



Permalok® RBJ Radial Bending Joint

The patent-pending Permalok® Radial Bending Joint (RBJ) is a groundbreaking advancement in trenchless construction that enables steel pipe to be installed in a curved radius in microtunneling applications.

The RBJ provides the same reliability, speed, and consistency as our other Permalok® joint designs, with the added flexibility of installing along a curve—assisting contractors, owners, and engineers in realizing the total potential of today's tunnel boring equipment. This improvement creates more opportunities for maneuverability in congested tunnel alignments, allowing the pipe path to bend in any direction around existing utility lines, monuments, and building foundations. Additional benefits include a smaller jobsite footprint, fewer shafts, and more precise execution of tunneling over longer distances.

The RBJ follows the exacting specifications and precision engineering of the original Permalok® press-fit machined connection, to reduce field time by eliminating butt-weld joints. The result: a shortened install duration and reduced field costs, all with the proven benefits of steel pipe.

Available in diameters from 8" to 156" and wall thicknesses up to 2.5", Permalok® can be manufactured in custom lengths to maximize the efficiency of your project. Permalok® also offers a wide range of coatings & linings to meet the most difficult project specifications.



Advantages

- Flexible Tunnel Alignment
- Smaller Jobsite Footprint
- Fewer Shafts
- Long-Distance Precision
- Weld-Free Connection
- Reduced Field Costs