

## Precision Stainless Steel Rule 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	310×30×10	724	4 960910 141131	1	B
14114	60 cm *2	610×30×10	1,425	4 960910 141148		
14115	1 m	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 increments (1 mm before and behind) on 30 cm, 60 cm, 1 m
Graduations	1 mm increments except for graduations for instrumental error
Graduations Line Width	0.1 - 0.2 mm
Length Tolerance	±0.06 mm
Coefficient of Linear Expansion	$10.3 \times 10^{-6}/^{\circ}\text{C}$

## Rules Specifications

\*Varies depending on length

Items	Base Zero Point at Edge	Numerical Unit		Upper Graduation		Lower Graduation		
		mm	cm	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 2023

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	Nominal Size	Overall Length (L)		Thickness (T)		Width (W)	
Size		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)	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				
*Temperature at 20°C							

■ 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.

## Conversion table

Items	Inch Conversion Chart (TAP DRILL WW.JNC)	Measurement Conversion Chart		
		Length	Width	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		●		