



SteelCor CSP Specification

SCOPE

This specification covers the requirements of 150 mm to 3600 mm nominal inside diameter galvanized, aluminized or polymer laminated Corrugated Steel Pipe (CSP) with helical lock seam used for gravity-flow drainage applications.

PIPE REQUIREMENTS AND MATERIALS

Corrugated Steel Pipe and coatings shall be manufactured in compliance with the latest version of CSA G401. Corrugations shall be helical lock-seam except at the ends, where the pipe can be re-rolled to a 68 mm x 13 mm corrugation profile to allow the use of annular corrugated couplers.

CSP is available in one of three coatings that comply with the latest version of CSA G401: Zinc, Aluminized Type II and Polymer Laminate. Zinc coating is applied using a continuous hot-dip galvanizing process to a minimum 610 g/m² total both sides. Aluminized Type II coating is applied using a continuous hot-dip process to a minimum 305 g/m² total both sides. Polymer laminate sheet with a minimum thickness of 250 µm is applied to each side of a galvanized zinc coated coil.

Perforated pipe is available in 150 mm, 200 mm and 250 mm diameters.

JOINTS

Annular corrugated standard couplers with bolted connections, dimpled coupling bands and Hugger Bands shall be made from galvanized, aluminized or polymer laminated steel and shall comply with standard CSA G401.

FITTINGS AND ACCESSORIES

Fittings, accessories and couplers are factory welded. All welds shall be continuous, brushed, then painted with zinc or polymer according to standard CSA G401.

INSTALLATION

Installation shall be carried out in compliance with standard provincial or local standards and follow Armtec's guidelines. Contact the Armtec technical representative in your region for recommendations.

PIPE ARCH

Pipe arch is available for projects where vertical space is limited.

DIMENSIONS

Corrugation (mm x mm)	38 x 6.5 ¹	68 x 13	125 x 25
Pitch (mm)	38	68	125
Depth (mm)	6.5	13	25
Inside Diameter (mm)	150, 200, 250	300 - 2000	1200 - 3600
Wall Thickness (mm) ²	1.6	1.6, 2.0, 3.5, 4.2	2.0, 2.8, 3.5, 4.2

Note:

1. Only available in Galvanized and Aluminized Type II without rolled ends. Joints are split helical corrugated couplers only.
2. Material thickness and coating availability are dependent on regional manufacturing capabilities and inventory.



Armtec is a leading national manufacturer of a comprehensive range of infrastructure products and engineered construction solutions for customers in a diverse cross-section of industries. With operations coast to coast, we are a trusted partner for transportation, public works, forestry, oil and gas, and mining operations throughout the country and abroad. Since 1908 our commitment to quality, customer service and innovation has set the benchmark in the Canadian drainage and bridge landscape.

Call **1-800-565-1152** or visit **armtec.com**