

ANNULAR AND HELICAL PROFILE

Table with columns for COUPLING TYPE, PIPE CORRUGATION, PIPE SIZE, W OR A, PIPE WALL THICKNESS, BAND THICKNESS, STRAP THICKNESS, BOLTS Dia, BAR Dia, BAR YIELD STRENGTH, DIMENSIONS (CSP, CAP), ANGLE (BOLTS, RIVETS), and SPOT WELDS.

SPIRAL RIB PROFILE

Table with columns for COUPLING TYPE, PIPE CORRUGATION, PIPE SIZE, W, PIPE WALL THICKNESS, BAND THICKNESS, STRAP THICKNESS, BOLTS Dia, BAR Dia, BAR YIELD STRENGTH, DIMENSIONS (SSRP, ASRP), ANGLE (BOLTS, RIVETS), and SPOT WELDS.

* See Note 12.

12. All profiles of Spiral Rib Pipe (3/4" x 3/4" ribs at 7 1/2" pitch and 3/4" x 1" ribs at 11 1/2" pitch in both steel and aluminum and 3/4" x 1" ribs at 8 1/2" pitch in steel only) shall be manufactured with rerolled ends. Corrugation profile of the rerolled ends shall be 2 3/8" x 1/2" annular corrugations with a minimum of two full corrugations at each end.

Project information including D16+ COUNTY, ROUTE, POST MILES TOTAL PROJECT, SHEET No., TOTAL SHEETS, and professional engineer signature: Raymond Don Isztoc, REGISTERED CIVIL ENGINEER, No. C37332, Exp. 6-30-12, STATE OF CALIFORNIA.

NOTES:

- 1. For helically corrugated coupling bands, the connection angles may be oriented parallel to the pipe axis, provided connecting holes are slotted lengthwise sufficiently to allow adjustment for the helix angle.
2. Tension strap may be connected to band with either spot welds or fillet welds that develop minimum required strength of strap.
3. Use 1/4" gage line dimension on attached angle leg for rivets and spot welds.
4. Band thickness shall not be less than:
a. 3 standard thicknesses lighter than the thickness of the pipe for Corrugated Steel Pipe.
b. 2 standard thicknesses lighter than the thickness of the pipe and in no case lighter than 0.060" for Corrugated Aluminum Pipe.
5. Dimensions, thicknesses and strengths shown are minimum.
6. For pipe arches use same width band as for round pipe of equal periphery.
7. Fillet welds of equivalent strength may be substituted for spot welds or rivets.
8. Spot welds shall develop minimum required strength of strap.
9. Pipe with rerolled ends having at least two 2 3/8" x 1/2" annular corrugations at each end with or without an upturned flange may be connected with any of the annular coupling bands shown for pipe of the same diameter and wall thickness and having 2 3/8" x 1/2" corrugations.
10. In the case of H-12 huggerbands, two piece bands are required for diameters through 96" and three piece bands are required for diameters 102" through 120".
11. Two piece bands are required for pipes greater than 42" diameter.

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION CORRUGATED METAL PIPE COUPLING DETAILS No. 6 POSITIVE JOINT

NO SCALE

D97F