



PIPE SIZE	W	L
100	75	71
150	75	71
250	120	74

END VIEW

NOTES:

1. ALL STEEL TO BE ASTM A36 OR BETTER.
2. TIE-RODS TO HAVE A MINIMUM 276 MPa (40000 psi) YIELD.
3. TWO TIE-RODS REQUIRED PER COUPLING @ 180° SPACING.
4. TIE-ROD THRUST RESTRAINTS HAVE BEEN DESIGNED TO ACT TOGETHER WITH CONCRETE THRUST BLOCKS OUTSIDE THE CONCRETE CHAMBER. TIE-ROD RESTRAINTS ARE NOT MEANT TO ACT ALONE WITHOUT CONCRETE THRUST BLOCKS.
5. DIMENSIONS MAY REQUIRE SLIGHT ADJUSTMENT TO FIT SOME VALVE BODIES. CRDWS APPROVAL IS REQUIRED FOR ANY DIMENSION CHANGES.



Making a difference...together

**THRUST RESTRAINT FOR
FLEXIBLE COUPLINGS**

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1.11