

Bridging and Jr. Bridging Pit Gauge Comparisons

The following discussion outlines the basic differences between Western Instruments Bridging Pit Gauge System, and the Junior Bridging Pit Gauge models. To start, the Bridging Pit Gauge System is an advanced full featured tool, while the Junior Bridging Pit Gauges are subordinate. The “Junior’s” were introduced to compete with low cost knockoff units, that has a lesser number of features. The following is a list of the advanced benefits and features of the Bridging Pit Gauge System;



▪**Knife Edge** (Junior is Flat)

- Accurate measurements on Irregular, Concave, and Convex surfaces.
- Less Parallax when the assembly is not normal or perpendicular the surface of the workpiece.
- Less contact surface area, allows easier sliding or scanning over surface of the workpiece.



▪**Magnetic Hold Downs** (Junior can not Scan)

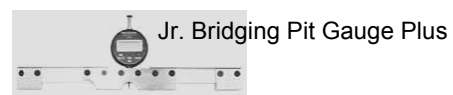
- Permits entire Bridge Assembly to be Easily Scanned over the workpiece surface.
- Nylon Clamp screws permits an adjustable tension, to the extender T for controlling the movement of the bridge.
- Designed for use on Concave and Convex Surface down to 2” (50mm) OD.
- Strong Magnets hold onto virtually any surface, in any position.

▪**Bridging Length** (Junior is shorter)

- The Bridging Pit Gauge System can be assembled in both Cantilevering and Spanning Configurations, with an overall length of approximately 28” (725mm).
- The Jr. Bridging Pit Gauge can only be assembled in Spanning Configuration. If upgraded to the Jr. Bridging Pit Gauge *Plus*, it can also be assembled in Cantilevering configuration with an overall length of 15” (380mm).



Bridging Pit Gauge System



Jr. Bridging Pit Gauge Plus

- The Jr. Bridging Pit Gauge *Super* can be assembled in both configurations, and has an overall length of 27” (685mm)
- The Jr. Bridging Pit Gauge Series was developed to compete, on price and features, with low cost and inferior competitive equipment. This competitive equipment was being compared to the Bridging Pit Gauge System.