Corrugated Metal Pipe Coupling Details No. 5

The corrugated metal pipe coupling shall be of the helical or annular type. The coupling shall consist of a number of corrugations equal to the number of corrugations in the pipe to be connected, added to the required number of corrugations for the neutral layer, as specified in the table below.

**Pipe Corrugations**
- **Helical**: 3-..." wide, 3-..." deep, 0.052" thick, single row.
- **Annular**: 3-..." wide, 1-..." deep, 0.052" thick, single row.
- **Double**: 2-..." wide, 1-..." deep, 0.052" thick, double row.
- **Double**: 2-..." wide, 1-..." deep, 0.052" thick, double row.

**Straps**
- **High Strength Steel**: 0.105" thick, 32 ksi.
- **Low Strength Steel**: 0.075" thick, 45 ksi.

**Welds**
- **Fillet Welds**: 0.064" thick, 32 ksi.
- **Spot Welds**: 0.079" thick, 45 ksi.

**Dimensions**
- **Pipe Size**: 10".
- **Strap Width**: 2-...".
- **Strap Depth**: 1-...".
- **Strap Thickness**: 0.052".

**Notes**
- For pipes of unequal thickness, use straps of equal thickness or straps of equal strength.
- For pipes of unequal width, use straps of equal width or straps of equal strength.
- For pipes of unequal depth, use straps of equal depth or straps of equal strength.
- For pipes of unequal number of corrugations, use straps of equal number of corrugations or straps of equal strength.

**Material Specifications**
- **High Strength Steel**: ASTM A516 Grade 70.
- **Low Strength Steel**: ASTM A516 Grade 55.

**Design Considerations**
- **Minimum Strength**: 45 ksi.
- **Minimum Corrugations**: Two full corrugations at each end.
- **Minimum Width**: 2-...".

**Installation**
- **Rerolled Ends**: 2-..." x 2-..." annular corrugations and 1/16" x 1/16" ribs at 8..." pitch in steel only.
- **Fillet Welds**: 0.064" thick, 32 ksi.
- **Strap Welds**: 0.075" thick, 45 ksi.

**Drawings**
- **Spiral Rib Profile**: CSP PIPE 10 0.079" R
- **Annular and Helical Profile**: CSP PIPE 10 0.079" R

**Dimensions and Weights**
- **Pipe Size**: 10-..."
- **Strap Width**: 2-..."
- **Strap Depth**: 1-..."
- **Strap Thickness**: 0.052"

**Notes on Claiming**
- **Accuracy and Completeness**: The accuracy or completeness of scanned or Agents shall not be responsible for any errors or omissions in the information provided.