Casing Spacer - Model CSC8

Specification & Certificate of Compliance

The CCI Model CSC8 Casing Spacer shall be constructed of circular Carbon Steel bands, which bolt together forming a shell around the carrier pipe. The casing spacer shall be lined with a ribbed PVC extrusion with a retaining section that overlaps the edges of the shell and prevents slippage. The spacer shall be designed using runners with or without risers to support the carrier pipe within the casing and to maintain a minimum clearance of 1.0 in. between the casing ID and the carrier pipe OD.

The runners shall be Glass Reinforced Polymer with the ends of the runners beveled to facilitate installation over rough weld beads or the welded ends of misaligned or deformed casing pipe. The runners shall be attached to support structures (shell or risers) at appropriate positions to properly support the carrier pipe within the casing and for ease of installation. They shall have a minimum length of 7.0 in. and a minimum width of 2.0 in.

The shell shall be manufactured of 8.0 in. wide, Hot Rolled, Pickled, & Oiled 14-Gauge Carbon Steel. The riser shall be constructed of Hot Rolled, Pickled, & Oiled 10-Gauge Carbon Steel, 6.75 in. minimum lengths with a height to be determined based on the annular space between the carrier pipe OD and the casing ID.

Recommended positioning is to place one casing spacer 1-2 feet on each side of the bell joint and one every 6-8 feet apart thereafter for a total of three casing spacers per carrier pipe joint. CCI engineering reserves the right to recommend spacing according to the application.

Physical Properties

SHELL & RISERS
Shell – 14-Gauge Hot Rolled, Pickled & Oiled Steel
Risers – 10-Gauge Hot Rolled, Pickled & Oiled Steel

FINISH
Copolymer-Based Thermoplastic Coating, 10-15 mil
Adhesion: ASTM D4541 >1,000 psi
Hardness: Durometer Shore 'D' 53
Max Operating Temperature (Constant): 150°F (65°C)

RUNNERS
2" Wide Glass Reinforced Polymer
Length: 11" (279.4 mm) Minimum
Tensile Strength: ASTM D638 27.0 ksi
Compressive Strength: ASTM D695 33.0 ksi
Flexural Strength: ASTM D695 40 ksi
Izod Impact @ 73°F (23°C): 11 kJ/m^2
Melting Point: ASTM D3418 504°F (262°C)

LINER – PVC (EPDM Alternate)
Thickness: 0.09" (2.29mm) Minimum
Hardness: ASTM D2240 Durometer Shore 'A' 80-90
Dielectric Strength: ASTM D149-13 1,000 VPM
Water Absorption: 1% Maximum
Overlaps edges

ASSEMBLY HARDWARE
Bolts: 5/16"-18UNC x 2" Long Zinc Plated
Nuts: 5/16" Zinc Plated Hex
Washers: 5/16" Zinc Plated SAE 2330 Flat

WELDING
All risers shall be welded to the shell by MIG welding.
All welds are to be fully passivated.

CCI Piping Systems certifies the Model CSC8 Carbon Steel Casing Spacers are of the highest quality which meet or exceed industry standards.

CCI Piping Systems, LLC

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