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[www.kvsengineer.com](http://www.kvsengineer.com)

(click the link to direct to the site)

02-214-0101

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บรรทัดสแตนเลสแบบชุบขาว (Hard Chrome Finish)  
และแบบปัดเงา (Polish Finish)

# STANDARD RULES ROUNDED END

NOTE : Stainless steel.  
Fully heat treated.  
Photographically etched graduations

**TYPE OF FINISH**

**H : HARD CHROME FINISH, NON REFLECTIVE TYPE**

**S : POLISH FINISH, REFLECTIVE TYPE**

**Dimensions**

Scale Length		Overall Length		Width mm	thickness mm
mm	inch	mm	Inch		
150	6	175	6.7/8	15	0.5
300	12	336	13.1/4	25	1.0
600	24	641	25.1/4	30	1.2
1000	36	1051	41.3/8	35	1.5
1500	60	1564	61.5/8	40	2.0
2000	78	2056	81.1/4	40	2.0
3000	118	3065	120.5/8	40	3.0
4000	150	4080	160.5/8	45	3.0

**MM** Metric sizes conformable to JIS B 7516

Finish	Scale Type No.	Scale				Size							
		Front		Back		A	C	E	F	G	H	I	J
		Upper	Lower	Upper	Lower	150 mm	300 mm	600 mm	1000 mm	1500 mm	2000 mm	3000 mm	4000 mm
H	101	mm	1/2 mm	Conversion Table		●	●	●	●	-	-	-	-
S	102	//	//	Plain		-	-	-	-	●	●	●	●

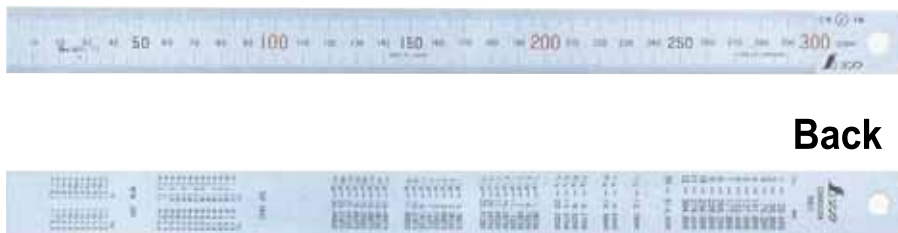
Note : Scale type No. -102G, H, I/Front upper scale ; 1/2 mm-mm lower scale ; mm

● : Stocked Items.

Not Fully heat treated.

Scale type No. -102J/Front upper and lower scale ; mm

**No.H-101C** (300mmx300mm/Conversion table)



Front

Back



Type No. 101 Have Red Numerals

**MM and Inch** metric scales on front face, inch scales on back face.

Finish	Scale Type No.	Scale				Size			
		Front		Back		A	C	E	F
		Upper	Lower	Upper	Lower	150mm (6")	300mm (12")	600mm (24")	1000mm (36")
H	201	1/2mm	mm	1/10" ● 1/20" ● 1/50"	1/16" ● 1/32" ● 1/64"	●	●	●	●

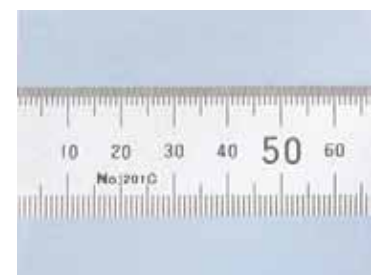
H : Hard chrome finish. ● : Stocked Items.

**No.H-201C** (300mmx300mm/12"x12")



Front

Back



Note : To order our products, please let us know the product's number

EXAMPLE : No. H-101 C  
Type of finish ——— Size  
Scale type No.

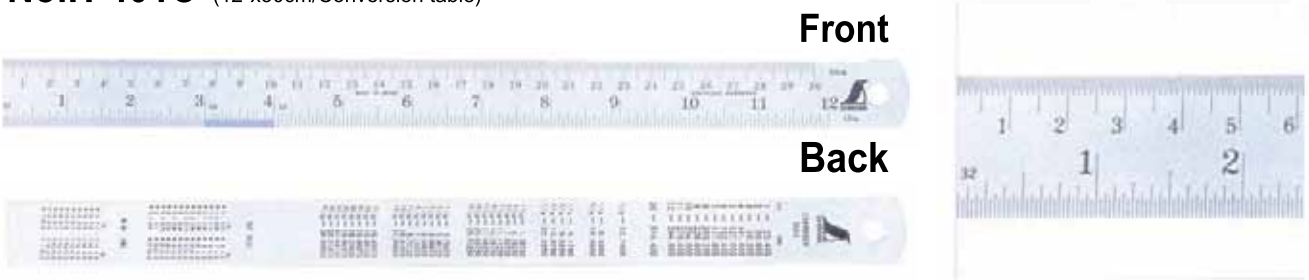
## บรรทัดสแตนเลสแบบชุบขาว (Hard Chrome Finish) และแบบปิดเงา (Polish Finish)

### MM and INCH Metric and Inch scales on the front.

Finish	Scale Type No.	Scale				Size							
		Front		Back		A 150 mm (6")	C 300 mm (12")	E 600 mm (24")	F 1000 mm (36")	G 1500 mm (60")	H 2000 mm (78")	I 3000 mm (118")	J 4000 mm (150")
		Upper	Lower	Upper	Lower								
H	401	1/2mm.mm	1/16"•1/32"•1/64"	Conversion table		●	●	●	●	-	-	-	-
S	402	//	//	Plain		-	-	-	-	●	●	●	●

H : HARD CHROME FINISH S : POLISH FINISH ● : Stocked Items. Not Fully heat treated.

### No.H-401C (12"x30cm/Conversion table)



## บรรทัดสแตนเลสแบบชุบขาว (Hard Chrome Finish) สำหรับวัดผิวโค้ง

### Metric Flexible enough to measure curved face.

Finish	Scale Type No.	Scale				Size					
		Front		Back		A 150 mm	C 300 mm	E 600 mm	F 1000 mm	Width	Thickness
		Upper	Lower	Upper	Lower						
H	701	mm	1/2 mm	Plain		●	●	●	●	15 mm (A-type 13 mm)	0.5 mm

### No.H-701C (300mmx300mm/Plain)

● : Stocked Items.

Front



## บรรทัดสแตนเลสแบบเสียบกระเป๋าชุบขาว (Hard Chrome Finish)

### POCKET RULES

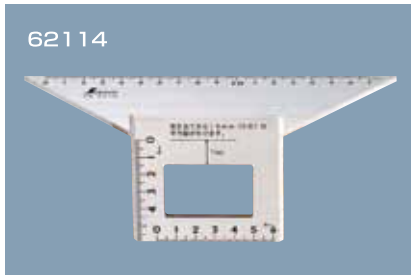
Finish	Scale Type No.	Scale				Dimension LxWxt (mm)
		Front		Back		
		Upper	Lower	Conversion table		
H	1303	1/2mm	mm	Conversion table		150x12x0.5

With Pocket clip, use as a depth gauge

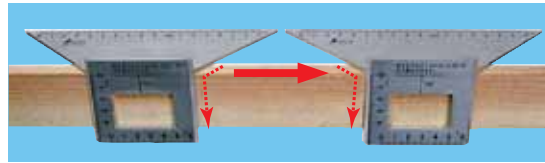
Front



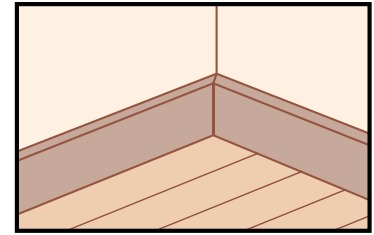
# SQUARES



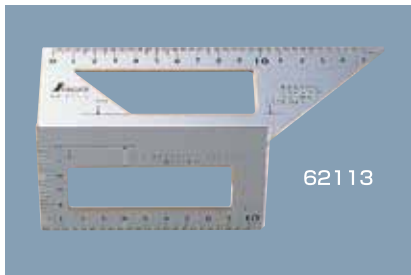
Convenient for drawing  
15mm(0.6") parallel line



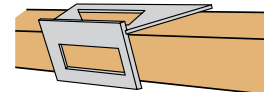
Just slide over, Trapezoid work



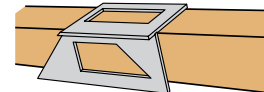
Perfect for crown molding,  
door frames, window frames,  
virtually any trim jobs



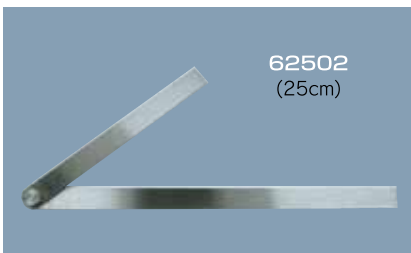
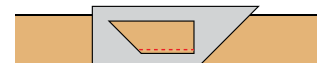
draw 45 degree lines



draw 90 degree lines



How to work and draw  
a 15mm(0.6") parallel  
line from inside the  
window



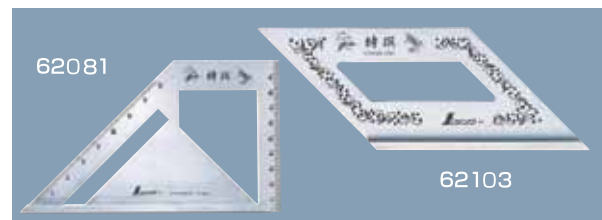
D.No.	ART.No.	Description of Goods	SIZE	CT or Inner Box
62114	62114	Aluminum Miter Gauge		60/CT
62113	62113	Aluminum Layout Gauge		60/CT
62502	S1456A	Japanese Bevel	25cm	12/Box
62510	S1456B	Japanese Bevel	30cm	12/Box
62529	S1456C	Japanese Bevel	45cm	5/Box
62588	S1461A	Japanese Sliding Bevel	15cm	12/Box
62596	S1461B	Japanese Sliding Bevel	25cm	12/Box
	SB-8	Sliding Bevel	8"(200mm)	60/CT
	SB-10	Sliding Bevel	10"(250mm)	60/CT
62081	62081	Angle Scribing Square		6/Box
62103	62103	Angle Scribing Rule		12/Box

● For scribing any angle  
on the material and  
contour the angle.

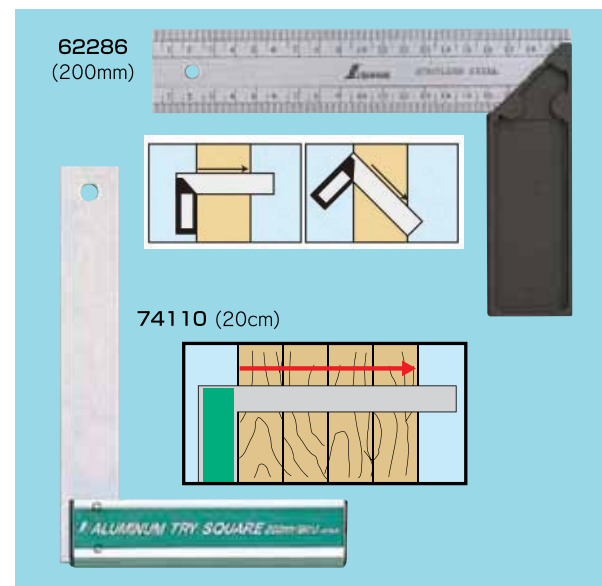


● For scribing dovetail.

MATERIAL : STAINLESS STEEL



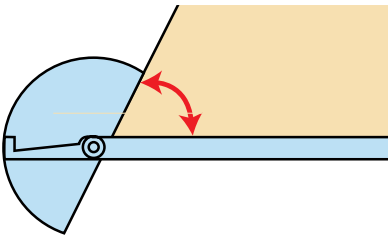
D.No.	ART.No.	Description of Goods	SIZE	CT or Inner Box
	S-1421	Miter Square	8"×200mm	60/CT
	S-1422	Miter Square	10"×250mm	60/CT
	S-1423	Miter Square	12"×300mm	60/CT
62286	S-1426	Miter Square	200mm	60/CT
62294	S-1427	Miter Square	250mm	60/CT
62308	S-1428	Miter Square	300mm	60/CT
74110	74110	Aluminium Try Square	20cm	6/Box
74111	74111	Aluminium Try Square	25cm	6/Box
74112	74112	Aluminium Try Square	30cm	6/Box
74113	74113	Aluminium Try Square	35cm	6/Box
74114	74114	Aluminium Try Square	40cm	1/Box
74115	74115	Aluminium Try Square	45cm	1/Box
74116	74116	Aluminium Try Square	50cm	1/Box
74117	74117	Aluminium Try Square	60cm	1/Box
74118	74118	Aluminium Try Square	70cm	1/Box
74119	74119	Aluminium Try Square	90cm	1/Box
74120	74120	Aluminium Try Square	1m	1/Box



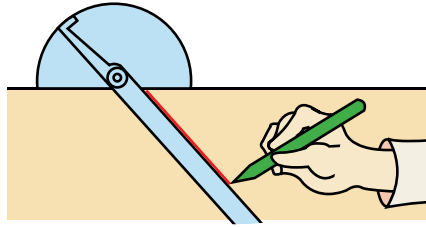
# PROTRACTORS



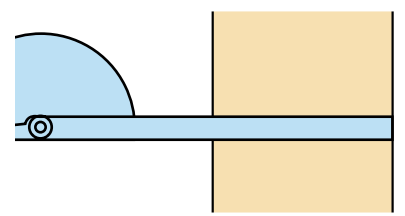
## Angle Measure



## Scribing



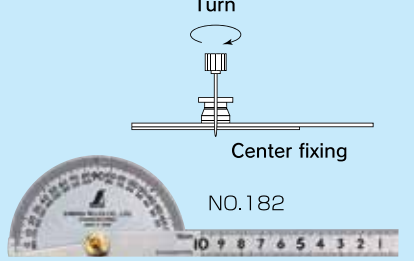
## Length Measure



Popular size  
NO.19

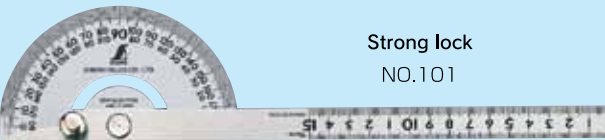
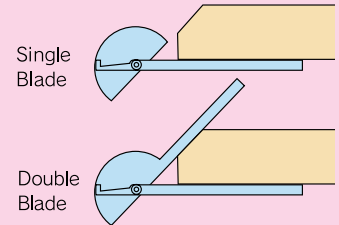


Square guide  
NO.183



Turn  
Center fixing  
NO.182

A double blade is more convenient than a single blade.



Strong lock  
NO.101



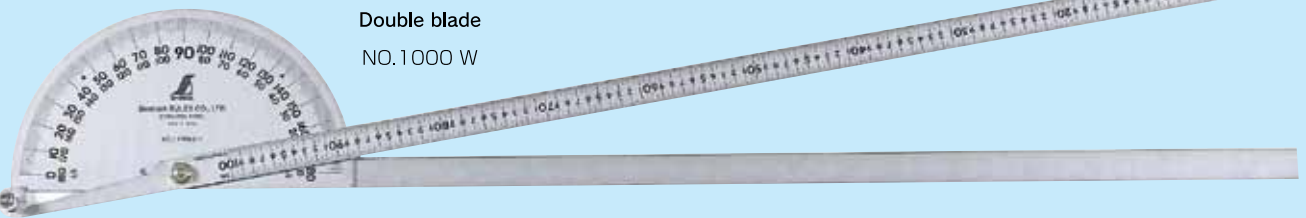
Without graduations  
NO.30



Single blade  
NO.300 S



Pocket size  
MINI



Double blade  
NO.1000 W

D.No.	ART.No.	Description of Goods	SIZE (mm)
62499	S-1501	ST Protractor No.19	198×14×1.2 φ90
62480	H-1501	HC Protractor No.19	198×14×1.2 φ90
62928	H-1521	HC Protractor No.183	200×14×1.2 φ90
62901	H-1541	HC Protractor No.182	198×14×1.2 φ90
62868	H-1542	HC Protractor No.101	305×16×1.5 φ120
62774	H-1543	HC Protractor No.30	305×16×1.5 φ120
62839	H-1544	HC Protractor No.300 W	515×22×2.0 φ210
62898	H-1545	HC Protractor No.300 S	515×22×2.0 φ210
62944	H-1546	HC Protractor No.600 W	824×30×2.5 φ320
62855	H-1547	HC Protractor No.600 S	824×30×2.5 φ320
62952	H-1548	HC Protractor No.1000 W	1224×30×2.5 φ320
62847	H-1549	HC Protractor No.1000 S	1224×30×2.5 φ320
62987	S-1550	ST Mini Protractor	120×10×1.0 φ40
62995	H-1550	HC Mini Protractor	120×10×1.0 φ40





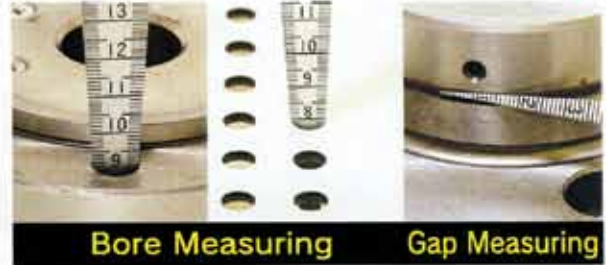
# TAPER GAUGE with SAFETY case

for Protection against stick & Protection of tip



■ Specification

Material	Stainless
Accuracy	±0.05mm(Within Measurement range)
Hardness	Hv360-495
Measurement Range	1-15mm
External dimension	155x20x6mm(In Case)
Weight	25g

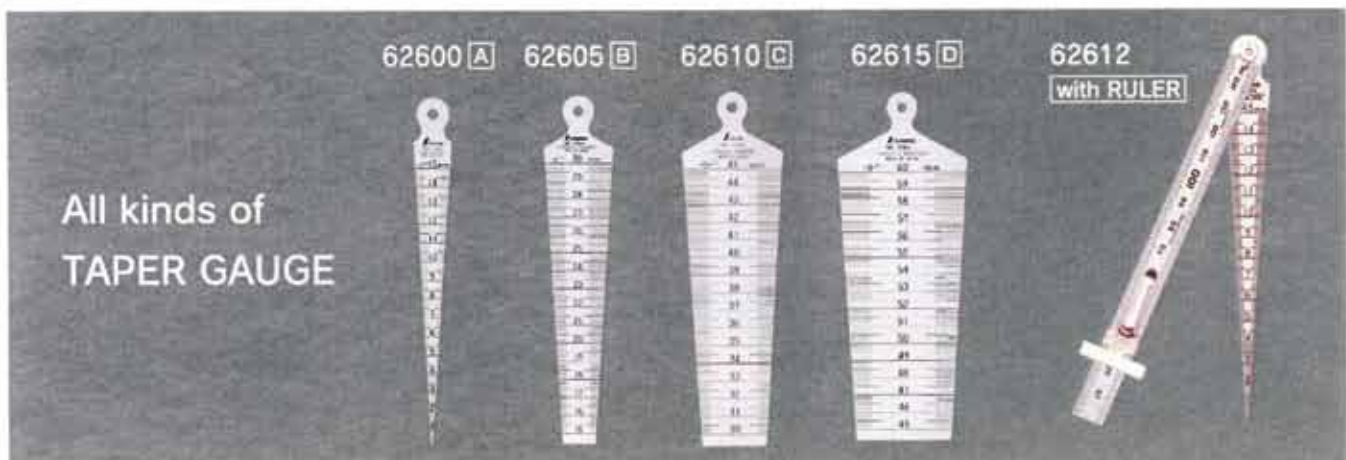


Clip for easy carry



Item Code	Description of goods	Origin	Weight	Inner Unit	JAN Code
62603	TAPER GAUGE with STEELCASE	JAPAN	25g	10	4 960910 626034

We can measure the gap and bore when we put the gauge between or into them.



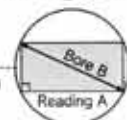
Item Code	Description of goods	Origin	Measurement Range	Weight	Inner Unit	JAN Code
62600	TAPER GAUGE No.700 A	JAPAN	1~15	11g	20	4 960910 626003
62605	TAPER GAUGE No.700 B	JAPAN	15~30	29g		4 960910 626058
62610	TAPER GAUGE No.700 C	JAPAN	30~45	50g		4 960910 626102
62615	TAPER GAUGE No.700 D	JAPAN	45~60	70g		4 960910 626157
62612	TAPER GAUGE with RULER	JAPAN	1~15	20g	10	4 960910 626126

The bore measuring causes the difference due to the thickness of gauge itself (Item Code 62603/62600/62612). The following bore adjustment table is attached on the back of body.

■ Equation for adjustment

$$\text{Bore B} = \sqrt{\text{Reading A}^2 + 1.44}$$

Thickness of taper gauge(1.2mm)



# ENGINEER'S HAND TOOLS



## Dividers, Inside Calipers and Outside Calipers.

### Divider

Fully hardened and tempered joints, Spring, washers and divider points. High carbon steel legs deeply heat treated for lifetime service. Brushed natural steel finish.

### Inside Caliper

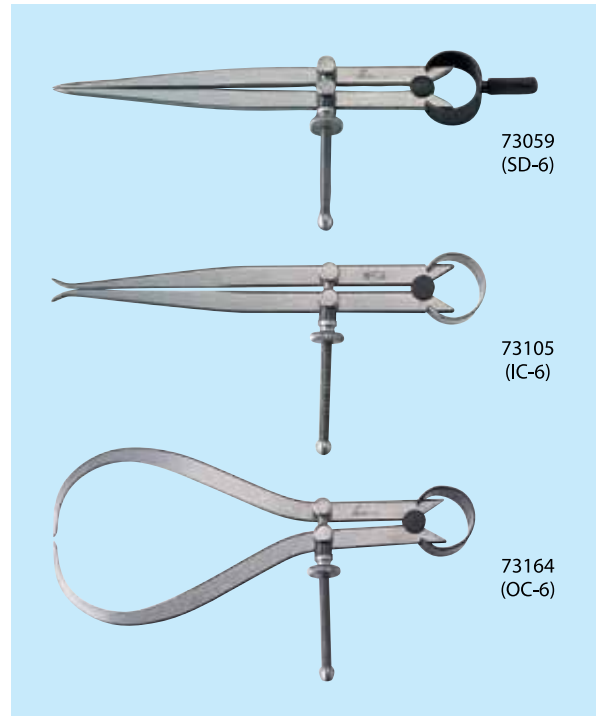
Ends sre fully rounded to give accurate contact with work. Brushed natural steel finish.

### Outside Caliper

Contract ends fully rounded to give an accurate dimension. Brushed natural steel finish.

Code No. & Description of Goods			
Spring Divider	Spring Inside Caliper	Spring Outside Caliper	Size
73059 (SD-6)	73105 (IC-6)	73164 (OC-6)	6" (150mm)
73067 (SD-8)	73113 (IC-8)	73172 (OC-8)	8" (200mm)
SD-10*	IC-10*	OC-10*	10" (250mm)
SD-12*	IC-12*	OC-12*	12" (300mm)

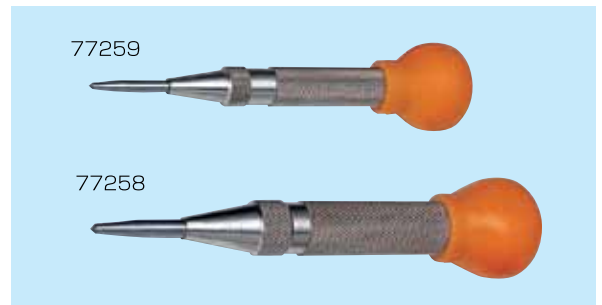
\* ยกเลิกการผลิต DISCONTINUED ITEMS.



## Auto Punch

Point is extremely hard chip. It has longer life than other normal Auto Punch

No.	Description of Goods		Size	Weight
77259	Auto Punch	M	133×30	80g
77258	Auto Punch	L	160×35	181g



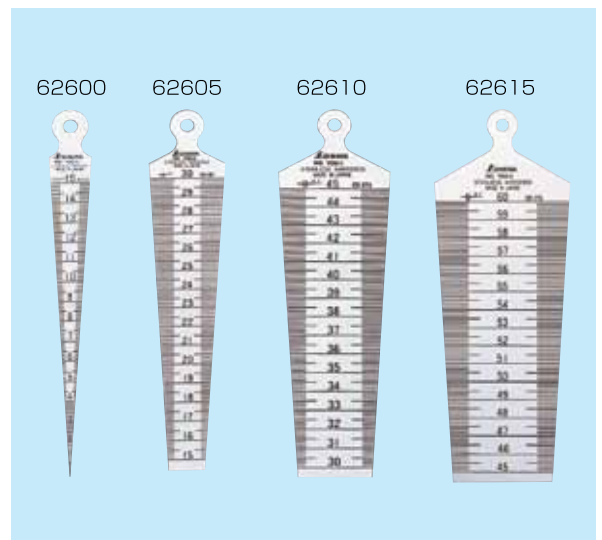
## Taper Gauge

Stainless steel, Fully heat treated with photographically etched graduations.

Thickness: 1.2mm  
 Material: SUS420J2  
 Hard Chrome Plated  
 Hardness: Hv360~495  
 Accuracy: ±0.05mm



No.	Description of Goods		Scale	Weight
62600	Taper Gauge	700A	1-15mm	11g
62605	Taper Gauge	700B	15-30mm	29g
62610	Taper Gauge	700C	30-45mm	50g
62615	Taper Gauge	700D	45-60mm	70g
62612	Taper Gauge with Rule	700S	1-15mm	20g



## Welding Thickness Gauge

Stainless steel.

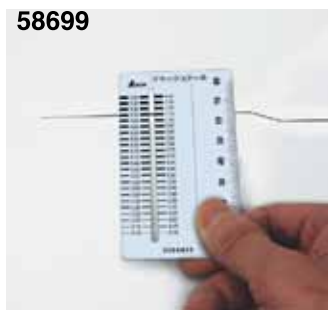
No.	Description of Goods	Size	Weight	Package
58691	Welding Thickness Gauge	70.5×48×7	85g	5/Box





## แผ่นเช็คขนาดรอยร้าว CRACK SCALE

Code No.	Description	Dimension (LxWxT) (mm)
58699	Card type	55x91x0.3
58698	Stainless steel Rule type 15 cm	175x15x0.5
58697	Transparency type	55x91x0.2



58698



### Features

- No. 58699 & 58698 have strength due to stainless steel material
- No. 58697 is transparent so that we can easily fit to a crack

### Specification

- Card type : Accuracy of graduation width  $\pm 0.05$  mm, Material : SUS301
- Stainless steel rule type : Accuracy of graduation width  $\pm 0.05$  mm, Material : SUS402J2
- Transparency type : Accuracy of graduation width  $\pm 0.02$  mm, Material : Polyester

## TOOLS TO MEASURE ACCURACY OF STEEL FRAMEWORK

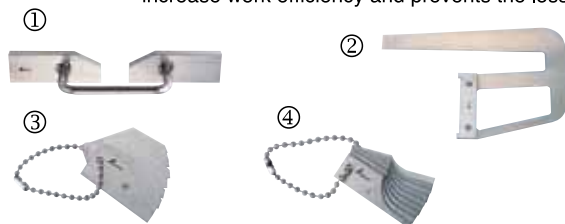
Code No.	Description	Dimension (LxWxT) (mm)
97794	7 items set	600x390x90

### Features

- The time has come when building also requires accuracy. As a compact case includes 7 gauges useful for inspection, it is easy to carry. It also increase work efficiency and prevents the loss.



97794



### CONTENTS

Item	How to Use
① Gauge to measure gap	To measure gap in flange of diaphragm
② Gauge to measure fold and inclination	To measure the right angle in cross section of H shape
③ Gauge to measure angles of bevel (9 sheets, 30°~50° per 2.5°)	Processing inspection : To measure bevel angles at the point of gas processing or open processing
④ Gauge to measure route spaces (9 sheets, 4~12 mm)	Processing inspection : To measure route spaces at the point of gas processing or open processing
⑤ Welding thickness gauge (as per below item no. 58691)	Leg length of fillet weld, height of weld bead and so on in any inspection of welding.
⑥ Taper gauge size 1~15 mm	To measure any gaps
⑦ Under-Cut gauge (as per below item no. 58695)	To measure Under-Cut of weld bead

## เกจวัดแนวเชื่อม WELDING THICKNESS GAUGE

Code No.	Description	Dimension (LxWxT) (mm)
58691	Welding Thickness Gauge	70.5x48x7

### Features

- Useful for inspection in any welding work.

### Specification

- Accuracy : Gap, length within  $\pm 0.2$  mm (for 20 mm, 40 mm)
- Material : SUS402J2

### How to use

- Leg length of fillet weld, height of weld bead and so on in any inspection of welding.

58691 ⑤



## เกจวัดแนวเชื่อม UNDERCUT GAUGE

Code No.	Description	Dimension (LxWxT) (mm)
58695	Under-Cut gauge	115x58x18

### Features

- As the measuring base is stable, read the graduations regularly.

### Specification

- Accuracy : within  $\pm 0.05$  mm (0.1 mm and less than 1 mm)
- Material : SUS410, Brass, Copper

### How to use

- Used for measuring under-cut of weld bead

58695 ⑦



# ALUMINIUM CUTTING RULE

Code No.	Size	Dimension (LxWxT) (mm)
65075	1000 mm	1020x56x5.5
65076 w/Handle	1000 mm	1020x56x52

## Specifications

Graduation accuracy	Tolerance of straight
1000 mm ±0.4 mm	Within 0.4 mm

## Features

- Light weight and useful for households.
- Graduation figures are big and vivid.

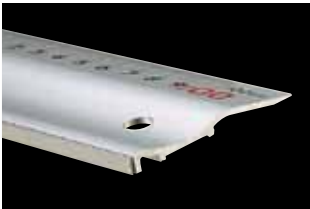


- Stopper sponge prevents a rule form slipping.

## How to use

- For measurement of length and cutting.
- Useful for cutting and pasting wall-paper due to light weight.

- The edge of cutter made of stainless steel does not break into the cutting side.



- Thin handles is easy to hold.



65076



# ALUMINIUM CUTTING RULE

Code No.	Size	Dimension (LxWxT) (mm)
65077	1000 mm	1020x100x50
65078	2000 mm	2020x100x50

## Specifications

Graduation accuracy	Tolerance of straight
(size 1000mm) 1019mm ±0.4 mm	Within 0.45 mm
(size 2000mm) 2019mm ±0.7 mm	Within 0.6 mm

## Features

- Aluminum cutting rule for safety use.



- Whole-length handle to hold

- cm and SHAKU graduation

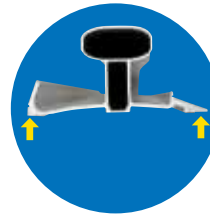
- Safety wall is 20 mm height

- The body width 100 mm easy to hold work piece

## Material

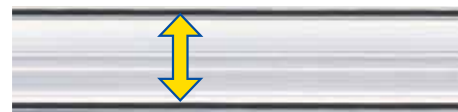
Body : Aluminium  
Stopper : Rubber

Stainless Steel : SUS430  
Graduation Tape : Steel



- Stainless steel at both side prevents edge of cutter form running on steel.

- With stopper rubber on both side



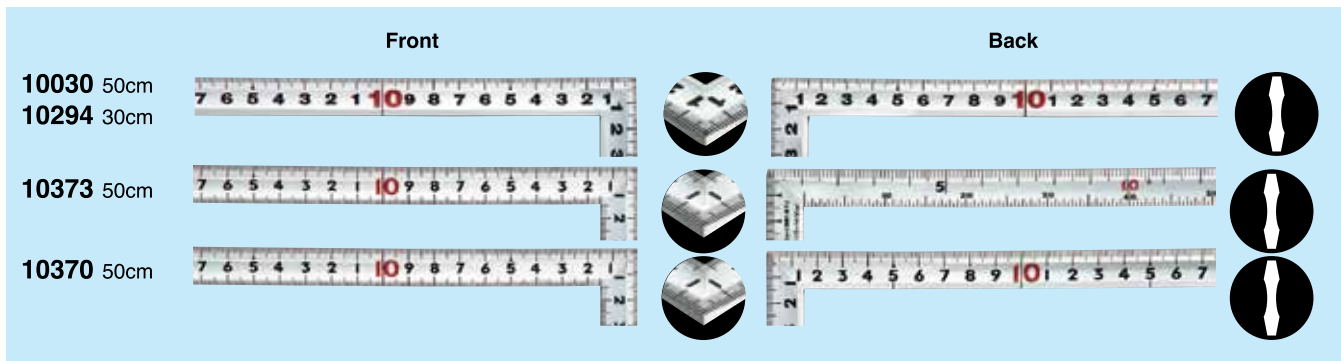
65077



# HARD CHROME FINISH CARPENTER'S SQUARE

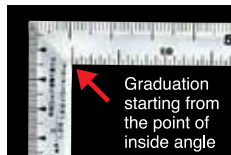
Code No.	Size	Front Graduation				Back Graduation				Type of Shape	Overall Length L (L Short Branch) × W × t (mm)
		Long Branch		Short Branch		Long Branch		Short Branch			
		Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside		
10030	50x25 cm	50 cm	–	25 cm	–	50 cm	–	25 cm	–	Thickness	520(260)×15×1.4
10294	30x15 cm	30 cm	–	15 cm	–	30 cm	–	15 cm	–	Point at the	320(160)×15×1.4
10373	50x25 cm	50 cm	45 cm	25 cm	20 cm	A	B, C	25 cm	–	Place of	520(260)×15×1.4
10370	50x25 cm	50 cm	45 cm	25 cm	20 cm	50 cm	C	25 cm	–	Angle	520(260)×15×1.4

- A :** This graduation is used to multiply the front graduation by  $\sqrt{2}$  (1.414). We realize the length of one side of square block by measuring a log with this graduation.
- B :** This graduation is used to reduce the front graduation by the circular constant (3.14). We realize the circumference by measuring the diameter of circle with this graduation.
- C :** Useful to measure the depth of ditch or an opening.



### Features

- For Meter Module
- For carpenters or builders
- Easy to read the graduation by controlling reflection after Hard Chrome treatment
- Big graduations and figures
- There are also have a graduation starting from the point of inside and outside angle

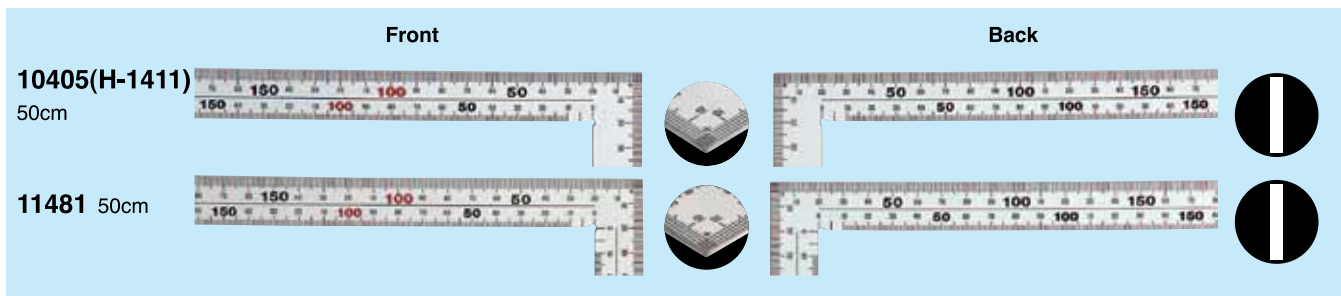


### Specifications

Accuracy	Tolerance of right angle	Within : ±0.1 mm/100 mm
	Tolerance of length	Total length : ±0.2 mm
	Material	Stainless SUS420J2

Code No.	Size	Front Graduation				Back Graduation				Type of Shape	Overall Length L (L Short Branch) × W × t (mm)
		Long Branch		Short Branch		Long Branch		Short Branch			
		Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside		
10405(H-1411)	50x25 cm	50 cm	45 cm	25 cm	–	50 cm	40 cm	25 cm	–	Flat	520(260)×20×2.0
11481	50x25 cm*	50 cm	45 cm	25 cm	20 cm	50 cm	40 cm	25 cm	20 cm		520(260)×20×2.0
10421	30x15 cm	30 cm	25 cm	15 cm	10 cm	30 cm	25 cm	15 cm	10 cm		320(160)×20×2.0

(\*) : It is 8 Graduations on square. (4 Graduations on front side, 4 Graduations on back side.)



### Features

- Wide and thick. Resistant in shock, difficult for the angle to go wrong.
- Suitable for building, steel process and civil engineering.

### Specifications

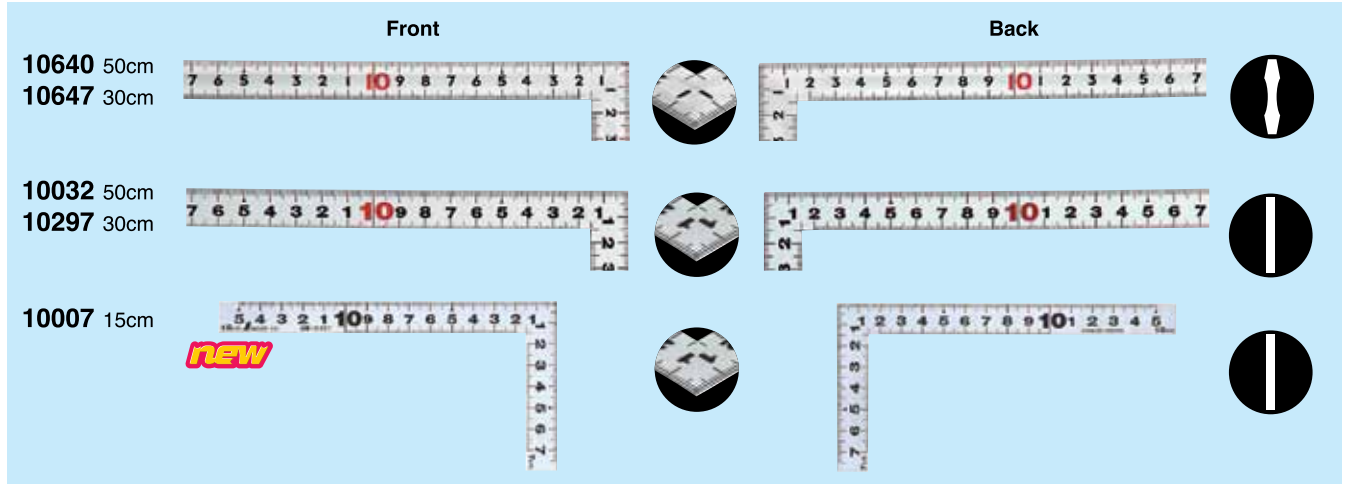
Accuracy	Tolerance of right angle	Within : ±0.1 mm/100 mm
	Tolerance of length	Total length : ±0.2 mm
	Material	Stainless SUS410

## ฉากสแตนเลสแบบซบขาว

# HARD CHROME FINISH CARPENTER'S SQUARE

Code No.	Size	Front Graduation				Back Graduation				Type of Shape	Overall Length L (L Short Branch) × W × t (mm)
		Long Branch		Short Branch		Long Branch		Short Branch			
		Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside		
10640	50x25 cm	50 cm	45 cm	25 cm	20 cm	50 cm	40cm,C	25 cm	20 cm	Same Thickness at the Place of Angle (Flat)	520(260)×15×1.4
10647	30x15 cm	30 cm	25 cm	15 cm	10 cm	30 cm	20cm,C	15 cm	10 cm		320(160)×15×1.4
10032	50x25 cm	50 cm	45 cm	25 cm	20 cm	50 cm	40 cm	25 cm	20 cm	Flat	520(260)×15×1.0
10297	30x15 cm	30 cm	25 cm	15 cm	10 cm	30 cm	25 cm	15 cm	10 cm		320(160)×15×1.0
10007	15x7.5 cm	15 cm	10 cm	7.5 cm	7 cm	15 cm	10 cm	7.5 cm	7 cm		160(80)×15×1.0

C : Useful to measure the depth of ditch or an opening.



### Features

- Same thickness at the place of angle
- As the place of angle is thin and flat, attach the square to the material properly.
- Easy to draw because the place of angle is thin
- There also is a graduation starting from the point of outside angle at the inside of square

### Specifications

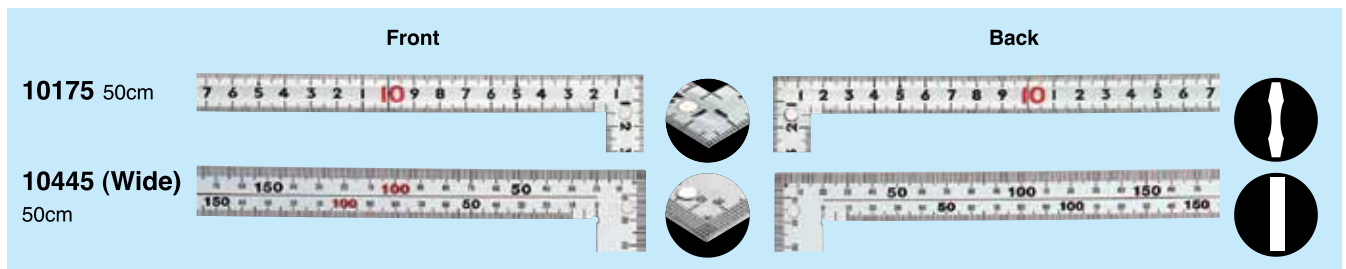
Accuracy	Tolerance of right angle	Within : ±0.1 mm/100 mm
	Tolerance of length	Total length : ±0.2 mm
	Material	Stainless SUS420J2

## ฉากสแตนเลสแบบซบขาว มีแม่เหล็ก

# HARD CHROME FINISH CARPENTER'S SQUARE WITH MAGNET

Code No.	Size	Front Graduation				Back Graduation				Type of Shape	Overall Length L (L Short Branch) × W × t (mm)
		Long Branch		Short Branch		Long Branch		Short Branch			
		Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside		
10175	50x25 cm	50 cm	45 cm	25 cm	20 cm	50 cm	40cm,C	25 cm	20 cm	Same Thickness at the Place of Angle (Flat)	520(260)×15×1.4
10445(Wide)	50x25 cm	50 cm	45 cm	25 cm	-	50 cm	40 cm	25 cm	-		520(260)×20×2.0

C : Useful to measure the depth of ditch or an opening.



### Features

- Stick properly with magnet in order not to drop square at a height.
- There also is a graduation starting from the point of outside angle at the inside of square

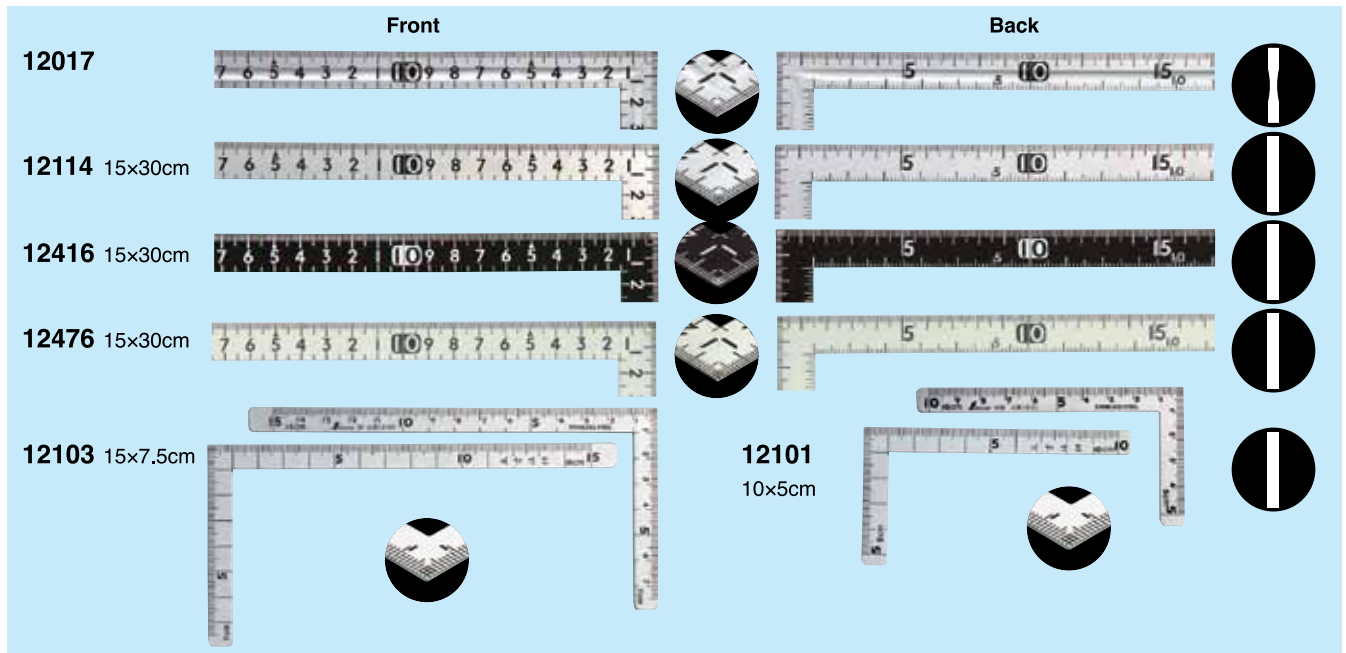
### Specifications

Accuracy	Tolerance of right angle	Within : ±0.1 mm/100 mm
	Tolerance of length	Total length : ±0.2 mm
	Material	Stainless SUS420J2

# STEEL-STAINLESS STEEL SMALL CARPENTER'S

Code No. / Material	Size	Front Graduation				Back Graduation				Type of Shape	Overall Length L (L Short Branch) × W × t (mm)
		Long Branch		Short Branch		Long Branch		Short Branch			
		Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside		
12017(SUS410)	15×30 cm	30 cm	5mm×30cm	15 cm	5mm×15cm	30 cm	A	15 cm	B	Same Thickness at the Place of Angle (Flat)	330(165)×15×1.1
12114(SUS410)	15×30 cm	30 cm	5mm×30cm	15 cm	5mm×15cm	30 cm	A	15 cm	B		330(163)×15×1.1
12416(BL1436)(Steel)	15×30 cm	30 cm	5mm×30cm	15 cm	5mm×15cm	30 cm	A	15 cm	B		330(163)×15×1.3
12476(Steel)	15×30 cm	30 cm	-	15 cm	-	30 cm	A	15 cm	B		330(163)×15×1.3
12101(SUS420J2)	10×5 cm	10 cm	1×10 cm	5 cm	1×5 cm	10 cm	1×10 cm	5 cm	1×5 cm		105(55)×10×1.2
12103(SUS420J2)	15×7.5 cm	15 cm	1×15 cm	7.5 cm	1×7 cm	15 cm	1×15 cm	7.5 cm	1×7 cm		160(80)×10×1.2
64548(BL1466)(Steel)	60×40 cm	60 cm	57 cm	40 cm	35 cm	30 cm	27 cm	20 cm	16 cm		610(407)×51×2.3
62359(BL1431)(Steel)	30×20 cm	30 cm	27 cm	20 cm	26 cm	30 cm	27 cm	20 cm	26 cm		305(204)×38×1.2

A : This graduation is used to multiply the front graduation by  $\sqrt{2}(1.414)$ . We realize the length of one side of square block by measuring a log with this graduation.  
 B : This graduation is used to reduce the front graduation by the circular constant (3.14). We realize the circumference by measuring the diameter of circle with this graduation.



### Features

- Excellent square for wood or metal working.
- The model in mild steel have black enamel and white markings.

### Specifications

Accuracy	Tolerance of right angle	Within : ±0.1 mm/100 mm
	Tolerance of length	Total length : ±0.2 mm

## บรรทัดสแตนเลสแบบซุขขาวมีแม่เหล็ก

# HARD CHROME FINISH STAINLESS STEEL RULE WITH MAGNET

Code No.	Size	Dimension (L×W×T) (mm)
13501	150 mm	175×15×1.3
13528	300 mm	335×25×1.8
13536	500 mm	640×30×2.0
13544	1000 mm	1050×35×2.3

### Features

- Hard Chrome Finish Stainless Steel Rule with magnet on the reverse to stick to metals.

### Specifications

Top Graduation	Lower Graduation
1 mm pitch	0.5 mm pitch**

Note : (\*\*) The scale of lower Graduation 0.5 mm pitch on size 150-300 mm are full length, for size 600-1000 mm the scale 0.5 mm pitch length 100 mm.



# ฉากสแตนเลสใหญ่

## STAINLESS STEEL LARGE SQUARE



Code No.	Size	Front Graduation				Back Graduation				Type of Shape	Overall Length L (L Short Branch) × W × t (mm)
		Long Branch		Short Branch		Long Branch		Short Branch			
		Outside	Inside	Outside	Inside	Outside	Inside	Outside	Inside		
63400 (H)	1m×60 cm	1 m	–	60 cm	–	1 m	–	60 cm	–	Flat	1030(630)×35×2.5
63118 (S)	1m×60 cm	1 m	–	60 cm	–	1 m	–	60 cm	–		1030(630)×35×2.5
63402 (H)	60×30 cm	60 cm	–	30 cm	–	60 cm	–	30 cm	–		630(330)×30×2.0
63410 (S)	60×30 cm	60 cm	–	30 cm	–	60 cm	–	30 cm	–		630(330)×30×2.0

H : Hard Chrome Finish  
S : Polish Finish



### Features

- Large and heavy
- Suitable to measure timber, stone and steel and make a drawing on them.

### Specifications

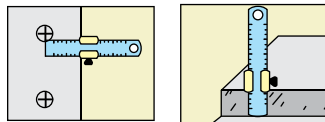
Accuracy	Tolerance of right angle	Within : ±0.1 mm/100 mm
	Tolerance of length	Total length : ±1 mm
Material		Stainless SUS410

## STOPPER FOR STAINLESS STEEL RULE

Code No.	Apply for Rule Size	Dimension (L×W×T) (mm)
76745	150 mm	15×22×5
76746	300 mm	20×35×6
76747	600 mm	20×40×6
76748	1000 mm	20×50×6
76749	1.5 m ~ 2 m	20×55×8

### Features

- Installing with stainless steel rule, easily fix the length and position and accurately measure the depth.
- On behalf of depth gauge useful in processing metals and timber.



76745



76746



76747



76748



76749



## บรรทัดสแตนเลสแบบ 6 พับ

## 6-FOLD STAINLESS STEEL RULE POLISH FINISH

Code No.	Size	Dimension (L×W×T) (mm)
63770	1000 mm	1000×15×0.5

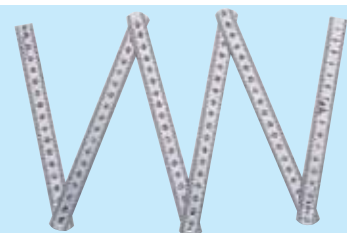
### Features

- Useful for carrying as 1 m rule in 6-folded

### Material

- SUS420J2

63770

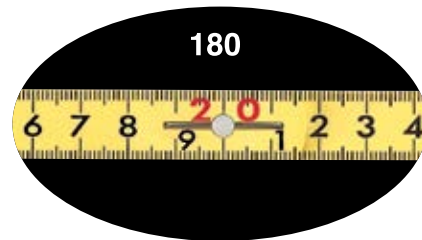
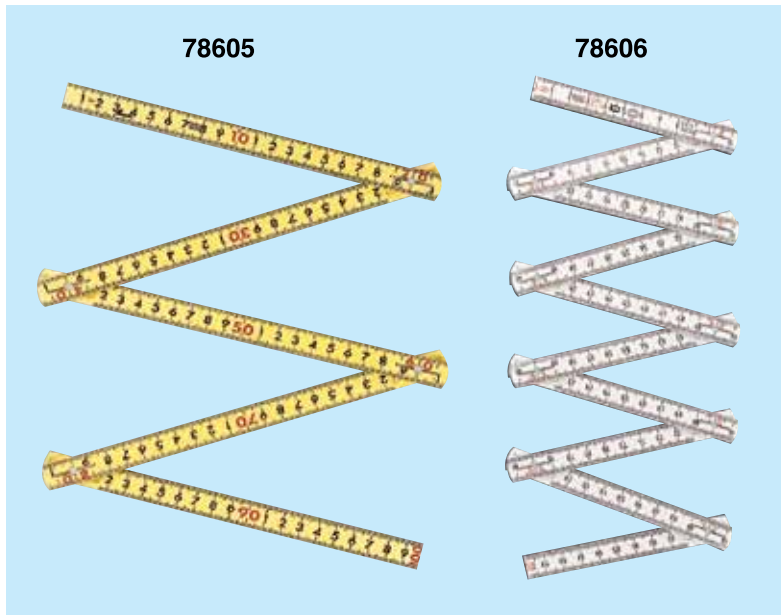


# บรรทัดพับได้ วัสดุ : ไฟเบอร์ FIBER FOLD RULE

Code No.	Size	Dimension (LxWxT) (mm)
78605	1 m 5-Fold	1000x15x3
78606	1 m 10-Fold	1000x13x2

## Features

- Made of Glass-fiber, light, no rust, hard to carry electricity
- Thick and big graduation are easy to read
- Can fix it at 90° and 180°
- Graduation is resistant in water
- Tolerance : Within  $\pm 1$  mm



# 3-TIMES RULE, Stretching at both sides

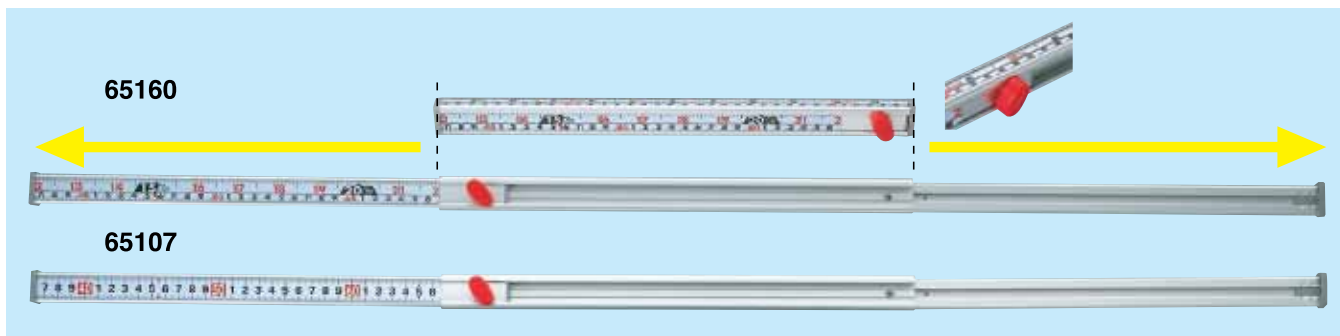
Code No.	Size	Dimension (WxT) (mm)
65107	95 cm	26.1x17.2
65108	190 cm	26.1x17.2
65109	280 cm	26.1x17.2
65105	360 cm	26.1x17.2
65106	400 cm	26.1x17.2

## Features

- Holding at the center due to stretching at both sides Useful to measure from one side to the other side.
- Graduation figures are big to read.

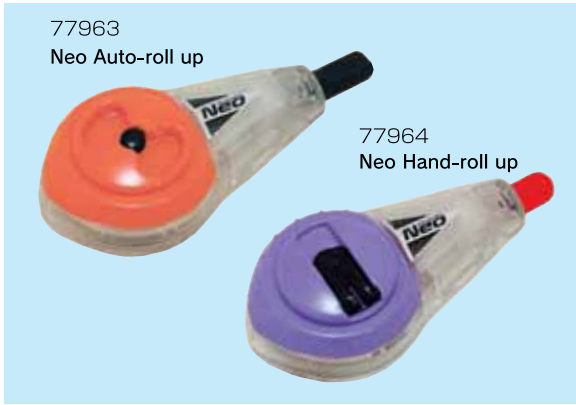
## How to use

- Interior construction and decoration, installing construction materials, stair construction building blocks, drainage construction, building stones.



Code No.	Tolerance of total length	Longest and shortest measurements	Material
65107	$\pm 0.4$ mm	36.4 to 97.0 cm	Body : Aluminium Tape : Steel Stopper Screw : Poly carbonate resin
65108	$\pm 0.6$ mm	69.7 to 190.9 cm	
65109	$\pm 0.8$ mm	100.0 to 281.8 cm	
65105	$\pm 0.9$ mm	127.3 to 363.7 cm	
65106	$\pm 1.0$ mm	142.4 to 409.1 cm	

# CHALK LINE, PLUMB HOLDER



**Skeleton body :**  
**Easy to check of remains of the chalk powder.**

- ① Simple disassembly
- ② Good adherence of powder
- ③ Sharp line marking
- ④ Easy to replace thread



78029 Fluorescent Pink  
 78030 Fluorescent Green



No.	Description of Goods		Size(mm)	Weight	Package	Auto Reel	Line Length
77963	Handy Chalk Line Neo	Auto-roll up	180×76×45.5	185g	36/CT	8mAuto	15m
77964	Handy Chalk Line Neo	Hand-roll up	160×76×45.5	115g	36/CT		15m
77927	Handy Chalk Line L	Hand-roll up	185×90×40	138g	36/CT		20m
78029	Chalk P	Fluorescent Pink		300g	36/CT		
78030	Chalk G	Fluorescent Green		300g	36/CT		
77935	Chalk Y	Yellow		300g	36/CT		
77936	Chalk R	Red		300g	36/CT		
77937	Chalk B	Blue		300g	36/CT		
77938	Chalk W	White		300g	36/CT		

77935,77936,77937,77938

Yellow Red Blue White



Water proof wall structure



Target plate included easy replace pins structure.



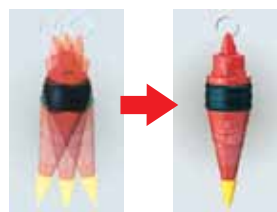
Wood



Concrete



with Plumbob



Quick swing stop structure



Target plate



Stainless Spring



Replace pins



Iron



Edge plumb

No.	Description of Goods	Color	Auto Balance	Line length
77376	Plumb Holder with Plumbob 400g	Red	100-800g	5m
77994	Plumb Holder Mini with Plumbob 200g	Red	100-400g	3.5m



# SUMITUBO (INK LINE)



Fit hands shape



Easy line replacement



No.	Description of Goods	Color	Size	Weight	Package	Auto Reel	Line Length
77472	Handy Ink Line Jr Auto	Pink	167×70×40	160g	36/CT	8mAuto	15m
77482	Handy Ink Line Jr Auto	Black	167×70×40	160g	36/CT	8mAuto	15m
77473	Handy Ink Line Jr	Blue	143×70×40	95g	36/CT		30m
77475	Ink Black			200ml	36/CT		
77476	Ink Red			200ml	36/CT		
77477	Ink White			200ml	36/CT		
77589	Ink Black L size (500ml)			500ml	12/CT		

# INK LINE / STUD FINDER



Parts that are subject to wear or damaged are replaceable.



Anchor pins fit safely into ink body when not in use sealing out debris and preventing ink from drying out.



Angled body allows you to hold line tight into corners for efficient string snaps.



Convenient hook tool allows you to make clean, precise string snaps.



77843 Safety Anchor Pin with Magnet



Safety Anchor Pin with Magnet is useful for iron, wood and concrete.

Easy to hold and move.

Magnet For Iron

Pin For Wood

Hook For Concrete

No.	Description of Goods	Color	Size	Weight	Package	Auto reel	Line Length
77481	Handy Ink Line Pro	Black	207×85.5×45.5	230g	36/CT	10mAuto	20m
77471	Handy Ink Line Pro	Blue	207×85.5×45.5	230g	36/CT	10mAuto	20m



78610 L with Magnet



78617 LL



78613 M

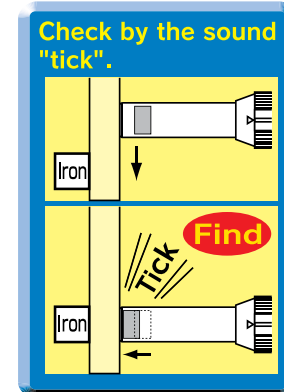


78614 L

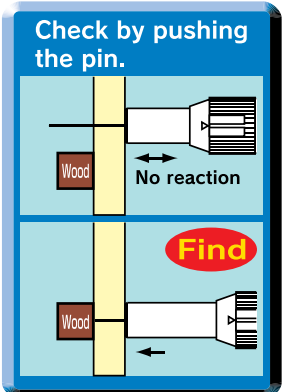


Replacement pins

Find stud with Magnet



Find stud with a Pin



No.	Description of Goods	Size	Weight	Inn.box
78610	Stud Finder L with Magnet	198×φ25	50g	10
78613	Stud Finder M	166×φ21	30g	
78614	Stud Finder L	186×φ21	36g	
78617	Stud Finder LL	205×φ21	36g	
78615	Replacement pin (M) 10pcs set	70×φ0.6	—	
78618	Replacement pin (L & LL) 10pcs set	90×φ0.7	—	

# ALUMINUM BEVEL GAUGE WITH DIAGONAL BRACE AND GRADUATION

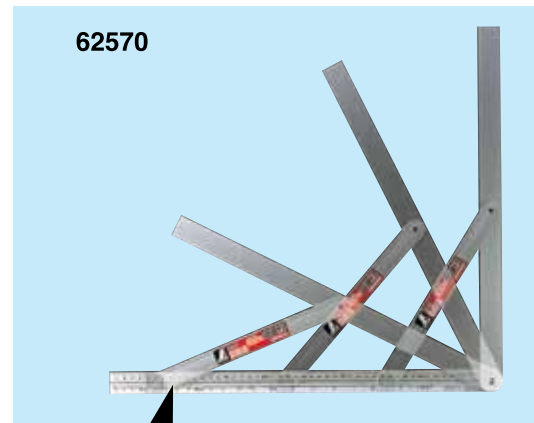
Code No.	Size	Dimension (LxWxT) (mm)
62569	300 mm	355x30x20
62570	450 mm	505x30x20
62571	600 mm	655x30x20
62572	900 mm	955x30x20
62573	1200 mm	1,255x30x20

## Features

- Fix with diagonal brace. That prevents from changing the angle.
- The material of aluminum is so light it is easy to work at a height.
- A rod is so thick that it is useful as a circular saw guide.
- As rod can move from side to side, easy to apply symmetry.

## How to use

- Useful for copying and drawing a degree of roof inclination and so on.
- After measuring an inclination, use it as a circular saw guide.
- Graduation is also for measuring length.
- Read and write graduations as well as erasing them in using pencil.



62570



## Material

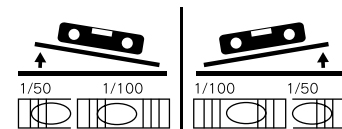
Body : Aluminium  
Screw : Brass

# ระดับน้ำอลูมิเนียม BLUE LEVER PRO

Code No.	Size	Dimension (WxT) (mm)
76390	300 mm	65x27
76391	380 mm	65x27
76393	450 mm	65x27
76394	600 mm	65x27
76395	900 mm	65x27
76396	1200 mm	65x27
76398	1500 mm	65x27
76400	1800 mm	65x27
76403	300 mm w/Magnet	65x27
76404	380 mm w/Magnet	65x27
76405	450 mm w/Magnet	65x27
76407	600 mm w/Magnet	65x27
76408	900 mm w/Magnet	65x27
76409	1200 mm w/Magnet	65x27
76411	1500 mm w/Magnet	65x27
76412	1800 mm w/Magnet	65x27

## Features

- High accuracy ( $\pm 1$  mm/M) for all items.
- Big vials are easy to check.
- With 45° angle vials.
- Big size cap protection.
- V shape groove base for pipe leveling.
- Measure 1/50, 1/100 inclination.



## Material

Body : Aluminium  
Part or rubber : Elastomer  
Liquid : Petrochemical liquid

## Specification

Sensitivity : 0.35mm/M = 0.0201°  
Accuracy : Within  $\pm 1.00$ mm/M =  $\pm 0.0573^\circ$



## BLUE LEVEL PRO

76390  
(300 mm)



76394  
(600 mm)



## HANDY LEVEL REVO

Code No.	Description	Dimension (LxWxT) (mm)
76424	Single white	72.5x72.5x18
76425	Single blue	72.5x72.5x18
76426	Double white	95x45x22
76427	Double blue w/Magnet	95x45x22
76428	Triple white	120x53.5x16
76429	Triple blue w/Magnet	120x53.5x16

76426



76427



76424



76425



76428



76429



### Features

- Single : Horizontal, Vertical, 45° angle measure in one.
- V Shape groove base for a pipe leveling.
- With Magnet : strong neodymium magnet for I-Beam building construction site.



### Specification

- Sensitivity : 0.5 mm/M = 0.0286°
- Accuracy : Within  $\pm 2.5$  mm/M =  $\pm 0.1432^\circ$

### Material

Body : ABS resin  
 Frame : Acrylic resin  
 Liquid : Petrochemical liquid

## HANDY LEVEL

Code No.	Description	Dimension (LxWxT) (mm)
76045	100 mm	100x46x20
76048	100 mm w/Magnet	100x46x20

76045



76048



### Features

- V Shape groove base for a pipe leveling.

### Specification

- Sensitivity : 0.5 mm/M = 0.0286°
- Accuracy : Within  $\pm 2.5$  mm/M =  $\pm 0.1432^\circ$

### Material

Body : ABS resin  
 Frame : Acrylic resin  
 Liquid : Petrochemical liquid

## HANDY LEVEL

Code No.	Description	Dimension (LxWxT) (mm)
76503	Level for square	63x30x20

### Features

- A groove to attach a rule or a square.
- Use it on plane surface

### Specification

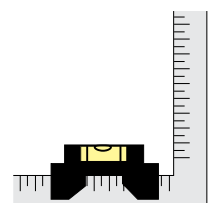
- Sensitivity : 0.5 mm/M = 0.0286°
- Accuracy : Within  $\pm 2.5$  mm/M =  $\pm 0.1432^\circ$

### Material

Body : ABS resin  
 Frame : Acrylic resin  
 Liquid : Petrochemical liquid



76503

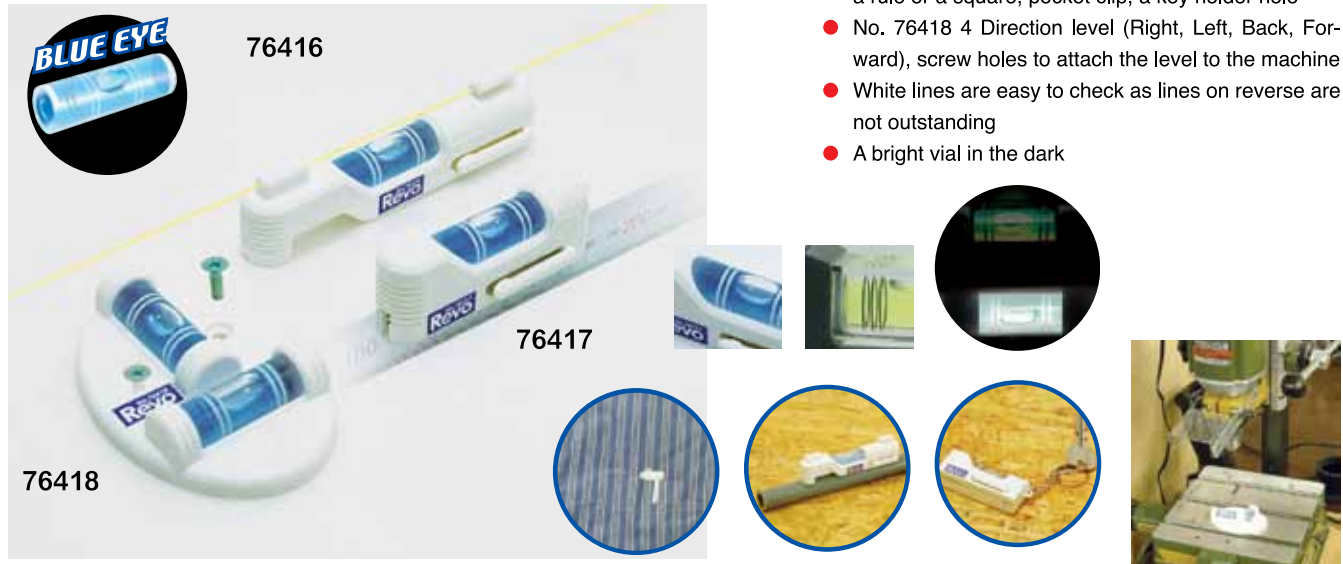


# MINI LEVEL REVO

Code No.	Description	Dimension (LxWxT) (mm)
76416	Line Leveling	100x19x26
76417	Rules and Square	71x19x25
76418	4 Direction Level	80x55x15

## Features

- No. 76416 For a line leveling, a pipe leveling, pocket clip
- No. 76417 For rules and squares, a groove to attach a rule or a square, pocket clip, a key holder hole
- No. 76418 4 Direction level (Right, Left, Back, Forward), screw holes to attach the level to the machine
- White lines are easy to check as lines on reverse are not outstanding
- A bright vial in the dark



## Specification

- Sensitivity : 0.5 mm/M = 0.0286°
- Accuracy : Within  $\pm 2.5$  mm/M =  $\pm 0.1432^\circ$

## Material

Body : ABS resin  
Liquid : Petrochemical liquid

# MINI LEVEL

Code No.	Description	Dimension (LxWxT) (mm)
76037	A : Circle Type	$\varnothing 45 \times 11$
76043	C : Clip Type	100x25x17
76046	D : Cross Type	75x25x15
76050	E : Rule Attach Type	75x25x15
76062	G : Key Holder Type	42x15x15
76060	H : Cube Type	50x27x35
76081	I : Check Type	74x54x14

## Features

- No. 76037 Screw holes to attach the level to the machine
- No. 76043 A line leveling, a pipe leveling
- No. 76046 Whole surfaces are used to measure the horizontal, vertical and right angle
- No. 76050 A groove to attach a rule and a square
- No. 76062 Key holder type
- No. 76060 Check measuring pole with band
- No. 76081 4 Direction level (Right, Left, Back, Forward) screw holes to attach the level to the machine



A	
C	
D	
E	
G	
H	
I	

## Specification

- Sensitivity : 0.5 mm/M = 0.0286°
- Accuracy : Within  $\pm 2.5$  mm/M =  $\pm 0.1432^\circ$

## Material

Body (A, D, E, G) : Acrylic resin  
Body (C, H, I) : ABS resin  
Vial : Acrylic resin  
Liquid : Petrochemical liquid

## VIAL CIRCLE TYPE

Code No.	Description	Dimension (LxWxT) (mm)
76328	A : Ø 11 mm (Set of 2 pcs.)	Ø 11x8.5
76329	B : Ø 16 mm (Set of 2 pcs.)	Ø 16x8.5

### Features

- Make various uses of them like installing them on parts, tripod of camera, turn-table

### Specification

- Sensitivity (A) : 14 mm/M = 0.80°  
(B) : 7 mm/M = 0.40°

### Material

Body : Acrylic resin  
Liquid : Petrochemical liquid

\* Their sensitivity shows the inclination, in which a bubble moves 1 mm.

76328 A



76329 B



## CRYSTAL LEVEL

Code No.	Description	Dimension (LxWxT) (mm)
76488	Level Flat type	100x40x15

### Features

- Whole surfaces are used to measure the horizontal, vertical and right angle
- With scale of mm, cm

### Specification

- Sensitivity : 0.5 mm/M = 0.0286°
- Accuracy : Within ±2.5 mm/M = ±0.1432°

### Material

Body : Acrylic resin  
Liquid : Petrochemical liquid



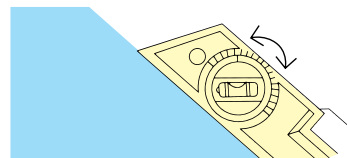
## LEVEL WITH ROTATING VIAL

Code No.	Description	Dimension (LxWxT) (mm)
76470	250 mm with Magnet	250x58x18



### Features

- Measure angles with vial rotated from 0 to 90°
- With useful graduation of 25 cm
- Measure 45°, 60°, 120° and 135°



### Specification

#### Horizontal Vial

- Sensitivity : 0.5 mm/M = 0.0286°
- Accuracy : Within ±1.5 mm/M = ±0.0859°

#### Vertical Vial

- Sensitivity : 0.5 mm/M = 0.0286°
- Accuracy : Within ±34.9 mm/M = ±2.0°

### Material

Body : Poly-carbonate  
Frame : Acrylic resin  
Liquid : Petrochemical liquid

## MULTI-LEVEL

Code No.	Description	Dimension (LxWxT) (mm)
78997	A-150 with Magnet	78x62x15
78996	A-300 with Magnet	93x79x15
78966	A-600 with Magnet	141x132x20

### Features

- Measure angles easily and accurately with vernier graduation.

78966



78996



78997



### Specifications

Code No.	78997	78996	78966
Accuracy	±0.6°		
Minimum Indicator	0.2°	0.2°	0.08°
Body Material	Plastic	Plastic	Aluminum die-cast
Accessories	Magnet overleaf		
	SUS Rule 15 cm	-	-

# BLUE SLANT RULE

**Big and clear scale markings!**

**78544 Dial type**



Sensitivity: 2.0mm/m=0.1146'  
 Accuracy: ±17.5mm/m= within ±1.0'  
 Material (Body): ABS Resin  
 Body Size: 107x230mm  
 Net weight: 100g

Item No.	Description	Inn box	JAN code
78544	Blue Slant Rule Dial type	5	4 960910 785441

**Read angle & gradient from front and back!**

**Strong neodymium magnet makes your work easy!**

**78545 Dial type with Magnet**



**78543 Bubble type**

Sensitivity: 0.7mm/m=0.0401'  
 Accuracy: ±17.5mm/m= within ±1.0'  
 Material (Body): ABS Resin  
 Body Size: 109x235mm  
 Net weight: 80g

Item No.	Description	Inn box	JAN code
78543	Blue Slant Rule Bubble type	5	4 960910 785434

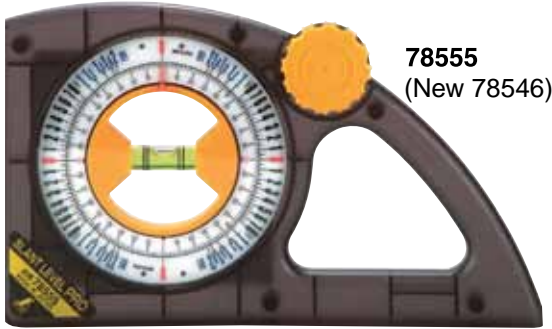


Sensitivity: 2.0mm/m=0.1146'  
 Accuracy: ±17.5mm/m= within ±1.0'  
 Material (Body): ABS Resin  
 Body Size: 107x230mm  
 Net weight: 115g

Item No.	Description	Inn box	JAN code
78545	Blue Slant Rule Dial type with Magnet	5	4 960910 785458

# SLANT LEVEL PRO

Code No.	Description	Dimension (LxWxT) (mm)
78555	Slant Level PRO	250x150x20



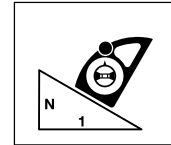
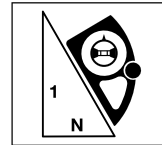
## Features

- Measure 360° angle and inclination with tuning the dial
- V-Shape groove base for a pipe leveling
- A big graduation with dial are easy to read
- The detail as per table on the back side
- A big dial is easy to rotate and endless



For civil engineering

For building



## Specification

- Sensitivity : 0.5 mm/M = 0.0286°
- Accuracy : Within ±17.5 mm/M = ±1.0°
- Minimum graduation 2°

## Material

Body : ABS resin  
Vial : Acrylic resin  
Liquid : Petrochemical liquid

# SLANT RULE

Code No.	Description	Dimension (LxWxT) (mm)
78565	A : Standard Slant Rule	240x97x9
76044	A-2 : with handle & Magnet	200x112x12
78549	B : Dial Type	232x91x19
78550	B2 : Dial Type with Magnet	200x106x14
78554	B4 : Dial Type for building	200x106x14
78581	C : with steel frame	248x100x13

## Features

- Dial type : Graduations are easy to read.
- Vial type : We can check from the reverse side.

## How to use

- For measuring angles.
- Different ways to measure between civil engineering and building. Only B-4 is for building.

78565 [A] (New 78543)



78549 [B] (New 78544)



78554 [B-4] (New 78544)



76044 [A-2] (New 78543)



78550 [B-2] (New 78545)



78581 [C] (New 78543)



## Specification

- Dial Type**
- Sensitivity : 2.0 mm/M = 0.1146°
  - Accuracy : Within ±17.5 mm/M = ±1.0°

- Vial Type**
- Sensitivity : 0.7 mm/M = 0.0401°
  - Accuracy : Within ±17.5 mm/M = ±1.0°

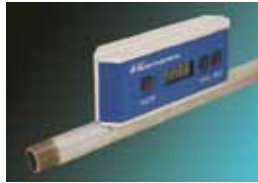
## Material

Body (A, B) : Foam Polystyrene  
Body (A2, B2, B4) : ABS resin  
Body (C) : Foam Polystyrene (Frame : Aluminum)  
Vial : Petroleum



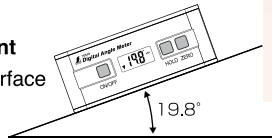
## DIGITAL ANGLE METER

Code No.	Description	Dimension (LxWxT) (mm)
76549	Digital angle meter	151x60x33
76486	Digital angle meter w/Magnet	151x60x33

**76549**


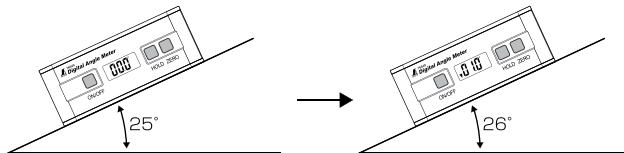
### Horizontal measurement

Display the angle of surface off the horizontal plane



### Relative measurement measurement

Set an alternate reference point. It allows us to set angles as 00.0° reference point from which to take measurement. For instance, we may want a surface that is actually 25° off the horizontal displayed as 00.0° so you can measure all other angles from that benchmark.



## DIGITAL LEVEL

Code No.	Description	Dimension (LxWxT) (mm)
76326	Digital Level 600 mm	600x59x26
76327	Digital Level 600 mm With Magnet	600x59x26


**76326**


### Specification

- Vial Sensitivity : 0.35 mm/M = 0.0201°
- Vial Accuracy : Within ±1 mm/M = ±0.0573°
- Digital : Height of ascent by 1 m Sensitivity : 0.5 mm/M = 0.0286° (for 10 seconds) less than 100 mm Accuracy : Within ±1 mm/M = ±0.0573°
- Digital : Height of ascent by 1 m Sensitivity : 0.5 mm/M = 0.0286° (for 10 seconds) 100 mm or more than 100 mm Accuracy : Within ±2 mm/M = ±0.1146°
- Minimum Indicator : 1 mm/M, 0.05°, 0.1%
- Time for stable display : 10 seconds
- Battery : S-006P × 1 pc.
- Temperature in use : -5~50°C
- Body Material : Aluminum, Vial : Acrylic resin, Liquid : Petrochemical liquid

### Features

- Measure height of ascent by 1 m, angles and inclination in addition to the horizontal and vertical.
- Figures always are displayed upward even though the body is upside-down.
- With signal sound for 0° and 90°
- Both upper and bottom surface for measurement.
- The battery mark informs us regarding battery consumption.
- With the function of calibration in digital display
- With the function of calibration in vials.
- Measure at the position out of sight with "HOLD" function.



### How to use

- Height of ascent by 1M-For building and piping
- Angles-For civil engineering
- Inclination (%) - In works of road construction.

### Features

- Set and as 0.00° reference point from which to take measurement.
- Measure at the position out of sight with "HOLD" function.
- V shape groove base for a pipe leveling.
- Equipped with strong aluminum frame.
- Figures always are displayed upward even though the body is upside-down.

### Specification

- Measuring range : 90° × 4 angles (360°)
- Minimum indicator : 0.1°
- Accuracy : 0°, 90° : ±0.1° (±1.75 mm/M) other than the above : ±0.2° (±3.5 mm/M)
- Temperature in use : 5~50°C
- Temperature in stock : 5~60°C
- Humidity in use : 85 and less than 85%
- Batter : CR2032 × 1 pc.
- Battery life : 2,000 hours in continuous use
- Automatic power-off : 6 minutes
- Body material : ABS resin, Aluminum
- Accessories : Trial battery 1 pc., Holder case 1 pc.

### How to use

- For measurement of any angles

# เหล็กขีด SCRIBING PEN

Code No.	Description	Dimension (LxØ) (mm)
78638	(A) Hexagon handle type	150x6
78646	(B) KW type	220x7
78654	(C) Pencil type	140x8
74444	(D) Round handle type	128x10
74445	(E) Pen type	134x10

## Features

- A, B, C with super-Hard Tips.
- D, E with Tungsten Carbide Tips.

## Material

- Body : A, B Steel
- Body : C ABS resin
- Body : D, E Brass



# อะไหล่ปลายเหล็กขีด SPARE TIP FOR SCRIBING PEN

Code No.	Description	Dimension (LxØ) (mm)
78650	for No.78654 (2 pcs/pack)	38x2
74468	for No.74444 (1 pc/pack)	64x3.5
74469	for No.74445 (1 pc/pack)	118x5



# MAGNET T-HANDLE

Code No.	Description	Holding Power	Size ØxT (mm)	Magnetism
73520	C Ø25 mm	25N (2.5kgf)	Ø25x30	Anisotropic
73539	D Ø40 mm	150N (15kgf)	Ø40x35	Anisotropic
73547	E Ø50 mm	250N (25kgf)	Ø50x35	Anisotropic



# MAGNETIC HANGER FOR TOOLS

Code No.	Description	Holding Power	Dimension (L×W×T) (mm)	Magnetism
72008	Magnet hanger	1.3 kgf.	380×49×14	Anisotropic



1.3 kg

### Features

- Easy to put on and remove tools. Useful to keep tool.
- Fixing a body with belonging screw. Sticking tools to magnets.

72008



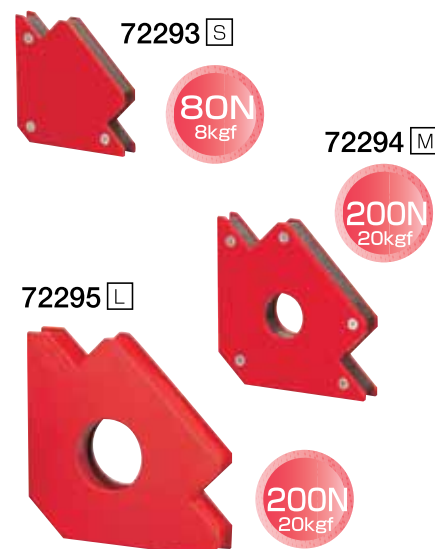
# WELDING MAGNET

Code No.	Description	Holding Power	Dimension (L×W×T) (mm)	Magnetism
72293	S	80N (8kgf)	120×82×16	Anisotropic
72294	M	200N (20kgf)	155×102×20	Anisotropic
72295	L	200N (20kgf)	190×121×27	Anisotropic

### Features

- Convenient shape such as 45° and 90°. Powerful magnet is useful for temporary fixing in welding works.
- Frame Material : Steel and Plastic

<p>Keeping welded materials</p>	<p>Making 45° and 90°</p>	<p>In works of soldering</p>
<p>Welding circle bars</p>	<p>Attaching round surface for fixing a flange</p>	<p>Fixing screws</p>
<p>Making a base in scribing</p>	<p>Removing steel waste</p>	<p>Floating steel boards</p>



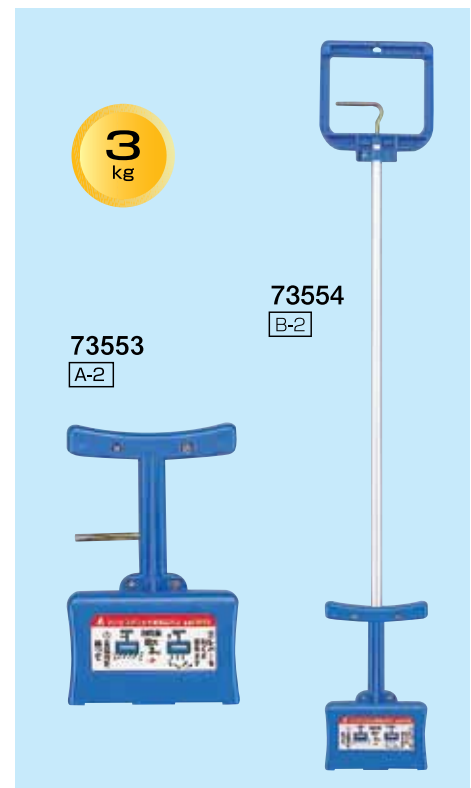
## HAND MAGNET ATTACH AND REMOVED TYPE

Code No.	Description	Holding Power	Dimension (L×W×T) (mm)	Magnetism
73553	A-2	3kgf.	160×98×52	Anisotropic
73554	B-2 with Long Handle	3kgf.	680×110×52	Anisotropic



### Material

- Body : Polystyrene resin
- Lever : Steel
- Holding surface : SUS304



3 kg

73553  
A-2

73554  
B-2

## HAND MAGNET ATTACH AND REMOVED TYPE WITH CASTER

Code No.	Description	Holding Power	Dimension (L×W) (mm)	Magnetism
73556	Hand Magnet with Caster	–	715~1,015×320	Anisotropic



73556



### Features

- Speed up collecting steel fragments in wide area.
- Handling the lever with a hand.
- With turning casters, free to run.
- Easy handling with the big lever.
- 2 steps stretch : 715 mm and 1,015 mm long.

715 mm

1,015 mm



## MAGNET BAR TYPE IN VINYL CASE

Code No.	Description	Holding Power	Dimension (L×W×T) (mm)	Magnetism
73514	A Circle type × 2pcs.	0.2N (20gf.)	∅9×90	High Carbon Steel
73515	B Rectangular type × 2pcs.	0.5N (50gf.)	150×19×6	High Carbon Steel

73514



0.2N  
20gf

73515



0.5N  
50gf

## MAGNET U TYPE IN BLISTER PACK

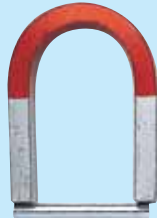
Code No.	Description	Holding Power	Dimension (L×W×T) (mm)	Magnetism
73530	A-1	6N (600gf)	100×65×8	High Carbon Steel
73532	A-2	4.5N (450gf)	77×57×8	High Carbon Steel
73531	B-1	2.5N (250gf)	90×52×5	High Carbon Steel
73533	B-2	1N (100gf)	62×44×4	High Carbon Steel

73530 [A-1]



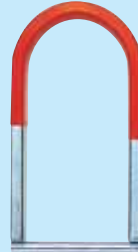
6N  
600gf

73532 [A-2]



4.5N  
450gf

73531 [B-1]



2.5N  
250gf

73533 [B-2]



1N  
100gf

## MAGNET WITH HANDLE IN BLISTER PACK

Code No.	Description	Holding Power	Dimension (L×W×T) (mm)	Magnetism
72290	H-2 Stretchable type	10N (1kgf)	∅11×133~645	Anisotropic
72291	H-3 Stretchable type	15N (1.5kgf)	∅13×132~540	Anisotropic
72456	H-4 Stretchable type with light	20N (2kgf)	18×18×185~660	Anisotropic
73511	H-5 Flexible type with light	20N (2kgf)	∅20×605	Anisotropic

72290 [H-2]

10N  
1kgf



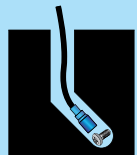
72291 [H-3]

15N  
1.5kgf



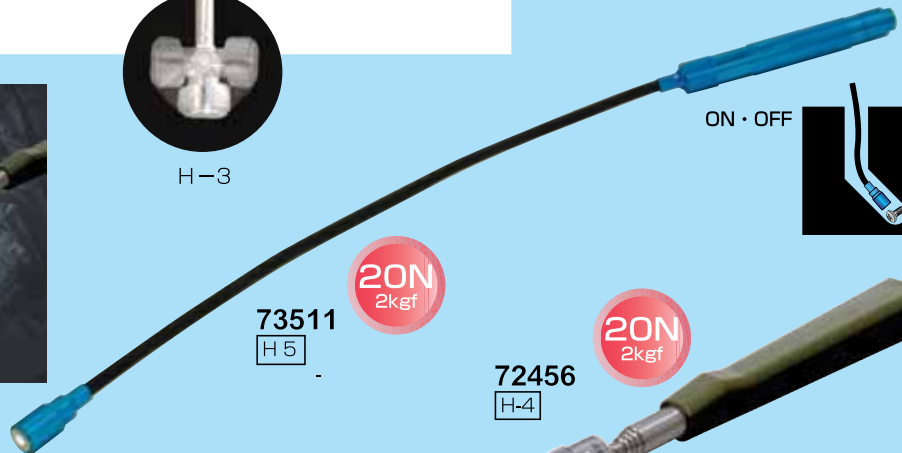
H-3

ON · OFF



73511 [H-5]

20N  
2kgf



20N  
2kgf

72456 [H-4]

