### Annular and Helical Profile

<table>
<thead>
<tr>
<th>Coupling Type</th>
<th>Pipe Corrugation</th>
<th>Pipe Site</th>
<th># or A</th>
<th>Pipe Wall Thickness</th>
<th>Band Thickness</th>
<th>Bar and Strap (CSP Only)</th>
<th>Strap Thickness</th>
<th>Bolts</th>
<th>Bar Yield Strength</th>
<th>Dimensions</th>
<th>Rivets</th>
<th>Spot Welds</th>
<th>Angle to Band</th>
<th>Spot Welds</th>
<th>Angle to Band</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two Piece Integral Flange</td>
<td>2 1/2&quot; x * 1/4&quot;</td>
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<tr>
<td>Universal</td>
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### Spiral Rib Profile

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<th>Spot Welds</th>
<th>Angle to Band</th>
<th>Spot Welds</th>
<th>Angle to Band</th>
</tr>
</thead>
<tbody>
<tr>
<td>Annular</td>
<td>2 1/2&quot; x * 1/4&quot; Helrored End</td>
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### 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. Spots should be connected with either spot welds or fillet welds that develop minimum required strength of straps.
3. Use 1A" pipe 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. Spots should develop minimum required strength of strap.
9. Use with corrugated bands having at least two 2 1/2" x * 1/4" annular corrugations of each end and with or without an optional flange may be used. This allows of any of the annular coupling bands shown for pipe of the same diameter and wall thicknesses and having 2 1/2" x * 1/4" corrugations.
10. No. 12 Hugger bands are required for diameters through 96" and three block 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