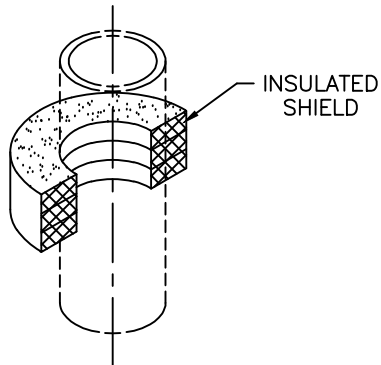
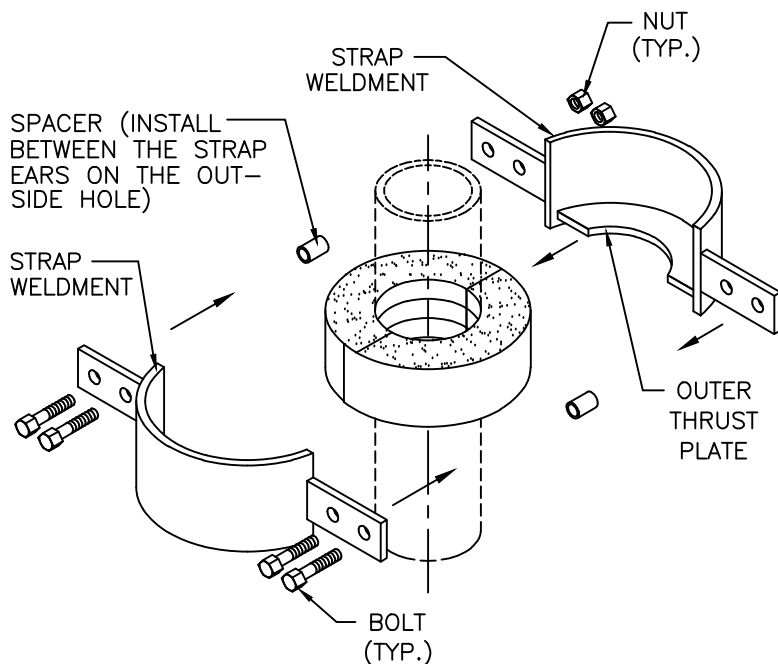
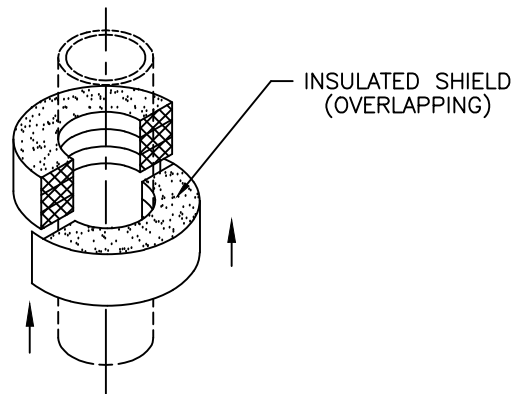


- ① POSITION ONE HALF OF THE INSULATED SHIELD (INSULATING STRUCTURAL MATERIAL AND SHEET METAL JACKET) ON THE PIPE AT THE DESIRED LOCATION AS SHOWN.



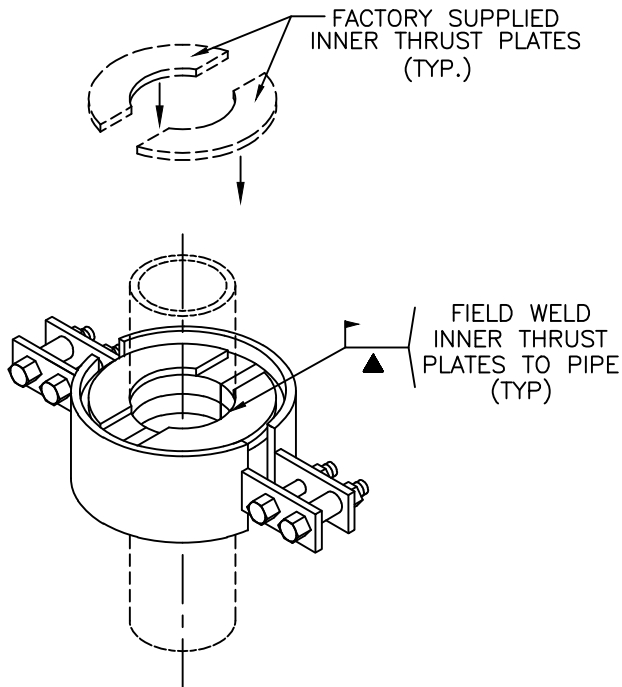
- ② GENTLY SLIDE THE OTHER HALF OF THE INSULATED SHIELD WITH THE OVERLAPPING JACKET INTO POSITION OVER THE PREVIOUSLY LOCATED HALF SHIELD.



- ③ A) ASSEMBLE STRAP WELDMENTS (STRAP WITH SHOP WELDED OUTER THRUST PLATES) AND LINE UP THE BOLT HOLES. B) INSTALL THE BOLTS, SPACERS, LOCK WASHERS AND NUTS AS SHOWN. C) HAND TIGHTEN NUTS BEFORE APPLYING THE SPECIFIED TORQUE. D) SELECT TORQUE VALUE THAT CORRESPOND WITH THE PIPE SIZE AND MODEL DESIGNATION OF THE UNIT SHOWN ON TABLE 1, SHEET 4. DURING TIGHTENING, IT IS RECOMMENDED THAT THE NUT IS TURNED RATHER THAN THE BOLT HEAD AND THAT THE BOLTS BE CROSS-TORQUED UNTIL THE REQUIRED TORQUE HAS BEEN ACHIEVED TO OBTAIN AN EVEN PRESSURE ON THE STRUCTURAL INSULATION. TO ENSURE THAT THE BOLTS ARE PROPERLY CROSS-TORQUED BY CHECKING THE SPACING (B) BETWEEN THE EARS TO BE APPROXIMATELY THE SAME (SEE SECTION A-A, SHEET 3).

MODEL: E1000-E1330 SERIES
 INSULATED PIPE RISER CLAMP
 (FOR DOWNWARD LOADS)
INSTALLATION INSTRUCTIONS

- ④ LOCATE AND POSITION FACTORY SUPPLIED INNER THRUST PLATES ON THE PIPE. SEE SHEET 3 FOR LOCATING AND POSITIONING THE INNER THRUST PLATES ON THE PIPE. WHEN PROPERLY POSITIONED, WELD THEM TO THE PIPE AS SHOWN. (SEE TABLE 1, SHEET 4, SEE WELD SYMBOL MARKED ▲).

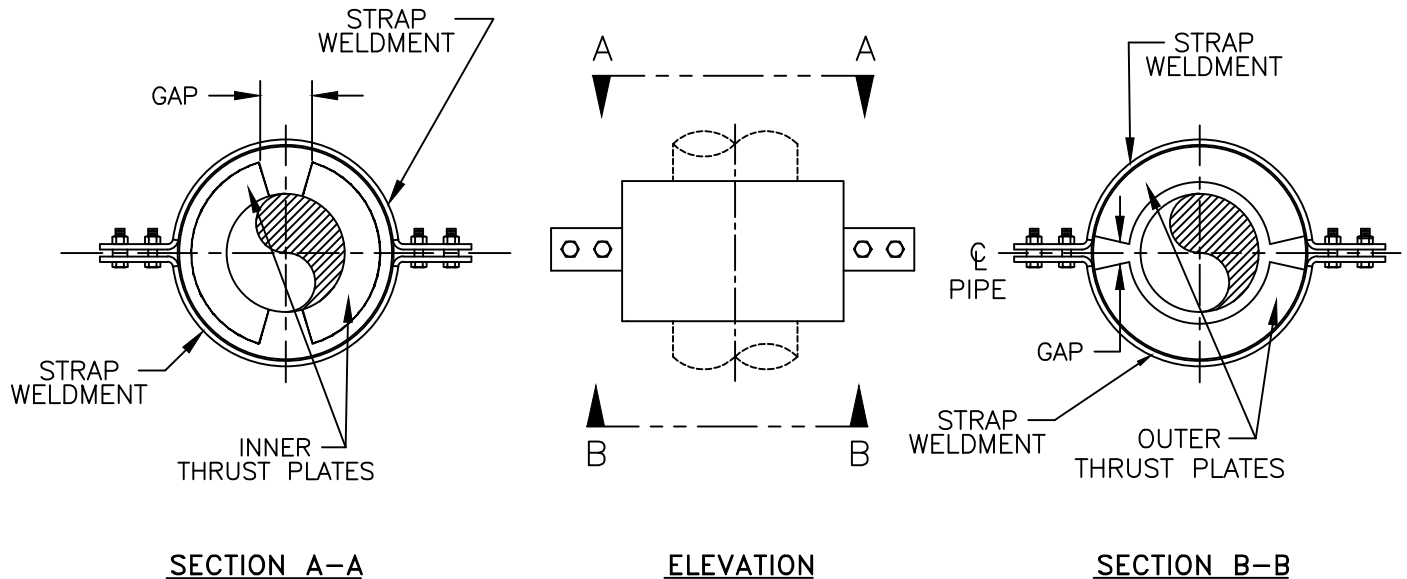


NOTE:

IN ORDER TO ACT PROPERLY AS DESIGNED, IT IS IMPORTANT THAT THERE IS A ZERO CLEARANCE BETWEEN THE INNER THRUST PLATES AND STRUCTURAL INSERT. IT IS RECOMMENDED THAT THE INNER THRUST PLATES BE CLAMPED TIGHT AGAINST THE STRUCTURAL INSERT BEFORE WELDING AND REMAINED CLAMPED UNTIL THE WELD HAS COMPLETELY COLLED-OFF TO AVOID OR MINIMIZE SHRINKAGE AND/OR DISTORTION DUE TO WELDING. IF THERE IS AXIAL CLEARANCE, CUT GALVANIZED SHEET METAL SHIMS TO THE SAME OUTLINE AS THE INNER THRUST PLATES AND INSTALL THEM TO REDUCE THIS CLEARANCE TO ZERO.

MODEL: E1000-E1330 SERIES
 INSULATED PIPE RISER CLAMP
 (FOR DOWNWARD LOADS)
INSTALLATION INSTRUCTIONS

INNER THRUST PLATE DETAIL



* GAP TOLERANCE:

- 2 1/2" THK INSULATION AND LESS $\pm 1/8"$
- GREATER THAN 2 1/2" THK INSULATION $\pm 1/4"$

①

LOCATE THE INNER THRUST PLATES ON THE TOP SIDE OF THE ASSEMBLY AND OFFSET 90° FROM THE LOCATION OF THE OUTER PLATES WHICH ARE LOCATED ON THE OTHER SIDE OF THE UNIT. (SEE SECTIONS A-A AND B-B).

②

POSITION THE INNER THRUST PLATE TO PROVIDE EQUAL CLEARANCE (*) BETWEEN THE EDGES OF THE INNER THRUST PLATES AS SHOWN ABOVE.

MODEL: E1000-E1330 SERIES

INSULATED PIPE RISER CLAMP

(FOR DOWNWARD LOADS)

INSTALLATION INSTRUCTIONS



**TABLE 1
BOLT TORQUE**

PIPE SIZE	E1000-E1030 SERIES		E1100-E1130 SERIES		E1200-E1230 SERIES		E1300-E1330 SERIES	
	BOLT TORQUE (FT-LBS)	SYMBOL	BOLT TORQUE (FT-LBS)	SYMBOL	BOLT TORQUE (FT-LBS)	SYMBOL	BOLT TORQUE (FT-LBS)	SYMBOL
3/4	3-5	3/16	3-5		3-5			
1	3-5	3/16	3-5		3-5			
1.25	3-5	3/16	3-5		5-7			
1.5	3-5	3/16	3-5		5-7			
2	3-5	3/16	3-5		8-10			
2.5	3-5		3-5		8-10			
3	3-5	3/16	8-10		13-15			
3.5	3-5		8-10		13-15			
4	3-5		8-10		13-15			
5	5-7		13-15		18-20			
6	6-8		13-15		23-25			
8	8-10		18-20		28-30			
10	13-15		28-30		43-45			
12	13-15		28-30		43-45		58-60	
14	18-20		38-40		58-60		73-75	
16	18-20		38-40		58-60		88-90	
18	23-25		48-50		73-75		98-100	
20	23-25		48-50		73-75		98-100	
24	23-25		56-60		88-90		118-120	

MODEL: E1000-E1330 SERIES
INSULATED PIPE RISER CLAMP
(FOR DOWNWARD LOADS)
INSTALLATION INSTRUCTIONS