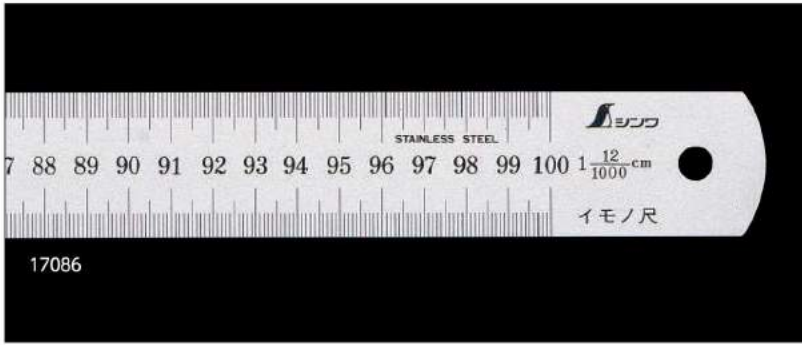


Molding Rule



Features		
<ul style="list-style-type: none"> ● Handy for creating wood or metal molds for casting ● Hard chrome finish prevents glare on the scale, making it easier to read 		
Use		
<ul style="list-style-type: none"> ● For creating wood or metal molds for casting 		
Specifications		
<table border="1"> <tr> <td>Material</td> <td>Stainless steel</td> </tr> </table>	Material	Stainless steel
Material	Stainless steel	

Description	Overall LengthxWidthx Thickness (mm)	Weight (g)	Packing Unit	Package
15 cm ○○/1000	182x15x0.5	11	10	V
30 cm ○○/1000	345x25x1.0	66		
60 cm ○○/1000	651x30x1.2	185		
1 m ○○/1000	1,060x35x1.5	435		
2 m ○○/1000	2,085x40x2.0	1,275		

■ 12/1000
 This means that 1 cm measured on contraction 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	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	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?

● These are ideal rules for creating wood or metal molds for casting. A casting is set by pouring melted cast metal into a mold. As the casted metal contracts as it cools, the mold is made with extra dimensions. Since the contraction percentage varies depending on metals, sizes and foundries, various molding rules with different enlargement ratios are required.



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 means Stainless Steel—rust-resistant. HV refers to Vickers Hardness—a unit for hardness.)

Metal Rules Grade 1 of JIS B7516-2005 (abstract) as of June, 2019

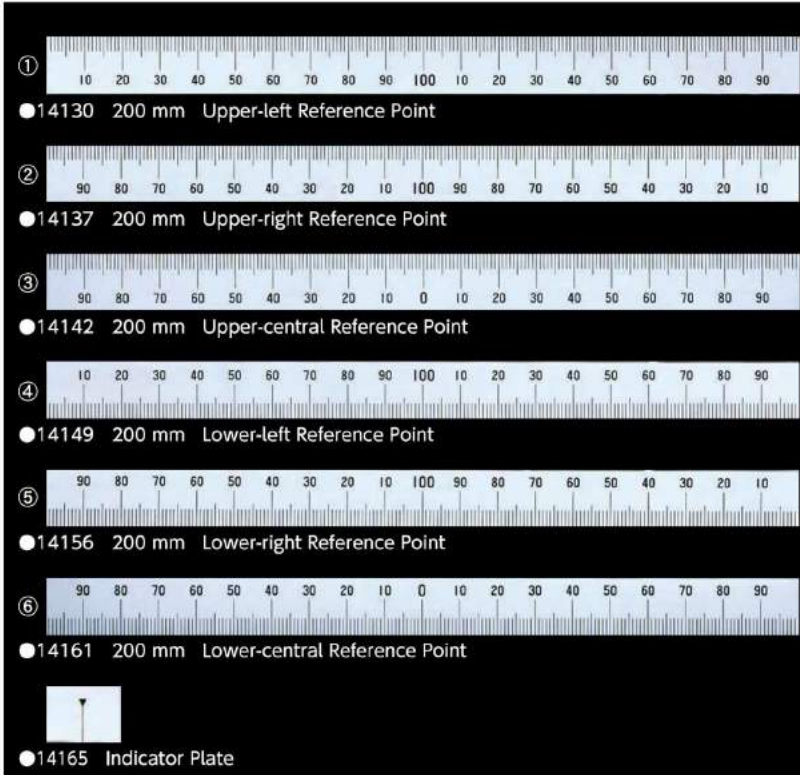
Standard	Grade 1 of JIS B7516—2005							
Material	SUS420 J2 of JIS G 4305 or that equivalent or superior to this in quality							
Hardness of Material	Hv400 min							
Size (Unit : mm)	Nominal Size	Overall Length (L)		Thickness (T)		Width (W)		
		Size	Tolerance	Size	Tolerance	Size	Tolerance	
	150	175	±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 10mm 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 W/L JMK)	Measurement Conversion Chart			
		Length	Width	Weight	Volume
Hard Chrome Finish 15cm	●				
30cm	●				
60cm	●				
1m	●				
Metric x Shaku 15 cm let		●	●		
30 cm let		●	●		
60 cm let		●	●	●	
1 m let		●	●	●	●
1 m right	●				
Polish Finish 15 cm	●				
30 cm	●				
60 cm	●				
1 m	●				
Pickup 10 cm		●			
15 cm		●	●		
30 cm		●	●		
60cm		●	●	●	
1m		●	●	●	●
With Scale Stopper 15 cm	●				
30cm	●				
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 (35)
Material	Stainless steel
Body Size	Machine Scale 15×0.5 mm Indicator Plate 20×15×0.5 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)

