

Lascentrum

welding & cutting



WELDING GAUGES

MAILING ADDRESS

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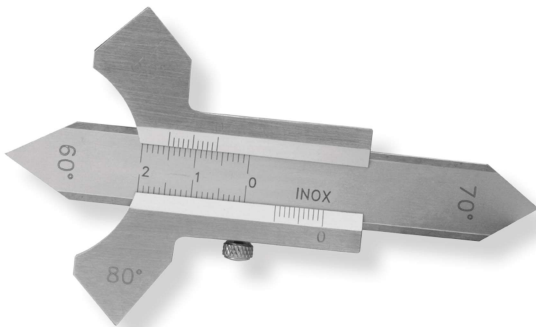
MI-WG-1 DIGITAL WELDING SEAM GAUGE



PRODUCTCODE: 333.MI-WG-1

- Resolution: 0.01 mm
- Complete with a spare battery
- Simple to reset and with a mm/inch button to switch from mm to inch
- The welding gauge can be connected to a printer for data-output by means of a special data-cable. (Data-cable not-included)

MI-WG-2SG WELDING SEAM GAUGE

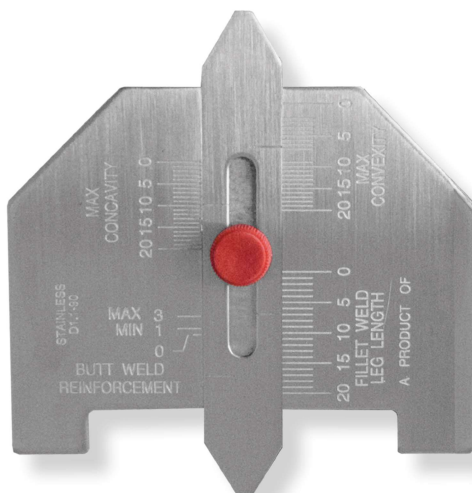


PRODUCTCODE: 333.MI-WG-2SG

- Made of stainless steel
- Stain chrome plated reading surface

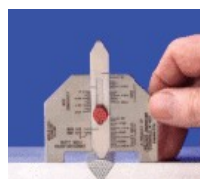
MEASURING ITEM	RANGE	GRADUATION	ACCURACY
Crown height	0-8 mm	0.1 mm	± 0.1 mm
Fillet weld throat size	0-20 mm	0.1 mm	± 0.3 mm
Angle	60°, 70°, 80°, 90°	-	± 1°

MI-WG-3 AUTOMATIC WELD SIZE GAUGE



PRODUCTCODE: 333.MI-WG-3

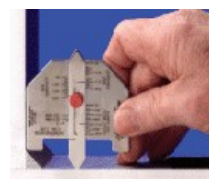
It is possible to meet specifications of butt and fillet type welds. New redesigned instrument is pocket sized and easy to operate. The convexity and concavity sizes have automatically been predetermined. Instrument is precision built of stainless steel with dimensional readings chemically etched and filled for easier reading.



Check reinforcement
of butt weld

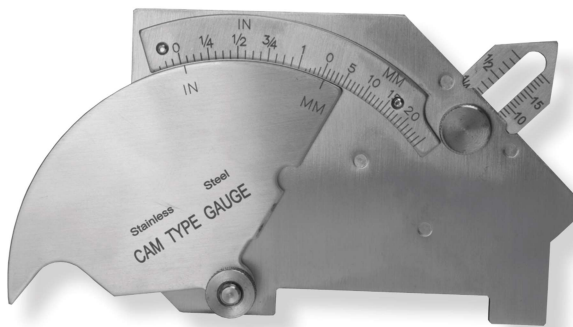


Check the throat
of fillet weld



Check leg size of
fillet weld

MI-WG-4 BRIDGE CAM GAUGE



PRODUCTCODE: 333.MI-WG-4

The following measurements are possible either in inches or millimeters. General linear measurements up to 2 inches or 50mm.

- Angle of preparation, 0° to 60°
- Excess weld metal (capping size)
- Depth of undercut
- Depth of pitting
- Fillet weld throat size
- Fillet weld length
- Misalignment (high-low)



Excess weld metal



Fillet weld throat



Angle of Preparation

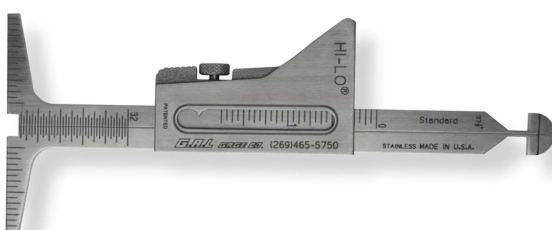
MI-WG-5/MI-WG-5L40 ECONOMY SINGLE PURPOSE HI-LO WELDING GAUGE



PRODUCTCODE: 333.MI-WG-5/333.MI-WG-5L40

- Checking the internal alignment of the fit-up quickly with the HI-LO gauge.
- Easy operation determines root weld spacing.
- Available in standard or metric (specify when ordering)

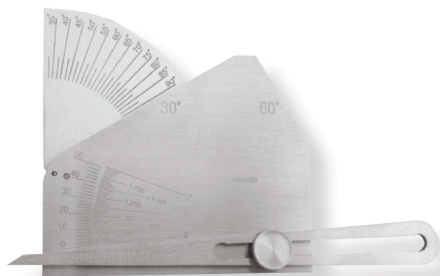
MI-WG-6 HI-LO WELDING GAUGE



PRODUCTCODE: 333.MI-WG-6

- Slim design is 30% lighter!
- Changes from standard to metric, simply remove gauge body, turn scales over and replace body.
- Measurements read in standard on one side & metric on opposite side.
- Measures internal alignment of pipe after fit-up/alignment, and cuts radiographic rejects.
- Measures internal misalignment of pipe before and after tacking.
- Measures bevel on end preparation.
- This handy devise even measures scribe lines, socket welds, crown height of welds & fillet weld size.

MI-WG-7 SKEW-T FILLET WELD GAUGE



PRODUCTCODE: 333.MI-WG-7

A handy compilation of mathematical relationships between leg length, throats, skew angles and inspection dimensions. A must for designers and inspectors. The perfect companion to the Skew-T Fillet Weld Gauge. (Gauge measures in English & Metric)



Checking angle of
vertical member



Checking weld
acute side



Checking weld
obtuse side

MI-WG-8 V-WAC SINGLE WELD GAUGE



PRODUCTCODE: 333.MI-WG-8

The V-WAC Gage easily and quickly checks the four essential measurements required for compliance with the NRC Visual Weld Acceptance Criteria. Checks undercut depth, porosity comparison, amount of porosity per linear inch and crown height.

ACCURATE: Undercut depth or crown height scale can be read to 1/32 inch. Porosity comparison of 1/8 inch and 1/16 inch. Linear gauge in 1/16 inch increments.

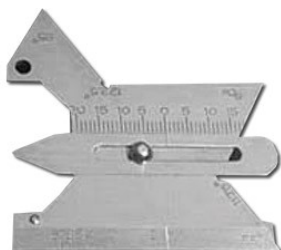
EASY TO USE: Pointer is easy to set and a locking screw holds it in position for later reference. Figures and increments are etched into surface. They are easy to read and will not rub off.

FAST: All four required measurements are made with a single gauge.

STURDY: Gauge is made of stainless steel.

HANDY: Gauge is 1¼ inches by 4 inches, and can be easily carried in your pocket.

MI-WG-9 MULTI-PURPOSE WELDING GAUGE



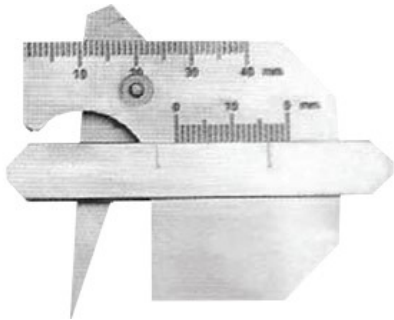
PRODUCTCODE: 333.MI-WG-9

The gauge consists of main scale, slide gauge and bevel gauge and is specially used for the measurement of the bevel angle of weldment, the width and height of weld seam, and the weld gap. It is made of stainless steel and is characterized by portable and compact structure, easy operation, wide application and accurate measurement.

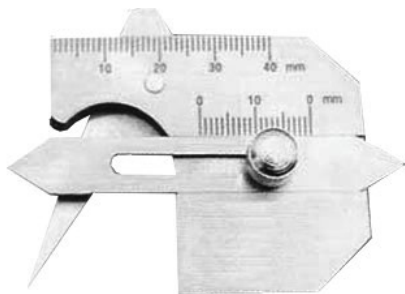
TECHNICAL SPECIFICATIONS:

MEASUREMENT ITEMS	RANGE	PARAMETERS	TOOLS
Width	0-20mm	0.2	0.02 vernier caliper
Height	0-12mm	0.2	Plug gauge, tabulate gauge
Width of fillet weld	0-20mm	0.2	
Movable bevel angle	20°, 30°	± 2°	± 30' angle gauge
Single-side bevel angle	117,5-122,5	± 30°	± 10" universal gauge
Bevel angle	45°, 55°, 60°, 65°	± 30°	± 10" universal gauge
Gap size	0.5-3.5mm	0.1	0.02 vernier caliper

MI-WG-10A/MI-WG-10B MULTI-PURPOSE WELDING GAUGES



MI-WG-10A



MI-WG-10B

PRODUCTCODE: 333.MI-WG-10A/333.MI-WG-10B

The welding gauge consists of three components: main scale, glide gauge and multiple-purpose gauge and is specially used for the measurement of the bevel angle of weldment, the height and gap size of all kinds of weld seams and the thickness of weldment's plan kings.

It is suitable for the detection of the quality of beliers, bridges, chemistry machines, ships and pressure vessels. It is made of stainless steel and is characterized by portable and compact structure, excellent exterior and easy application.

TECHNICAL SPECIFICATIONS:

MEASURING ITEM		SCALE (MM)	ALLOWABLE MARGIN OF
Thickness of weldment		0-40	± 0.2
Height of weld seam	Mutiple-purpose gauge	0-20	± 0.3
	Weld Gauge	0-20	± 0.2
Gap size of weld seam		1-3	± 0.2
Bevel angle of weldment		0° - 90°	± 30°

MI-WG-11 FILLET WELD GAUGE



PRODUCTCODE: 333.MI-WG-11

The Fillet Weld Gauge allows fast, accurate measurement of eleven fillet weld sizes to determine weld sizes, either concave or convex. Each gauge blade is made of 1-1/4" x 4" stainless steel to resist rust and bending. Blades are deburred to remove rough edges. All sizes and numerals are engraved into the surface for easier reading.

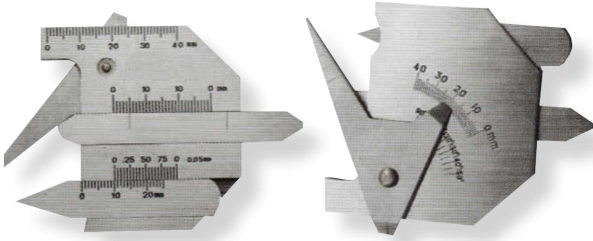


Checking Fillet Throat Size

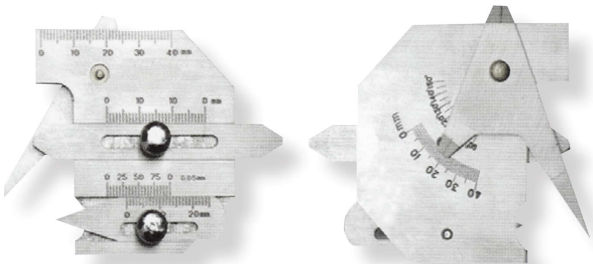


Checking Fillet Leg Size

MI-WG-12A/MI-WG-12B MULTI-PURPOSE WELDING GAUGES



MI-WG-12A



MI-WG-12B

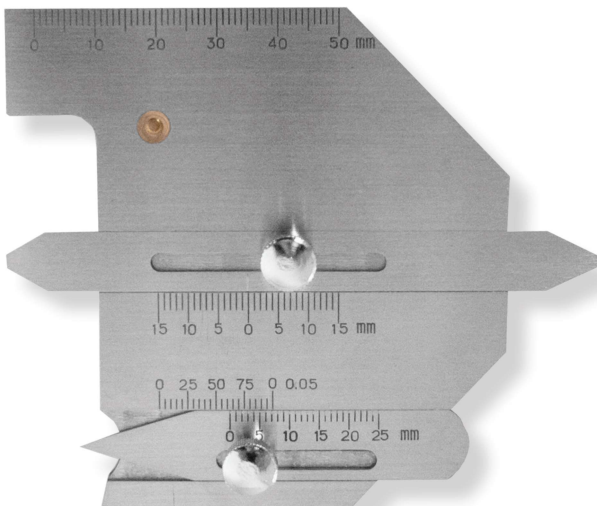
PRODUCTCODE: 333.MI-WG-12A/333.MI-WG-12B

The gauge consists of main scale, height gauge, undercut depth gauge and multiple-purpose gauge and is specially used for the measurement of the bevel angle, height, width, gap and undercut depth of weldment, suitable for the detection of boilers, bridges, ships, pressure vessels and oil pipes. It is made of stainless steel and is characterized by portable and compact structure, easy operation, wide application.

TECHNICAL SPECIFICATIONS:

MEASURING ITEMS		SCALE (MM)	ALLOWABLE MARGIN OF
Height	Surface height		0.2
	Height of fillet weld	0-12	0.2
	Thickness of fillet weld	0-15	0.2
Width		0-40	0.3
Undercut depth of welding seam		0-5	0.1
Bevel angle of weldment		≤ 150°	30°
Gap size		0.5-5	0.1

MI-WG-13 MULTI-PURPOSE WELDING GAUGE



PRODUCTCODE: 333.MI-WG-13

The gauge consists of main scale, height gauge, undercut depth gauge and multiple-purpose gauge and is specially used for the measurement of the bevel angle, height, width, gap and undercut depth of weldment, suitable for the detection of boilers, ships, pressure vessels and oil pipes. It is made of stainless steel and is characterized by portable and compact structure, easy operation, wide application.

TECHNICAL SPECIFICATIONS:

MEASURING ITEMS		SCALE (MM)	ALLOWABLE MARGIN OF
Height	Surface height	0-15	0.2
	Height of fillet weld	0-15	0.2
	Thickness of fillet weld	0-15	0.2
Width		0-60	0.3
Undercut depth of welding seam		0-5	0.1
Bevel angle of weldment		80°-160°	30°
Gap size		0.5-6	0.1

MI-WG-14 WIDE-SEAT SQUARE



PRODUCTCODE: 333.MI-WG-14

Wide-seat Square

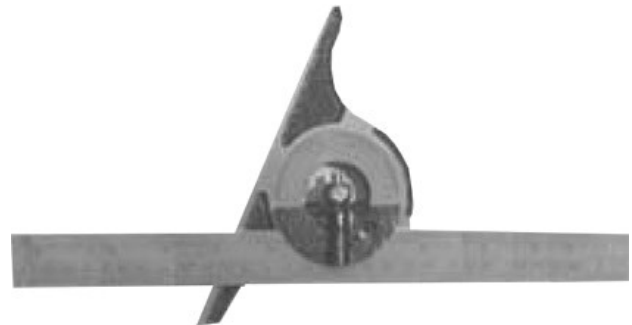
Spec: 63×40-630×400mm

MI-WG-15 FAN-SHAPED GAUGE



PRODUCTCODE: 333.MI-WG-15

MI-WG-16 MALLEABLE IRON SQUARE



PRODUCTCODE: 333.MI-WG-16

MI-WG-17 UNIVERSAL ANGLE GAUGE COMBINATION



PRODUCTCODE: 333.MI-WG-17

The angle gauge can directly and accurately determine the center of circle of workpiece, measure the horizontal of workpiece and measure any angles from 0° to 180°. The universal angle gauge combination features high precision, stable and reliable measurement, well-designed structure, general purposes, portable operation and competitive pricing.

Main Technical Parameters:

- Protractor: measurement angle: 0-180°(scale interval: 1°), precision: 20'
- Center Gauge: operating diameter: 100mm, precision: 0.10mm
- Malleable Square: measurement side length: 300mm, precision: 0.05mm.
- Measuring Rule: length: 300mm, precision: 0.1mm.

MI-WG-18 TAPER GAUGE



PRODUCTCODE: 333.MI-WG-18

- Front Side - Standard; Back Side - Metric
- Can Check Plate Fit-Up
- Can Check Flange Fit-Up
- 1/32 TO 5/8

MI-WG-19 UNIVERSAL GAUGE



PRODUCTCODE: 333.MI-WG-19

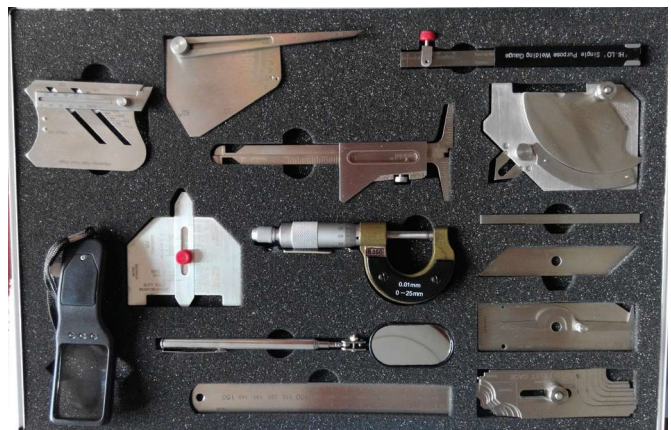
Universal gauge is mainly used to measure the rivet welding parameters of pressure vessel and welded piping, such as edge angle, surface concave convex, depth of etch pit, arc curvature, and surface linearity, etc. and can replace more than one hundred of gauge templates. The universal gauge is made of stainless steel and is characterized by portable and compact structure, light weight, easy operation, direct reading and accurate measurement.

OVERALL DIMENSIONS: 320×170×15mm

APPLICATION: Edge angle Ø400 - Ø1800, no limitation for others
Operational principle can be expressed by the formula $H=F(\theta)$

CONFIGURATIONS: Saddle-shaped gauge body, two hollow shafts and two measuring jaws.

MI-WG-S01 BRIEF CASE TYPE/LOCK & KEY



PRODUCTCODE: 333.MI-WG-S01

Dimensions: 46x32x7.5cm

TOOLS INCLUDED:

- V-WAC Gauge
- Fillet Weld
- WTPS Gauge,
- Bridge Cam
- Single Purpose
- 15cm SPI Scale
- Telescoping Mirror
- Micrometer w/ Ball
- Hi-Lo Gauge
- Skew-T Fillet Weld w/ Calc
- AWS Type Gauge
- ADJ Fillet Weld & Magnifier

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