

Western Instruments

Established 1965

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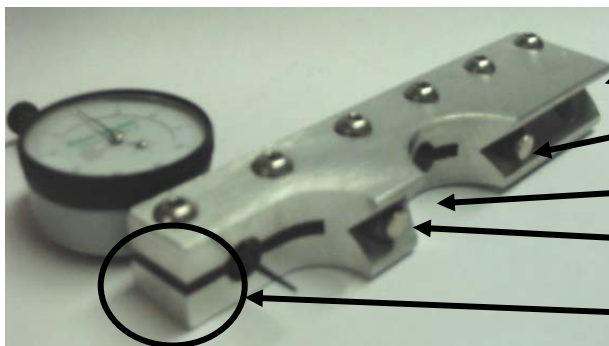
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The *Reference Gauge*®



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 Down

Center Mount Cut-Away

Magnetic Hold Down

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 75% wider 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), which is a stock item.

The *Reference Gauge*® is the one Pit Gauge that will often satisfy unusual requests, as the Blade is 75% wider than 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 highly irregular surfaces.

This view is of a N88-12RB, *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 connecting the various blades. Each blade is equipped with Western's exclusive Adjustable Magnet Cartridges (2 on the Main Blade), however Western's optional Magnetic Hold Downs (N88-9-6P) can be used on this unit for Scanning.

