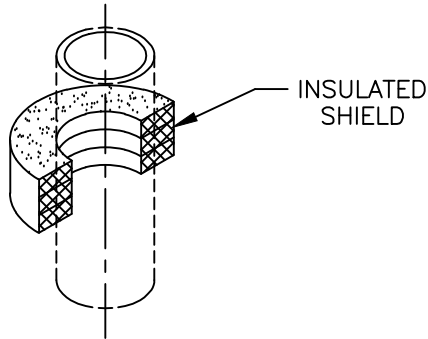
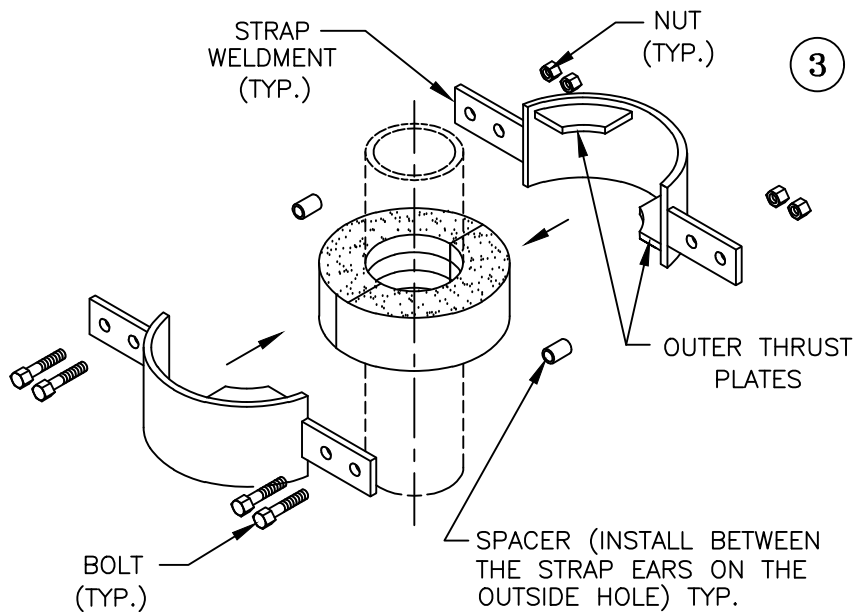
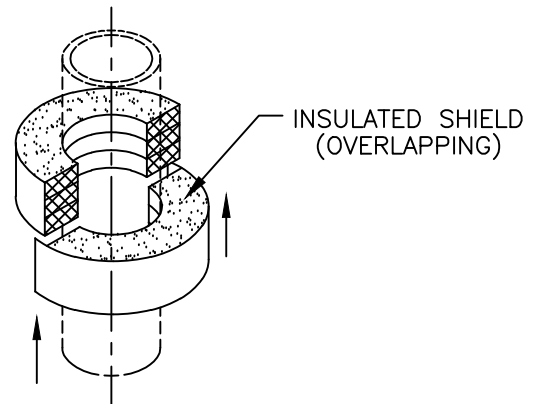


- 1 POSITION ONE HALF OF THE INSULATED SHIELD (INSULATING STRUCTURAL MATERIAL AND SHEET METAL JACKET) ON THE PIPE AT THE DESIRED LOCATION AS SHOWN.



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



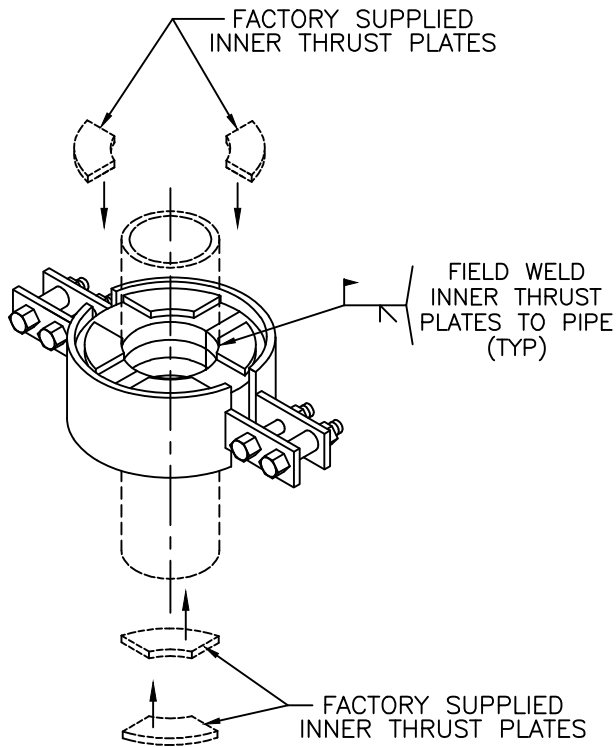
- 3 A) ASSEMBLE STRAP WELDMENTS (STRAP WITH SHOP WELDED OUTER THRUST PLATES) AND LINE UP THE BOLT HOLES. B) INSTALL THE BOLTS, SPACERS, LOCK WASHERS AND NUTS AS SHOWN. C) HAND TIGHTEN NUTS BEFORE APPLYING THE SPECIFIED TORQUE. D) SELECT TORQUE VALUE THAT CORRESPOND WITH THE PIPE SIZE AND MODEL DESIGNATION OF THE UNIT AS 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: E2000-E2300 SERIES

INSULATED PIPE RISER CLAMP
(FOR UPWARD OR DOWNWARD LOADS)

INSTALLATION INSTRUCTIONS

- ④ LOCATE AND POSITION FACTORY SUPPLIED INNER THRUST PLATES (TWO ON EACH SIDE OF THE ASSEMBLY) 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.



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.

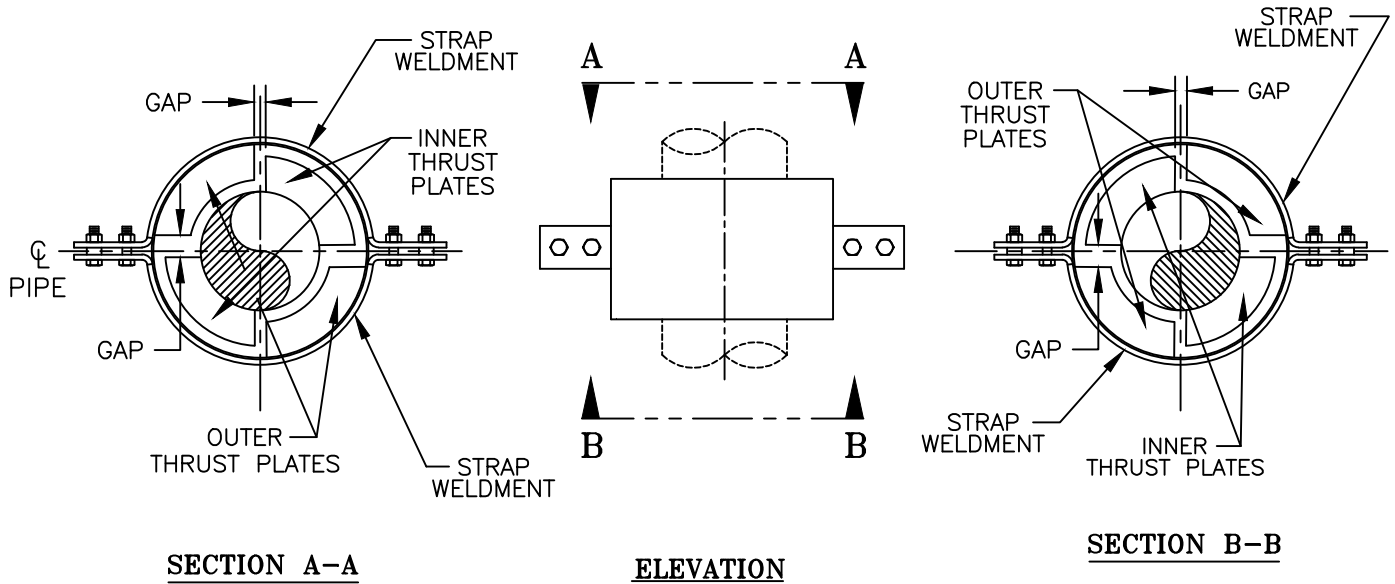
MODEL: E2000-E2300 SERIES

INSULATED PIPE RISER CLAMP
(FOR UPWARD OR 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 SIDE OF THE ASSEMBLY DIRECTLY OPPOSITE THE OUTER THRUST PLATES LOCATED ON THE OTHER SIDE OF THE UNIT AT ALL TIMES (SEE SECTIONS A-A AND B-B).
- 2 POSITION THE INNER THRUST PLATE TO PROVIDE EQUAL CLEARANCE (*) BETWEEN THE EDGES OF THE INNER THRUST PLATE AND THE TWO ADJACENT OUTER THRUST PLATES AS SHOWN ABOVE.

MODEL: E2000-E2300 SERIES

INSULATED PIPE RISER CLAMP
(FOR UPWARD OR DOWNWARD LOADS)

INSTALLATION INSTRUCTIONS



Pipe Shields, Inc.

TABLE 1
BOLT TORQUE

	E2000 SERIES	E2100 SERIES	E2200 SERIES	E2300 SERIES
PIPE SIZE	BOLT TORQUE (FT-LBS)	BOLT TORQUE (FT-LBS)	BOLT TORQUE (FT-LBS)	BOLT TORQUE (FT-LBS)
1	3-5	3-5	3-5	
1.5	3-5	3-5	5-7	
2	3-5	3-5	8-10	
2.5	3-5	3-5	8-10	
3	3-5	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: E2000-E2300 SERIES

INSULATED PIPE RISER CLAMP
(FOR UPWARD OR DOWNWARD LOADS)

INSTALLATION INSTRUCTIONS