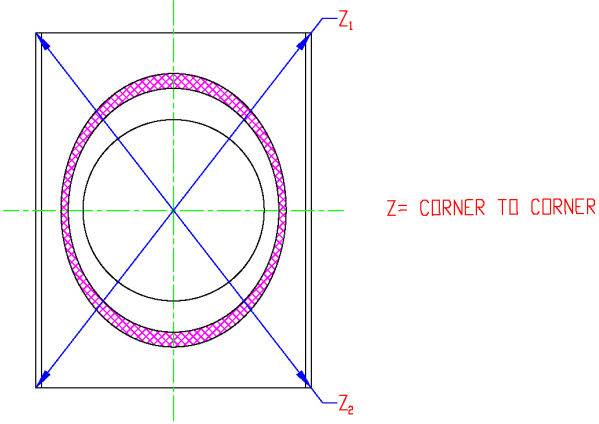


JCM INDUSTRIES

P. O. Box 1220, Nash, TX 75569-1220
 Phone 800-527-8482 or 903-832-2581
 Fax 800-874-9524 or 903-838-6260
www.icmindustries.com

JCM Tapping Sleeve Field Measuring Instructions

Upon occasion it is necessary to confirm tapping sleeve measurements at the job site. These instructions will assist the field technician in determining sleeve measurements for its intended application. Verification of these measurements with JCM Engineered/Technical Sales Team will assist in determining if the issue is with the sleeve or the pipe.

<p>To determine if the sleeve is square:</p> <p>Set the tapping sleeve on its flange/outlet.</p> <p>Using a standard tape measure, measure the diagonals (from corner to opposite corner) with a tape measure and check to see if the two distances match. If they are equal, the sleeve is square.</p>	
<p>To determine the chord & arc lengths:</p> <p>Set the tapping sleeve on its flange/outlet.</p> <p>Chord Length: Measure across the top (X=Chord) from point A to B.</p> <p>Arc Length: Measure through the radius (Y=Arc) from point A to B.</p> <p>For a correct Arc Length measurement, use a thin/narrow (i.e. O.D./Pi tape) blade tape that lays flat against the sleeve surface. Do not use a standard curve blade carpenters' tape that bends.</p> <p>In lieu of an O.D./thin blade tape, a piece of banding material that does not stretch can be used, then lie the material flat and measure.</p>	