

Western Instruments

Established 1965

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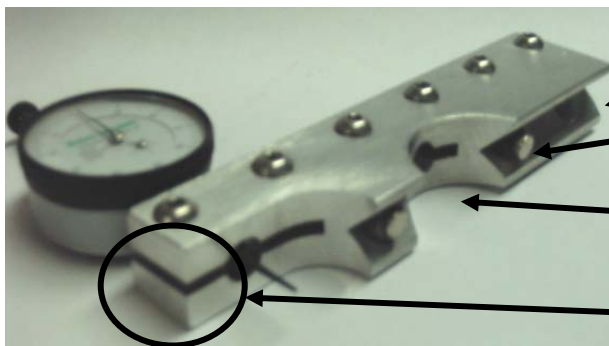
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The *Reference Gauge*®



The **Reference Gauge**® was originally designed to measure Reference Indications (Holes or Notches) which are machined into *Calibration Standards* for various types of Non-Destructive Testing Equipment (Ultrasonics, Eddy Current, Flux Leakage, etc.). Such Calibration Standards tend to be very accurate in diameter and straightness, so the **Reference Gauge**® easily measures the depth of these indications, as its contact blade is equipped with an *Inverted 'V' Edge* and Magnetic Hold Downs, so it self aligns to convex surfaces, such as various diameters of Tube and Pipe.



Inverted 'V' Edge

Magnetic Hold Downs (2)

Center Mount Cut-Away

19mm/0.750" Thickness

The general design of the *Reference Gauge*® is identical to the Main Blade of the Bridging Pit Gauge, however it is double the width to accommodate the Inverted 'V'

Edge. Due to Inspector input, the Center mounting Position for the Dial Indicator is equipped with a large 1 ½" (38mm) Cut-a-way, to permit further positioning of the blade. The Blade of the *Reference Gauge*® can be used with the Bridging Pit Gauge, however if an inspector wants an Inverted 'V' Edge for a *Bridging Pit Gauge*® System, we do offer it as the N88-12RB (as illustrated below), and have them in stock.

The *Reference Gauge*® is the one Pit Gauge that will often satisfy unusual requests, as the Blade width is double that of our other Pit Gauge Models. It is obvious when the Inverted 'V' Edge is not aligned to the workpiece surface, the Blade will rock. A Knife Edge is more forgiving to misalignment, thus the *Reference Gauge*® is not recommended for field use.

This view is of a N88-12-RB, *Reference Bridging Pit Gauge System*, assembled in Cantilevering mode. Note the 19mm/0.750" width of the contact Blades, with Western's standard T Sections. Each blade is equipped with Western's exclusive Adjustable Magnet Cartridges (2 on Main Blade), however Western's optional Scanning Magnetic Hold Downs (N88-9-6P) can be used on this unit.

