

Carpenter's Squares
 Stainless Steel Rules / Machine Scale
 Aluminum Rules
 Resin Folding Rules / Bamboo Rules
 Squares / Protractors
 Vernier Calipers / Micrometers
 Tape Measures

Outside Caliper



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	1	
33960	OC-10 25 cm with Spring *	285×160×25	153	4 960910 339606	1	
33961	OC-12 30 cm with Spring *	340×160×25	178	4 960910 339613	1	

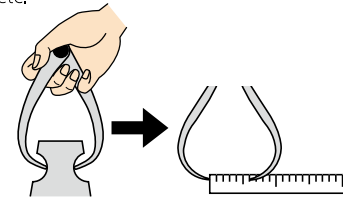
*OC-6, 8, 10 and 12 are made-to-order items.

Features

- For outer dimension measurement that cannot be measured by vernier caliper

Use

- For taking readings of outer dimensions, etc.



Specifications

	73318	73326
Material	Carbon steel	
Usable Range	150 mm (Radius)	200 mm (Radius)
	33958	33959
Material	Carbon steel	
Usable Range	150 mm (Radius)	200 mm (Radius)
	33960	33961
Material	Carbon steel	
Usable Range	250 mm (Radius)	300 mm (Radius)

Surveying Products
 Scales
 Levels
 Lasers / Optical Equipment
 Tripelines / Chalklines / Plumblines
 Circular Saw Guides
 Construction Tools

Inside Caliper



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
73253	A 15 cm	165×20×11.5	51	4 960910 732537	10	
73261	B 20 cm	210×18×11.5	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	1	
33956	IC-10 25 cm with Spring *	285×120×25	178	4 960910 339569	1	
33957	IC-12 30 cm with Spring *	340×120×25	209	4 960910 339576	1	

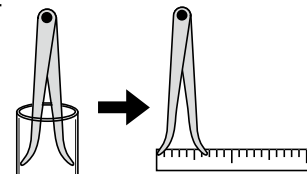
*IC-6, 8, 10 and 12 are made-to-order items.

Features

- For inner dimension measurement of a pipe or hole

Use

- For taking readings of inner dimensions, etc.

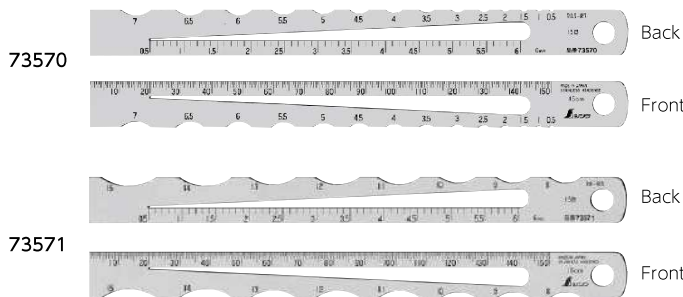


Specifications

	73253	73261
Material	Carbon steel	
Usable Range	150 mm (Radius)	200 mm (Radius)
	33954	33955
Material	Carbon steel	
Usable Range	150 mm (Radius)	200 mm (Radius)
	33956	33957
Material	Carbon steel	
Usable Range	250 mm (Radius)	300 mm (Radius)

Industrial Tools
 Thermometers / Hygrometers / Humidity Meters
 Outdoor Products
 Magnifying Glasses
 Drawing Tools
 Magnets

Radius Scale



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	
73571	A-2 R 8 - 15	175×15×0.5	7.5	4 960910 735712	10	

Features

- 1 scale can be used as an R gauge, diameter gauge, and as a rule
- Easy to pull out and measure due to its compact size

Use

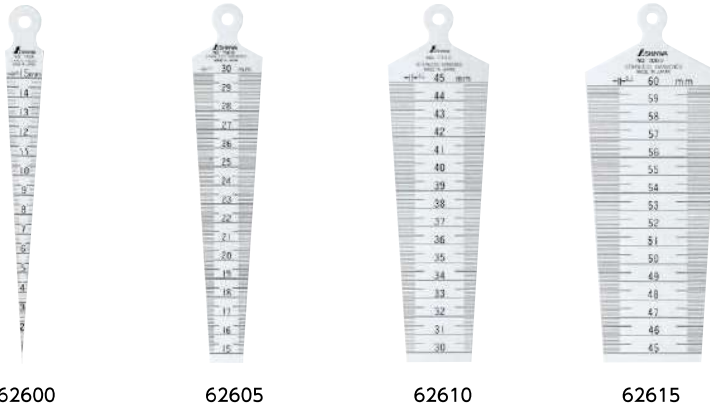
- Measurement of R, measurement of diameter and sheet thickness, and measurement of length



Specifications

	73570	73571
Material	Stainless steel	
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: 0 - 150 mm	Radius Gauge: R 8 - 15 mm Diameter Gauge: 0.5 - 6 mm Straight Rule: 0 - 150 mm

Taper Gauge



62600

62605

62610

62615

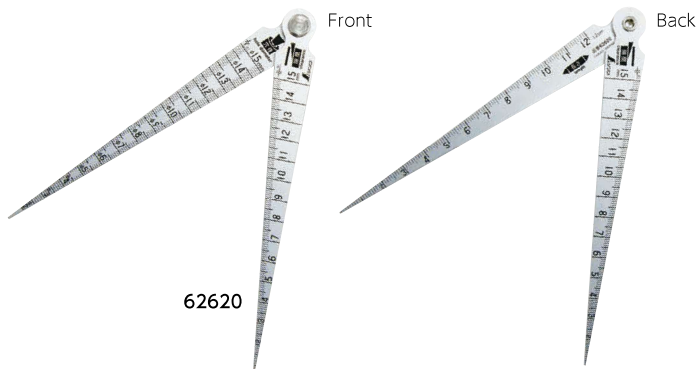


Easy carrying



62603

62612



62620

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	SP
62600	No.700 A 1 - 15 mm	148×17×1.2	11	4 960910 626003	10	
62605	No.700 B 15 - 30 mm	154×31×1.2	29	4 960910 626058	10	
62610	No.700 C 30 - 45 mm	160×46×1.2	50	4 960910 626102	1	
62615	No.700 D 45 - 60 mm	162×60×1.2	70	4 960910 626157	1	SP
62603	1 - 15 mm with Metal Case	155×20×6 (During storage)	25	4 960910 626034	10	
62612	1 - 15 mm with Rule	160×26×4.5 (During storage)	21	4 960910 626126	10	
62620	Double 1 - 15 mm for Clearance, Hole Diameter, Length	144×16,3×5,5	25	4 960910 626201	10	

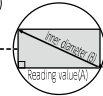
Taper Gauge No.700 and with Metal Case

Features

● Error occurs with the thickness of the gauge itself when measuring a circular hole. Inner diameter revision chart is on the back for better accuracy (62600/62603)

● Formula for revision
 Inner diameter = $\sqrt{\text{reading value}^2 + 1.44}$
 (B) (A)

Thickness of Taper Gauge (1.2 mm)



Use

● For measurement of inner diameter or dimension of gap



Specifications

	62600	62605	62610	62615	62603
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

Features

● Error occurs with the thickness of the gauge itself when measuring a circular hole. Inner diameter revision chart is on the back for better accuracy.
 ● Convenient portable tool combines taper gauge and rule
 ● Clip comes in handy for measuring depth or hanging in a pocket

Use

● For measurement of inner diameter or dimension of gap
 ● For measuring length and depth

Specifications

	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

Features

● 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



Use

● For measurement of inner diameter or dimension of gap
 ● For measuring length and depth

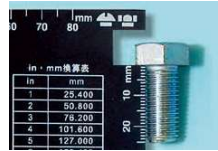
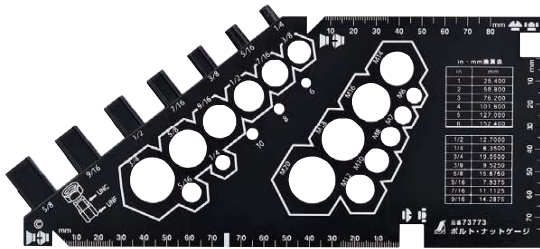
Specifications

Accuracy	Clearance: ±0.05 mm* Length: ±0.15 mm	Hole Diameter: ±0.05 mm
Measuring Range	Clearance: 1 - 15 mm Length: 0 - 120 mm	Hole Diameter: φ2 - 15 mm
Material	Stainless steel	
Hardness	Hv400 or more	

*Precision is ±0.1 mm when the two blades are together.

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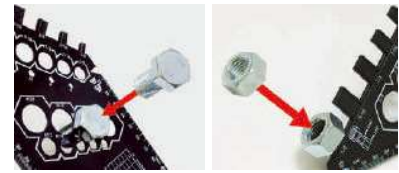
Bolt and Nut Gauge



*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

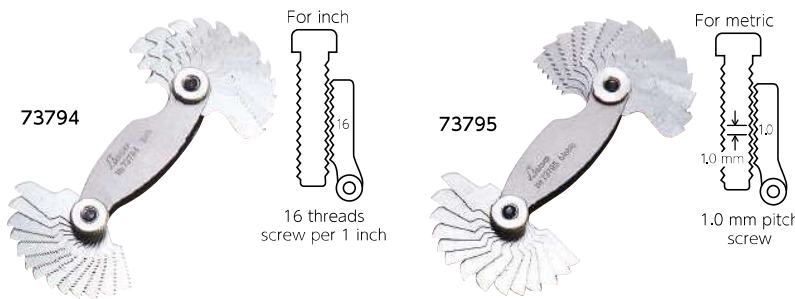
- For measuring size of bolt and nut

Specifications

Material	ABS resin
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Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
73773	Bolt and Nut Gauge	107×237×6	55	4 960910 737730	10	

Pitch Gauge



Features

- Finds pitch by aligning to screw thread

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

	73794	73795
Material	Carbon tool steel	
Angle	55° (for whitworth screw thread)	60°
Leaf	26 leaves (Number of threads per 1 inch) 4, 4 1/2, 5, 6, 7, 8, 9 10, 11, 12, 13, 14, 16 18, 19, 20, 22, 24, 25 26, 28, 30, 32, 40, 48 60	28 leaves (mm) 0.25, 0.3, 0.35, 0.4 0.45, 0.5, 0.55, 0.6 0.65, 0.7, 0.75, 0.8 0.85, 0.9, 1.0, 1.1, 1.2 1.25, 1.3, 1.4, 1.5, 1.6 1.7, 1.75, 1.8, 1.9, 2.0 2.5

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	
73795	B-2 for Metric Screw Thread 28 Leaves	68×18×15	44	4 960910 737952	10	

Feeler Gauge



Features

- Variety of different length and leaves available

Use

- For clearance gap measurement

Specifications

	73776	73780	73781	73782	73796	73797
Material	Carbon tool steel					
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 0.25	0.03 0.06 0.30	0.04 0.07 0.35 0.40 0.75 0.80 0.90

*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	Package
73776	A 75 mm 9 Leaves	81×13×5	20	4 960910 737761	10	
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	70×14×15	63	4 960910 737822	5	
73796	E 100 mm 25 Leaves	105×13×17	95	4 960910 737969		
73797	F 150 mm 25 Leaves	153×13×17	140	4 960910 737976		

Digital Thickness Caliper



73746

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
73746	A 0.01 mm/10 mm with Handle	125×100×26	216		1	

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
- Special case included

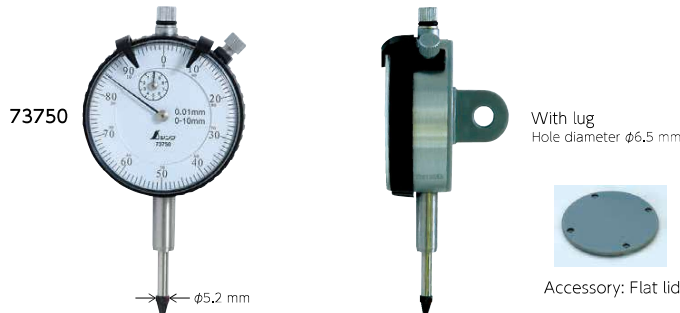
Use

- 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	φ10 mm
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: Cast iron Spindle, Gauge Head, Anvil: Stainless steel

Dial Gauge



73750

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
73750	0.01 mm/10 mm	107×55×44	100		3	

Features

- Convenient lug to install on magnetic stand

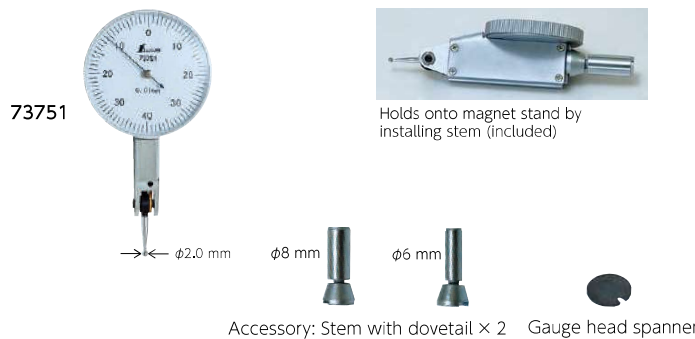
Use

- To measure flatness
- To measure parallelism
- To measure irregularity

Specifications

Graduation	0.01 mm
Measuring Range	0 - 10 mm
Outer Diameter	φ55 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: ABS resin Graduation Plate, Stem: Aluminum Graduation Plate Cover: Acrylic resin Clamp, Gauge Head: Brass Limiter: ABS resin Spindle: Stainless steel

Dial Indicator



73751

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Packaging
73751	0.01 mm/0.8 mm	77×39×25	44		3	

Features

- Two convenient stems are included

Use

- To measure flatness
- To measure parallelism
- To measure irregularity

Specifications

Graduation	0.01 mm
Measuring Range	0 - 0.8 mm
Outer Diameter	φ38.5 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: Aluminum Graduation Plate: Aluminum Graduation Plate Cover: Acrylic resin Stem: Brass, stainless steel Gauge Head: Stainless steel