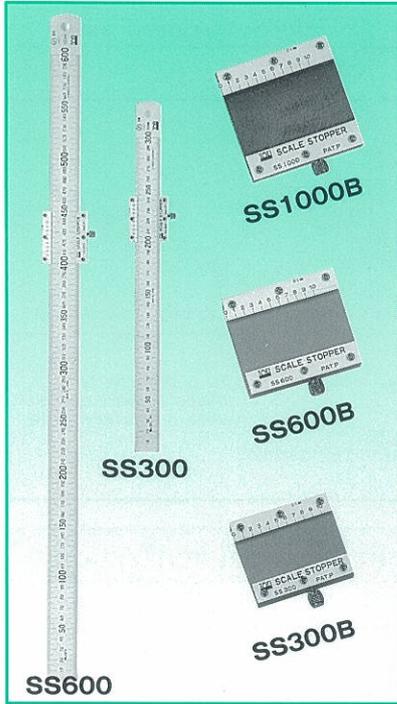


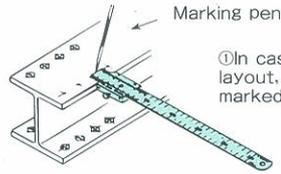
TOEI BRAND SCALE & PROTRACTOR

SCALE STOPPER your straight rule can get 1/10's graduation easily

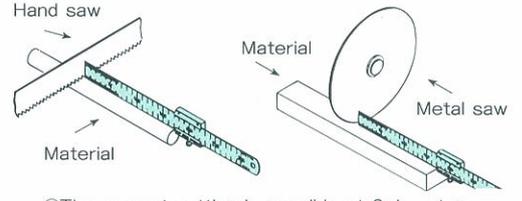
- Vernier reading only with stopper for straight rule.
- It is possible to attach to JIS 1st class's straight rule.
- Scale Stopper can be used with straight rule as Vernier Caliper.



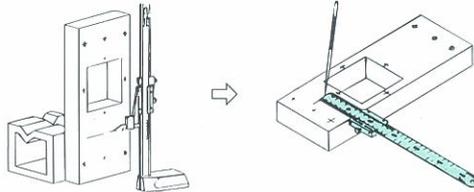
EXAMPLE



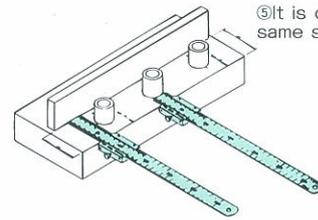
① In case of the same size's layout, this Scale Caliper can be marked speedily.



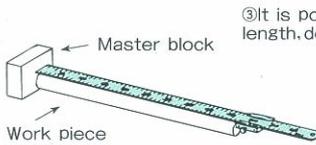
④ The correct cutting is possible at 0.1mm step



② It is possible to use instead of Height Gauge and, it is not necessary to put on the surface plate.



⑤ It is convenient when the same size's welding.



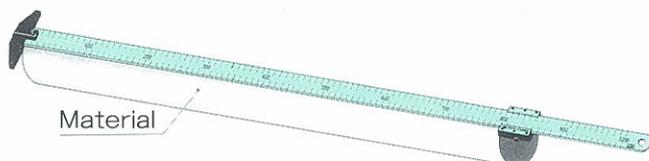
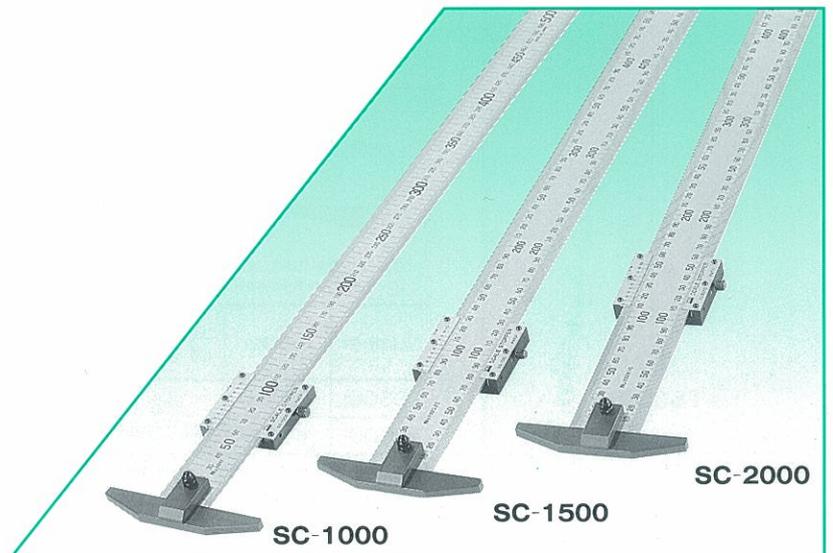
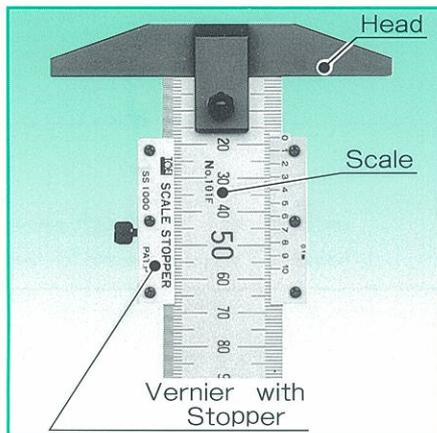
③ It is possible to measure the length, depth & etc. correctly.

Model Number	Size (mm)	Min. Reading	Size of Stopper (mm)
SS300B	SS300	300	44L × 38W × 9t
SS600B	SS600	600	50L × 44W × 9t
SS1000B	SS1000	1000	50L × 50W × 9t
SS1500B	SS1500	1500	50L × 54W × 12t
SS2000B	SS2000	2000	50L × 54W × 12t
SS3000B	SS3000	3000	50L × 54W × 12t

SCALE CALIPER for speedy measurement of long size's materials

- It is possible to use this Scale Caliper instead of long size's Vernier Caliper with 1/10mm reading.
- About 1/10 price than Vernier Caliper.
- It is possible to measure the long length by one in light weight.

Model Number	Max. Range (mm)	Min. Reading	Scale	Head (mm)	Stopper (mm)
SC1000	1000	0.1 (mm)	JIS 1st class Hard Chrom	100 × 16 × 6t	50L × 50W × 9t
SC1500	1500				50L × 54W × 12t
SC2000	2000				50L × 54W × 12t
SC3000	3000		Head Chrom		

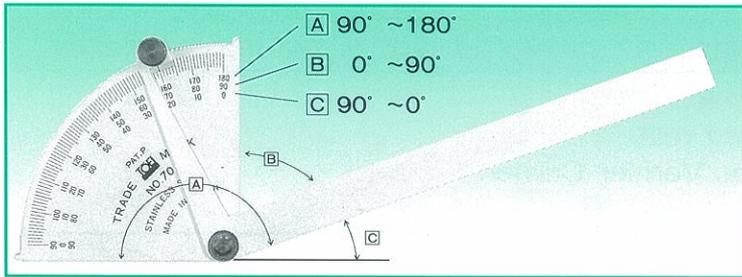


☆ THE COMPARISON OF SCALE CALIPER AND VERNIER CALIPER ☆

JIS 1ST CLASS'S SCALE	JIS 1ST CLASS'S VERNIER CALIPER
Length (mm)	MAX. Range (mm)
500 under	300
501 ~ 1000	600
1001 ~ 1500	1000
1501 ~ 2000	JIS Standard is nothing 1000 over

AT-UNIVERSAL PROTRACTOR

for every angle's measurement

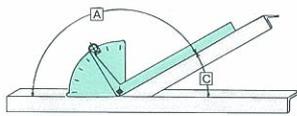


- It is possible to measure the angle both of inside and outside, and every acute angle.

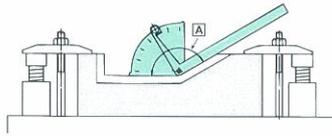
Material	Stainless
Protractor	Radius 70 × 1.2t
Scale	90° × 1°
Finished	Hard chrome Finish

EXAMPLE

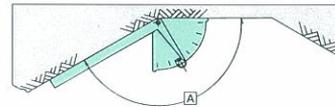
<INSIDE ANGLE>



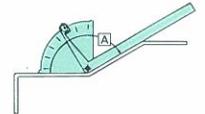
① to fix the position



② for cutting

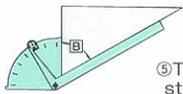


③ to measure the inside angle in the building



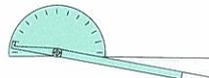
④ to bend the material

<OUTSIDE ANGLE>

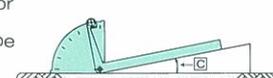


⑤ The same method as standard protractor

<ACUTE ANGLE>



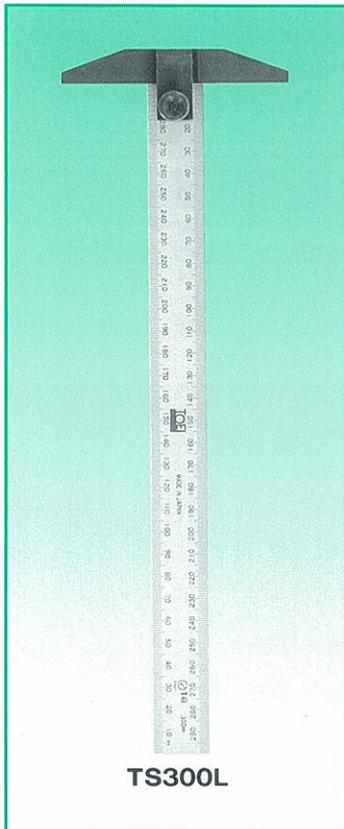
⑥ The standard protractor can not measure less than 25° but this AT type Protractor can measure



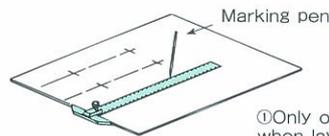
⑦ It is possible to measure every acute angle on surface plate

T-SCALE DISCONTINUED

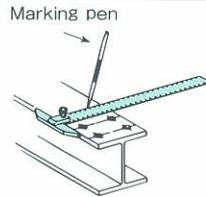
for speedy layout of steel materials



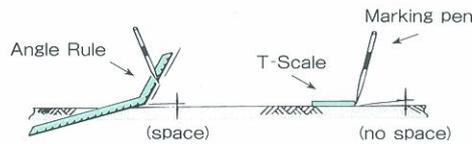
EXAMPLE



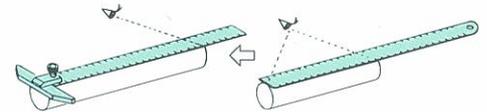
① Only one point hold when layout the square line or the parallel line



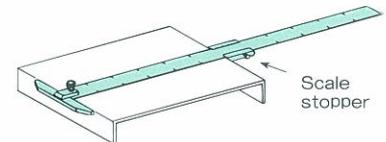
② It is possible to layout on thin materials



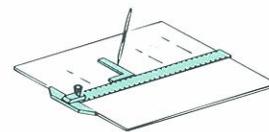
③ It can be held on the materials without space and it is more convenient than Carpenters square



④ When measure the length by straight Rules, it is necessary to look 2 points. But this T-scale can measure by only one point looking



⑤ Please combine with TOEI brand Scale Stopper. It is possible to use as Vernier Caliper with 1/10 mm reading



⑥ Please use with Flat type Square. It is possible to layout square line, parallel line speedy.



⑦ The normal marking is possible for flexible rule.

Number	Range	Standard of scale	Size of head (mm)
TS300L	300mm	JIS	100×16×6t
TS600L	600mm	1st class	120×16×6t

Specifications and appearance are subject to change without notice due to improvement

DISTRIBUTOR



TOEI MFG. CO., LTD.

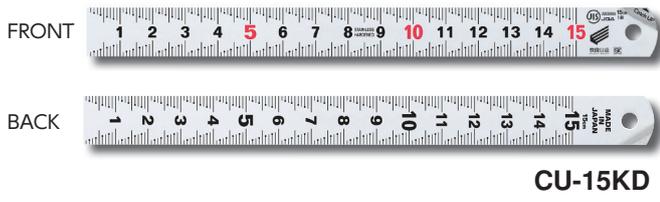
19-1, 4-CHOME, HIGASHI FUKATSU-CYO,
HIROSHIMA, JAPAN.

TEL (0849) 21-9777

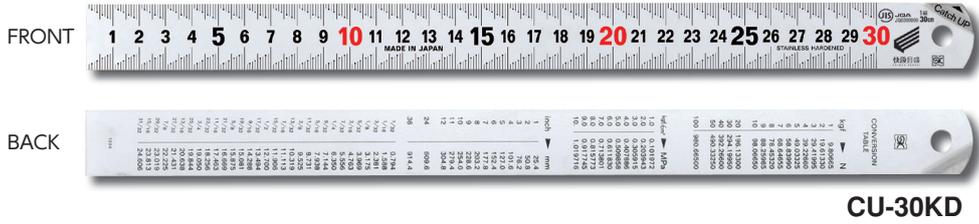
FAX (0849) 21-9776

KAIDAN(Ziggurat) CATCH-UP SCALE

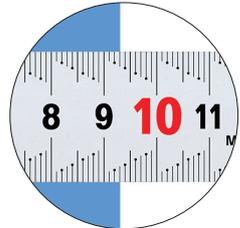
Easy to pick up with on hand
New stepped millimeter graduations prevents misreading



CU-15KD



CU-30KD



USE • For measuring dimensions, drawing a straight line and/or scribing

MATERIAL

- Stainless steel (SUS420J2)

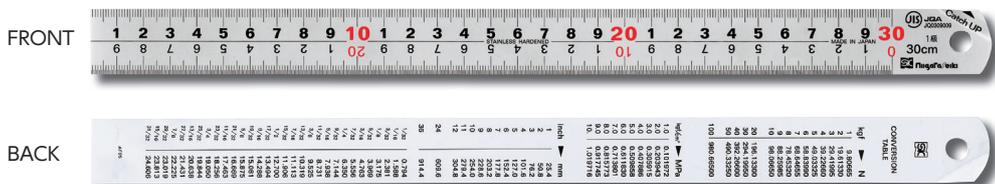
FEATURES

- Increasing height of each mark makes it easier for eye to distinguish 1mm steps
- Sequential number style can be read directly without checking the surrounding numbers. 2mm point markings
- Bent up edge makes scale easy to pick up with one hand.
- Edges are finished smooth to prevent marring surfaces
- JIS B7516
- Satin finish

Order No.	Model No.	Size (mm)	Finish	Accuracy (mm)	Length (mm)	Width (mm)	Thickness (mm)	Weight
NEW 111158	CU-15KD	150	Satin	±0.15	175	15	0.5	10g
NEW 111159	CU-30KD	300	Satin	±0.15	335	25	1	65g

CATCH-UP SCALE

Press on edge to lift. Easy to pick up with on hand



CU-30



USE • For measuring dimensions, drawing a straight line and/or scribing

MATERIAL

- Stainless steel (SUS420J2)

FEATURES

- Bent up edge makes scale easy to pick up with one hand.
- Edges are finished smooth to prevent marring surfaces
- JIS B7516

Order No.	Model No.	Size (mm)	Finish	Accuracy (mm)	Length (mm)	Width (mm)	Thickness (mm)	Weight
111170	CU-15	150	Satin	± 0.15	175	15	0.5	10g
111171	CU-30	300	Satin	± 0.15	335	25	1	65g
111172	CU-60	600	Satin	± 0.20	640	30	1.2	180g
111173	CU-100	1000	Satin	± 0.20	1050	35	1.5	425g

ALUMINUM RULER--KAIDAN(Ziggurat)



Increasing height of each mark makes it easier for eye to distinguish 1mm steps



AS-30

USE • For measuring distance, cutting and/or scribing

MATERIAL
• Aluminum

FEATURES

- Increasing height of each mark makes it easier for eye to distinguish 1mm steps
- Two color printing (Navy & Red), easy to distinguish the lines and graduations when drawing
- Centered-zero secondary markings on some models (AS-30 · AS-60 · AS-100)
- With anti-slip sheet (except AS-15), and grip groove.

Order No.	Model No.	Size (mm)	Center-zero secondary marking (Yes/No)	Accuracy (mm)	Length (mm)	Width (mm)	Thickness (mm)	Weight
111165	AS-15	150	None	± 0.16	180	35	5	36g
111166	AS-30	300	Yes	± 0.20	330	35	5	65g
111167	AS-45	450	None	± 0.25	480	35	5	95g
111168	AS-60	600	Yes	± 0.28	630	35	5	124g
111169	AS-100	1000	Yes	± 0.40	1030	35	5	203g

ALUMINUM CUTTING RULER--KAIDAN(Ziggurat)



Optimal for cutting with no-slip backing and Stainless plate



ACS-60



With Stainless steel plate to protect blade when used as cutting guide

RULES

CARPENTER'S SQUARES

ANGLE SQUARES

USE • For measuring dimensions, drawing a straight line, cutting and/or scribing

MATERIAL
• Aluminum

FEATURES

- Increasing height of each mark makes it easier for eye to distinguish 1mm steps
- Two color printing (Navy & Red), easy to distinguish the lines and graduations when drawing
- Centered-zero secondary markings.
- Anti-slip back sheet and Stainless steel back plate.

Order No.	Model No.	Size (mm)	Center-zero secondary marking (Yes/No)	Accuracy (mm)	Length (mm)	Width (mm)	Thickness (mm)	Weight
NEW 006851	ACS-60	600	Yes	± 0.28	630	61	9	330g
NEW 006852	ACS-100	1000	Yes	± 0.40	1030	61	9	530g
NEW 006853	ACS-150	1500	Yes	± 0.55	1530	61	9	770g
NEW 006854	ACS-200	2000	Yes	± 0.70	2030	61	9	1020g

SCALE

ALUMINUM CUTTING RULER WITH HANDLE--KAIDAN(Ziggurat)



Optimal for cutting with no-slip backing and Stainless plate. Handle to help stabilize work



ACS-60H



Handle has slot for blade removal



With Stainless steel plate to protect blade when used as cutting guide.

USE • For measuring dimensions, drawing a straight line, cutting and/or scribing

MATERIAL

- Aluminum

FEATURES

- Increasing height of each mark makes it easier for eye to distinguish 1mm steps
- Handle to help stabilize work while cutting
- Slot in handle for snapping off utility knife blade
- Two color printing (Navy & Red), easy to distinguish the lines and graduations when drawing
- Centered-zero secondary markings.
- Anti-slip back sheet and Stainless steel back plate.

Order No.	Model No.	Size (mm)	Center-zero secondary marking (Yes/No)	Accuracy (mm)	Length (mm)	Width (mm)	Thickness (mm)	Weight
NEW 006855	ACS-60H	600	Yes	±0.28	630	61	58	500g
NEW 006856	ACS-100H	1000	Yes	±0.40	1030	61	58	700g
NEW 006857	ACS-150H	1500	Yes	±0.55	1530	61	58	940g
NEW 006858	ACS-200H	2000	Yes	±0.70	2030	61	58	1190g

KAIDAN(Ziggurat) TRIANGLE SCALE



New stepped millimeter graduations prevents misreading.



TSB-30KD

TSB-15KD

USE • Drafting, for reading scaled drawing.

MATERIAL

- ABS

FEATURES

- Increasing height of each mark makes it easier for eye to distinguish 1mm steps

Scale specification

- Scale : 1/20、1/50、1/100、1/200、1/250、1/300

Order No.	Model No.	Length (mm)	Width (mm)	Thickness (mm)	Weight
NEW 111148	TSB-15KD	170	18	16	15g
NEW 111149	TSB-30KD	325	27	24	60g

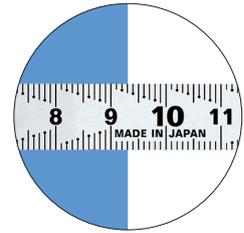
RULES

CARPENTER'S SQUARES

ANGLE SQUARES

SCALE

New stepped millimeter graduations prevents misreading



USE • For measuring dimensions, drawing and marking work

MATERIAL

- Stainless steel (SUS420J2)

FEATURES

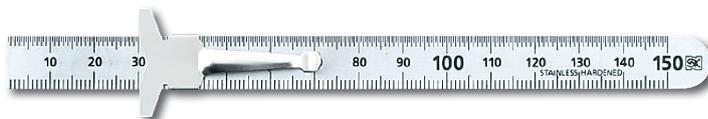
- Increasing height of each mark makes it easier for eye to distinguish 1mm steps
- Sequential number style can be read directly without checking the surrounding numbers. 2mm point markings
- Can be used as depth gauge by sliding clip along scale.
- With clip for easy carrying
- Edges are finished smooth to prevent marring surfaces
- Satin finish



With clip for easy carrying

Order No.	Model No.	Size (mm)	Finish	Length (mm)	Width (mm)	Thickness (mm)	Weight
009903	SVC-15KD	150	Satin	160	12	0.5	8g

METAL SCALE WITH CLIP



SVC-150

USE • For measuring distance, drawing a straight line and/ or scribing

MATERIAL

- Stainless steel (SUS420J2)

FEATURES

- Clip for easy carrying
- Slide is helpful for measure depth and steps
- Satin finish (SVC-150)
- Polished finish (STC-150)

Order No.	Model No.	Nominal Size (mm)	Length (mm)	Width (mm)	Thickness (mm)	Weight
009902	SVC-150	150	160	12	0.5	8g
009901	STC-150	150	160	12	0.5	8g

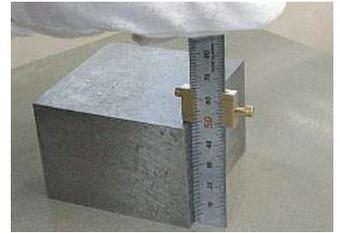
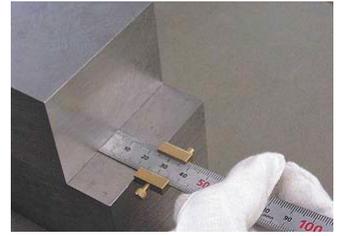
SCALE DEPTH GAUGE Attachment



SD-300



SD-6010



USE • For accurate marking and measurement for width, height and depth

MATERIAL

- Brass (SD-150, SD-300) • Aluminum (SD-6010)

FEATURES

- Slide to any position on scale. Screw tightens for setting
- Convenient size for metal and woodworking use
- Attachable to JIS rules

Order No.	Model No.	Type	Length (mm)	Thickness (mm)	Weight
006843	SD-150	For 150mm Scale	15	5	20g
006844	SD-300	For 300mm Scale	20	6	90g
006845	SD-6010	For 600 • 1000mm Scale	30	13	26g

DEPTH SCALE



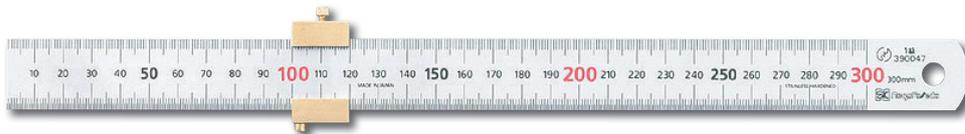
Scale with depth gauge attachment! Repeated marking with efficiency!

RULES

CARPENTER'S SQUARES

ANGLE SQUARES

FRONT



BACK



SD-300S

USE • Accurate marking, and measuring if component depth, height, width.

MATERIAL

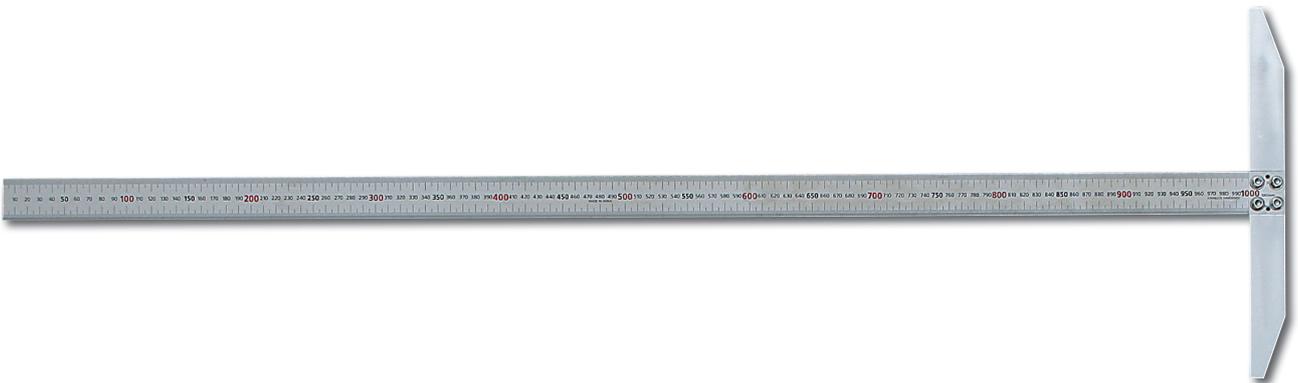
- Scale: Stainless Steel (SUS420J2)
- Depth attachment: Brass

FEATURES

- Scale with depth gauge attachment
- Edges are finished smooth to prevent marring surfaces

Order No.	Model No.	Size (mm)	Length (mm)	Width (mm)	Thickness (mm)	Weight
006846	SD-150S	150	175	32	5	20g
006847	SD-300S	300	335	45	6	86g

T-SQUARE



TT-100

USE • Measurement and marking dimensions relative to an end face.

MATERIAL

- Base: Aluminum
- Scale: Stainless Steel (SUS420J2)

FEATURES

- Make measurements or markings relative to an end face.

Order No.	Model No.	Size	Accuracy (mm)	Length (mm)	Width (mm)	Thickness (mm)	Weight
111228	TT-100	1m	± 0.20	1300	300	16	640g
111229	TT-200	2m	± 0.30	2400	300	16	1530g

MACHINE SCALE - custom

Custom Designs with Fast Delivery!
Please contact us with request



Center '0' scale



Standard scale

※ Sample of custom design

APPLICATIONS

- Size measurements
- For attaching to fixtures and machines

MATERIALS

- Stainless steel (SUS420J2)
- Satin finish

(SPECIFICATIONS)

Units : mm

Size	50	100	150	200	300	600	1000	1500	2000
Width	15								
Thickness	0.5								
Width	20								
Thickness	0.5 or 1.0								

※ Scales are available with "0" on end , or "0" at center

Custom sizes can be provided in addition to the standard sizes listed.