 960910 756625	10	

Compass Chinese Zodiac



75604

Features

- Ideal for finding directions in building sites as you can see map or drawing through the compass

Use

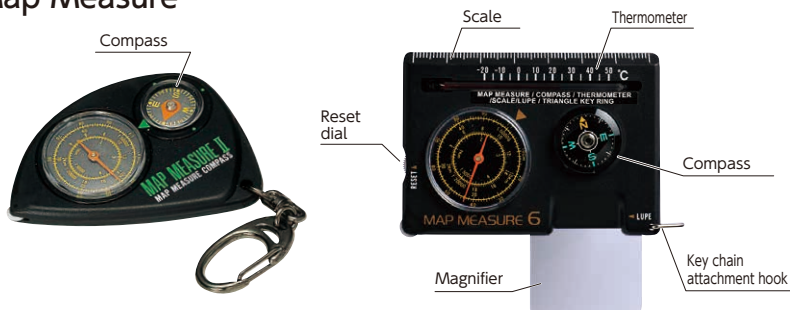
- For checking directions of East, West, South, and North
- For checking directions for Feng Shui

Specifications

Material	Body: Brass Display Surface: Glass
----------	---------------------------------------

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
75604	D	55×55×13	35	4 960910 756045	10	

Map Measure



71310

71320

Features

- C Keyring Model
- Compass to check direction
- Keyring for portability
- D Multi-function Model
- Six different functions such as thermometer, magnifier, etc.

Use

- For measuring distance on a map

Specifications

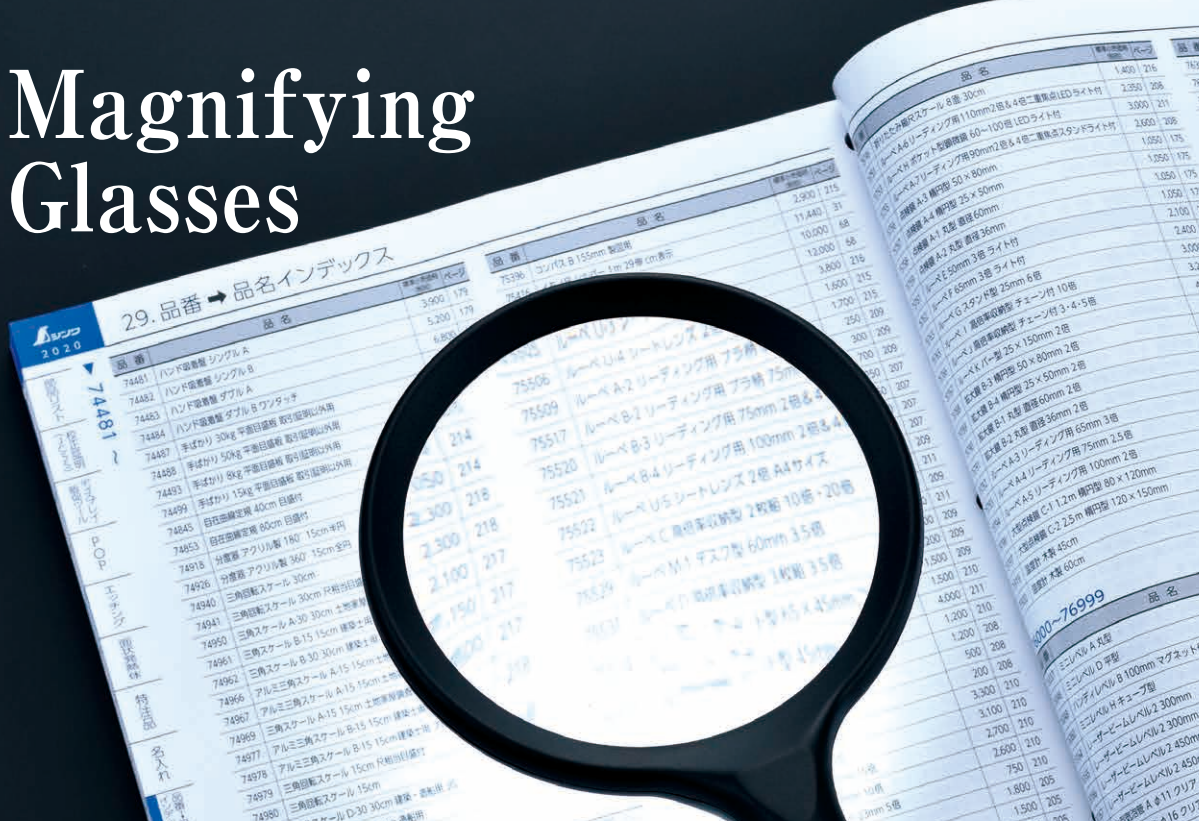
Item Code	71310	71320
Reduction Scale	Outer(1 division): Outside circle 1:1 (1 cm) Inside circle 1:50,000 (1 km)	Inner(1 division): Outside circle 1:20,000 (200 m) Inside circle 1:5,000 (100 m)
Specification	Direction compass	Direction compass Thermometer: -20 - 50°C Scale: 0 - 70 mm Magnifier: Magnification 3X
Material	Body: ABS resin, Acrylic resin Truckle: Polyacetal resin Pointer: Aluminum Key chain: Brass, Nickel plating	Body: ABS resin, Acrylic resin Truckle: Polyacetal resin Pointer: Aluminum Compass: Aluminum, Refined oil Thermometer: Glass, White kerosene Magnifier: Rigid PVC

How to use

Use 1:1 scale and multiply the reduction scale of the map to find the actual distance
 (Example) In a case that Map Measure indicates 25 cm on a map with 1:17,500 reduction scale, 17,500 X 25=437,500 cm (approx. 4.4 km).

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
71310	C Keyring Model	76×52×11	26	4 960910 713109	1	
71320	D Multi-function Model	76×54×12	25	4 960910 713208	10	

18. Magnifying Glasses



Scan here to see videos of various products



- Packaging **S** Shrink package **B** Box **V** Vinyl package + header card **C** Card **□** No package
⊙ Sleeve package **⊔** Bag **□** Clear package **V** Vinyl package

Reading Glass



●Magnification

- Glass lens: 2.5x Magnification
- Resin lens: 2x and 4x Magnification
- Bifocal magnification

●Focal Length = $\frac{\text{Visibility Distance (250 mm)}}{\text{Magnification} - 1}$

●Magnification = $\frac{\text{Visibility Distance (250 mm)}}{\text{Focal Length}} + 1$

●Accuracy Error of Magnification ±20%

(Not applicable for aspherical lens and power magnifier with 2 or more lenses)

Features

- Easy-to-hold
- High-quality glass is scratch resistant (Except 75520 and 75521)
- B-3, B-4 models have a lightweight bifocal lens that gives two or four times magnification (75520/75521)

Use

- For reading small letters on a newspaper or dictionary

Specifications

Item Code	75509	75517
Lens Size (mm)	φ65	φ75
Magnification	2.5x	2x
Material	Body (frame): Brass Body (handle): Vinyl chloride resin Lens: Glass	

Item Code	75792	75793	75794	75520	75521
Lens Size (mm)	φ65	φ75	φ100	φ75	φ100
Magnification	3x	2.5x	2x	2x and 4x	
Material	Body (frame, handle): ABS resin Lens: Glass			Body (frame, handle): ABS resin Lens: Acrylic resin	

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
75509	A-2 65 mm 2.5x	155×65×12	70	4 960910 755093	5	SP
75792	A-3 65 mm 3x	182×74×17	83	4 960910 757929		
75793	A-4 75 mm 2.5x	192×83×17	96	4 960910 757936		
75794	A-5 100 mm 2x	228×107×17	178	4 960910 757943		
75517	B-2 75 mm 2x	185×75×13	104	4 960910 755178		
75520	B-3 75 mm 2x and 4x Double Focus	185×85×18	56	4 960910 755208		
75521	B-4 100 mm 2x and 4x Double Focus	235×115×22	128	4 960910 755215		

Reading Glass with LED Light

2x and 4x



75751

2x and 4x



75755

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
75751	A-6 110 mm 2x and 4x	240×117×24	118	4 960910 757516	5	
75755	A-7 90 mm 2x and 4x	220×97×21	163	4 960910 757554		

Features

- Comes with bright LED light
- Easy-to-grip handle (75751)
- Comes with a hands-free stand (75755)



Use

- For reading small letters on a newspaper or dictionary

Specifications

Item Code	75751	75755
Lens Size (mm)	φ110	φ90
Magnification	2x and 4x	
Material	Body: ABS resin	Lens: Acrylic resin
Power	2x AAA Alkaline batteries (included)	2x AA Alkaline batteries (included)

(Batteries included are for trial use only and may not last as long.)

Magnifier with Light for Reading

3x



75761

3x



75762

10x



75708

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
75761	E 50 mm 3x	151×55×31	101	4 960910 757615	5	
75762	F 65 mm 3x	175×68×31	109	4 960910 757622		
75708	E-3 28 mm 10x	180×53×48	95	4 960910 757080		

Features

- Light for easy reading even in the dark



Use

- For reading small letters on a newspaper or dictionary (75761/75762)
- For looking at stamps, jewelry, or inside clocks, etc. (75708)
- E-3
 - How to use:
 - Put it directly on an object and look through by putting your eye close to the lens
 - Scale on the bottom for measurement

Specifications

Item Code	75761	75762	75708
Lens Size (mm)	φ50	φ65	φ28
Magnification	3x		10x
Material	Body: ABS resin Lens: Glass		Body: ABS resin Inner Lens: Acrylic resin Outer Lens: Glass
Power	2x AA batteries (included) <small>(Batteries included are for trial use only and may not last as long.)</small>		2x C batteries (not included)
Light Bulb	2.2V/0.25A		LED

Compact Reading Glass

3x



75557

3.5x



75556

2x



75555

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
75557	S-3 30 mm 3x	36×77×5	3	4 960910 755574	10	
75556	S-2 45 mm 3.5x	55×115×8	27	4 960910 755567		
75555	S-1 60 mm 2x	70×155×15	35	4 960910 755550		

Features

- Pocket-sized for easy carry

Use

- For reading small letters on a newspaper or dictionary

Specifications

Item Code	75557	75556	75555
Lens Size (mm)	φ30	φ45	φ60
Magnification	3x	3.5x	2x
Material	Body, Lens: Acrylic resin	Body: Polyethylene resin Lens: Glass	Body: Polypropylene resin Lens: Acrylic resin

Carpenter's Squares
Stainless Steel Rules / Machine Scale
Aluminum Rules
Resin Rules / Bamboo Rules
Squares / Protractors
Vernier Calipers / Micrometers
Tape Measures
Surveying Products
Scales
Levels
Lasers / Optical Equipment
Inclines / Chalklines / Plumblines
Circular Saw Guides
Construction Tools
Industrial Instruments
Thermometers / Hygrometers / Scientific Measuring Instruments
Outdoor Products
Magnifying Glasses
Drawing Tools
Magnets

Desk Magnifier



Features

- Convenient for reading data numbers with the guide line. Comes with a convenient portable case. (75767)
- Combined unit of 8x telescopes and 30x microscopes (75727)
- Can also be used as a paper weight (75529)



Use

- For reading small letters on a newspaper or dictionary (75767/75529)
- For viewing scenery with a telescope, examining minerals or small specimens with a microscope, or for inspection of printed items (75727)

Specifications

Item Code	75767	75727	75529
Lens Size (mm)	25 × 150	φ11	φ60
Magnification	2x	8x and 30x	3.5x
Material	Body: Acrylic resin	Body: ABS resin, acrylic resin Lens: Acrylic resin	Body: ABS resin, acrylic resin Lens: Glass

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
75767	K 25 x 150 mm 2x	172x25x12	44	4 960910 757677	5	
75727	L-3 8x and 30x	φ17x120	16	4 960910 757271	5	SP
75529	M-1 60 mm 3.5x	78x78x55	118	4 960910 755291	5	

Pocket Magnifier



Features

- Convenient pocket size for carrying
- Case protecting lens
- N-3 has a bifocal lens (75536)

Use

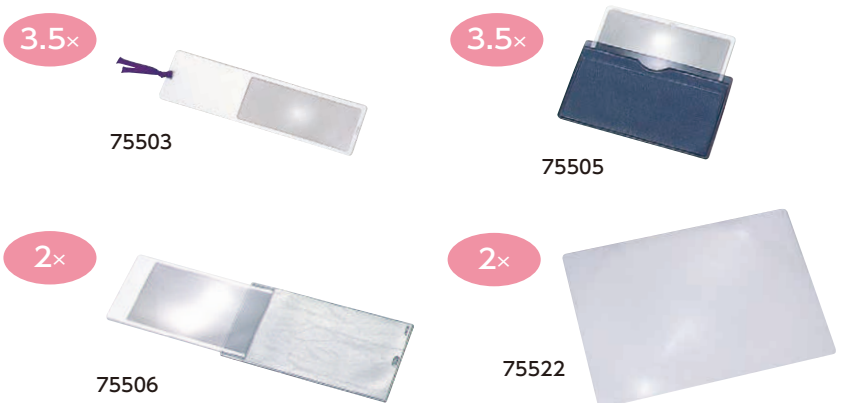
- For reading small letters on a newspaper or dictionary

Specifications

Item Code	75535	75536	75546
Lens Size (mm)	φ45	φ65	60×48
Magnification	3.5x	2x and 4x	2.5x
Material	Case: Synthetic leather Lens: Glass	Case: Synthetic leather Lens: Acrylic resin	Case: Synthetic leather Lens: Glass

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
75535	N-2 45 mm 3.5x	59x59x15	33	4 960910 755352	5	
75536	N-3 65 mm 2x and 4x Double Focus	86x70x15	33	4 960910 755369	5	SP
75546	N-4 60 × 48 mm 2.5x NEW	65x50x15	51	4 960910 755468	5	

Sheet Magnifier



Features

- Uses a Fresnel lens

Cross section

Fresnel lens allows thinness even with a large surface area

- Comes with a convenient, portable plastic case (75505/75506)

Use

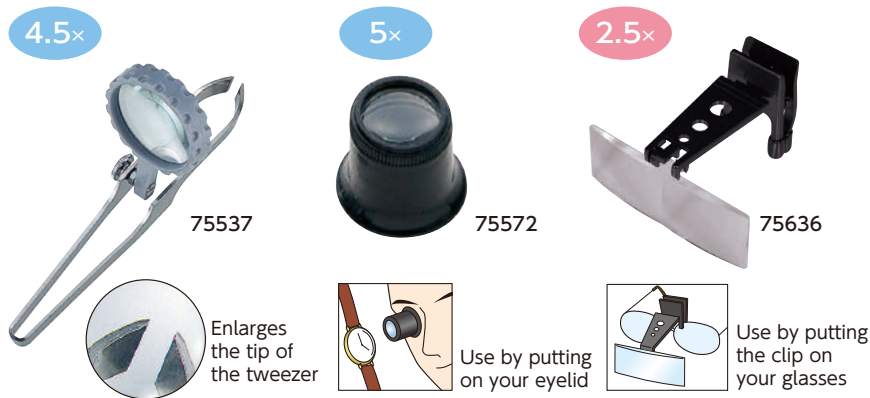
- For reading a book, map, or chart, etc.

Specifications

Item Code	75503	75505	75506	75522
Magnification	3.5x	3.5x	2x	2x
Material	Body: Vinyl chloride resin			

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
75503	U-2 3.5x Bookmark Size	140x38	3	4 960910 755031	10	
75505	U-3 3.5x Card Size	85x55	3	4 960910 755055	10	B
75506	U-4 2x Pocket Notebook Size	150x78	7	4 960910 755062	10	
75522	U-5 2x A4 Size	280x215	40	4 960910 755222	10	

Precision Work Magnifier



Features

- Helps to increase productivity when performing detailed work

Use

- For detailed work such as pulling a thorn out, maintaining bonsai, etc. (75537)
- For repair or inspection of precision parts (75572)
- For assembling work in personal hobby use (75636)

Specifications

Item Code	75537	75572	75636
Lens Size (mm)	φ30	φ23	28 × 74
Magnification	4.5x	5x	2.5x
Material	Body: Stainless steel, polyethylene resin Lens: Glass	Body: Polystyrene resin Lens: Glass	Body: ABS resin Lens: Acrylic resin

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
75537	O-1 with Tweezer 30 mm 4.5x	110×36×13	27	4 960910 755376		
75572	T-3 Watchmaker's Loupe 23 mm 5x	φ36×32	7	4 960910 755727	5	
75636	X Attachment to Glasses 2.5x	65×74×26	18	4 960910 756366		

High Magnification Model



Features

- High magnification
- Compact size convenient for carrying

Use

- For inspection of jewelry and printing (75543/75564/75565)
- 75570 and 75571 have divisions of 0.1 mm and 0.2 mm respectively for detailed measurement
- As a key chain (75543)

Specifications

Item Code	75543	75564	75565
Lens Size (mm)	φ10	φ18	φ28
Magnification		15x	10x
Material	Body: Brass Hood, Lens: Acrylic resin	Body: Aluminum, vinyl chloride resin Lens: Glass	

Item Code	75570	75571
Lens Size (mm)	φ20	φ28
Magnification	15x	10x
Material	Body: ABS resin, acrylic resin Lens: Glass	

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
75543	Q 10 mm 15x	φ15×35	10	4 960910 755437	10	
75564	R-1 18 mm 15x	27×85×20	28	4 960910 755642	5	
75565	R-2 28 mm 10x	33×102×20	36	4 960910 755659	1	
75570	T-1 20 mm 15x with Scale	φ34×26	14	4 960910 755703		
75571	T-2 28 mm 10x with Scale	φ34×41	19	4 960910 755710	5	

Carpenter's Squares
Stainless Steel Rules / Machine Scale
Aluminum Rules
Resin Rules / Bamboo Rules
Squares / Protractors
Vernier Calipers / Micrometers
Tape Measures
Surveying Products
Scales
Levels
Lasers / Optical Equipment
Inclines / Chalklines / Plumblines
Circular Saw Guides
Construction Tools
Industrial Tools
Thermometers / Hygrometers / Instruments
Outdoor Products
Magnifying Glasses
Drawing Tools
Magnets

Stowed High Magnification Model



Features

- Small, portable, fold-away style with high magnification
- Can increase its magnification by using multiple lenses
75531...7x with two lenses, 10.5x with three lenses
75766...7x with 3x + 4x, 8x with 3x + 5x, 9x with 4x + 5x, 12x with three lenses

Use

- For high-magnification work such as jewelry inspection, or observation, drafting, etc.

Specifications

Item Code	75523	75531	75765	75766
Lens Size (mm)	φ7	φ13	φ23	φ19
Magnification	20x	10x	3.5x	10x
Material	Body: Brass Lens: Glass	Body: ABS resin Lens: Glass	Body: Iron, zinc Lens: Glass	Body: Iron, aluminum Lens: Glass

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
75523	C Double Lens 10x/20x	58×23×16	30	4 960910 755239	5	SP
75531	D Triplet Lens 3.5x	59×28×15	16	4 960910 755314		
75765	I 10x with Chain	44×27×16	46	4 960910 757653		
75766	J 3x/4x/5x with Chain	44×27×16	47	4 960910 757660		

Pocket Microscope



Features

- Pocket-sized microscope with LED light
*Image appears upside down.
- Easily change between 60- and 100-power by adjusting the dial



Use

- For observation outdoors or inspection of printing, etc.

Specifications

Magnification	60 - 100x (tolerance 20%)
Light	White LED
Luminous Intensity	12,900 mcd
Material	Body: ABS resin Lens: Acrylic resin
Power Source	3x Alkaline batteries LR1130 (included) (Batteries included are for trial use only and may not last as long)

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
75753	H 60x - 100x with LED Light	83×33×20	31	4 960910 757530	5	SP

Stand Magnifier



Features

- Stand model frees up both hands

Use

- For measuring small objects with 25 mm graduation (75763)
- For working on a desk with the adjustable angle lens (75539)

Specifications

Item Code	75763	75539
Lens Size (mm)	φ25	φ65
Magnification	6x	3x
Material	Body: Aluminum Lens: Glass	Body: Brass Base: Cast metal Lens: Glass

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
75763	G 25 mm 6x	51×38×50	43	4 960910 757639	5	SP
75539	P-1 65 mm 3x	166×54×60	384	4 960910 755390	2	

Binocular



Switch magnification levels by exchanging with a lens stored inside of the unit

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
75646	W-2 2.5x	220×200×40	95	4 960910 756465	1	
75650	Replacement Lens 1.5x for W-2	75×28×3.5	8	4 960910 756502	1	
75651	Replacement Lens 2.5x for W-2	75×28×4.5	10	4 960910 756519	1	
75652	Replacement Lens 3.0x for W-2	75×28×8	16	4 960910 756526	1	
75656	W-3 1.5x - 3.0x with Light	230×190×60	100	4 960910 756564	1	
75735	W-4 2.2x/3.3x	230×195×65	129	4 960910 757356	1	
75737	W-5 1.2x - 3.5x with LED Light	240×195×55	127	4 960910 757370	1	

Features

- Both hands are freed by setting it on your head
- Usable with glasses on
- W-2
 - Lightweight for comfort
- W-4
 - Magnification level can be switched while being worn
- W-3/W-5
 - Light for better visibility and night work. Additional lenses for a variety of uses included.

Use

- For handicraft, reading, gardening, assembling a model, pulling a thorn out, etc.

1.5x	For reading (a book, dictionary, phone book, map, document, etc.)
2.5x	For assembling (precision parts, handicrafts, tackles for fishing, etc.)
3.0x	For inspecting (processing of precision parts, plate-making precious metals, etc.)

Specifications

Item Code	75646	75656
Lens Size (mm)	28 × 75	
Magnification	2.5x	1.5x/2.5x/3.0x
Material	Body: ABS resin Lens: Acrylic resin	
Power Source	—	2x Lithium batteries CR1220 included (Batteries included are for trial use only and may not last as long)
Item Code	75735	75737
Lens Size (mm)	29 × 88	100 × 49
Magnification	2.2x/3.3x	1.2x/1.8x/2.5x/3.5x
Material	Body: ABS resin Lens: Acrylic resin	
Power Source	—	2x AAA batteries included (Batteries included are for trial use only and may not last as long)

Stand Magnifier



Features

- Large glass to use with both eyes. Fixes to a desk for hands-free use.
- Lens turns 360° to adjust at any angle
- Protective sticker so that it will not scratch even when clamp is securely fastened
- Bifocal so magnification level can be changed without having to switch lenses

Use

- For precision work or inspection

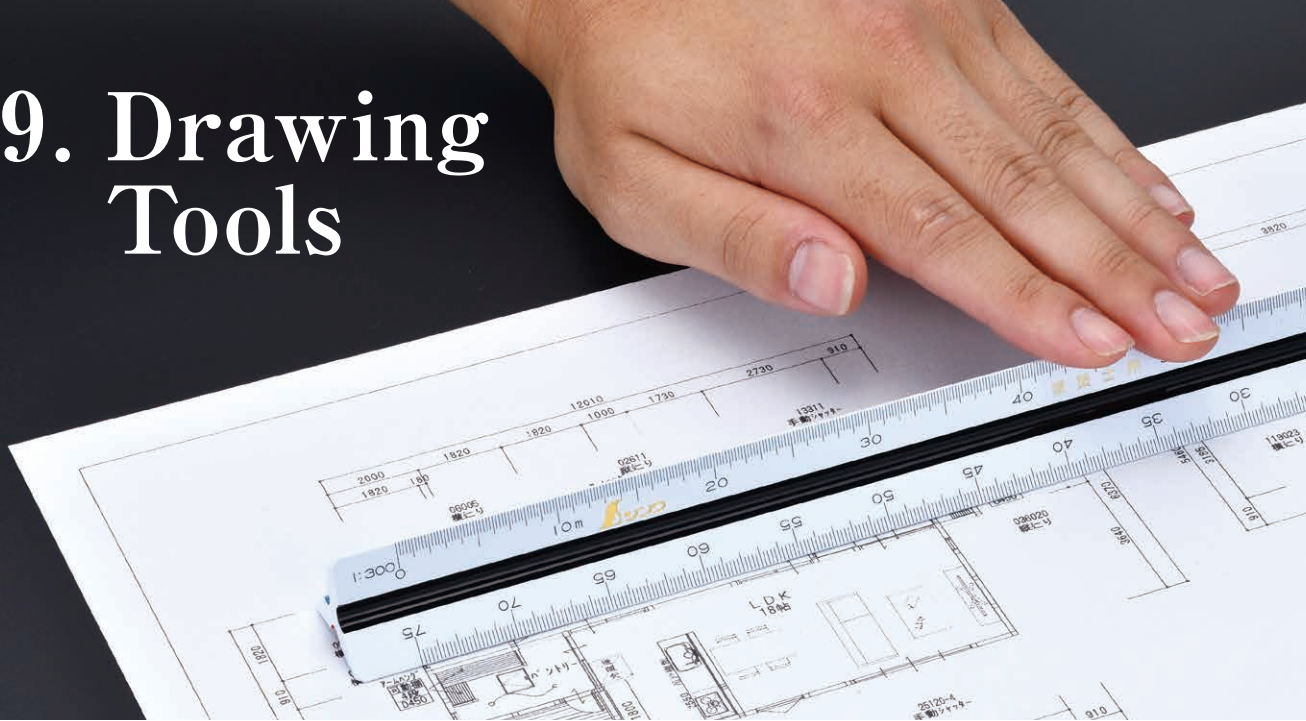
Specifications

Lens Size (mm)	φ123
Magnification	2x (Double Focus 4x)
Material	Lens: Acrylic resin Lens Frame: ABS resin Arm: Iron Clamp: Aluminum, iron

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
75659	Y 123 mm 2x and 4x Double Focus	Overall Length : 940 Arm : 740	725	4 960910 756595	1	

Carpenter's Squares
Stainless Steel Rules / Machine Scale
Aluminum Rules
Resin Rules / Bamboo Rules
Squares / Protractors
Vernier Calipers / Micrometers
Tape Measures
Surveying Products
Scales
Levels
Lasers / Optical Equipment
Inclines / Chalklines / Plumblines
Circular Saw Guides
Construction Tools
Industrial Tools
Thermometers / Hygrometers / Scientific Measuring Instruments
Outdoor Products
Magnifying Glasses
Drawing Tools
Magnets

19. Drawing Tools



Scan here to see videos of various products

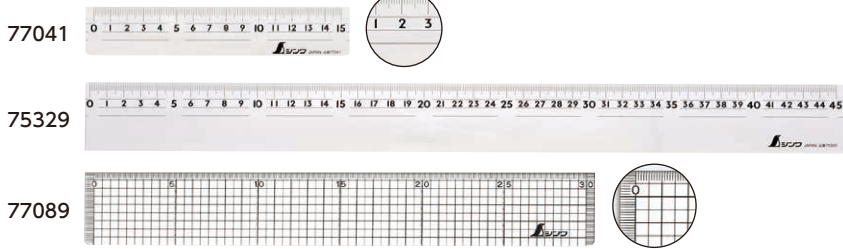


Packaging **S** Shrink package **B** Box **V** Vinyl package + header card **C** Card **□** No package
Ⓢ Sleeve package **Ⓛ** Bag **□** Clear package **V** Vinyl package

*Acrylic resin has high transparency and is easy to clean. However, please do not wipe it off with thinner.

●Elasticity Ratio
 $7 - 8 \times 10^{-5}$ mm elastic per 1 mm in 1°C change

Acrylic Straight Rule



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
77041	15 cm	160×30×2	11	4 960910 770416	10	B
75310	30 cm	309×32×3	33	4 960910 753105	10	V
75329	45 cm	459×43×3	67	4 960910 753297	10	V
77089	30 cm with Grid Scale	311×45×3	48	4 960910 770898	10	V
77097	45 cm with Grid Scale	459×50×3	81	4 960910 770973	10	V

Features

●Improves productivity of layout work and line drawing with grid scale

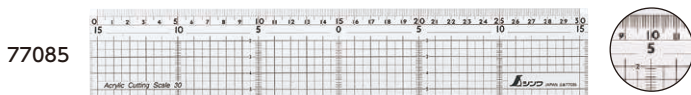
Use

●Ideal for layout work or line drawing with horizontal lines

Specifications

Material Acrylic resin

Acrylic Cutting Rule with Stainless Steel Edge

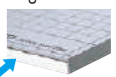


Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
77085	30 cm	310×55×5	110	4 960910 770850	5	V
77086	50 cm	510×60×5	165	4 960910 770867	5	V

Features

●Cutter edge has a tough stainless steel plate to prevent the blade from cutting in and enable smooth cutting
 ●Improves productivity of layout work and line drawing with grid scale

With stainless steel plate



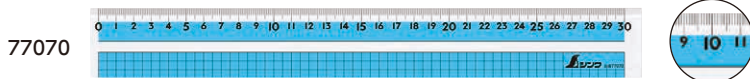
Use

●For line drawing and cutting work

Specifications

Material Body: Acrylic resin Cutter: Stainless steel

Acrylic Rule



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
77070	30 cm	316×40×3	42	4 960910 770706	10	V

Features

●Colored bar makes it easier to read data

Use

●For line drawing and data reading

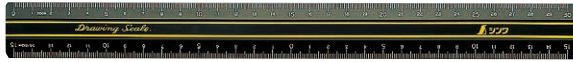
Specifications

Material Acrylic resin

NEW New catalog items **En** English package **Red** With red numbers **12** Japanese zodiac signs **cm/shaku** (Upper side (or Front) metric/ Lower side (or Back) shaku) **shaku/cm** (Upper side (or Front) shaku/ Lower side (or Back) metric) **U** With magnet
CAL Optional JCSC certificate **□** With non-slip pad **■** With battery **Ⓛ** Lithium-ion battery **Ⓢ** Vial with luminous sheet **□** With groove for slider **STOP** With stopper **➔** With direction arrow **Ⓢ** Oil

Black Drawing Scale

77038



Features

- Upper Graduation: Left base point with 0 - 30 cm straight graduation
- Lower Graduation: Center base point with divided graduation of 15 cm to each side

Use

- For drawing lines

Specifications

Material Vinyl chloride resin

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
77038	30 cm	310×30×3	27	4 960910 770386	10	

Acrylic Dot-line Drawing Rule

70726



Features

- Easily draw a dotted line and dot-dash line

Use

- For drawing lines, dotted lines and dot-dash lines

Specifications

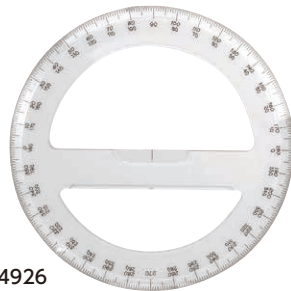
Material Acrylic resin

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
70734	15 cm	200×45×3	23	4 960910 707344	10	
70726	30 cm	321×51×5	67	4 960910 707269	10	

Acrylic Protractor



74918



74926

Features

- Measures angles to semicircle or full circle

Use

- For measuring angle of sketches

Specifications

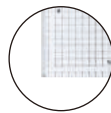
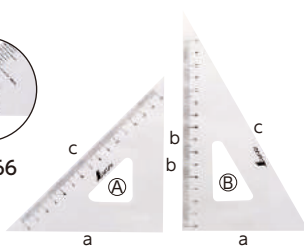
Material Acrylic resin

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
74918	180-degree Semicircle 15 cm	152×98×2	16	4 960910 749184	10	
74926	360-degree Circle 15 cm	φ152×2	25	4 960910 749269	10	

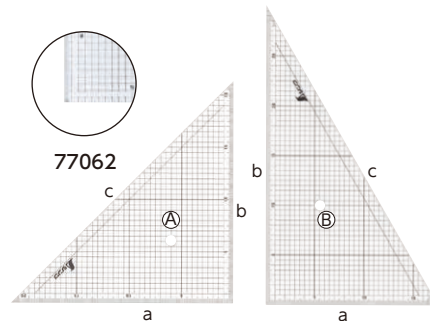
Acrylic Triangle Scale



77066



77062



Features

- Improves productivity of layout work and line drawing with grid scale

Use

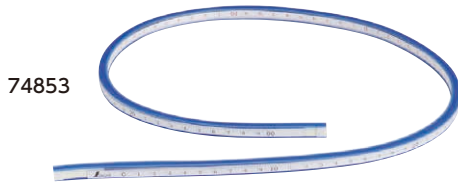
- For drafting and line drawing

Specifications

Item Code	77066	75256	75264	77062
Length of Each Sides	Ⓐ a: 128 mm b: 128 mm c: 180 mm	a: 171 mm b: 171 mm c: 240 mm	a: 213 mm b: 213 mm c: 300 mm	a: 213 mm b: 213 mm c: 300 mm
	Ⓑ a: 104 mm b: 180 mm c: 208 mm	a: 140 mm b: 240 mm c: 277 mm	a: 174 mm b: 300 mm c: 348 mm	a: 174 mm b: 300 mm c: 348 mm
	Material	Acrylic resin		

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
77066	18 cm 2 pc-pack	Ⓐ128×128×2 Ⓑ180×104×2	Ⓐ17 Ⓑ19	4 960910 770669	10	
75256	24 cm 2 pc-pack	Ⓐ171×171×2 Ⓑ240×140×2	Ⓐ31 Ⓑ33	4 960910 752566	10	
75264	30 cm 2 pc-pack	Ⓐ213×213×2 Ⓑ300×174×2	Ⓐ46 Ⓑ54	4 960910 752641	10	
77062	30 cm 2 pc-pack with Grid Scale	Ⓐ213×213×2 Ⓑ300×174×2	Ⓐ53 Ⓑ63	4 960910 770621	10	

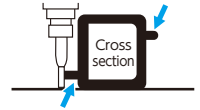
Flexible Rule



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
74845	40 cm with Scale	465×7×10	84	4 960910 748453	5	SP
74853	80 cm with Scale	865×7×10	164	4 960910 748538	5	SP

Features

- Flexible rule that can be bent in any shape
- Convenient to use with a bow pen or pen with ink edge



Use

- For making a mold by matching the shape
- For drafting and making a graph

Specifications

Material	Outside Pipe, Side Cap: Vinyl chloride resin Scale Plate: Iron Middle Plate: Lead
----------	---

Curved Rule



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
77003	6 pc-pack	180×58×1	38	4 960910 770034	10	SP
70947	Middle-size	165×85×2	15	4 960910 709478	10	SP

Features

- Draws various curved lines
- Draw a curve by freehand in advance, then match the appropriate curve of the Curved Rule to finish the curved line

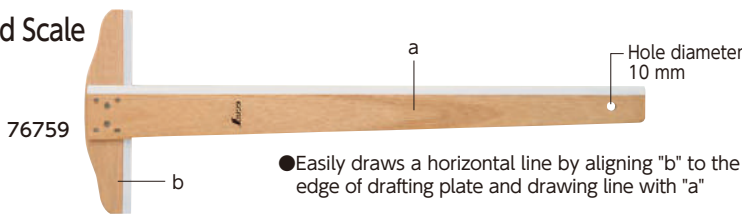
Use

- For drawing and checking curved lines

Specifications

Item Code	77003	70947
Material	Vinyl chloride resin	Acrylic resin

T-shaped Scale



- Easily draws a horizontal line by aligning "b" to the edge of drafting plate and drawing line with "a"

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
76759	Wood 60 cm	a: 655×65(45)×6 b: 240×55×9	184	4 960910 767591	5	V

Features

- Ideal as teaching material

Use

- For drawing a horizontal line on drafting

Specifications

Material	Body: Wood
----------	------------

Drawing Compass



- Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
75388	A 115 mm	120×13×10	47	4 960910 753884	10	SP
75396	B 155 mm	150×13×10	60	4 960910 753969	10	SP

Features

- Draws a large circle by using a joint shaft

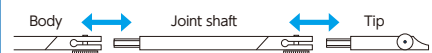


Use

- For drawing circles

Specifications

Material	Body: Brass
Accessories	Joint shaft, 4 x Replacement Lead



Drawing Divider



- Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
75442	A 115 mm	124×13×10	46	4 960910 754423	10	SP
75450	B 155 mm	154×13×10	59	4 960910 754508	10	SP

Features

- Gear type opens both shafts equally

Use

- For dividing lines and copying any dimensions

Specifications

Material	Body: Brass
----------	-------------

Erasing Shield

70963



70961



Features

- Erases only desired area
- Easily see where to erase by looking through the shield (70961)

Use

- For intricate erasing

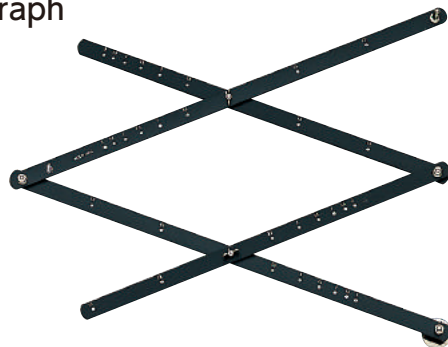
Specifications

Material	Stainless steel
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Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
70963	Stainless Steel Erasing Shield	93×60×0.1	4	4 960910 709638	10	
70961	Stainless Steel Mesh Erasing Shield	80×60×0.1	2	4 960910 709614		

Pantagraph

75426



● Parts are listed from p.243

Features

- Enlarges an original drawing five times or shrinks it by one fifth
- To start, decide desired magnification of enlargement or reduction, then just simply trace the original drawing to make an enlarged or reduced version

Use

- For enlargement and reduction of illustration, photo, painting, sketch, etc.

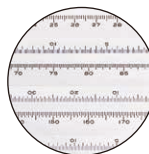
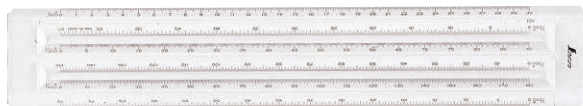
Specifications

Material	Arm: Aluminum Fixing: Brass, iron
Accessories	4 x Replacement Lead

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
75426	Aluminum Pantagraph 5x	423×55×35	211	4 960910 754263	5	

Acrylic Scale Reduction Rule

70769



Features

- Scale with triangular-scale functions
- See through the flat transparent surface while drawing

Use

- For drawing lines and reading sketches

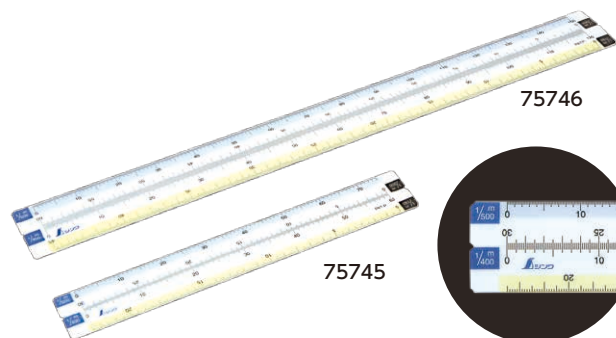
Specifications

Contraction Scale	1/100, 1/200, 1/250 1/300, 1/500, 1/600
Material	Acrylic resin

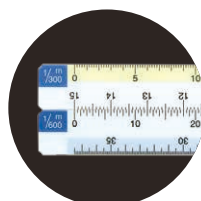
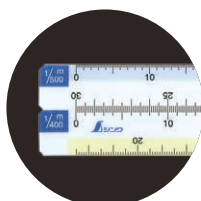
Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
70750	15 cm	210×64×4	39	4 960910 707504	10	
70769	30 cm	370×64×5	80	4 960910 707696		

Folding Scale 8-scales

75746



75745

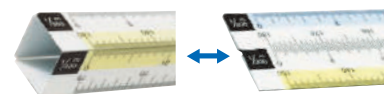


Features

- Folds flat for carrying
- Laminate keeps from fading

Use

- For drawing and reading measurements
Fold and use by facing the desired reduction scale outside



Specifications

Item Code	75745	75746
Length Tolerance	15 cm: ±0.10 mm	30 cm: ±0.15 mm
Reduction Scale	1/100, 1/150, 1/200, 1/250 1/300, 1/400, 1/500, 1/600	
Material	PET resin	

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
75745	15 cm	170×25×0.9	5	4 960910 757455	10	
75746	30 cm	320×32×0.9	11	4 960910 757462		

Triangle Scale



70777



74969



74950

For architects qualification exam



74961

For architects qualification exam



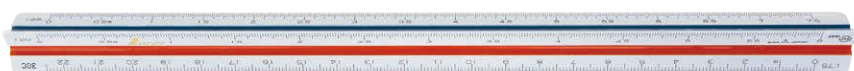
74962



70802



70803



74987



74988

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
70777	A-10 10 cm JIS	Length: 120 Cross section: 16×16×16	9	4 960910 707771	10	
74969	A-15 15 cm for Real-estate Surveyors JIS	Length: 170 Cross section: 16×16×16	13	4 960910 749696	10	
74950	A-30 30 cm for Real-estate Surveyors JIS	Length: 326 Cross section: 25×25×25	58	4 960910 749504	5	
74961	B-15 15 cm for Architects	Length: 170 Cross section: 16×16×16	13	4 960910 749610	10	
74962	B-30 30 cm for Architects	Length: 326 Cross section: 25×25×25	58	4 960910 749627	5	SP
70802	C-15 15 cm for Microcopy	Length: 170 Cross section: 16×16×16	13	4 960910 708020	10	
70803	C-30 30 cm for Microcopy	Length: 326 Cross section: 25×25×25	58	4 960910 708037	10	
74987	D-30 30 cm for Architects, Shipbuilders JIS	Length: 327 Cross section: 25×25×25	60	4 960910 749870	5	
74988	E-30 30 cm for Shipbuilders	Length: 327 Cross section: 25×25×25	60	4 960910 749887	5	

Features

- Convenient for drawing and reading measurements
 - 30 cm models comes with a storage case
 - A-10
 - Convenient pocket size for portability
 - A-15/A-30
 - Convenient for drawing and reading required material during a registration process such as an acreage survey map or a building ground plan
 - B-15/B-30
 - Shows the most essential scales for architectural design
- | |
|---|
| City Plan/Area Measurement |
| 1/250 |
| Arrangement Plan/Ground Plan/Elevation Plan |
| 1/100, 1/200, 1/300 |
| Sectional Detail Drawing/Detail Drawing |
| 1/20, 1/30(double in 1/300), 1/50 |
- C-15/C-30
 - Reads a reduced copy drawing as a stencil size
 - Reduction Scale
- | | |
|-----------------------------|-----------------------------|
| A format → A format (70.7%) | A format → B format (86.6%) |
| A3 → A4 | A3 → B4 |
- D-30
 - Convenient for drawing and reading required material in architecture or shipbuilding
 - E-30
 - Convenient for drawing and reading required material in shipbuilding

Use

- For drawing and taking readings



Specifications

Item Code	70777	74969	74950
Reduction Scale	1/100, 1/200, 1/300 1/400, 1/500, 1/600	1/100, 1/200, 1/250 1/300, 1/500, 1/600	
Length Tolerance	±0.2 mm	±0.3 mm	±0.4 mm
Material	ABS resin		

Item Code	74961	74962
Reduction Scale	1/20, 1/50, 1/100 1/200, 1/250, 1/300	
Length Tolerance	±0.3 mm	±0.4 mm
Material	ABS resin	

Item Code	70802	70803
Reduction Scale	A format → A format A format → B format	1/50, 1/100, 1/200 1/50, 1/100, 1/200
Material	ABS resin	

A format means paper size such as A4, A3, A2, etc.
B format means B5, B4, etc.

Item Code	74987
Reduction Scale	1/20, 1/25, 1/50 1/75, 1/100, 1/125
Length Tolerance	±0.4 mm
Material	ABS resin

Item Code	74988
Reduction Scale	1/10, 1/15, 1/20 1/25, 1/50, 1/75
Length Tolerance	±0.4 mm
Material	ABS resin

*Length tolerance is the accurate measured at 20°C.

Aluminum Triangle Scale



74966



74967

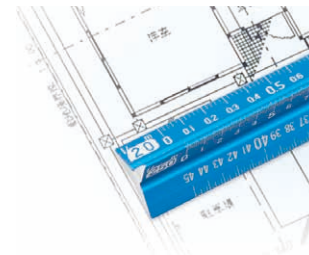
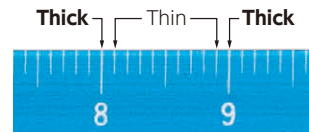
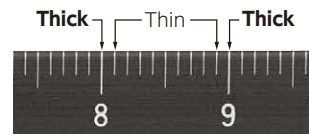


74977



74978

● Fine lines are easy to see since graduation thickness differs for each length



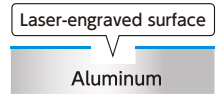
Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
74966	A-15 15 cm Black for Real-estate Surveyors	Length: 170 Cross section: 16×16×16	25	4 960910 749665	10	
74967	A-15 15 cm Blue for Real-estate Surveyors	Length: 170 Cross section: 16×16×16	25	4 960910 749672		
74977	B-15 15 cm Black for Architects	Length: 170 Cross section: 16×16×16	25	4 960910 749771		
74978	B-15 15 cm Blue for Architects	Length: 170 Cross section: 16×16×16	25	4 960910 749788		

Features

● Scale slope is gentler than the resin scale, making for an easy-to-see angle



● Long-lasting, laser-engraved graduations



● Highly durable aluminum construction
 ● Convenient for drawing and reading required material during a registration process such as an acreage survey map or a building ground plan (74966/74967)
 ● Scales often used in architectural blueprints are available (74977/74978)

City Plan/Area Measurement	1/250
Arrangement Plan/Ground Plan/Elevation Plan	1/100, 1/200, 1/300
Sectional Detail Drawing/Detail Drawing	1/20, 1/30 (double in 1/300), 1/50

Use

● For drawing and taking readings

Specifications

Item Code	74966	74967	74977	74978
Reduction Scale	1/100, 1/200 1/250, 1/300 1/500, 1/600		1/20, 1/50 1/100, 1/200 1/250, 1/300	
Length Tolerance	±0.12 mm			
Material	Aluminum			

Triangle Rotation Scale



74980



74979



74940

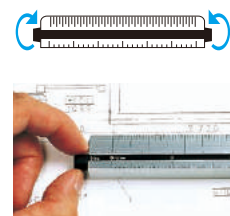


74941

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
74980	15 cm	Length: 185 Cross section: 22.5×22.5×12	61	4 960910 749801	6	
74979	15 cm/shaku	Length: 185 Cross section: 22.5×22.5×12	61	4 960910 749795		
74940	30 cm	Length: 335.5 Cross section: 22.5×22.5×12	115	4 960910 749405		
74941	30 cm/shaku	Length: 335.5 Cross section: 22.5×22.5×12	115	4 960910 749412		

Features

● Choose six sizes of reduction simply by positioning the unit and turning the knobs located on both sides.



Use

● For drawing and taking readings

Specifications

Item Code	74980	74979	74940	74941
Length Tolerance	15 cm: ±0.16 mm		30 cm: ±0.19 mm	
Reduction Scale	Upper row	Upper row	Upper row	Upper row
	1/50, 1/100 1/200, 1/250 1/500	1/20, 1/50 1/100, 1/200 1/250	1/100, 1/200 1/250, 1/500	1/20, 1/50 1/100, 1/200 1/250
	Lower row	Lower row	Lower row	Lower row
Material	Body: Aluminum		Knob: Rubber	

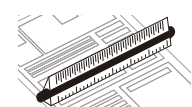
How to Use

● The actual dimensions can be found by selecting and reading the scale based on the drawing's scale
 Ex: When looking at a 1/50 drawing

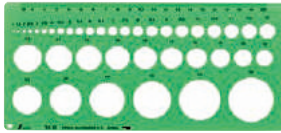


The scale of the triangle rotation scale points to "2", so this is actually 2 m

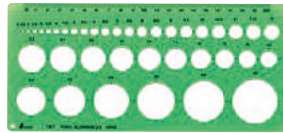
● Use the main body for 1/300, 1/30, and 1/600 scales



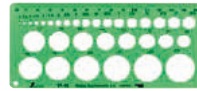
Template [Circle]



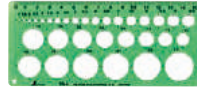
66002 φ1 - 36 mm



66004 φ1 - 36 mm



66003 φ1 - 23 mm



66005 φ1 - 23 mm

Item Code	Description	Body Size (mm)	JAN Code	Packing Unit	Packaging
66002	TA-1E Circle with Edge Medium	105×230×1.0	4 960910 660021	5	ⓑ
66003	TA-4E Circle with Edge Small	70×160×1.0	4 960910 660038	5	ⓑ
66004	TB-1 Circle Medium	105×230×0.75	4 960910 660045	5	ⓑ
66005	TB-4 Circle Small	70×160×0.75	4 960910 660052	5	ⓑ

Features

- Great durability with IR resin material that makes it hard to break
- Easy color on eyes even during prolonged use
- Because they are cut by NC automatic engraving machine that is controlled by computer, the lag from the indicated line is minimal and the surface is smooth for more accurate drawing
- Ring hole helps prevent loss
- Unique edge prevents ink from running off and enables drawing without making the ink bleed (66002/66003)



Use

- For drafting such as design and drawing

Specifications

Material	IR resin
----------	----------

Template [Number/Alphabet]



66013 Character height 3.0/4.0/5.0 mm



66014 Character height 2.5/3.5/4.5 mm

Item Code	Description	Body Size (mm)	JAN Code	Packing Unit	Packaging
66013	TE-5 Number/Alphabet	60×160×0.5	4 960910 660137	5	ⓑ
66014	TE-6 Number/Alphabet	60×160×0.5	4 960910 660144	5	ⓑ

Features

- Great durability with IR resin material that makes it hard to break
- Easy color on eyes even during prolonged use
- Because they are cut by NC automatic engraving machine that is controlled by computer, the lag from the indicated line is minimal and the surface is smooth for more accurate drawing
- Ring hole helps prevent loss

Use

- For drafting such as design and drawing

Specifications

Material	IR resin
----------	----------

Template [Number]



66016
Middle, tall
Character height 2.5/3.0/3.5/4.0/5.0 mm

Item Code	Description	Body Size (mm)	JAN Code	Packing Unit	Packaging
66016	TE-9 Number	60×160×0.5	4 960910 660168	5	ⓑ

Features

- Great durability with IR resin material that makes it hard to break
- Easy color on eyes even during prolonged use
- Because they are cut by NC automatic engraving machine that is controlled by computer, the lag from the indicated line is minimal and the surface is smooth for more accurate drawing
- Ring hole helps prevent loss

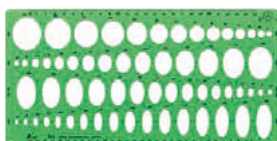
Use

- For drafting such as design and drawing

Specifications

Material	IR resin
----------	----------

Template [Oval/Arc/Corner]



66020
Oval 25°/35°/16°/45°/60°



66031
R0.5 - 38.0 mm

Item Code	Description	Body Size (mm)	JAN Code	Packing Unit	Packaging
66020	TG-3 Oval	150×300×0.75	4 960910 660205	5	ⓑ
66031	TP-1 Corner	105×230×0.75	4 960910 660311	5	ⓑ

Features

- Great durability with IR resin material that makes it hard to break
- Easy color on eyes even during prolonged use
- Because they are cut by NC automatic engraving machine that is controlled by computer, the lag from the indicated line is minimal and the surface is smooth for more accurate drawing
- Ring hole helps prevent loss (66020)

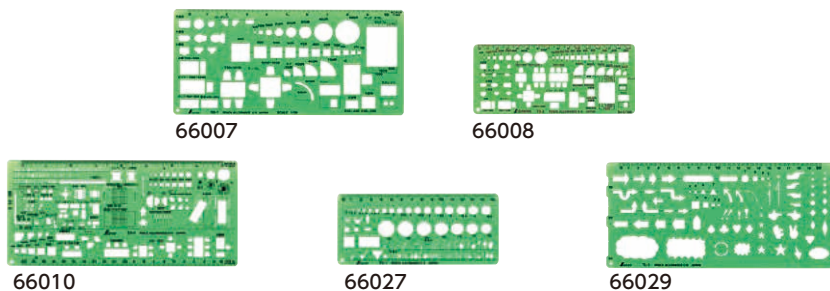
Use

- For drafting such as design and drawing

Specifications

Material	IR resin
----------	----------

Template [Sign]



Item Code	Description	Body Size (mm)	JAN Code	Packing Unit	Package
66007	TD-1 Furniture Large 1/50	105×230×0.75	4 960910 660076	5	
66008	TD-2 Furniture Small 1/100	70×160×0.75	4 960910 660083		
66010	TD-4 Architecture 1/100 and 1/200	105×230×0.75	4 960910 660106		
66027	TK-1 Finish Mark	70×160×0.75	4 960910 660274		
66029	TL-1 Arrow	105×230×0.75	4 960910 660298		

Features

- Great durability with IR resin material that makes it hard to break
- Easy color on eyes even during prolonged use
- Because they are cut by NC automatic engraving machine that is controlled by computer, the lag from the indicated line is minimal and the surface is smooth for more accurate drawing
- Ring hole helps prevent loss



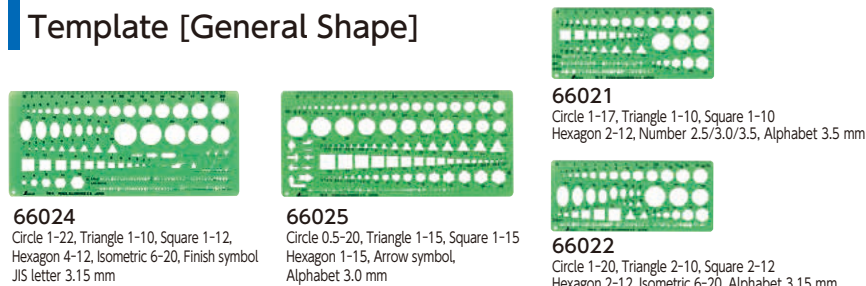
Use

- For drafting such as design and drawing

Specifications

Material	IR resin
----------	----------

Template [General Shape]



66024
Circle 1-22, Triangle 1-10, Square 1-12, Hexagon 4-12, Isometric 6-20, Finish symbol, JIS letter 3.15 mm

66025
Circle 0.5-20, Triangle 1-15, Square 1-15, Hexagon 1-15, Arrow symbol, Alphabet 3.0 mm

66021
Circle 1-17, Triangle 1-10, Square 1-10, Hexagon 2-12, Number 2.5/3.0/3.5, Alphabet 3.5 mm

66022
Circle 1-20, Triangle 2-10, Square 2-12, Hexagon 2-12, Isometric 6-20, Alphabet 3.15 mm

Item Code	Description	Body Size (mm)	JAN Code	Packing Unit	Package
66021	TH-1 General Shape Small	70×160×0.75	4 960910 660212	5	
66022	TH-2 General Shape Small	70×160×0.75	4 960910 660229		
66024	TH-4 General Shape Medium	105×230×0.75	4 960910 660243		
66025	TH-5 General Shape Medium	105×230×0.75	4 960910 660250		

Features

- Great durability with IR resin material that makes it hard to break
- Easy color on eyes even during prolonged use
- Because they are cut by NC automatic engraving machine that is controlled by computer, the lag from the indicated line is minimal and the surface is smooth for more accurate drawing
- Ring hole helps prevent loss

Use

- For drafting such as design and drawing

Specifications

Material	IR resin
----------	----------

Template [Other]



66026

66033
For pencil or ball-point pen

Item Code	Description	Body Size (mm)	JAN Code	Packing Unit	Package
66026	TJ-1 Nut and Bolt	70×160×0.75	4 960910 660267	5	
66033	TQ-1 Japanese and Roman Letter	60×160×0.5	4 960910 660335		

Features

- Great durability with IR resin material that makes it hard to break
- Easy color on eyes even during prolonged use
- Because they are cut by NC automatic engraving machine that is controlled by computer, the lag from the indicated line is minimal and the surface is smooth for more accurate drawing
- Ring hole helps prevent loss

Use

- For drafting such as design and drawing

Specifications

Material	IR resin
----------	----------

Template [3 pc Card-size Set]

66034
JIS letter, Character height 3.15 mm with isometric



Item Code	Description	Body Size (mm)	JAN Code	Packing Unit	Package
66034	TS-A 3 pc-pack Card-size Set	60×97×0.5	4 960910 660342	5	

Features

- Great durability with IR resin material that makes it hard to break
- Easy color on eyes even during prolonged use
- Because they are cut by NC automatic engraving machine that is controlled by computer, the lag from the indicated line is minimal and the surface is smooth for more accurate drawing
- 3 pc-pack Card-size Set which can be stored in a pocket, pen case, or system notebook, etc.

Use

- For drafting such as design and drawing

Specifications

Material	IR resin
----------	----------

Mechanical Drawing Pencil

77798



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
77798	0.5 mm	φ10×142	17	4 960910 777989	10	B

Features

- Ideal for drawing

Use

- For drawing a plan

Specifications

Material: Body: Aluminum

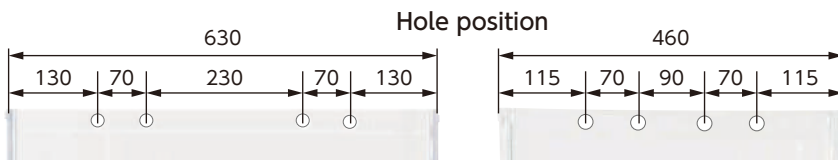
Transparent Case



78197



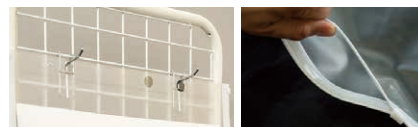
78198



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
78197	With Zipper A1	900×630×0.4	300	4 960910 781979	10	B
78198	With Zipper A2	670×460×0.4	170	4 960910 781986		

Features

- Clearly shows materials inside from the transparent side. The other side is semi-transparent to prevent papers and sheets from sticking together and to help get them in and out smoothly.
- Both sides have fasteners for better accessibility
- Comes with holes positioned symmetrically for storage



Use

- For presenting, keeping, and filing posters or drawings

Specifications

Item Code	78197	79198
Material	Vinyl chloride resin	
Inner Dimension	870 × 610 mm	640 × 440 mm

Drawing Sheet Case A



Paper size

0 step	530 mm
1 step	580 mm
2 step	615 mm (A-1)
3 step	655 mm
4 step	695 mm
5 step	735 mm (B-1)
6 step	775 mm
7 step	845 mm (A-0)

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
77030	7-step Slide	φ86×550	290	4 960910 770300	10	B

Features

- Has a lock function on body and a cap to hold heavy items
- Seven-step expansion allows for various sizes of papers

Use

- For keeping and carrying posters or drawings

Specifications

Material: Polypropylene resin

Drawing Brush



70874

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
70874	Drawing Brush	233×75×12	52	4 960910 708747	10	SP

Features

- Made of soft, high quality horsehair

Use

- For cleaning eraser dust on a desk or drawing

Specifications

Material: Wood, horsehair

20. Magnets



Scan here to see videos of various products

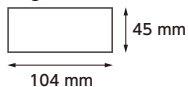


Packaging Shrink package Box Vinyl package + header card Card No package
 Sleeve package Bag Clear package Vinyl package

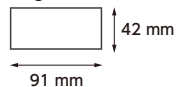
Hand Magnet

Adsorption power
30 N
3 kgf

73558/73559
Magnet (bottom)



73553/73554
Magnet (bottom)



73558



73559



73553



73554

●Parts are listed from p.243

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
73558	A-3	360×115×115	550	4 960910 735583	5	
73559	B-3 with Handle	830×115×115	730	4 960910 735590		
73553	A-2	160×98×52	315	4 960910 735538	10	
73554	B-2 with Handle	680×110×52	475	4 960910 735545		

Features

- Detachable magnet enables fast, safe picking up of metals such as screws
- Comes with a shaft handle for better accessibility (73559/73554)
- Convenient for sorting empty cans between steel or aluminum for recycling
- Strong aluminum body (73558/73559)
- Detaches easily by pulling up the lever



- Designed to be easy to handle (73558/73559)



Use

- For collecting screws, nails, or other metal pieces, etc.

Specifications

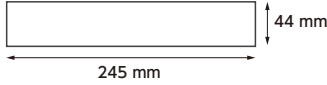
Item Code	73558	73559	73553	73554
Orientation	Anisotropy			
Adsorption Power	30 N (3 kgf)			
Material	Body/Adsorption Face: Aluminum Lever: Iron Magnet: Ferrite	Body: Polystyrene resin Lever: Iron Adsorption Face: Stainless steel Magnet: Ferrite		

Carpenter's Squares
Stainless Steel Rules / Machine Scale
Aluminum Rules
Resin Rules / Bamboo Rules
Squares / Protractors
Vernier Calipers / Micrometers
Tape Measures
Surveying Products
Scales
Levels
Lasers / Optical Equipment
Inclines / Chalklines / Plumblines
Circular Saw Guides
Construction Tools
Industrial Tools
Thermometers / Hygrometers / Scales / Weighing Instruments
Outdoor Products
Magnifying Glasses
Drawing Tools
Magnets

Hand Magnet with Casters

Adsorption power
50 N
5 kgf

Magnet (bottom)



Features

- Collect metal pieces quickly over a wide area
- Single-handed lever operation
- Turns freely in any direction
- Strong aluminum body



Two-step expansion
Min. Length
715mm



Two-step expansion
Max. Length
1,015mm

Use

- For collecting screws, nails, or other metal pieces, etc.

Specifications

Orientation	Anisotropy
Adsorption Power	50 N (5 kgf)
Material	Body: Aluminum, ABS resin Magnet: Ferrite

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
73556	C	715 - 1,015 ×320×130	1,100	4 960910 735569	1	N

Magnetic Pick-up Tool

Adsorption power
10 N
1 kgf



Adsorption power
15 N
1.5 kgf



Adsorption power
20 N
2 kgf



Features

- Made with a strong anisotropic magnet
- Telescopic antenna convenient for storage and use
- Clip included for portable convenience (72290/72291)
- Magnetic part can be moved to any direction (72291)
- Comes with a bright, long-lasting white LED light (72456)
- Strong stainless steel shaft (72456)
- Easy-to-hold and non-slip large rubber grip (72456)

Use

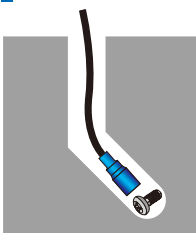
- For picking up screws in hard-to-reach places
- For sorting out ferrous and nonferrous metals, and removing metal flakes

Specifications

Item Code	72290	72291	72456
Orientation	Anisotropy		
Adsorption Power	10 N (1 kgf)	15 N (1.5 kgf)	20 N (2 kgf)
Antenna Length	645 mm	540 mm	660 mm
Power Source	3x alkaline batteries LR44 (included) <small>(Batteries included are for trial use only and may not last as long)</small>		
Material	Body: Brass Magnet: Neodymium		Body: Stainless steel, rubber, brass Magnet: Neodymium

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
72290	H-2	133×11×14	28	4 960910 722903	10	SP
72291	H-3	134×13×13	29	4 960910 722910	10	SP
72456	H-4 with Light	186×18×18	88	4 960910 724563	5	SP

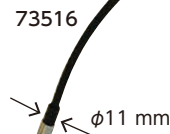
Magnetic Pick-up Tool Flexible



Adsorption power
20 N
2 kgf



Adsorption power
10 N
1 kgf



Easily detachable mirror



Features

- Usable even in narrow, winding, and dark places
- Accessible switch for easy turning on and off to extend battery life
- Strong neodymium magnet
- Flexible type that can bend freely
- Strong aluminum grip with colored alumite finish
- Comes with a bright, long-lasting white LED light
- Use as an inspection mirror by attaching the accessory mirror to the end and check places that are hard to see (73516)

Use

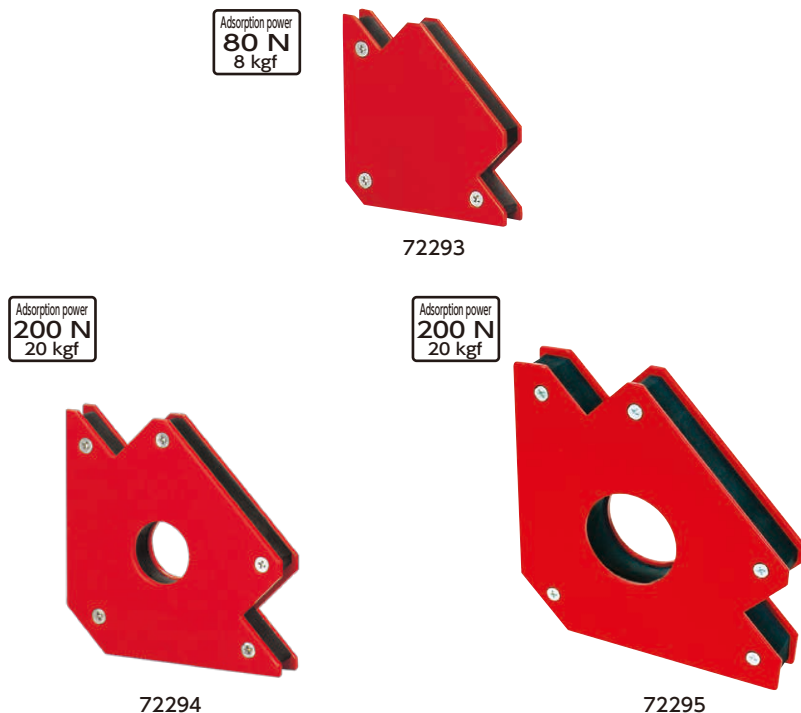
- For picking up screws in hard-to-reach places
- For sorting out ferrous and nonferrous metals, and removing metal flakes

Specifications

Item Code	73511	73516
Orientation	Anisotropy	
Adsorption Power	20 N (2 kgf)	Tip 10 N (1 kgf) Base 20 N (2 kgf)
Power Source	2x AA alkaline batteries (included)	3x alkaline batteries LR44 (included) <small>(Batteries included are for trial use only and may not last as long)</small>
Luminosity	27,000 mcd	
Material	Grip: Aluminum Flexible Tube: Iron Magnet: Neodymium	Grip: Aluminum Flexible Tube: Iron Mirror: Glass, ABS resin, polypropylene resin Magnet: Neodymium
Accessories	—	Inspection mirror

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
73511	H-5 with Light	607×20×20	227	4 960910 735118	5	SP
73516	H-6 with Light and Mirror	560×18×18	150	4 960910 735163	5	SP

Welding Magnet



Features

- Sticks with strong magnetic force. Convenient 45° and 90° shape
- *Use the angle of 45° and 90° only as a guide.

Use

- For temporary holding in welding works

Specifications

Item Code	72293	72294	72295	
Size	a	120 mm	156 mm	190 mm
	b	82 mm	100 mm	122 mm
	c	15 mm	17 mm	25 mm
	d	85 mm	110 mm	135 mm
Orientation	Anisotropy			
Adsorption Power	80 N (8 kgf)	200 N (20 kgf)		
Material	Body: ABS resin, iron Magnet: Ferrite			

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
72293	S	120×82×15	293	4 960910 722934	5	
72294	M	156×100×17	598	4 960910 722941	4	
72295	L	190×122×25	1,202	4 960910 722958	3	

T-shaped Magnet



Features

- Ideal for various maintenance work with its strong adsorption power

Use

- For holding scales or as an anchor
- As a magnetic hook

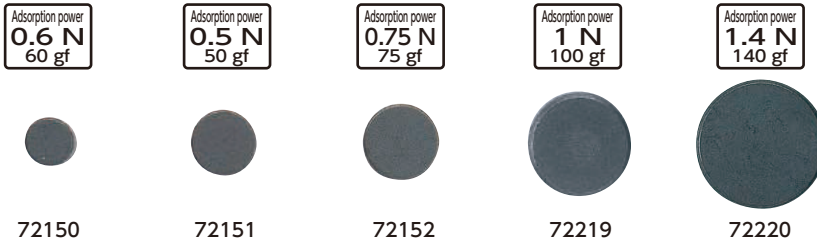
Specifications

Item Code	73520	73539	73547
Orientation	Anisotropy		
Adsorption Power	25 N (2.5 kgf)	150 N (15 kgf)	250 N (25 kgf)
Size of Screw	M6 (1.0pitch)	M8 (1.25pitch)	
Material	Body: Zinc alloy Handle: Iron Magnet: Ferrite		

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
73520	C φ25	φ25×30	80	4 960910 735200	5	
73539	D φ40	φ40×35	240	4 960910 735392	5	
73547	E φ50	φ50×35	330	4 960910 735477	3	

Carpenter's Squares
Stainless Steel Rules / Machine Scale
Aluminum Rules
Resin Rules / Bamboo Rules
Squares / Protractors
Vernier Calipers / Micrometers
Tape Measures
Surveying Products
Scales
Levels
Lasers / Optical Equipment
Inclines / Chalklines / Plumblines
Circular Saw Guides
Construction Tools
Industrial Tools
Thermometers / Hygrometers / Scientific Measuring Instruments
Outdoor Products
Magnifying Glasses
Drawing Tools
Magnets

Magnetic Chips Circle



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
72150	A-1 ϕ 10 6 pc-pack	ϕ 10x5	1.8	4 960910 721500	10	SP
72151	A-2 ϕ 15 6 pc-pack	ϕ 15x4	3.5	4 960910 721517		
72152	A-3 ϕ 20 3 pc-pack	ϕ 20x4	6.2	4 960910 721524		
72219	A-4 ϕ 25 2 pc-pack	ϕ 25x4	9	4 960910 722194		
72220	A-5 ϕ 30 2 pc-pack	ϕ 30x5	16	4 960910 722200		

Features

- Double-sided tape for use in a variety of applications

Use

- For putting small things on a chalkboard or whiteboard
- For personal hobby use

Specifications

Item Code	72150	72151
Orientation	Isotropy	
Adsorption Power	0.6 N (60 gf)	0.5 N (50 gf)
Material	Magnet: Ferrite	

Item Code	72152	72219	72220
Orientation	Isotropy		
Adsorption Power	0.75 N (75 gf)	1 N (100 gf)	1.4 N (140 gf)
Material	Magnet: Ferrite		

Magnetic Chips Square



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
72153	B-1 15 x 16 mm 3 pc-pack		4.6	4 960910 721531	10	SP
72154	B-2 15 x 20 mm 2 pc-pack		5.6	4 960910 721548		
72155	B-3 19 x 25 mm 2 pc-pack		9.2	4 960910 721555		
72156	B-4 10.5 x 30 mm 2 pc-pack		7.6	4 960910 721562		
72221	B-5 20 x 30 mm 2 pc-pack		14	4 960910 722217		

Features

- Double-sided tape for use in a variety of applications

Use

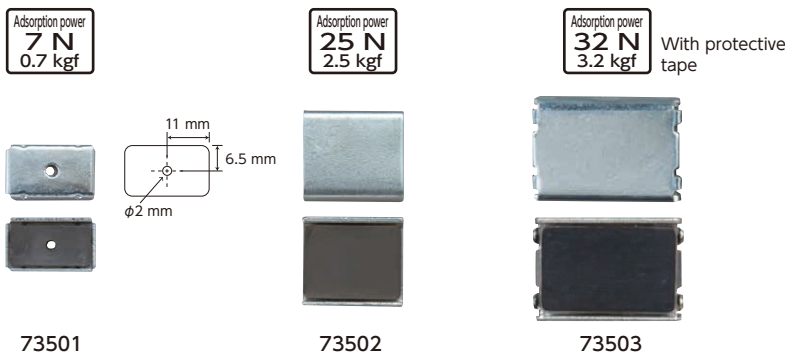
- For putting small things on a chalkboard or whiteboard
- For personal hobby use

Specifications

Item Code	72153	72154
Orientation	Isotropy	
Adsorption Power	0.75 N (75 gf)	
Material	Magnet: Ferrite	

Item Code	72155	72156	72221
Orientation	Isotropy		
Adsorption Power	1 N (100 gf)	0.85 N (85 gf)	1.4 N (140 gf)
Material	Magnet: Ferrite		

Magnetic Chips Square with Yoke



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
73501	E-1 13 x 22 mm 2 pc-pack	13x22x5.5	7	4 960910 735019	10	SP
73502	E-2 23 x 26 mm 2 pc-pack	23x26x7	21	4 960910 735026		
73503	E-3 30 x 44 mm 2 pc-pack	30x44x7	42	4 960910 735033		

Features

- Strong magnet with yoke
- Double-sided tape for use in a variety of applications

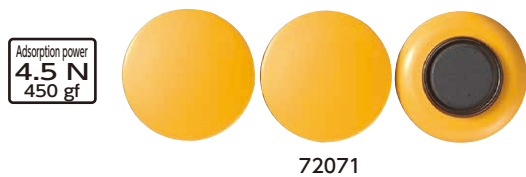
Use

- For putting small things on a chalkboard or whiteboard
- For personal hobby use

Specifications

Item Code	73501	73502	73503
Orientation	Anisotropy		
Adsorption Power	7 N (0.7 kgf)	25 N (2.5 kgf)	32 N (3.2 kgf)
Material	Magnet: Ferrite		

Strong Color Magnets with Yoke



72071

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
72068	φ40 White 3 pc-pack	φ40×11	18	4 960910 720688	10	
72071	φ40 Yellow 3 pc-pack	φ40×11	18	4 960910 720718		

Features

- Strong magnet with yoke

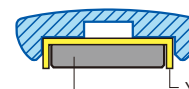
Use

- As a memo holder on a chalkboard, steel object, and refrigerator

Specifications

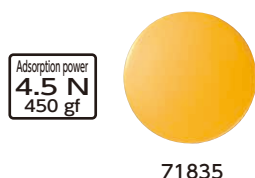
Orientation	Isotropy
Adsorption Power	4.5 N (450 gf)
Material	Body (cover): Polystyrene resin Magnet: Ferrite

Cross section



Magnet Yoke increases magnetic force

Strong Color Magnets with Yoke in Vinyl Bag



71835

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
71835	φ40 Yellow 6 pc-pack	φ40×11	18	4 960910 718357	10	

Features

- Strong magnet with yoke

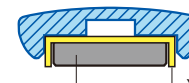
Use

- As a memo holder on a chalkboard, steel object, and refrigerator

Specifications

Orientation	Isotropy
Adsorption Power	4.5 N (450 gf)
Material	Body (cover): Polystyrene resin Magnet: Ferrite

Cross section



Magnet Yoke increases magnetic force

Magnetic Clip Square

Withstand load
350 g

72040



Withstand load
400 g

72041



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
72040	B Small	42×36×24	45	4 960910 720404	10	
72041	C Large	51×45×25	79	4 960910 720411		

Features

- Holds papers and sticks on a refrigerator
- Convenient to hold several papers or thick papers together



Use

- As a memo holder on a chalkboard, metal object, or refrigerator

Specifications

Item Code	72040	72041
Orientation	Isotropy	
Withstand Load	350 g	400 g
Material	Body (cover): Iron Magnet: Ferrite	

Magnetic Clips Circle

Withstand load
150 g



72036

72037

72038

72039

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
72036	A Green 2 pc-pack	φ30×17	16	4 960910 720367	10	
72037	A Blue 2 pc-pack	φ30×17	16	4 960910 720374		
72038	A Yellow 2 pc-pack	φ30×17	16	4 960910 720381		
72039	A Red 2 pc-pack	φ30×17	16	4 960910 720398		

Features

- Holds papers and sticks on a refrigerator
- Four colorful patterns to choose from

Use

- As a memo holder on a chalkboard, metal object, and refrigerator

Specifications

Item Code	72036	72037	72038	72039
Orientation	Isotropy			
Withstand Load	150 g			
Material	Body (cover): Polystyrene resin, iron Magnet: Ferrite			

Carpenter's Squares
Stainless Steel Rules / Machine Scale
Aluminum Rules
Resin Rules / Bamboo Rules
Squares / Protectors
Vernier Calipers / Micrometers
Tape Measures
Surveying Products
Scales
Levels
Lasers / Optical Equipment
Inclines / Chalklines / Plumbholders
Circular Saw Guides
Construction Tools
Industrial Tools
Thermometers / Hygrometers / Scientific Measuring Instruments
Outdoor Products
Magnifying Glasses
Drawing Tools
Magnets

Magnetic Clips Flexible

Adsorption power
10 N
1 kgf



72126



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
72126	D White 2 pc-pack	44×36×25	21	4 960910 721265	10	SP

Features

- Displays memo or price tag at any angle
- Protective tape on the magnetic face protects the surface from getting scratched

Use

- For placing memos, prices and POP displays on a chalkboard, steel object, and refrigerator, etc.

Specifications

Orientation	Isotropy
Adsorption Power	10 N (1 kgf)
Material	Body (clip part): ABS resin Magnet: Ferrite

Magnetic Bar 25 cm

Adsorption power
4 N
400 gf



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
72033	Red	250×15×7.5	50	4 960910 720336	10	SP
72034	Blue	250×15×7.5	50	4 960910 720343		
72035	Yellow	250×15×7.5	50	4 960910 720350		

Features

- Makes it easy to display large paper materials such as maps, graphs, charts, documents and memos



Use

- For displaying maps, graphs and documents

Specifications

Orientation	Isotropy
Adsorption Power	4 N (400 gf)
Material	Body (cover): Vinyl chloride resin Magnet: Ferrite

Magnetic Holder

Withstand load
1.3 kg*

72008



*Depending on the shape of the object to be adsorbed.

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
72008	38 cm	380×49×14	306	4 960910 720084	5	SP

Features

- Quickly attach and detach a required tool to increase productivity



Use

- Convenient for putting tools in order

Specifications

Orientation	Anisotropy
Withstand Load	1.3 kg
Material	Body: ABS resin Magnet: Ferrite
Accessories	2 screws

Magnetic Hanger Square

Withstand load
2 kg

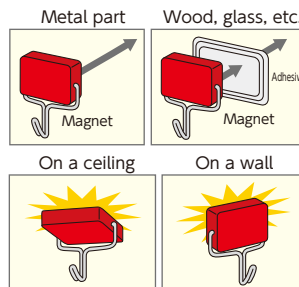
72032



72084



72085



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
72032	B Yellow	33×26×15	62	4 960910 720329	10	SP
72084	B Red	33×26×15	62	4 960910 720848		
72085	B Blue	33×26×15	62	4 960910 720855		

Features

- Magnet with a hook that will hold a bag, key, or any small thing
- Adhesive for sticking to non-metallic surfaces
- Unfixed hook makes it usable on a ceiling as well

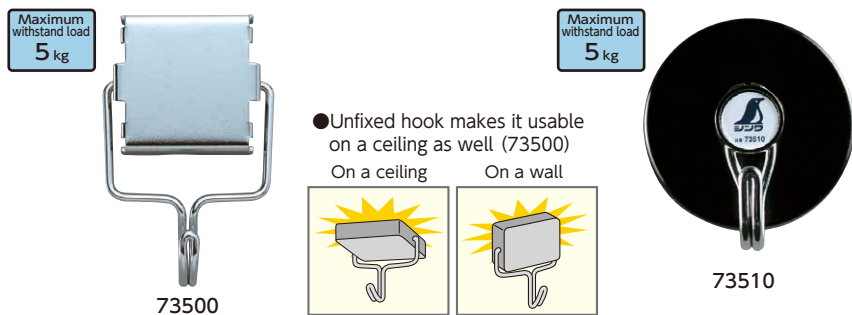
Use

- For hanging bags or small articles

Specifications

Orientation	Isotropy
Withstand Load	2 kg
Material	Body (cover): Iron Magnet: Ferrite
Accessories	Steel plate with adhesive

Ultra Strong Magnetic Hanger



Features

- Ultra strong model with an anisotropic magnet. Lift heavy objects that are difficult with conventional magnetic hangers.
- Protective tape on the magnetic face protects the surface from getting scratched. If stronger magnetic force is required, use without the tape.
- *Load capacity with tape: 3 kg without tape: 5 kg

Use

- For hanging bags or small articles

Specifications

Orientation	Anisotropy
Withstand Load	3 - 5 kg
Material	Body (cover): Iron Magnet: Ferrite

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
73500	Square C	47×50×13	135	4 960910 735002	10	
73510	Circle D	φ76×10	323	4 960910 735101	10	

Magnet Stick



Features

- Pair of NS magnets
- Stick type can be stored in narrow spaces

Use

- As a teaching aid in science class, etc.

Specifications

Item Code	73514	73515
Adsorption Power	0.2 N (20 gf)	0.5 N (50 gf)
Material	Body: High carbon steel	

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
73514	Pair of Circle A	φ9×90	45	4 960910 735149	10	
73515	Pair of Square B	150×19×6	125	4 960910 735156	10	

U-shaped Magnet



Features

- NS magnet
- Strong force type (73530/73532)
- Lightweight, compact type (73531)

Use

- As a tool for collecting nails, etc. (73530/73532)
- As a teaching aid in science class, etc. (73531)

Specifications

Item Code	73530	73532
Adsorption Power	6 N (600 gf)	4.5 N (450 gf)
Material	Body: High carbon steel	

Item Code	73531
Adsorption Power	2.5 N (250 gf)
Material	Body: High carbon steel

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
73530	A-1	100×65×8	300	4 960910 735309	5	
73532	A-2	77×57×8	250	4 960910 735323	5	
73531	B-1	90×52×5	150	4 960910 735316	10	

Steel Sheet 10 x 20 cm 0.2 mm Thick with Adhesive

72200

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
72200	Steel Sheet 2 pc-pack	100×200×0.2	13	4 960910 722002	5	

Features

- Non-magnetic surfaces such as wood, glass, and acrylic become magnetic by attaching the sheet
- Easy-to-cut in any desired shape with scissors or cutter
- Sheet type can be attached even to a curved surface

Use

- As a base for affixing magnets

Specifications

Material	Iron
----------	------

Carpenter's Squares
Stainless Steel Rules/ Machine Scale
Aluminum Rules
Resin Rules/ Bamboo Rules
Squares/ Protractors
Vernier Calipers/ Micrometers
Tape Measures
Surveying Products
Scales
Levels
Lasers/ Optical Equipment
Inklines/ Chalklines/ Plumbers' Lines
Circular Saw Guides
Construction Tools
Industrial Tools
Thermometers/ Hygrometers/ Scientific Measuring Instruments
Outdoor Products
Magnifying Glasses
Drawing Tools
Magnets

Magnetic Sheet 10 x 20 cm 1.2 mm Thick with Adhesive

Adsorption power
0.13
N/cm²
13 gf/cm²

72009



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
72009	10 × 20 cm	100×200×1.2	80	4 960910 720091	5	

Features

- Adhere the magnetic sheet to an object and it can be attached to steel, etc.
- Easy-to-cut in any shape with scissors or cutter
- Sheet type can be attached even to a curved surface

Use

- For sticking up a poster, calendar, and posting material, etc.

Specifications

Orientation	Isotropy
Adsorption Power	0.13 N/cm ² (13 gf/cm ²)
Material	Magnet: Stontorium ferrite, chlorinated polyethylene

Magnetic Sheet Piece 10 x 20 mm 0.8 mm Thick with Adhesive

Adsorption power
0.11
N/cm²
11 gf/cm²

72182



Size of 1 piece: 10 × 20 mm

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
72182	C-1 100 pc-pack	100×200×0.8	51	4 960910 721821	5	

Features

- Adhere a piece of magnetic sheet to an object and it can be attached to steel, etc.
- Already cut-out pieces come in handy for using on small objects

Use

- For sticking up a poster, calendar, or posting material, etc.

Specifications

Orientation	Isotropy
Adsorption Power	0.11 N/cm ² (11 gf/cm ²)
Material	Magnet: Stontorium ferrite, chlorinated polyethylene

Magnetic Sheet 0.8 mm Thick

Adsorption power
0.09
N/cm²
9 gf/cm²

72042



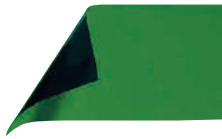
72044



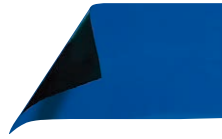
72043



72045



72046



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
72042	Gloss A Red 10 × 20 cm	100×200×0.8	48	4 960910 720428	5	
72043	Gloss A White 10 × 20 cm	100×200×0.8	48	4 960910 720435		
72044	Gloss A Yellow 10 × 20 cm	100×200×0.8	48	4 960910 720442		
72045	Gloss A Green 10 × 20 cm	100×200×0.8	48	4 960910 720459		
72046	Gloss A Blue 10 × 20 cm	100×200×0.8	48	4 960910 720466		
72047	Mat B Red 10 × 30 cm	100×300×0.8	80	4 960910 720473		
72048	Mat B White 10 × 30 cm	100×300×0.8	80	4 960910 720480	5	
72049	Mat B Yellow 10 × 30 cm	100×300×0.8	80	4 960910 720497		
72050	Mat B Green 10 × 30 cm	100×300×0.8	80	4 960910 720503		
72051	Mat B Blue 10 × 30 cm	100×300×0.8	80	4 960910 720510		

Features

- Easily cut out any desired shape with scissors or cutter and stick on a chalkboard, steel, or refrigerator, etc.
- Sheet allows attaching even to a curved surface
- Gloss enables it to use as a whiteboard
- Convenient to write on for displays
- Uses are only limited by your ideas, such as sticking on a car, displaying a price of an item, etc.

Use

- For various displays

Specifications

Orientation	Isotropy
Adsorption Power	0.09 N/cm ² (9 gf/cm ²)
Material	Magnet: Stontorium ferrite, chlorinated polyethylene Surface: polyvinyl chloride resin

Magnetic Sheet Mat 10 cm x 10 m 0.8 mm Thick

Adsorption power
0.09
N/cm²
9 gf/cm²



72215

*Please contact us separately about a display

Item Code	Description	Body Size	Weight (g)	JAN Code	Packing Unit	Packaging
72215	White Roll	10 cm×10 m ×0.8 mm	3,100		1	

Features

- 10 m roll allows cutting and selling in desired lengths at a store
- Easily cut out any desired shape with scissors or cutter
- Sheet can be attached even to a curved surface
- Convenient to write on for displays
- Uses are only limited by your ideas, such as sticking on a car, displaying a price of an item, etc.

Use

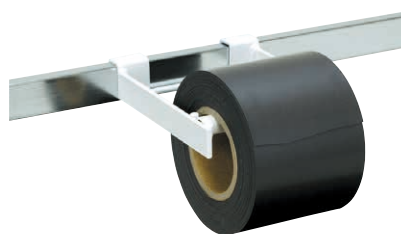
- For various displays

Specifications

Orientation	Isotropy
Adsorption Power	0.09 N/cm ² (9 gf/cm ²)
Material	Magnet: Strontium ferrite, chlorinated polyethylene Surface: polyvinyl chloride resin

Rubber Magnetic Sheet 10 cm x 10 m 0.8 mm Thick

Adsorption power
0.09
N/cm²
9 gf/cm²



72086

*Please contact us separately about a display

Item Code	Description	Body Size	Weight (g)	JAN Code	Packing Unit	Packaging
72086	Roll	10 cm×10 m ×0.8 mm	3,000		1	

Features

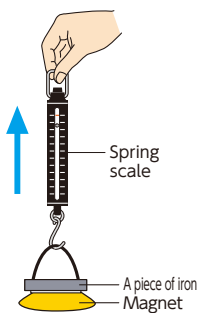
- 10 m roll type allows cutting and selling in desired lengths at a store
- Can be easily cut with scissors and cutter into a shape suitable for the application, and by pasting on an object, that object can be put on steel, etc.
- Sheet can be attached even to a curved surface

Use

- For sticking up a poster, calendar, or posting material, etc.

Specifications

Orientation	Isotropy
Adsorption Power	0.09 N/cm ² (9 gf/cm ²)
Material	Magnet: Strontium ferrite, chlorinated polyethylene



Method of measuring adsorption power

Let a magnet stick to a piece of iron (adsorption area 14 X 20 mm). Pull it straight up from the adsorption face and read the measurement value when the piece of metal comes off the magnet.

- Adsorption power: 1 gf=0.0098 N
- Load capacity: maximum weight that can be put on a hook.

*Adsorption power and load capacity are listed as references. Please be cautious as they can vary depending on the thickness of iron or coating.

Orientation

Ferrite magnets and rubber magnet sheets are roughly classified into isotropic magnets and anisotropic magnets, depending on the type of magnetic material and crystal.

Isotropic magnet



- An isotropic magnet has a random structure of ferrite (crystal) and its direction is not fixed, so its adsorption is uniformly strong from any direction.

Anisotropic magnet



- An anisotropic magnet has a stable structure of ferrite that forms in the same direction and has better magnetic characteristics compared to isotropic magnet.

Parts List

Parts List

Japan Calibration Service System (JCSS)

Etching

Sheet Heaters

Custom-Made Items

Name Printing

Index Item Code Description

Index Item Code Description

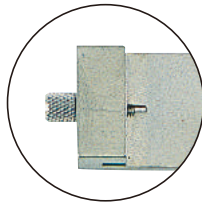
Rule Stopper



82415



82873



Item Code	C. D.	Catalog Printing Page	Description
82415	7	34	Stopper screw for Rule Stopper for 15, 30, 60 cm
82873	5	34	Stopper screw for Rule Stopper for 1, 1.5, 2 m

Aluminum Rule Non-slip Pad



84270

Item Code	C. D.	Catalog Printing Page	Description
84270	0	40/42	Non-slip pad for Aluminum Rule 30 - 60 cm, 1 m

Aluminum Cutting Rule

85518



99556

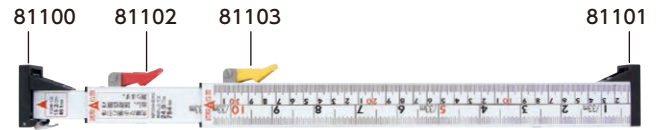


84259



Item Code	C. D.	Catalog Printing Page	Description
85518	2	41	Handle, screw set for Aluminum Cutting Rule EX
99556	7	42	Handle, screw set for Aluminum Cutting Rule
84259	5	42	Handle for Aluminum Cutting Rule Light
80741	9	41	Non-slip rubber sheet for Aluminum Cutting Rule EX 60 cm, 1 m
82650	2	41	Non-slip rubber sheet for Aluminum Cutting Rule EX 1.5 cm, 2 m

Telescopic Measure One Direction II



Item Code	C. D.	Catalog Printing Page	Description
81102	7	43	Stopper lever 1 red, shaft, screw set for Telescopic Measure One Direction II
81103	4	43	Stopper lever 2 yellow, shaft, screw set for Telescopic Measure One Direction II
81100	3	43	Plastic end A with hook, nut, screw set for Telescopic Measure One Direction II
81101	0	43	Plastic end B, nut, screw set for Telescopic Measure One Direction II

Telescopic Measure One Direction



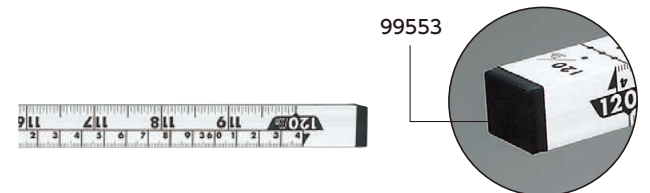
Item Code	C. D.	Catalog Printing Page	Description
82100	2	43	Stopper lever ① red, shaft, screw set for Telescopic Measure One Direction
82101	9	43	Stopper lever ② yellow, shaft, screw set for Telescopic Measure One Direction
82048	7	43	Upper cap, screw set for Telescopic Measure One Direction
82049	4	43	Lower cap, screw set for Telescopic Measure One Direction

Telescopic Measure Two Directions



Item Code	C. D.	Catalog Printing Page	Description
81551	3	44	Side cap, screw set for Telescopic Measure Two Directions
99755	4	44	Stopper knob ① red for Telescopic Measure Two Directions
99756	1	44	Stopper knob ② yellow for Telescopic Measure Two Directions

Shaku Measure, Ken Measure



Item Code	C. D.	Catalog Printing Page	Description
99553	6	44/45	Rubber cap for Shaku Measure, Ken Measure

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JAN code number is "4960910 + item code + C.D."

Aluminum Box Beam Straight Measure



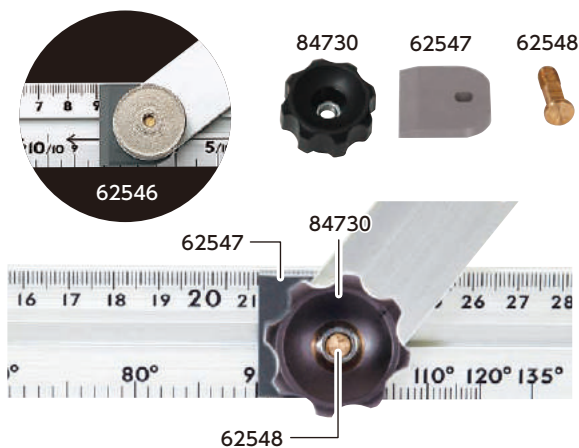
Item Code	C. D.	Catalog Printing Page	Description
50276	5	45	Protective cap for Aluminum Box Beam Straight

Japanese Sliding Bevel



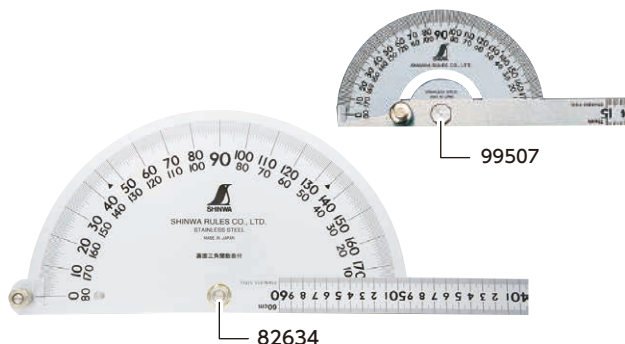
Item Code	C. D.	Catalog Printing Page	Description
99559	8	51	Nut, center screw set for Japanese Sliding Bevel

Aluminum Sliding Bevel



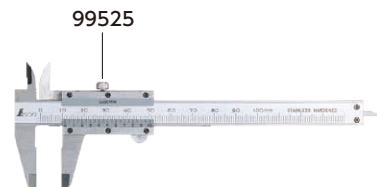
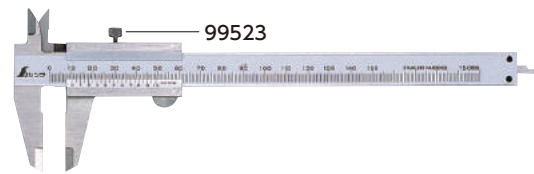
Item Code	C. D.	Catalog Printing Page	Description
84730	9	52	Grip nut for Aluminum Sliding Bevel
62546	4	52	Nut for Aluminum Sliding Bevel and Welding Guide Rule
62547	1	52	Plastic washer for Aluminum Sliding Bevel and Welding Guide Rule
62548	8	52	Center screw for Aluminum Sliding Bevel

Protractor



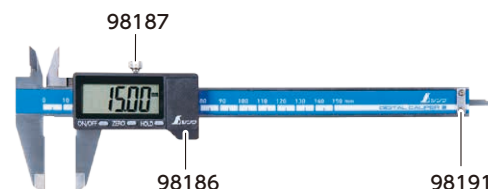
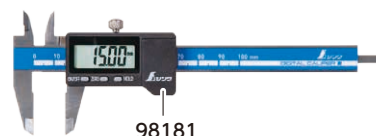
Item Code	C. D.	Catalog Printing Page	Description
99507	9	54	Nut, center screw set for Protractor No.101
99516	1	54	End nut, iron bolt set for Protractor No.300 Double-blade
82634	2	54	Center screw, hexagonal nut, ring, washer set for Protractor No.600 Double-blade

Vernier Caliper Mini Vernier Caliper



Item Code	C. D.	Catalog Printing Page	Description
99523	9	56	Stopper knob for Vernier Caliper 150 mm
99563	5	56	Depth probe holding plate, screw set for Vernier Caliper 150 mm
99524	6	56	Stopper knob for Vernier Caliper 200 mm
99564	2	56	Depth probe holding plate, screw set for Vernier Caliper 200 mm
99567	3	56	Depth probe holding plate, screw set for Vernier Caliper 300 mm
99525	3	57	Stopper knob for Mini Vernier Caliper 100 mm
99565	9	57	Depth probe holding plate, screw set for Mini Vernier Caliper 100 mm
82890	2	57	Stopper knob for Mini Vernier Caliper 70 mm

Digital Caliper with Hold Function 2



Item Code	C. D.	Catalog Printing Page	Description
98181	2	58	Battery cap, screw set for Digital Caliper Mini 2
98186	7	58	Battery cap, screw set for Digital Caliper 2 150 - 300 mm
98187	4	58	Stopper knob for Digital Caliper 2 150 - 300 mm
98191	1	58	Depth probe holding plate, screw set for Digital Caliper 2 150 - 300 mm
98183	6	58	Digital part replacement for Digital Caliper Mini 2
98188	1	58	Digital part replacement for Digital Caliper 2 150 mm
98189	8	58	Digital part replacement for Digital Caliper 2 200 mm
98190	4	58	Digital part replacement for Digital Caliper 2 300 mm

*Please ask about digital unit replacement service

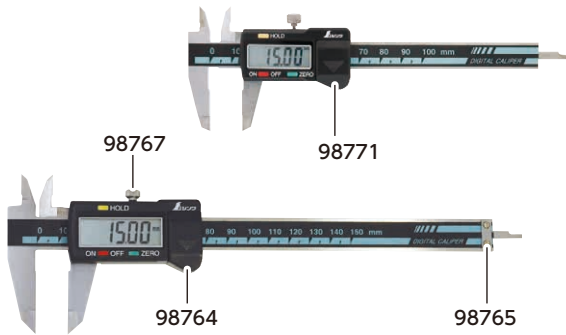
Please be aware that we will no longer provide components for discontinued products once the inventory runs out after discontinuation (however, this is limited to three years after discontinuation)

JAN code number is "4960910 + item code + C.D."

Parts List
Japan Calibration Service System (JCSS)
Etching
Sheet Heaters
Custom-Made Items
Name Printing
Index Description
Index Description

Parts List
Japan Calibration Service System (JCSS)
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Sheet Heaters
Custom-Made Items
Name Printing
Index Description
Index Description

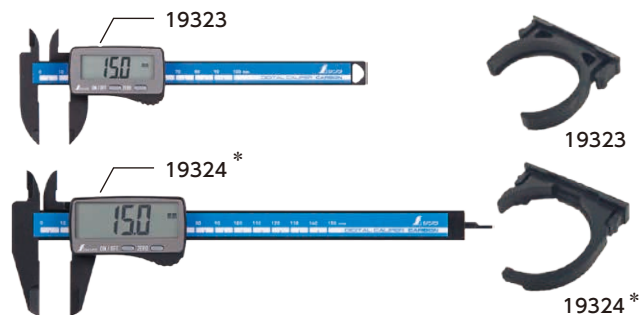
Digital Caliper with Hold Function



Item Code	C. D.	Catalog Printing Page	Description
98771	5	—	Battery cap, screw set for Digital Caliper Mini
98764	7	—	Battery cap, screw set for Digital Caliper 150 - 300 mm
98765	4	—	Depth probe holding plate, screw set for Digital Caliper 150, 200 mm
98766	1	—	Depth probe holding plate, screw set for Digital Caliper 300 mm
98767	8	—	Stopper knob for Digital Caliper 150 - 300 mm
98774	6	—	Digital part replacement for Digital Caliper Mini *
98768	5	—	Digital part replacement for Digital Caliper 150 mm *
98769	2	—	Digital part replacement for Digital Caliper 200 mm *
98770	8	—	Digital part replacement for Digital Caliper 300 mm *

*Please ask about digital unit replacement service

Digital Caliper Carbon Fiber Body 100 mm



Item Code	C. D.	Catalog Printing Page	Description
19323	9	60	Battery case for Digital Caliper Carbon Fiber Body 100 mm
19324	6	60/62	Battery case for Digital Caliper Carbon Fiber Body 100 mm and Digital Depth Gauge Mini 25 mm Metal Head

*Same part as the Digital Depth Gauge Mini 25mm Metal Probe Measurement Guide Set.

Digital Caliper Carbon Fiber Body Digital Depth Gauge with Hold Function Digital Depth Gauge Mini



Item Code	C. D.	Catalog Printing Page	Description
98755	5	—	Battery cap for Digital Vernier Caliper Carbon Fiber Body 100 mm
98756	2	62	Battery cap for Digital Vernier Caliper Carbon Fiber Body 150 mm and Digital Depth Gauge

Digital Depth Gauge Mini 25 mm Metal Head with Guide Attachment



Item Code	C. D.	Catalog Printing Page	Description
19320	8	62	Guide attachment for Digital Depth Gauge Mini 25 mm
19321	5	62	Metal cylindrical probe $\Phi 0.1$ mm for Digital Depth Gauge Mini 25 mm
19322	2	62	Metal needle probe for Digital Depth Gauge Mini 25 mm

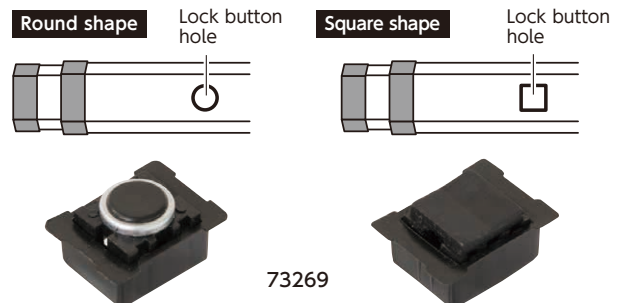
Holder MAG-LOCK for Tape Measure



Item Code	C. D.	Catalog Printing Page	Description
85634	9	66/67	Installation stopper for MAG-LOCK Holder

Telescopic Leveling Staff II

Please use the part that matches the shape of the lock button hole on the Telescopic Leveling Staff II.



Item Code	C. D.	Catalog Printing Page	Description
73269	8	73	Lock button for Telescopic Leveling Staff II

Digital Scale with Stand



Item Code	C. D.	Catalog Printing Page	Description
97217	9	92	AC adapter for Digital Scale with Stand 100 kg

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JAN code number is "4960910 + item code + C.D."

Scale

70131

Plate stopper screws for
200 g - 12 kg: 1 pair needed
20 kg - 30 kg: 2 pairs needed



70145

Item Code	C. D.	Catalog Printing Page	Description
70129	8	93	Plate flat type for Scale 2 kg - 12 kg
70143	4	93	Plastic cover for Scale 200 g - 1 kg
70144	1	93	Plastic cover for Scale 2 kg - 12 kg
70145	8	93	Plastic cover for Scale 20 kg
70146	5	93	Plastic cover for Scale 30 kg
70131	1	93	Plate fixing screw one pair (2 pc-set) for Scale 200 g - 30 kg

Blue Level Pro 2/Basic/Jr. 2

98931



98932



98930



Item Code	C. D.	Catalog Printing Page	Description
98931	3	97/98	Vial cover for Blue Level Pro 2
98930	6	99	Vial cover for Blue Level Basic
98932	0	100/101	Vial cover for Blue Level Jr. 2

Blue Level Pro 2 Digital



Vial cover *1
98931

95317



95318

Item Code	C. D.	Catalog Printing Page	Description
95317	8	98	Digital part replacement for Blue Level Pro 2 Digital *2
95318	5	98	Battery cap, screw set for Blue Level Pro 2 Digital

*1 Can also be used for Blue Level Pro 2

*2 Please ask about digital unit replacement service

Mini Level Revo



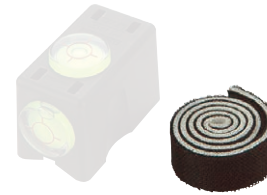
76071



76068

Item Code	C. D.	Catalog Printing Page	Description
76071	4	105	Band for Mini Level Revo Clip Model for Pole
76068	4	105	Clip for Mini Level Revo for Pole

Mini Level



84267

Item Code	C. D.	Catalog Printing Page	Description
84267	0	—	Band for Mini Level H

Slope Level

47049

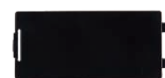


Item Code	C. D.	Catalog Printing Page	Description
47049	1	107	Vial cover for Slope Level

Blue Level Digital



46967



98925

Item Code	C. D.	Catalog Printing Page	Description
46967	9	—	Digital part replacement for Blue Level Digital *
98925	2	—	Battery cap for Blue Level Digital

*Please ask about digital unit replacement service

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JAN code number is "4960910 + item code + C.D."

Parts List
Japan Calibration Service System (JCSS)
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Parts List
Japan Calibration Service System (JCSS)
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Index Description

Laser ROBO

Level adjustment tripod adapter



76768

Emitting port protective cap



80826

Rotating table



80847

Battery storage cap



80802



80801

Handle



80733

Toe



80781

Aluminum case



82228



82235

Receiver holder



76659

AC adapter



76791

Item Code	C. D.	Catalog Printing Page	Description
76768	3	114~	Level adjustment tripod adapter for Laser ROBO Neo, E Sensor, X line and LEXIA
80826	3	114	Emitting port protective cap for Laser ROBO X line
80847	8	119~	Rotating table for Laser ROBO LEXIA
80802	7	114	Battery storage cap for Laser ROBO X line Green
80801	0	114	Battery storage cap for Laser ROBO X line Red
80713	6	125	Battery storage cap for Laser ROBO Green Neo AR BRIGHT
80732	7	125	Battery storage cap for Laser ROBO Neo AR BRIGHT
80773	0	126	Battery storage cap for Laser ROBO Green Neo BRIGHT
81210	9	126	Battery storage cap for Laser ROBO Neo BRIGHT
80846	1	132	Battery storage cap for Laser ROBO Unevenness Checker
80733	4	116~	Handle for Laser ROBO Neo AR and LEXIA AR
67823	1	116~	Handle for Laser ROBO Neo BRIGHT, E Sensor, Unevenness Checker, LEXIA
80781	5	114~	Toe for Laser ROBO Neo, E Sensor, X line, Unevenness Checker and LEXIA
82228	3	114	Aluminum case for Laser ROBO X line
82235	1	116~	Aluminum case for Laser ROBO Neo, E Sensor, and E Sensor, Unevenness Checker and LEXIA
76659	4	127	Holder for Laser Receiver, model II and Plus
76801	7	119~	Charging adapter USB type-C for Laser ROBO LEXIA
76791	1	114~	AC adapter for Laser ROBO Green, E Sensor and X line

Laser Holder



Item Code	C. D.	Catalog Printing Page	Description of Product
97905	5	131	Fixing screw for Laser Holder
97906	2	131	Aluminum nut large for Laser Holder
97907	9	131	Aluminum nut small for Laser Holder

Auto Level

73844

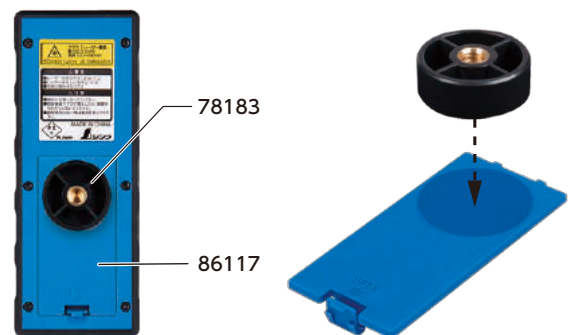


46804



Item Code	C. D.	Catalog Printing Page	Description
73844	7	132	Storage case for Auto Level SA-24A and 28A
46804	7	132	Protective cap for Auto Level SA-24A and 28A

Laser Range Finder with Large Display L-Measure BK 30



Item Code	C. D.	Catalog Printing Page	Description
78183	2	133	Tripod adapter for Laser Range Finder with Large Display L-Measure BK 30
86117	6	133	Battery lid for Laser Range Finder L-Measure BK 30

Please be aware that we will no longer provide components for discontinued products once the inventory runs out after discontinuation (however, this is limited to three years after discontinuation)

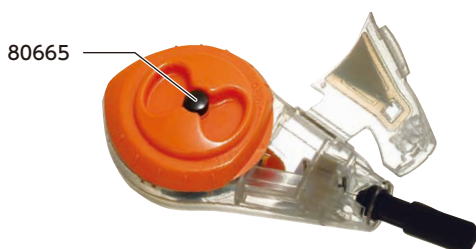
JAN code number is "4960910 + item code + C.D."

Tripod



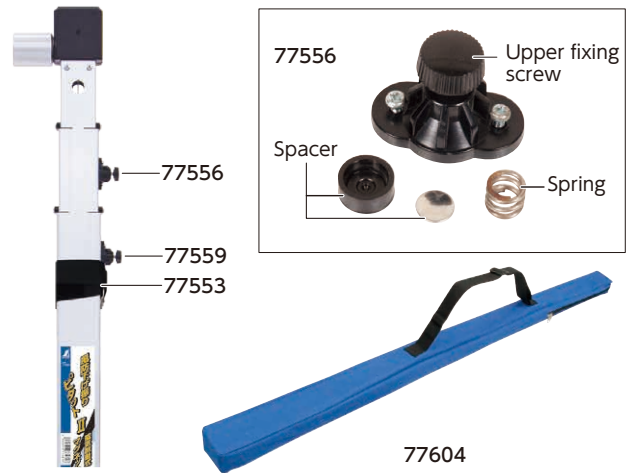
Item Code	C. D.	Catalog Printing Page	Description
83701	0	135	Handle for Tripod with Handle A
81570	4	135	Stopper screw for Tripod with Handle A
81856	9	135	Carrying case for Tripod with Handle A
97531	6	135	Adjustment core for Tripod Spherical Head
97533	0	135	Stopper screw on adjustment core rail for Tripod Spherical Head

Handy Chalk Line Neo



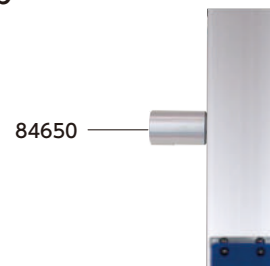
Item Code	C. D.	Catalog Printing Page	Description
80665	8	142	Screw for Handy Chalk Line Neo

Wind-resistant Plumb



Item Code	C. D.	Catalog Printing Page	Description
77553	4	146	Rubber band for Wind-resistant Plumb
77556	5	146	Upper fixing screw, spacer, spring set for Wind-resistant Plumb
77559	6	146	Lower fixing screw, spacer, spring set for Wind-resistant Plumb
77604	3	146	Carrying case for Wind-resistant Plumb

Dial Plumb



Item Code	C. D.	Catalog Printing Page	Description
84650	0	146	Sliding arm for Dial Plumb

Circular Saw Guide L-Angle Series Handle



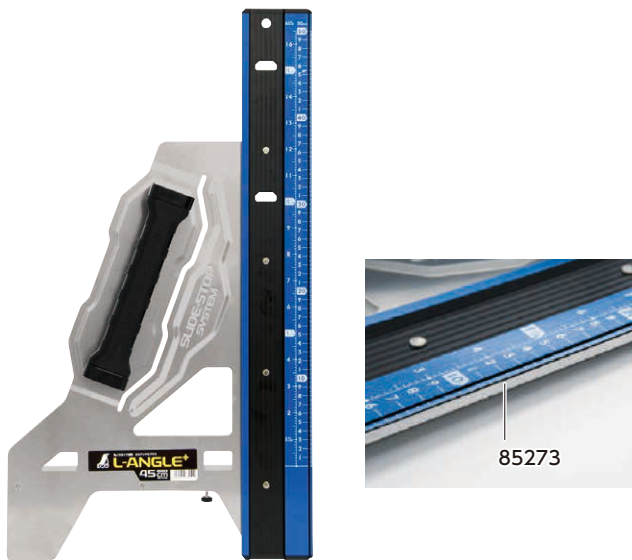
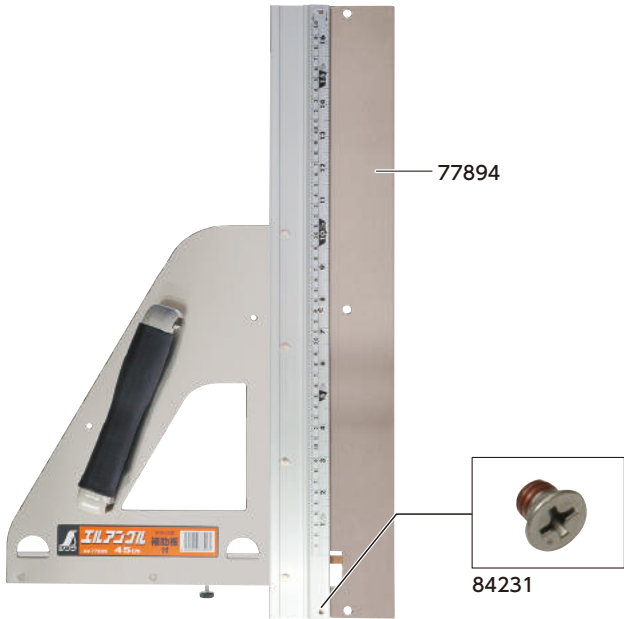
Item Code	C. D.	Catalog Printing Page	Description
99608	3	161,162	Handle for L-Angle with Support Plate, with Horizontal Graduations, and for Left Hand
93310	1	157~	Handle non-slip rubber, screw set for L-Angle Plus
93308	8	160	Handle, screw set for Circular Saw Guide L-Angle Foldable

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JAN code number is "4960910 + item code + C.D."

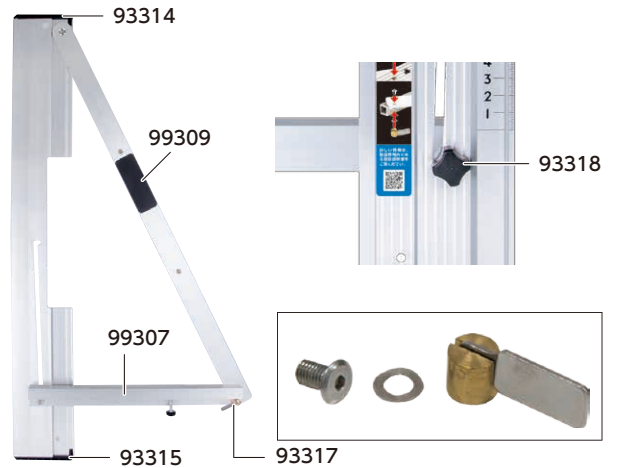
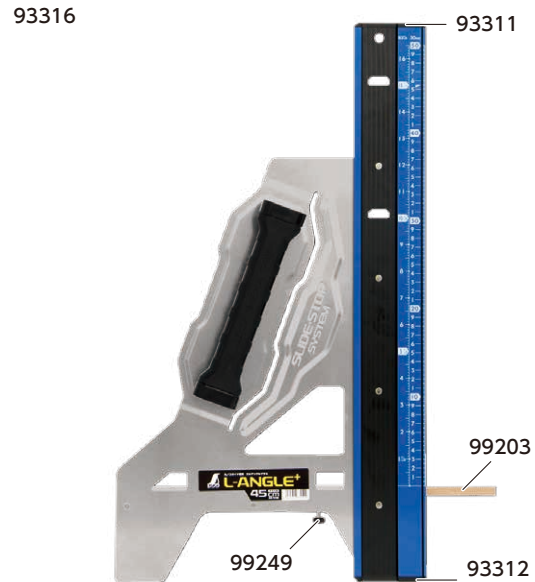
Parts List
Japan Calibration Service System (JCSS)
Etching
Sheet Heaters
Custom-Made Items
Name Printing
Index Description
Index Description

Circular Saw Guide L-Angle Series
Support plate/Stainless steel plate



Item Code	C. D.	Catalog Printing Page	Description
77894	8	161	Support plate for L-Angle with Support Plate 45 cm
77884	9	161	Support plate for L-Angle with Support Plate 60 cm
77893	1	161	Support plate for L-Angle with Support Plate 1 m
84231	1	161	Support plate installing screw for L-Angle with Support Plate
80908	6	163	Stainless steel plate for L-Angle Fit 15 cm
85273	0	158~	Stainless steel plate for L-Angle Foldable 45 cm, EX 45 cm and Plus 45 cm
73877	5	158~	Stainless steel plate for L-Angle Plus 60 cm
84287	8	158~	Stainless steel plate for L-Angle Foldable 1 m and Plus 1 m

Circular Saw Guide L-Angle Series
Others



Item Code	C. D.	Catalog Printing Page	Description
99249	8	157~	Cutout positioning stick fixing screw for L-Angle Foldable, Plus, with Support Plate, with Horizontal Graduations, and for Left-hander
93316	3	157	Adjustment knob, movable pin, indicator, washer set for L-Angle Plus Shift
93401	6	158	Fine adjustment screw set for L-Angle Plus Adjust
99203	0	157~	Cutout positioning stick for Mini Free Angle Justy II and L-Angle Plus
93311	8	157~	Upper protective cap for L-Angle Plus Series
93312	5	157~	Lower protective cap for L-Angle Plus Series
93307	1	160	Stopper replacement for Circular Saw Guide L-Angle Foldable
93309	5	160	Non-slip rubber for Circular Saw Guide L-Angle
93314	9	160	Upper protective cap for Circular Saw Guide L-Angle Foldable
93315	6	160	Lower protective cap for Circular Saw Guide L-Angle Foldable
93317	0	160	Battledore screw, hexagon socket head screw, metal washer set for Circular Saw Guide L-Angle Foldable
93318	7	160	Adjustment knob, metal washer set for Circular Saw Guide L-Angle Foldable

*Non-slip rubber triangle for Mini Free Angle II, L-Angle EX is listed under "Free Angle Series" (p. 250).

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Circular Saw Guide T-Slide Series



47358
T-Slide II
T-Slide Double
T-Slide Slim-shift



47386
T-Slide Slim-shift



47359
T-Slide II
T-Slide Double



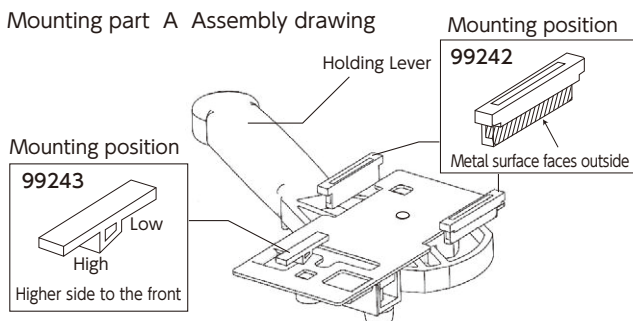
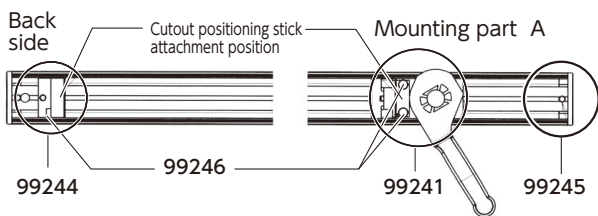
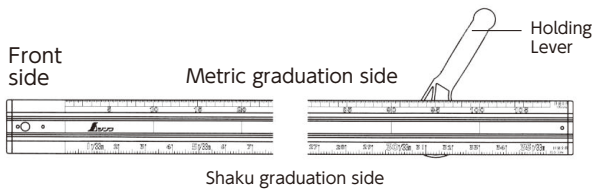
47364
T-Slide II



47365
T-Slide Double

Item Code	C. D.	Catalog Printing Page	Description
47358	4	164~	Guide stabilization metal fitting for T-Slide II, Double and Slim-shift
47359	1	165/166	Mounting position adjustment screw for T-slide II and Double
47364	5	165	Slider for T-Slide II
47365	2	166	Slider for T-Slide Double
47386	7	164	Mounting position adjustment screw for T-Slide Slim-shift

Circular Saw Guide I-Clamp One-touch



Item Code	C. D.	Catalog Printing Page	Description
99246	7	166	Cutout positioning stick fixing screw for I-Clamp One-touch
99241	2	166	Mounting part A for I-Clamp One-touch
99244	3	166	Mounting part B, screw set for I-Clamp One-touch
99243	6	166	Wedge for I-Clamp One-touch
99242	9	166/168	Spreading plate 2 pc-set for I-Clamp One-touch and Free Angle One-touch
99245	0	166	Edge cap, screw set for I-Clamp One-touch

Circular Saw Guide Free Angle Series



85959
Mini Free Angle II
Mini Free Angle Justy II
Free Angle Neo



99604
Mini Free Angle
Quick Adjust
Mini Free Angle
Justy Quick Adjust



99602
Free Angle One-touch
Free Angle Multi



99251
Mini Free Angle Justy
Free Angle Series



78237

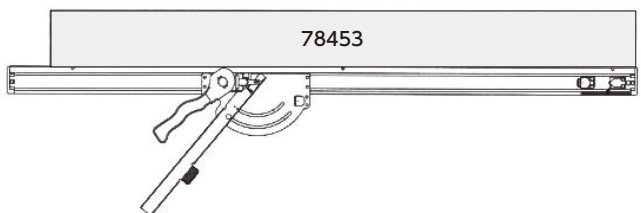


83464

Item Code	C. D.	Catalog Printing Page	Description
85959	3	167/168	Stopper screw, bolt, metal washer set for Mini Free Angle II, Justy II and Neo
99604	5	168	Stopper screw, bolt, metal washer set for Mini Free Angle Quick Adjust and Justy Quick Adjust
99602	1	167/168	Stopper screw, bolt, metal washer set for Free Angle One-touch and Multi
99251	1	167/168	Thin stopper screw, bolt, metal washer set for Mini Free Angle Justy and Free Angle
78237	2	167	Aluminum guide fixing screw for Free Angle Multi
99605	2	168	Cutout positioning stick fixing screw for Mini Free Angle II and Justy II
47234	1	167	Cutout positioning stick for Free Angle Neo 30 cm - 45 cm
99232	0	168	Cutout positioning stick for Mini Free Angle II
83464	4	168	Non-slip rubber triangle for Mini Free Angle II, L-Angle EX

*Cutout positioning stick for Mini Free Angle Justy II, Foldable, and L-Angle Plus is listed under "L-Angle Series Others" (p. 249).

Circular Saw Guide Free Angle One-touch



Item Code	C. D.	Catalog Printing Page	Description
78453	6	168	Assist plate, screw set for Free Angle One-touch 1.2 m

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JAN code number is "4960910 + item code + C.D."

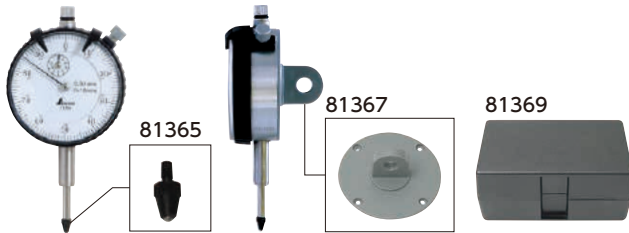
Parts List
Japan Calibration Service System (JCSS)
Etching
Sheet Heaters
Custom-Made Items
Name Printing
Index Item Code Description
Index Item Code Description

Digital Moisture Meter for Wood



Item Code	C. D.	Catalog Printing Page	Description
96061	9	174	Needle pin 2 pc-pack for Digital Moisture Meter for Wood

Dial Gauge



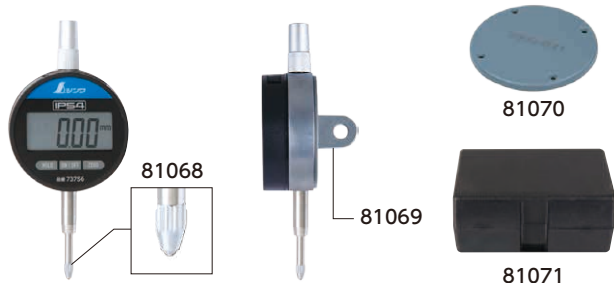
Item Code	C. D.	Catalog Printing Page	Description
81365	6	184	Gauge head for Dial Gauge
81367	0	184	Back cover with lug for Dial Gauge
81369	4	184	Plastic case for Dial Gauge

Dial Indicator



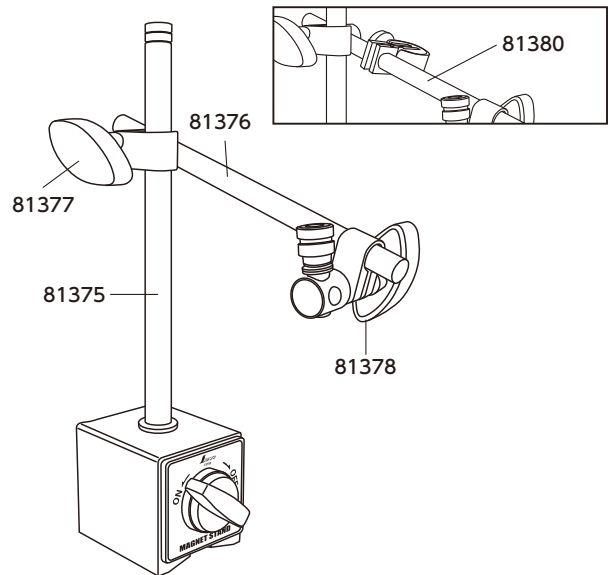
Item Code	C. D.	Catalog Printing Page	Description
81370	0	184	Stem $\phi 6$ for Dial Indicator
81371	7	184	Stem $\phi 8$ for Dial Indicator
81373	1	184	Gauge head for Dial Indicator
81374	8	184	Plastic case for Dial Indicator

Digital Indicator



Item Code	C. D.	Catalog Printing Page	Description
81070	9	184	Back cover for Digital Indicator 0.01 mm/12.7 mm
81069	3	184	Back cover with lug for Digital Indicator 0.01 mm/12.7 mm
81068	6	184	Gauge head for Digital Indicator 0.01 mm/12.7 mm
81071	6	184	Plastic case for Digital Indicator 0.01 mm/12.7 mm

Magnetic Stand



Item Code	C. D.	Catalog Printing Page	Description
81375	5	185	Post for Magnetic Stand A and A-2
81376	2	185	Arm for Stand for Magnetic Stand A Standard
81380	9	185	Arm for Magnetic Stand A-2 Fine Adjustment
81377	9	185	Stopper screws complete set with knobs for Magnetic Stand A and A-2
81378	6	185	Gauge installation complete set for Magnetic Stand A and A-2

Large Inspection Mirror



Item Code	C. D.	Catalog Printing Page	Description
84116	1	185	Mirror with frame for Large Inspection Mirror C-1
84117	8	185	Mirror with frame for Large Inspection Mirror C-2

Inspection Mirror



Item Code	C. D.	Catalog Printing Page	Description
84171	0	186	Mirror with frame for Inspection Mirror A-1 and D-1
78946	3	186	Mirror with frame for Inspection Mirror A-2 and D-2
70720	7	186	Mirror with frame for Inspection Mirror A-3 and D-3
84159	8	186	Mirror with frame for Inspection Mirror A-4 and D-4
84160	4	186	Mirror with frame for Magnifying Mirror B-1
84161	1	186	Mirror with frame for Magnifying Mirror B-2
84162	8	186	Mirror with frame for Magnifying Mirror B-3
80941	3	186	Joint for Inspection Mirror A, D, Magnifying Mirror

Please be aware that we will no longer provide components for discontinued products once the inventory runs out after discontinuation (however, this is limited to three years after discontinuation)

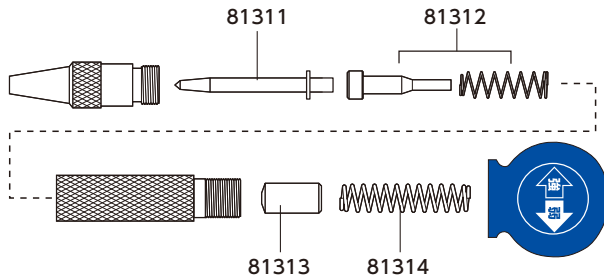
JAN code number is "4960910 + item code + C.D."

Inspection Scope D



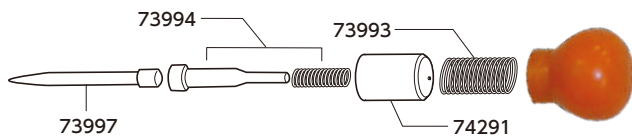
Item Code	C. D.	Catalog Printing Page	Description
74186	7	187	Camera tip tool for Inspection Scope D φ5.2 Portable

Auto Punch with Flat Grip to Prevent Rolling



Item Code	C. D.	Catalog Printing Page	Description
81311	3	188	Tip with superhard chip for Auto Punch M with Flat Grip to Prevent Rolling
81312	0	188	Front spring with guide pin for Auto Punch M with Flat Grip to Prevent Rolling
81313	7	188	Hammer pin for Auto Punch M with Flat Grip to Prevent Rolling
81314	4	188	Rear spring for Auto Punch M with Flat Grip to Prevent Rolling
81315	1	188	Tip with superhard chip for Auto Punch L with Flat Grip to Prevent Rolling
81316	8	188	Front spring with guide pin for Auto Punch L with Flat Grip to Prevent Rolling
81317	5	188	Hammer pin for Auto Punch L with Flat Grip to Prevent Rolling
81318	2	188	Rear spring for Auto Punch L with Flat Grip to Prevent Rolling

Auto Punch



Item Code	C. D.	Catalog Printing Page	Description
73997	0	188	Tip with superhard chip for Auto Punch M
73994	9	188	Front spring and guide pin set for Auto Punch M
74291	8	188	Hammer pin for Auto Punch M
73993	2	188	Rear spring for Auto Punch M
73992	5	188	Tip with superhard chip for Auto Punch L
73996	3	188	Front spring and guide pin set for Auto Punch L
85773	5	188	Hammer pin for Auto Punch L
73995	6	188	Rear spring for Auto Punch L

Suction Lifter



Item Code	C. D.	Catalog Printing Page	Description
81623	7	189	Stopper for Suction Lifter Double A and Single B

Psychrometer

46845



Item Code	C. D.	Catalog Printing Page	Description
46845	0	193	Water tank for Psychrometer E-2

Digital Thermometer

73047
Cord length: 3 m



Item Code	C. D.	Catalog Printing Page	Description
73047	2	203	Sensor probe for Digital Thermometer G

Stick Thermometer

73001

73002

73003



Item Code	C. D.	Catalog Printing Page	Description
73001	4	—	Case for Stick Thermometer 15 cm
73002	1	—	Case for Stick Thermometer 30 cm
73003	8	—	Clear Case for Stick Thermometer H-3 30 cm

Drawing Divider

74458



Item Code	C. D.	Catalog Printing Page	Description
74458	5	227	Replacement lead for Drawing Divider

Pantagraph

80779



Item Code	C. D.	Catalog Printing Page	Description
80779	2	227/228	Replacement lead for Pantagraph

Hand Magnet

84297



Item Code	C. D.	Catalog Printing Page	Description
84297	7	234	Handle and screws set for Hand Magnet B-2

Please be aware that we will no longer provide components for discontinued products once the inventory runs out after discontinuation (however, this is limited to three years after discontinuation)

■ Japan Calibration Service System (JCSS)

What is JCSS (Japan Calibration Service System)?

JCSS consists of the National Standards Provision System and the Calibration Laboratory Accreditation System introduced by the revised Measurement Law that was enforced. Calibration laboratories are assessed and accredited for their technological capabilities and traceability by the National Institute of Technology and Evaluation (NITE) to meet the requirements of certified international standard, ISO/IEC 17025.

What is MRA?

MRA (Mutual Recognition Arrangement) is an international agreement by which two or more countries agree to recognize one another's traceability system. JCSS signed an MRA with APLAC (Asia Pacific Laboratory Accreditation Cooperation), and signed an MRA with ILAC (International Laboratory Accreditation Cooperation). JCSS has been accepted as an accreditation operator conforming to international criteria.

JCSS Calibration Service (Stainless Steel Rule, Steel Tape Measure, Vernier Caliper, Micrometer)

The Quality Assurance Department at Shinwa Rules Co., Ltd. was registered as a registered calibration laboratory in the "length" field in February 2001 and accredited as an MRA conforming JCSS laboratory in November 2013. Under this program, we are able to issue a JCSS calibration certificate with an MRA accreditation symbol. This certificate is internationally accepted to conform to one of the MRA signatory countries.

Contents of Business

Shinwa Rules Co., Ltd. Quality Assurance Department Registration number 0092

Item / Scope of Service	Maximum Measurement Capability (Minimum Uncertainty of Measurement*)	Remark
Stainless Steel Rule Up to 1,000 mm	0.02 mm	Calibrated by Working Standard Calibratable graduation is 50 mm pitch
Stainless Steel Rule (The base point on the edge) Up to 1,000 mm	0.02 mm	
Stainless Steel Rule from 1,000 mm up to 2,000 mm	0.05 mm	
Stainless Steel Rule (The base point on the edge) from 1,000 mm up to 2,000 mm	0.06 mm	
Stainless Steel Rule (Precision type) Up to 1,000 mm	11 μm	Calibrated by Laboratory Reference Standard (Our highest rank gauge) Calibratable graduation is 100 mm pitch
Steel Tape Measure Up to 100 m	Up to 5 m: 0.08 mm More than 5 m up to 100 m: 0.08 mm added to the above value in every 5 m increase	Limited to tensile strength of more than 10 N up to 100 N Compact tape measures (with a hook and auto roll up function) are not included. Calibratable graduation is 1 m pitch
Vernier Caliper Up to 300mm	Scale Interval 0.10 mm	Calibratable graduation is 20, 50, 100, 150, 200, 250, 300 mm **"Depth probe zero point deviation" is not applicable
	Scale Interval 0.05 mm	
	Scale Interval 0.02 mm	
	Scale Interval 0.01 mm	
Outside Micrometer Up to 50 mm	3 μm	Combination of 16-piece set of gauge blocks from 1 - 50 mm

*Uncertainty is based on the assumption that the absolute true value cannot be known, so variation etc. is comprehensively evaluated, and the value is statistically estimated to be within the range thought to include the true value.

Measuring Point

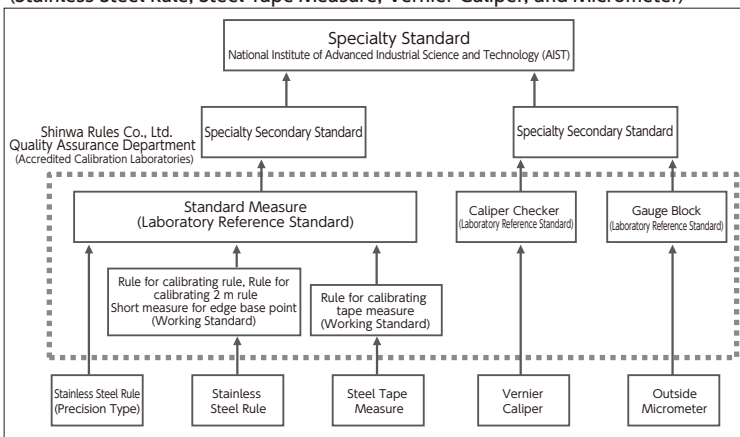
Applicable Calibration		Measuring Point	Additional Measuring Point
Stainless Steel Rule	Up to 2,000 mm	Basic 4 points are at 100 mm and the entire length on the upper and lower graduations. For 100 mm rules, they are at 50 mm and 100 mm on the upper and lower graduations. Please inquire about rules with only one side graduations or ones with graduations on both faces.	Measuring point can be added if requested, which will incur an extra charge to the package price. (Please see the next page for details.)
Stainless Steel Rule (Precision Type)	Up to 1,000 mm	1 point at every 100 mm (one side graduation) 10 points for 1,000 mm rules	
Steel Tape Measure	Up to 5 m	1 point per 1 m. 5 points for the total length of 5 m.	
	From 5 m - 20 m	1 point per 1 m up to 5 m, 1 point per 5 m for 5 m or more For the total length of 20 m, total 8 points at 1,2,3,4,5,10,15,20 m	
	From 20 m - 50 m	1 point per 1 m up to 5 m, 1 point per 5 m for 5 m or more For the total length of 50 m, total 14 points at 1,2,3,4,5,10,15,20...45, 50 m	
	From 50 m - 100 m	Set package is not available. Please specify your requirements.	Since there is no set package available, please inquire for an quote.
Vernier Caliper	70 mm	4 points at 20 mm and 50 mm for inside and outside	Measuring points can be added if requested, which will incur an extra charge to the package price. (Please see the next page for details.)
	100 mm	6 points at 20 mm, 50 mm, and 100 mm for inside and outside	
	150 mm	6 points at 50 mm, 100 mm, and 150 mm for inside and outside	
	200 mm	6 points at 50 mm, 100 mm, and 200 mm for inside and outside	
300 mm	6 points at 100 mm, 200 mm, and 300 mm for inside and outside		
Micrometer	0 - 25 mm	Total 3 points at 1.25, 11.5, 25 mm	
	25 - 50 mm	Total 3 points at 25.25, 36.5, 50 mm	

JCSS Calibration Certificate



*Conformity is not mentioned.

Traceability System Diagram (Stainless Steel Rule, Steel Tape Measure, Vernier Caliper, and Micrometer)



Calibration Service List

Received Products (JCSS Calibration Certificate only)

JCSS Calibration Certificate for Stainless Steel Rules

Item Code	C.D.	Description
19010	8	10 cm
19034	4	15 cm
19035	1	30 cm
19036	8	60 cm
19037	5	1 m
19075	7	1.5 m
19076	4	2 m
19044	3	Over 1 m under 2 m
19045	0	Under 1 m

*Other than our standard sizes, applies to rules "over 1 m and under 2 m". "1.5 m" and "2 m" are standard sizes.

JCSS Calibration Certificate for Precision Stainless Steel Rules

Item Code	C.D.	Description
83702	7	30 cm
83802	4	60 cm
83502	3	1 m

JCSS Calibration Certificate for Steel Tape Measures

Item Code	C.D.	Description
19039	9	under 5 m
19047	4	Over 5 m under 20 m
19048	1	Over 20 m under 50 m
19049	8	Over 50 m under 100 m

JCSS Calibration Certificate for Vernier Calipers

Item Code	C.D.	Description
19060	3	70 mm
19061	0	100 mm
19056	6	150 mm
19057	3	200 mm
19058	0	300 mm

JCSS Calibration Certificate for Micrometers

Item Code	C.D.	Description
19082	5	0 - 25 mm
19083	2	25 - 50 mm

Manufactured Products with Certificate (Product and JCSS Calibration Certificate)

Stainless Steel Rule Hard Chrome Finish *Refer to P32

Item Code	C.D.	Description
19014	6	15 cm
19015	3	30 cm
19016	0	60 cm
19017	7	1 m
19063	4	1.5 m
19064	1	2 m

Stainless Steel Pickup Rule Hard Chrome Finish *Refer to P32

Item Code	C.D.	Description
19012	2	10 cm
19022	1	15 cm
19023	8	30 cm
19024	5	60 cm
19025	2	1 m

Stainless Steel Rule Polish Finish *Refer to P32

Item Code	C.D.	Description
19018	4	15 cm
19019	1	30 cm
19020	7	60 cm
19021	4	1 m
19065	8	1.5 m
19066	5	2 m

Stainless Steel Rule Hard Chrome Finish with Magnet *Refer to P33

Item Code	C.D.	Description
81741	8	15 cm
80288	9	30 cm
82826	1	60 cm
83249	7	1 m

Flexible Stainless Steel Rule Hard Chrome Finish *Refer to P33

Item Code	C.D.	Description
19026	9	30 cm
19027	6	60 cm
19028	3	1 m
19067	2	1.5 m
19068	9	2 m

Stainless Steel Rule Hard Chrome Finish 1 mm Dividing *Made-to-order *Refer to P34

Item Code	C.D.	Description
47032	3	15 cm
81838	5	30 cm
81476	9	60 cm
50027	3	1 m

Vernier Caliper *Refer to P56 - 57

Item Code	C.D.	Description
19054	2	Mini 70 mm
19055	9	Mini 100 mm
19051	1	150 mm
19052	8	200 mm
19053	5	300 mm

Digital Caliper **NEW** *Refer to P58

Item Code	C.D.	Description
19090	0	Mini 2 100 mm
19091	7	2 150 mm
19092	4	2 200 mm
19093	1	2 300 mm

Digital Caliper with Solar Panel *Refer to P60

Item Code	C.D.	Description
47293	8	150 mm
81484	4	200 mm

*Only stainless steel body products are calibratable for vernier calipers. (Except for item number 19518 Pocket Vernier Caliper)

Micrometer *Refer to P63

Item Code	C.D.	Description
19080	1	0 - 25 mm
19081	8	25 - 50 mm

Digital Micrometer *Refer to P63

Item Code	C.D.	Description
19088	7	0 - 25 mm

Additional Measuring Point (Optional)

The above prices are listed for calibration with basic measuring points. Added measuring points will incur an extra charge.

Item Code	C.D.	Description
84058	4	1 additional measuring point

Calibration Certificate Reissue (Within three years from the date of issue)

A reissue fee will be charged for an additional certificate requested. There will be no fee for reissuing a copy of a JCSS accession certificate.

Item Code	C.D.	Description
96106	7	Reissue of JCSS Calibration Certificate, Private Examination Result

*Customer's name and address are required to issue a JCSS calibration certificate. Please let us know with your order.

*Calibration certificate and traceability system diagram comes with a product. If a JCSS accession certificate is required, please contact us.

*Please request calibration certificates for products other than the above through suppliers. We will provide a separate estimate (it will be for a general calibration certificate, not a JCSS calibration certificate).

JAN code number is "4960910 + item code + C.D."

Parts List
Japan Calibration Service System (JCSS)
Etching
Sheet Heaters
Custom-Made Items
Name Printing
Index Description
Index Description

Etching

What is Etching?

Etching is an application of a photomechanical process technique and a process of grooving, engraving, and drilling by chemical treatment on the surface of metals, such as stainless steel, iron, and copper. It enables us to process a variety of precision parts or ornaments to match a customer's needs.

Features

- | | |
|--|--|
| <p>1 Fine Processing
Enables fine processing which pressing can not create</p> <p>2 Finishing
No burrs, residual strain, or work hardening</p> <p>3 Various Designs
Various designs are possible utilizing the contrast between the metal surface and etched concave texture.</p> | <p>4 Low Cost
Provides low initial cost without using molds or jigs unlike pressing</p> <p>5 Early Delivery Date
Enables the process of multiple pieces at the same time</p> |
|--|--|

Main Usage Examples

- Filter
- Mesh or perforated plate
- Metal ornament items
- Sales promotion (Clip/Bookmark)
- Spacer, shim plate
- Art and craft work, ornament
- Name plate, name tag, sign, etc.

Through etching

Half etching
(Concave satin)



For etching please contact

Shinwa Rules Co., Ltd. FE Department
3485 Koike, Tsubame-shi, Niigata-ken, Japan Postal code 959-1276

TEL. +81-256-63-8521
FAX. +81-256-61-1114

Sheet Heaters

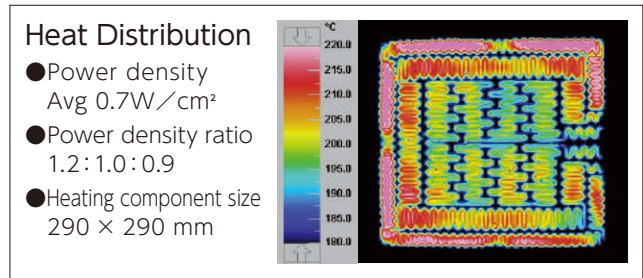
What is a Sheet Heater?

This is a thin sheet-like heater which generates heat by running electricity through a metal foil. It is very thin and flexible, which makes it ideal for heating a curved surface or narrow space. Since the circuit is formed by etching, it's easy to achieve heat distribution as intended by the designer. All products except for standard products are designed and manufactured to order in a form that meets your needs.

Features

- 1 Free Shape**
Making a circuit by etching enables design and manufacture in any required shapes
- 2 Thin**
The minimum thickness of approximately 0.08 mm makes it ideal for weight-saving and simplifying a machine
- 3 Flexible**
The flexibility allows it to be attached to a curved surface

- 4 Changeable Heat Distribution**
Because the distribution and shape of the heater circuit can be changed, calorific value can be uniform or partially changed
- 5 Quick Start**
The shape and small heat capacity help it to heat up quickly



Polyester heater

- Heater heat-resistant temperature: 80°C
- Maximum manufacturable dimensions: 450 × 1,450 mm
- Has high insulation and durability as both sides of the electric resistor are laminated with polyester (PET) film. As it is thin and flexible, it can be mounted on a small space or curved surface such as a pipe.



Polyimide heater

- Heater heat-resistant temperature: 100 - 250°C
- Maximum manufacturable dimensions: 450 × 1,450 mm*1
- Has a higher heat resistance temperature than a polyester heater since insulating material is polyimide. Thin and flexible so it can be mounted on a small space or curved surface such as a pipe.



*1 Please contact us for details as the dimensions that can be manufactured vary depending on usage temperature.

Single foil heater with backing

- Metal thin foil heat resistance temperature: 700°C*2
- Maximum manufacturable dimensions: 450 × 1,450 mm
- A metal thin foil single heater intended for high temperature use. Its low adhesive backing film gives it excellent processability when mounting on mica or ceramics.

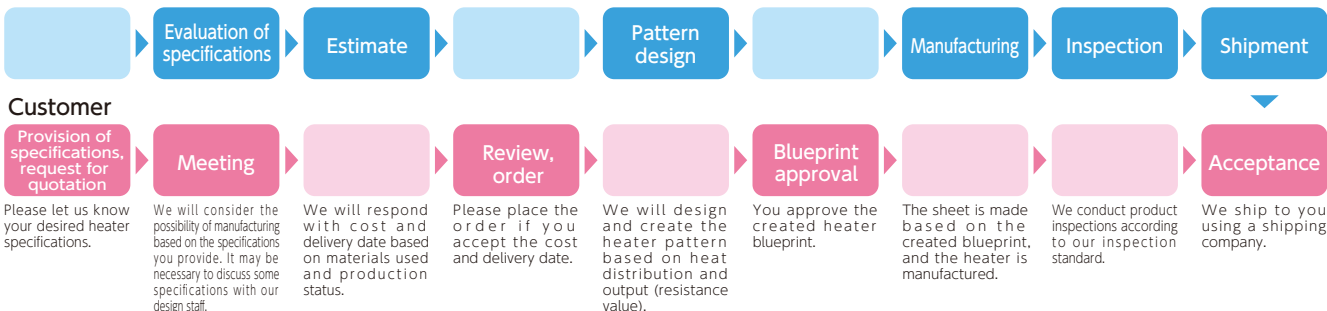


*2 Insulation material is required separately. Please consult with us as the heat resistance temperature of the heater changes depending on the type of insulation material.

From Estimate to Delivery

Our sheet heaters are all made to order (except for standard products). After receiving your desired heater specifications, we will design and manufacture based on those specifications.

Shinwa Rules Co., Ltd.



For sheet heaters please contact	Shinwa Rules Co., Ltd. FE Department 3485 Koike, Tsubame-shi, Niigata-ken, Japan Postal code 959-1276 www.shinwasokutei.co.jp/menpatsu1	TEL. +81-256-63-8521 FAX. +81-256-61-1114
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Custom-made Items

We produce custom-made items, such as stainless steel rules, carpenter's squares, special scales, etc., based on requested sizes and graduations. Please feel free to contact us about quantity, delivery date, price and more.

Stainless Steel Rules

Production Examples

- Stainless Steel Rule 15 cm Gold Finish



- Stainless Steel Rule 15 cm One Side Graduation



- Special Vertical Graduation



- Other Stainless Steel Rules Special Scales



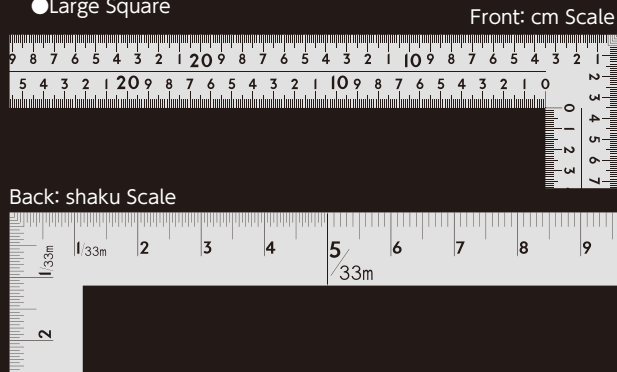
Manufacturing Range

	Hard Chrome Finish	Polish Finish	Gold Finish
Thickness	0.5 - 4.0 mm		
Length	20 - 3,000 mm [Up to 2,000 mm length for items with less than 1.0 mm thickness]	20 - 6,000 mm [Up to 2,000 mm length for items with less than 1.0 mm thickness]	20 - 600 mm
Width	10 - 70 mm		

Carpenter's Squares

Production Examples

- Large Square



We produce custom-made carpenter's squares as well with your size request (length, thickness). Because the manufacturing range has to be considered, please contact us for details.

Left-handed model, slope carpenter's square, inch graduation model are also available

Custom-made items of large carpenter's squares are also available

Manufacturing Range

	Hard Chrome Finish	Polish Finish
Thickness	2 - 4 mm	
Length	Long Branch	2,000 mm
	Short Branch	800 mm

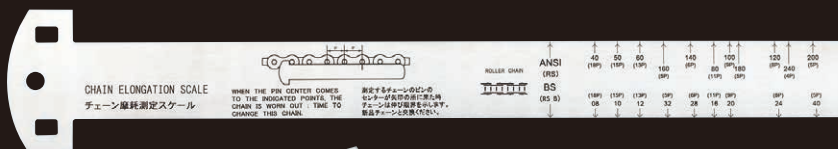
Other Items

Production Examples

- Camera Scale



- Chain friction measuring scale



- Special scale L-shape type



Please contact us for other items, such as artifact measuring gauges, custom-made protractors, main scale of height gauges, computer scales, etc. The graduation printing can be done by an etching treatment or screen printing. Screen printing can be applied to any materials other than stainless steel such as aluminum.

Inch graduation models can not be manufactured or sold for the domestic market, which manufactures based on the metric system. Items for export will be made based on applicable graduations for each destination.

<Note> Forms and molds of custom-made items will be discarded after **three years** from the last order.

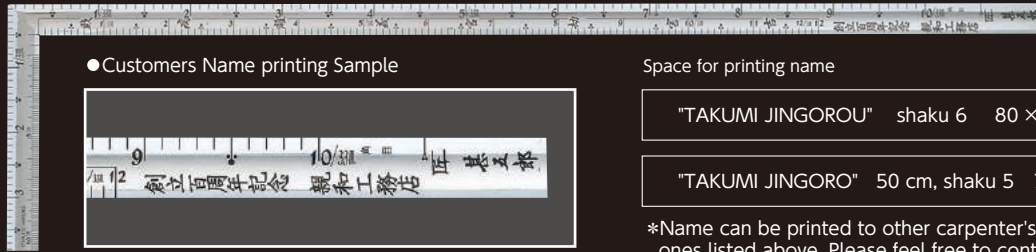
■ Name Printing

Perfect for business gifts or personal gifts

Types of name printing Etching Treatment Silkscreen Printing Sticker

Carpenter's Square Etching Treatment

■ Production Examples



Space for printing name

"TAKUMI JINGOROU" shaku 6 80 × 7 mm

"TAKUMI JINGORO" 50 cm, shaku 5 70 × 7 mm

*Name can be printed to other carpenter's squares besides the ones listed above. Please feel free to contact us.

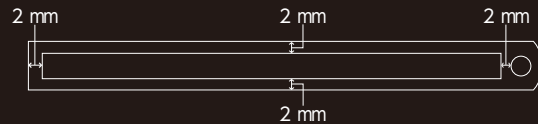
Stainless Steel Rule Etching Treatment or Silkscreen Printing

■ Production Examples

● Customers Name printing Sample



Space for printing name



*Name can be printed on sizes from 10 cm up to 1 m as long as it is located 2 mm away from each edge.

Tape Measure Sticker

■ Production Examples

● Customers Name printing Sample



High-touch series
Space for printing name
2 m ϕ 36.5 mm
3.5 m ϕ 40 mm

● Customers Name printing Sample



Smart Gear series
Space for printing name
 ϕ 32 mm

*Name can be printed to other tape measures besides the ones listed above. Please feel free to contact us.

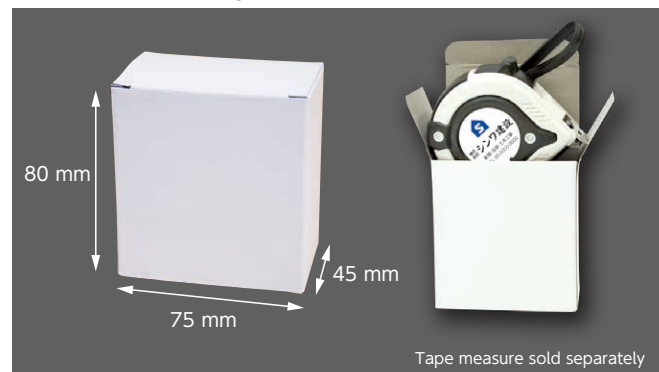
Name Printing on Other Products

Specified symbols or marks can be printed on other Shinwa products besides the ones listed above. Please feel free to contact us.



*May not be applicable to some products due to shape and other restrictions

Individual Paper Box



Tape measure sold separately

Item Code	Description	Packing Unit	JAN Code
67983	80 × 75 × 45 mm White	1	4 960910 679832

<Note> Forms of name printing products will be discarded after two years from the last order.

Parts List
Japan Calibration Service System (JCSS)
Etching
Sheet Heaters
Custom-Made Items
Name Printing
Index Item Code Description
Index Item Code Description

Item Code → Description Index

Our products are managed with a 5-digit product code, known as an "item code."
The item code is generally listed on the product or package.

10000~10999

Item Code	Description	Page
10007	Carpenter's Square Flat Hard Chrome Finish 15 cm HIRAPITA	17
10008	Carpenter's Square Flat Hard Chrome Finish 5 sun HIRAPITA	17
10011	Carpenter's Square Thick Corner Hard Chrome Finish 50 cm/1 shaku 5 sun NIHON ICHI	9
10012	Carpenter's Square Thick Corner Hard Chrome Finish 50 cm/1 shaku 6 sun NIHON ICHI	9
10014	Carpenter's Square Thick Corner Hard Chrome Finish with Square Scale 50 cm NIHON ICHI JIS	9
10016	Carpenter's Square Flat Hard Chrome Finish with Square Scale 50 cm HIRAPITA JIS	17
10027	Carpenter's Square Thick Corner Hard Chrome Finish 30 cm/1 shaku	9
10028	Carpenter's Square Thick Corner Hard Chrome Finish 1 shaku/30 cm	9
10030	Carpenter's Square Thick Corner Hard Chrome Finish 50 cm JIS	9
10032	Carpenter's Square Flat Hard Chrome Finish 50 cm HIRAPITA JIS	17
10033	Carpenter's Square Flat Hard Chrome Finish 50 cm/1 shaku 6 sun HIRAPITA	17
10034	Carpenter's Square Wide and Flexible Hard Chrome Finish 50 cm HIROPITA JIS	20
10035	Carpenter's Square Wide and Flexible Hard Chrome Finish 30 cm with 8 scales HIROPITA JIS	20
10036	Carpenter's Square Wide and Flexible Hard Chrome Finish 50 cm with 8 scales HIROPITA JIS	20
10037	Carpenter's Square Flat Hard Chrome Finish 15 cm/5 sun HIRAPITA	17
10038	Carpenter's Square Flat Hard Chrome Finish 5 sun/15 cm HIRAPITA	17
10044	Carpenter's Square Flat Hard Chrome Finish 50 cm/1 shaku 5 sun HIRAPITA	17
10045	Carpenter's Square Flat Hard Chrome Finish 1 shaku 5 sun/50 cm HIRAPITA	17
10046	Carpenter's Square Flat Hard Chrome Finish 1 shaku 6 sun/50 cm HIRAPITA	17
10047	Carpenter's Square Flat Hard Chrome Finish 30 cm/1 shaku HIRAPITA	17
10048	Carpenter's Square Flat Hard Chrome Finish 1 shaku/30 cm HIRAPITA	17
10055	Carpenter's Square Hard Chrome Finish for Two-by-Four 50 cm	20
10056	Carpenter's Square Hard Chrome Finish for Two-by-Four 1 shaku 5 sun	20
10175	Carpenter's Square Hard Chrome Finish with Magnet Flat Corner 50 cm JIS	21
10181	Carpenter's Square Hard Chrome Finish with Magnet Flat Corner 1 shaku 6 sun	21
10286	Carpenter's Square Thick Corner Hard Chrome Finish with Square Scale 30 cm JIS	9
10294	Carpenter's Square Thick Corner Hard Chrome Finish 30 cm JIS	9
10297	Carpenter's Square Flat Hard Chrome Finish 30 cm HIRAPITA JIS	17
10332	Carpenter's Square Thick Corner Hard Chrome Finish with Square Scale and Inside Scale 1 shaku 5 sun UCHIPITA TSURUKAME	10
10340	Carpenter's Square Thick Corner Hard Chrome Finish with Square Scale and Inside Scale 1 shaku 6 sun UCHIPITA TSURUKAME	10
10359	Carpenter's Square Thick Corner Hard Chrome Finish with Square Scale and Inside Scale 50 cm UCHIPITA NIHON ICHI JIS	10
10370	Carpenter's Square Thick Corner Hard Chrome Finish with Inside Scales 50 cm CHOUHOU JIS	10
10371	Carpenter's Square Thick Corner Hard Chrome Finish with Inside Scales and Square Scale 1 shaku 5 sun CHOUHOU	10
10372	Carpenter's Square Thick Corner Hard Chrome Finish with Inside Scales and Square Scale 1 shaku 6 sun CHOUHOU	10
10373	Carpenter's Square Thick Corner Hard Chrome Finish with Inside Scales and Square Scale 50 cm CHOUHOU JIS	10
10405	Carpenter's Square Wide Hard Chrome Finish 50 cm with 6 Scales ATSUDEHIROHABA JIS	15
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Work Together

Website



Instagram



Product Video



LINE



JCSS
JCSS 0092

The Quality Assurance Department at Shinwa Rules Co., Ltd. is accredited as an MRA-conforming JCSS laboratory. "JCSS 0092" is the Quality Assurance Department's accreditation number.



ISO 9001
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(Except for JCSS Calibration)

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Please note that the color tone of products from this catalog and the actual products may be different.