

# Cadweld Rail Track Connector Bond Kit, Single-Leg



The Cadweld Rail Track Connector Bond Kit, Single-Leg, is intended to be welded to the web of the rail at the neutral axis as a single-leg connection. The kit has all the necessary components to establish a welded bond connection to the web of the rail. This technique guarantees connection reliability and consistent electrical resistance, using nVent ERICO Cadweld welding material. The bond is designed to be welded at the rail profile neutral axis level, where the stress and strain are minimal.

## FEATURES

Provides unchanging electrical resistance

Superior corrosion resistance

Easy installation, with minimum installer training required

Simple and highly-portable installation equipment

Equally usable on old, worn, or new rails

Available as bond-only or incorporated in a Bond Kit including all necessary parts to ensure easy handling at jobsite

## SPECIFICATIONS

|                             |                             |
|-----------------------------|-----------------------------|
| <b>Handle Clamp:</b>        | C105B x 2, Sold Separately  |
| <b>Material:</b>            | Cadmium Bronze;Copper Alloy |
| <b>Finish:</b>              | Electrogalvanized;Tinned    |
| <b>Bond Terminal Style:</b> | Tab                         |

Table 1/1

| Catalog Number | Grinding Wheels Included | Conductor Size   | Connector Conductor Size | Length 1 (L1) | Length 2 (L2) | Diameter (Ø) |
|----------------|--------------------------|------------------|--------------------------|---------------|---------------|--------------|
| SBTBBU4A       | No                       | 3/16" Bondstrand | 3/16" Bondstrand         | 120.7 mm      | 27 mm         | 4.8 mm       |
| SBTBBU4AW2     | Yes                      | 3/16" Bondstrand | 3/16" Bondstrand         | 120.7 mm      | 27 mm         | 4.8 mm       |

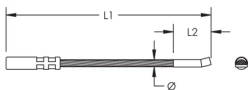
| Catalog Number    | Grinding Wheels Included | Conductor Size   | Connector Conductor Size | Length 1 (L1) | Length 2 (L2) | Diameter (Ø) |
|-------------------|--------------------------|------------------|--------------------------|---------------|---------------|--------------|
| SBTBBU4G          | No                       | 3/16" Bondstrand | #6 Solid                 | 120.7 mm      | 27 mm         | 4.8 mm       |
| SBTBCU412         | No                       | 3/16" Bondstrand | 3/16" Bondstrand         | 323.85 mm     | 27 mm         | 4.8 mm       |
| SBTBCU412W2       | Yes                      | 3/16" Bondstrand | 3/16" Bondstrand         | 222.3 mm      | 27 mm         | 4.8 mm       |
| SBTBCU48          | No                       | 3/16" Bondstrand | 3/16" Bondstrand         | 222.3 mm      | 27 mm         | 4.8 mm       |
| SBTBCU4C4.12<br>5 | No                       | 3/16" Bondstrand | 3/16" Bondstrand         | 104.8 mm      | 25.4 mm       | 4.8 mm       |

## ADDITIONAL PRODUCT DETAILS

Kits include: (100) bonds, (100) F80 alloy welding material, (1) replacement mold pair, (1) flint ignitor, (1) mold cleaner, and (5) grinding wheels (where applicable).

Kits with grinding wheels include (5) high-performance grain, 4.5" (114 mm) diameter (7/8" arbor), Type 27 depressed center wheels (part number SBG20046) for use with an angle style grinders.

## DIAGRAMS



## WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at [www.nvent.com](http://www.nvent.com) and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

**⚠ WARNING:** This product can expose you to chemicals including cadmium, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

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