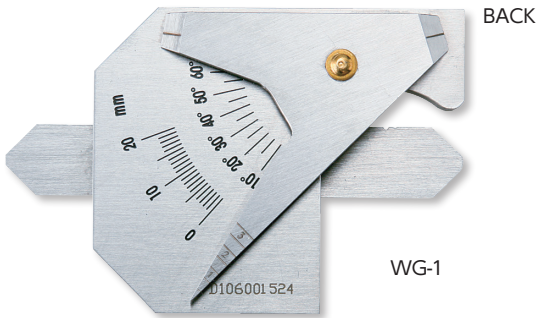
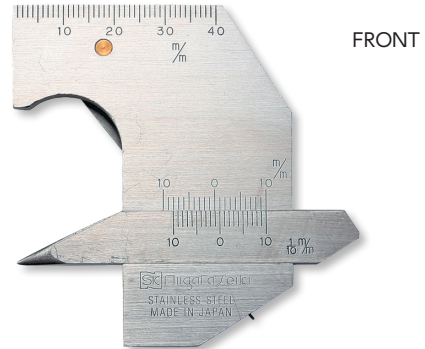
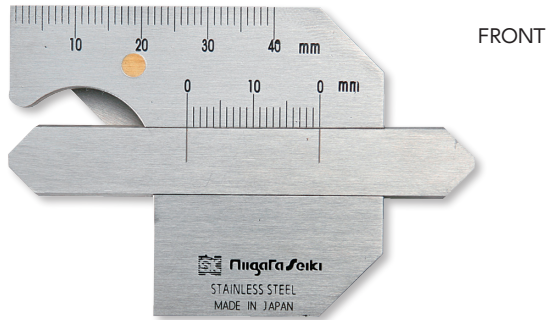


# WELDING GAUGE

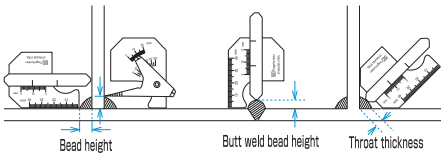


A wide variety of welding measurements in one gauge

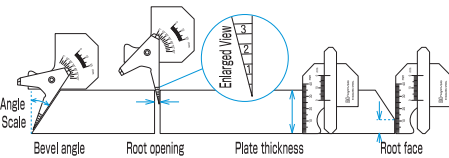
Function comparison	
Welding Gauge Chart	
	P110 ~111



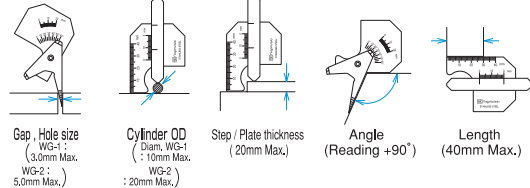
Weld Bead Measurement



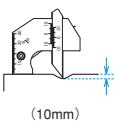
Measurement Before Welding



Misc. Measurements



Undercut Measurement (WG-2 only)



## USE

- For measuring fillet weld, bead weld, etc.

## MATERIAL

- Stainless steel

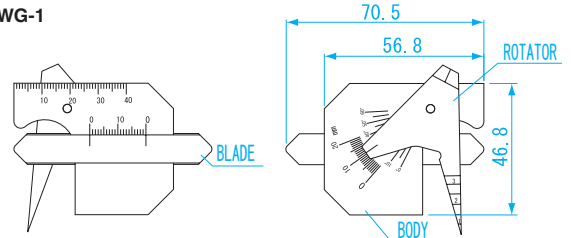
## FEATURES

- Efficient for welding and quality control
- Tough and portable (with vinyl case)

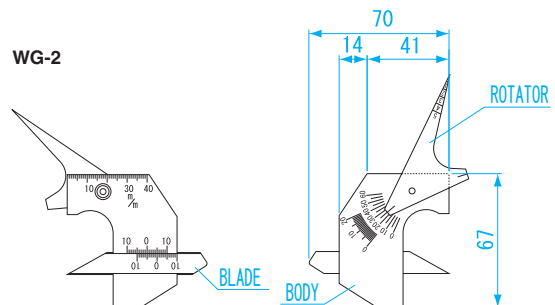
## DIMENSIONS

Units: mm

WG-1



WG-2



BLOCK GAUGE

PIN GAUGE

PIN VISE

PIN GAUGE ACCESSORIES

RING GAUGE

PLUG GAUGE

LIMIT GAUGE

THICKNESS GAUGE

TAPER GAUGE

WELDING GAUGE

OTHER GAUGES

Order No.	Model No.	Measurement Accuracy for Throat Thickness of Fillet Weld	Bevel Angle Accuracy	Accuracy	Weight
007502	WG-1 (M)	± 0.4mm	± 0.7°	± 0.4mm	79g
007503	WG-2 (L)	± 0.2mm	± 0.7°	± 0.4mm	91g

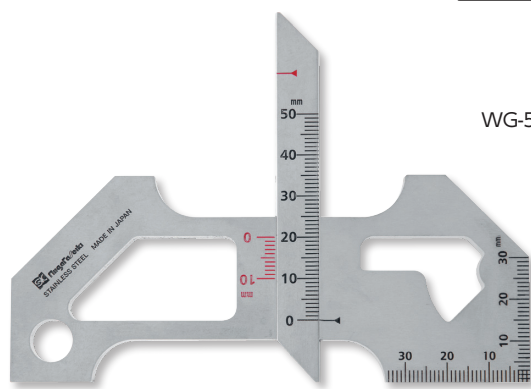
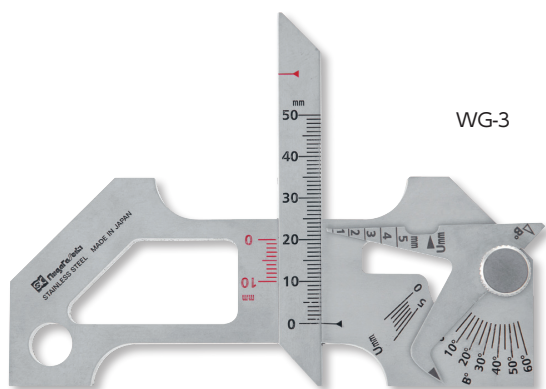
# WELDING GAUGE



Gauges with new features added to existing welding gauge line-up.  
Measure weld reinforcement height up to 50mm.

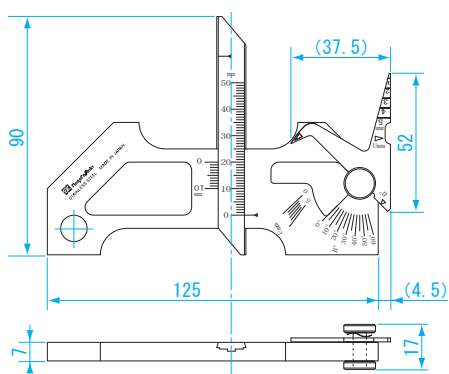
**Function comparison**  
Welding Gauge Chart

Model	WG-3	WG-5
Material	Stainless Steel	Stainless Steel
Weight	P110	~111



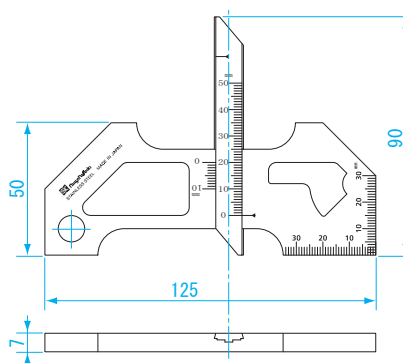
● DIMENSIONS

Units: mm



● DIMENSIONS

Units: mm



USE

- Measurement of size and alignment of bead, gap size, undercut, etc.

MATERIAL

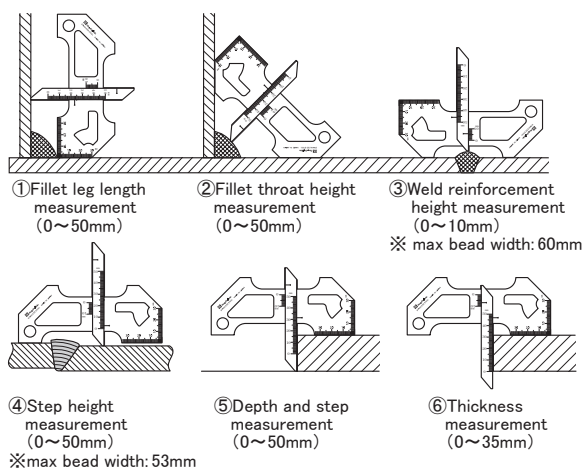
- Stainless Steel (silver finish)

FEATURES

- Speed up and streamline the quality control of welding
- Measures weld reinforcement height up to 50mm
- Wide base for stability during measurements
- Pivoting gauge provides a variety of measurement functions
- Silver finish is ideal for reduced reflection when photographing measurements
- Translucent case for easy confirmation of contents

■ Measurement Functions

WG-3, WG-5 capabilities



USE

- Measurement of size and alignment of bead, gap size, undercut, etc.

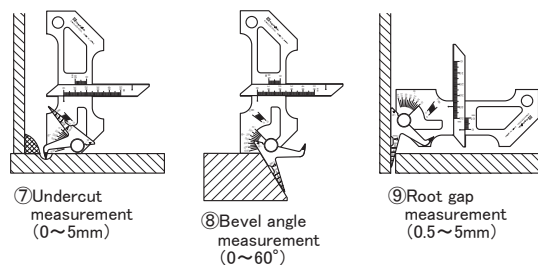
MATERIAL

- Stainless steel (silver finish)

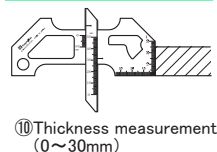
FEATURES

- Speed up and streamline the quality control of welding
- Measures weld reinforcement height up to 50mm
- Wide base for stability during measurements
- Silver finish is ideal for reduced reflection when photographing measurements
- Translucent case for easy confirmation of contents

WG-3 only



WG-5 only



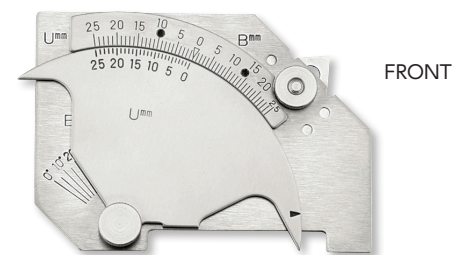
Order No.	Model No.	Weight
007506	WG-3	198g
007507	WG-5	187g

# WELDING GAUGE

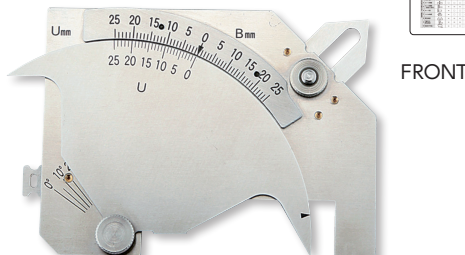


Essential for welding process. A wide variety of welding measurements in one gauge.

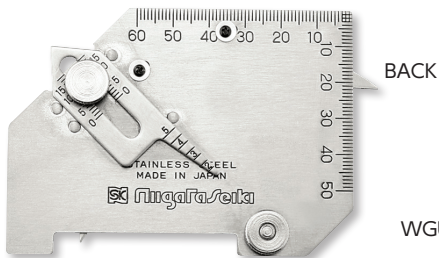
**Function comparison**  
 Welding Gauge Chart  
 P110  
 ~111



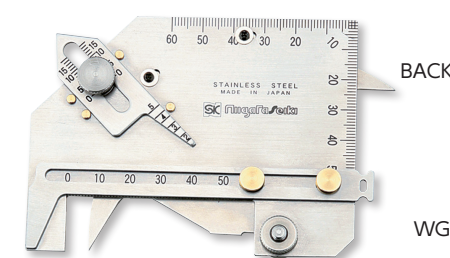
FRONT



FRONT



BACK



BACK

WGU-7M

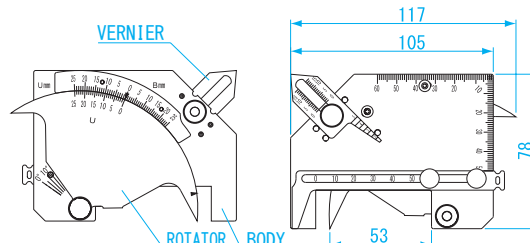
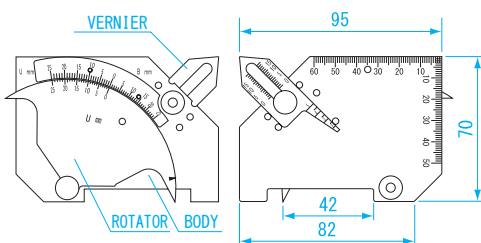
WGU-8M

● DIMENSIONS

Units: mm

● DIMENSIONS

Units: mm



USE

- For wide of variety welding measurements
- Undercut depth / Groove angle / Inconsistent level
- Height of fillet weld & bead weld / Throat thickness of fillet
- Root opening / Plate thickness

MATERIAL

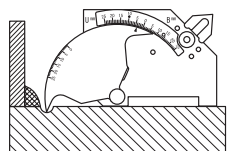
- Stainless steel

FEATURES

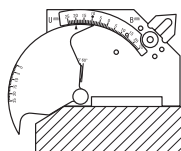
- Long usage life, rust and corrosion resistant and extremely durable as well as being light weight
- Very convenient to the welding process involving steel frame assembly such as general welding, ship building, bridge construction, etc.
- Easy reading scale

MEASUREMENT FUNCTION

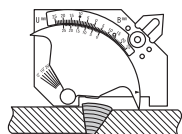
WGU-7M, WGU-8M, WGU-9M common functions



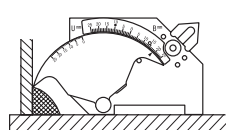
① Undercut depth (0~25mm)



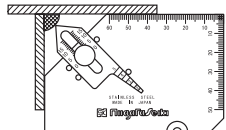
② Bevel angle (WGU-7M: 0~60°) (WGU-8M-WGU-9M: 0~70°)



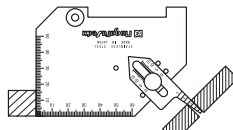
③ Bead striding width (WGU-7M: 42mm) (WGU-8M-WGU-9M: 53mm) Step difference (0~25mm)



④ Height of fillet & bead weld (0~25mm)



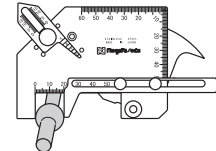
⑤ Throat thickness of fillet weld (0~15mm)



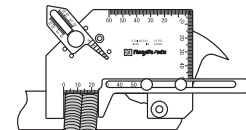
⑥ Root opening (2~5mm)

⑦ Plate thickness (scale)

WGU-8M, WGU-9M common functions



⑧ External diameter of circular workpiece (WGU-8M: up to 30mm) (WGU-9M: up to 50mm)



⑨ Width of bead weld (0~53mm)

Order No.	Model No.	Weight
007513	WGU-7M	150g
007514	WGU-8M	190g



BLOCK GAUGE

PIN GAUGE

PIN VISE

PIN GAUGE ACCESSORIES

RING GAUGE

PLUG GAUGE

LIMIT GAUGE

THICKNESS GAUGE

TAPER GAUGE

WELDING GAUGE

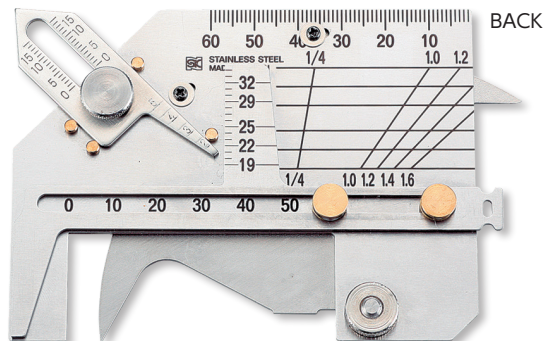
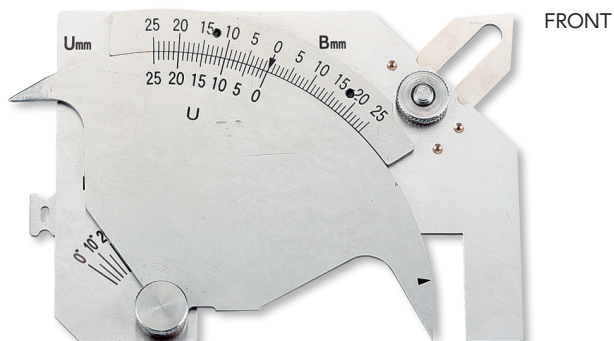
OTHER GAUGES

# WELDING GAUGE



Essential for welding process. A wide variety of welding measurements in one gauge.

Function comparison▶
Welding Gauge Chart
P110 ~111



**USE**

- For a wide variety of welding measurements
  - Undercut depth / Groove angle / Inconsistent level
  - Height of fillet weld & bead weld / Throat thickness of fillet
  - Root opening / Plate thickness / External diameter of circular workpiece / Width of bead weld

**MATERIAL**

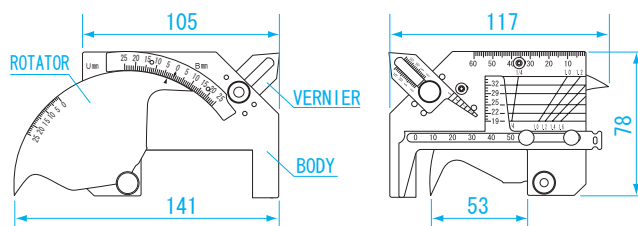
- Stainless steel

**FEATURES**

- Additional functions for measurement of
  - external diameter of circular workpiece
  - swelling of pressure welded reinforcing iron
  - width of bead weld
- Bead stride width: 53mm
- Bevel angle range: 0-70°
- Higher accuracy undercut measurement function

**● DIMENSIONS**

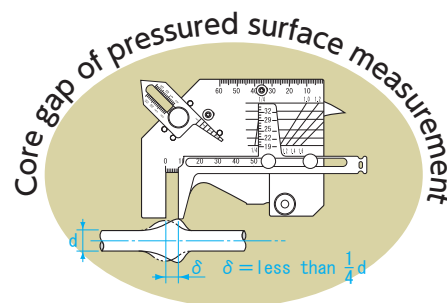
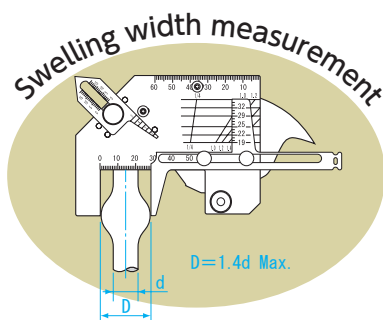
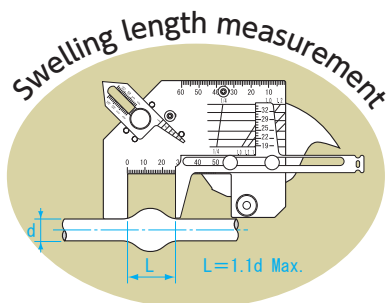
Units: mm



## Additional functions

Provides quick way to measure the diameter of welded rebar to insure proper dimensions of weld seam.

Scale marked for material diameter ( $\phi$  19, 20, 25, 29, 32) corresponding to various rebar diameters, and amount of expansion (1/4, 1.0~1.6). You can quickly find the ratio by reading the intersection of the two scale lines.



※ Please also refer to "MEASUREMENT FUNCTIONS" on Page 101 to see other functions

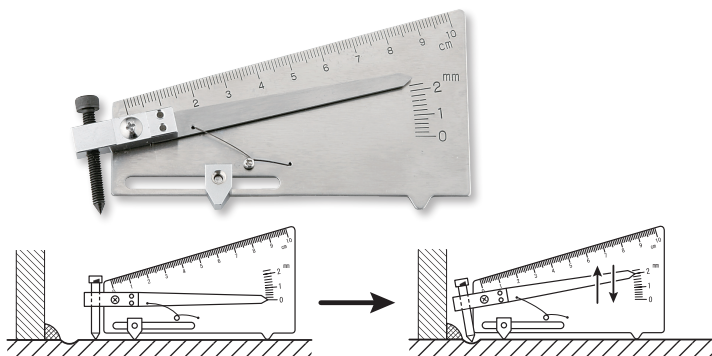
Order No.	Model No.	Rebar diameter (mm)	Expansion	Weight
007515	WGU-9M	$\phi$ 19 ~ 35	1/4, 1.0 ~ 1.6	190g

# WELDING GAUGE

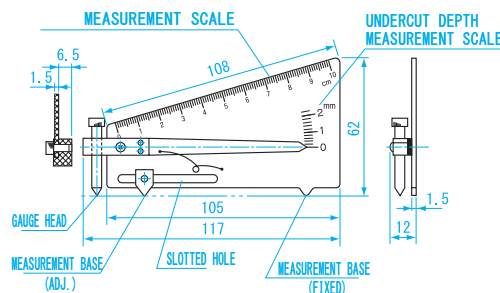


Essential for welding process. Specialized for undercut depth measurement.

Function comparison ▶  
Welding Gauge Chart  
P110  
~111



● DIMENSIONS Units: mm



USE

- For undercut depth and length measurement (Scale range: 0-2mm)

MATERIAL

- Stainless steel

FEATURES

- Easy to measure depth and length of undercut
- Capable of 0 adjustment with screw type of gauge head

SPECIFICATIONS

- Measuring Range
  - Depth: 0 ~ 2.0mm (Minimum reading: 0.2mm, Accuracy: ± 0.1mm)
  - Length: 0 ~ 10cm
- Width of measurement base: ≒ 40mm

Zero Adjustment

1. Press this gauge to the measuring sample
2. Adjust Zero point adjustment screw to indicate 0, insuring that all three points contact surface

Measurement

After 0 adjustment, put the tool on undercut and the spring will move indicator arm to show depth of undercut on graduation

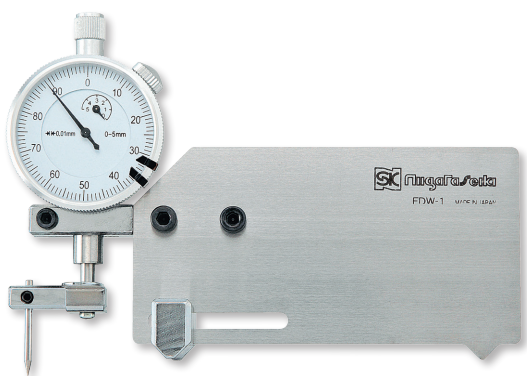
Order No.	Model No.	Weight
007521	WGU-2S	100g

# WELDING GAUGE

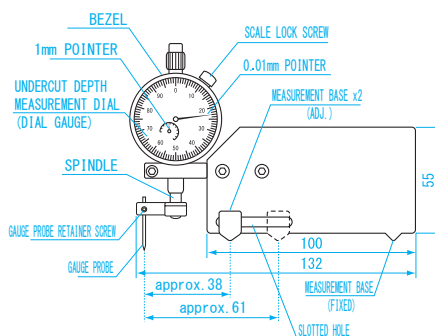


Essential for welding process. Dial gauge type. Specialized for undercut measurement.

Function comparison ▶  
Welding Gauge Chart  
P110  
~111



● DIMENSIONS Units: mm



USE

- Exclusive use for undercut measurement

MATERIAL

- Stainless steel

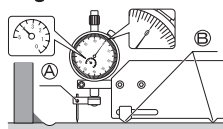
FEATURES

- Easy and accurate to measure depth and length of undercut
- Dial gauge type performs more precise measurement
- Three point support for stable measurement

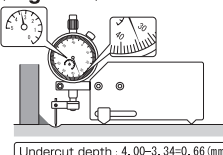
SPECIFICATIONS

- Measuring Range: 0~4.00mm
- Minimum reading: 0.01mm
- Accuracy: ±0.04mm
- Width of measurement base: ≒ 23mm

( Figure 1 )



( Figure 2 )



Zero Adjustment

Recommended to be performed on a flat surface such as a surface plate

- ① Loosen GAUGE PROBE RETAINER SCREW using hex key
- ② Place Welding Gauge on surface insuring all three points of MEASUREMENT BASE are making contact (2x ADJ, 1x FIXED) and push on SPINDLE shaft. When 1mm POINTER indicates 4.00mm, tighten GAUGE PROBE RETAINER SCREW. (Insure that probe tip is in contact with the surface plate)

Measurement

- ① Place the gauge on a flat surface and rotate BEZEL to indicate 0.01mm. (Figure 1)
- ② Place PROBE tip on weld undercut point to be measured. (Figure 2)
- ③ Undercut value is obtained by subtracting Dial Gauge reading from 4.00mm

Order No.	Model No.	Weight
007520	FDW-1	280g