



# Huggerband H-500 Coupler

Armtec's Huggerband is a highly effective semi-corrugated coupler. It is available in a 500mm width. Huggerband is recommended for storm sewers and other installations where low leakage rates and resistance to longitudinal disjuncting are prime requirements. The the 500mm band is recommended for larger diameter pipe.

When used with O-ring gaskets on a graded, well compacted surface the Huggerband provides an extremely tight joint with low infiltration and exfiltration rates. It is the most effective low leakage gasketed coupler for corrugated steel pipe on the market today.

### Maximum Mechanical Pull-apart Resistance

Ensures a long service life, especially for applications with weak soils and/or freeze-thaw conditions.

### Minimum Joint Leakage

Minimizes infiltration/exfiltration - keeping design flows in the pipe and ground water out.

### APPLICATIONS

- Culvert crossings
- Storm sewers
- Stormwater detention tanks
- Relines

### Long Service Life

Available in a variety of coatings to provide a design service life of up to 100 years.



ONE PIECE - Triple bar and strap assembly



TWO PIECE - Triple bar and strap Huggerband



Huggerband w/ Neoprene Gasket

Armtec Huggerband couplers are available as a one or two piece triple bar and strap assembly - **EXCEEDING THE CSA G401 MINIMUM TWO BAR AND STRAP REQUIREMENT.**

## The Huggerband coupler system components

**A**

### Semi-Corrugated Coupler Sheet

This sheet is specially designed to permit installation of elastomeric O-ring gaskets on annular pipe ends. The sheet is available in a variety of steel coatings (Galvanized, Aluminized Steel Type 2, and Polymer Laminate) to suit a wide range of environmental conditions.

**B**

### Galvanized Steel Strap and Forged Steel Bar Complete with Coupler Bolts

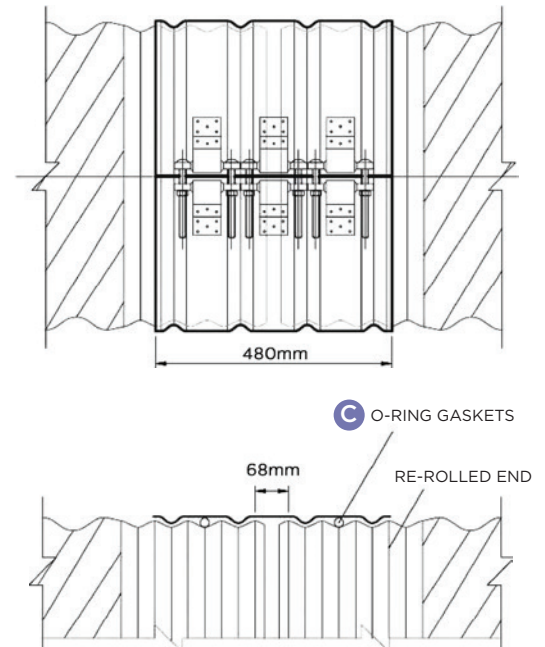
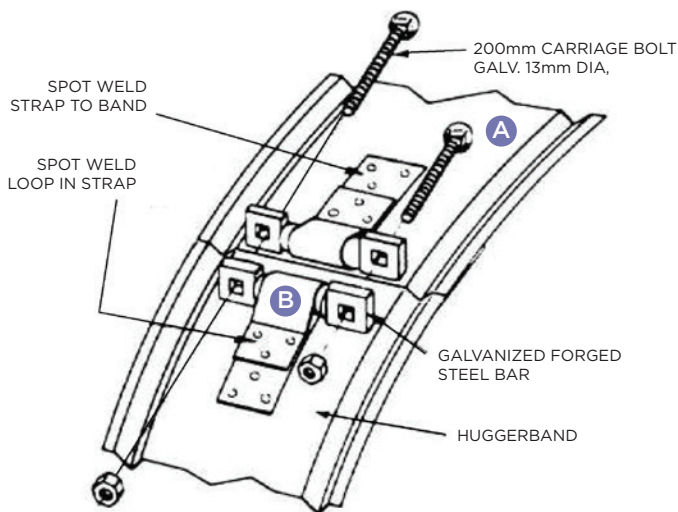
The bar and strap system allows the coupler bolt to be tight to the coupler sheet. This allows improved transferring of bolt tension to the coupler's pull-apart resistance.

**C**

### Elastomeric O-Ring Gasket

Together with the neoprene gasket at the coupler sheet lap(s), the elastomeric O-ring gasket maximizes leak resistance - critical in reducing infiltration/exfiltration at the joint.

### H-500 Huggerband - Joint cross section



### Installation

For installation instructions please refer to the Huggerband Installation Guide.

### Specifications

1. Armtec H-500 Huggerband Couplers conforming to CSA G401 complete with Galvanized Steel Straps, Galvanized Forged Steel Straps, Coupler Bolts, Elastomeric O-Ring Gaskets and Neoprene Gaskets.
2. Coupler Sheet to specified wall thickness (1.6mm), diameter (300mm - 3600mm) and coating (Galvanized Steel, Aluminized Steel Type 2 or Polymer Laminate).
3. Armtec to provide Armtec Huggerband Puller tool, Deep Wall Socket and Huggerband Installation Guide.



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