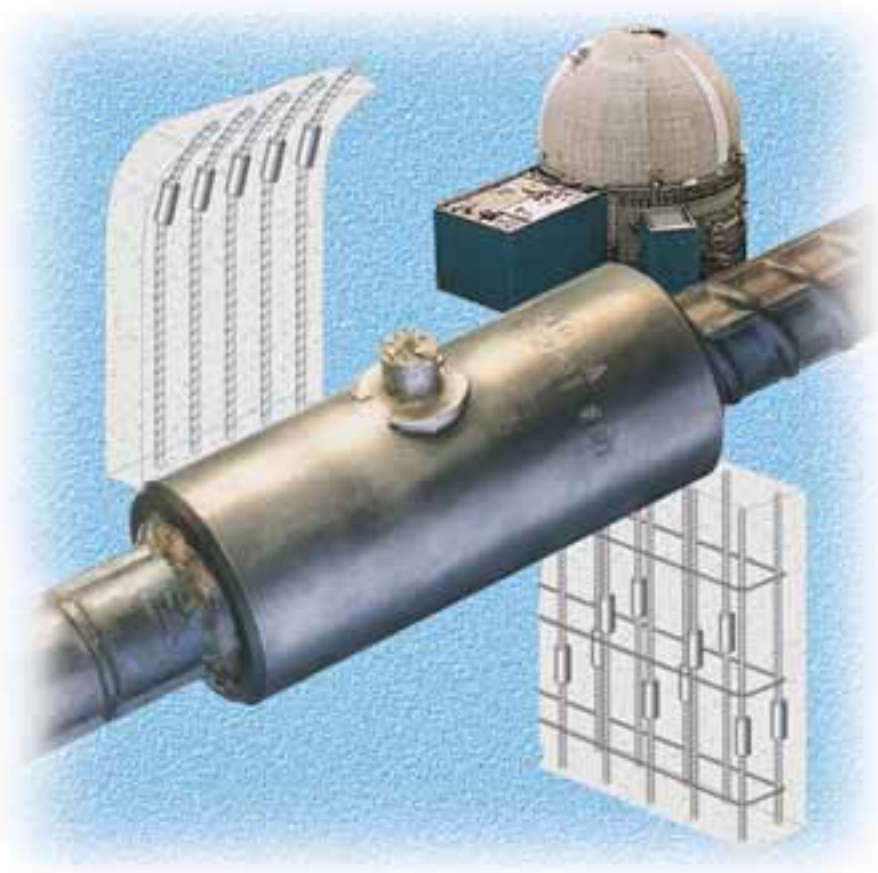
# CADWELD® Rebar Metal Filled Mechanical Splices



ERICO®

# The Company

ERICO® is a leading designer, manufacturer and marketer of precision-engineered specialty metal products serving global niche product markets in a diverse range of electrical, construction, utility and rail applications. The company is headquartered in Solon, Ohio, USA with a network of sales locations serving more than 25 countries and with manufacturing and distribution facilities worldwide. ERICO's well-known brand names include: CADDY® fixings, fasteners and supports; CADWELD® welded electrical connections; CRITEC® surge protection devices; ERICO® rail bonds and specialty products; ERIFLEX® low-voltage panel components; ERITECH® electrical products; and LENTON® concrete reinforcement. Visit ERICO online at www.erico.com.


## Concrete Reinforcement Products

ERICO pioneered the mechanical-rebar-splicing process more than 40 years ago. In 1961, the company entered the rebar-splicing and termination marketplace with the introduction of the CADWELD® rebar splice. It has since expanded to include LENTON® taper-threaded systems, LENTON® FORM SAVER, LENTON® LOCK, LENTON® INTERLOK, LENTON® QUICK WEDGE, and LENTON® SPEED SLEEVE splicing systems.

ERICO's mechanical rebar splices are tested and proven. They offer the most effective way of joining reinforcing bars and meet the codes of national and international regulatory organizations.

### LENTON®
LENTON Splices are taper threaded to help assure a precise positive connection every time. Quick, dependable and cost effective, LENTON is one of the most widely used splicing systems available today.

### LENTON® FORM SAVER
LENTON FORM SAVER is ideal for segmental pours because it eliminates protruding dowels. It is uniquely designed with LENTON taper threads, factory-installed thread protectors and keyed mounting holes for easy attachment to the form.

### LENTON® LOCK
LENTON LOCK couplers allow for easy and simple field installation since no bar-end preparation, sawing or swaging is necessary. The couplers can be installed with just a standard wrench or an impact wrench depending on coupler size. The bolt heads will shear off when proper installation tightness has been reached, which allows for visual inspection.

### LENTON® INTERLOK
The LENTON INTERLOK system provides structural integrity for joining rebar in precast construction. The system eliminates blockouts and concrete patching in precast construction, thus providing architecturally appealing results.

### LENTON® QUICK WEDGE
Designed for retrofit applications, LENTON QUICK WEDGE is one of the fastest and easiest splices to install. Because it uses short dowels, LENTON QUICK WEDGE reduces costly concrete removal.

### LENTON® SPEED SLEEVE
The first choice of contractors for compression-only situations, LENTON SPEED SLEEVE is uniquely designed for fast, one-person installation and easy inspection.

### CADWELD®
For applications where strength and toughness are critical, CADWELD – the premier mechanical splicing system – offers consistency, versatility and flexibility.

# The CADWELD® Advantage

CADWELD® has earned its reputation as one of the strongest splices for the most demanding applications. The primary use for CADWELD is in critical structures requiring high safety margins such as blast-resistant facilities, pressure-vessel applications or seismic design. Due to its popularity in critical structures, CADWELD is one of the world's most tested mechanical splice. Its record includes more than 25,000 actual field-made tensile tests. Key features of the product include:

- Consistently developing minimum ultimate strength of the rebar (>150% of yield)
- Excellent joining of circumferential bars
- Simplifying acceleration of splicing schedules
- Retrofitting and repairing with short dowels and no bar-end preparation
- Complies with ASME® Section III Div. 2 (ACI® 359) and ACI 349
- Utilized in more than 200 nuclear projects worldwide

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## How It Works

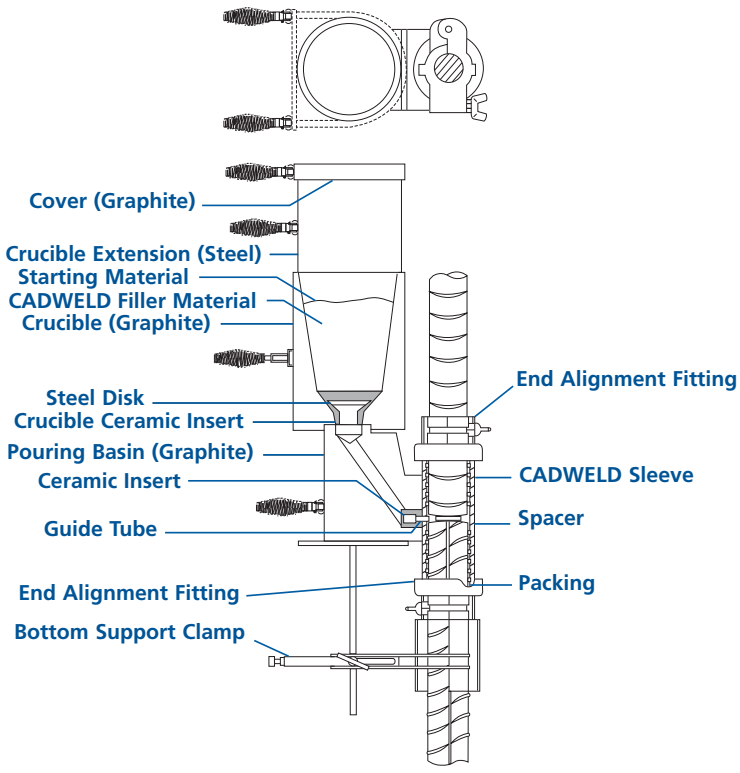
CADWELD filler material is placed in a graphite crucible and ignited, causing an exothermic reaction to take place, turning it into molten filler metal.

By melting through a steel disk at the bottom of the crucible, the filler metal flows out of the crucible along a channel in the graphite pouring basin directing the flow into the CADWELD splice sleeve. (The CADWELD splice sleeve is located approximately equidistant over the rebar ends to be spliced.) CADWELD filler metal mechanically locks or keys the splice sleeve to the reinforcing bars using the bar deformations and internal grooves in the splice sleeve. The finished connection develops strength and consistency unequalled in the industry.

When the reinforcing bars are in tension, the CADWELD filler metal is in shear and transfers the load from the deformations on one bar to the internally grooved splice sleeve to the deformations on the other bar.

When the reinforcing bars are in compression, the load is transferred through the layer of CADWELD filler material that fills the space between the ends of the bars.

For splicing reinforcing bars the CADWELD rebar splicing system creates a mechanical connection that interlocks the rebars together. It is not a weld.



# CADWELD® Mechanical Rebar Splicing

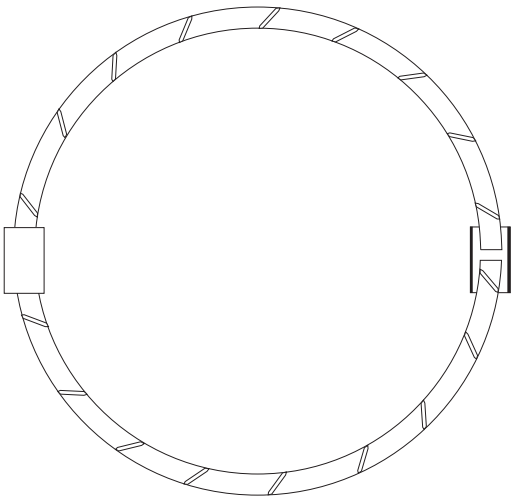
The CADWELD® Rebar Splice is a mechanical means (not a weldment) of splicing deformed bars that produces a joint with basically the same mechanical properties as those of an unspliced bar and without the inherent disadvantages of welded, lapped or other types of mechanical splices.

Please note: CADWELD material does not contain cadmium

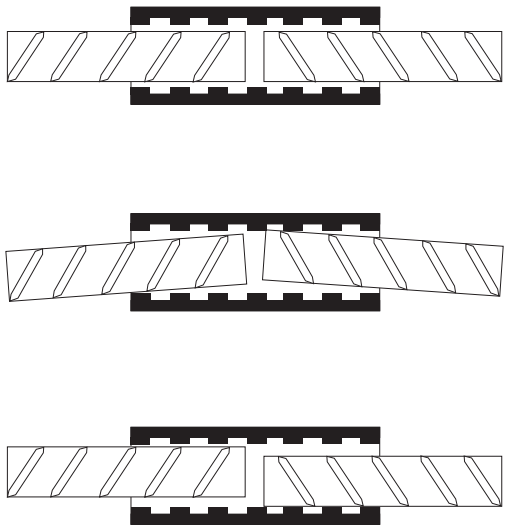
## Advantages:

1. Does not require special bar-end preparation. Works with flame, shear or saw-cut bar ends.
2. Works on all grades of steel – even with bars where the chemistry of the steel (known or unknown) rules out field welding. Can be used to splice thread deformed and all thread bars.
3. No specific preheat temperature or controlled cooling is required even with alloy or high carbon bars.
4. Splices can be made regardless of the ambient temperature of the bars.
5. Can be visually inspected – does not require radiography. (X-rays are not necessary.)
6. CADWELD splices are designed to meet or exceed all ACI® 318, 349 and 359 Building Code requirements and ASME® Section III Division 2.
7. No special skill is required on the part of the user.
8. Placing schedules can be accelerated because of the ease and speed of splicing. (It is ideal for slip forming.)
9. Splicing equipment can be designed to meet special space and working restrictions.
10. Complies with requirements of NQA-1 & NCA 3800.

Connects radius bars and hoops



Design allows for generous field tolerances

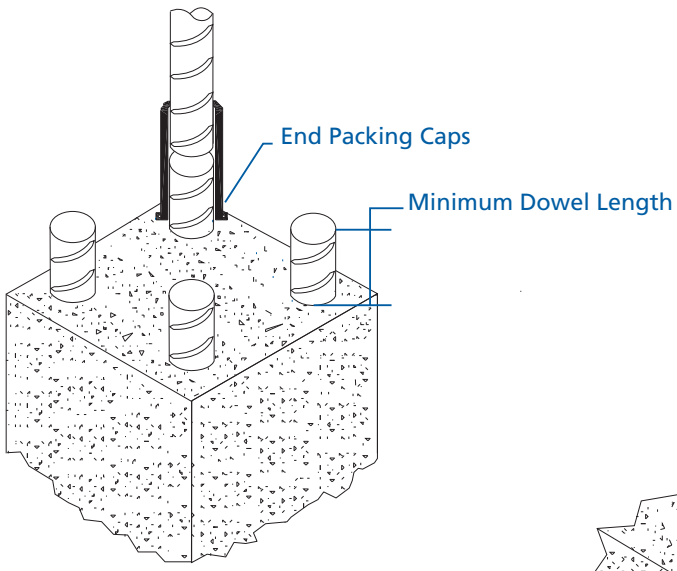


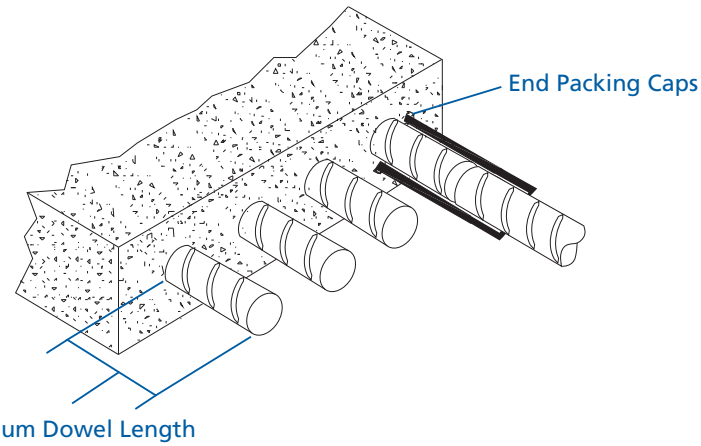
# Splicing to Short Rebar Dowels

CADWELD® Rebar Splices can be made on short rebar dowels using either the standard end alignment fitting or the end packing cap. The line drawings below indicate the use of the end packing caps on short dowels in both the vertical and horizontal position.

This feature permits varying lengths of dowels to suit job conditions. Normally, column dowels are waist high for working convenience. However, the dowel height may be as short as 3 to 5 inches (76 to 127 mm) to facilitate movement of equipment or material, minimal concrete removal for maintenance, structural repairs and future additions. See Table below for minimum dowel height required.

| Rebar Size | End Packing Clamp Part Number | Minimum Dowel Height (inch) | |
|---|---|---|---|
| | | With End Packing Cap | With End Alignment Fitting |
| #18 (57 mm) | RBS362218 | 4-7/8 | 6-7/8 |
| #14 (43 mm) | RBS362214 | 3-7/8 | 5-7/8 |
| #11 (36 mm) | RBS362211 | 3-3/8 | 5-3/8 |
| #10 (32 mm) | RBS362210 | 3-1/8 | 5-1/8 |
| #9 (28 mm) | RBS36229 | 2-7/8 | 4-7/8 |
| #8 (25 mm) | RBS36228 | 2-7/8 | 4-7/8 |
| #7 (22 mm) | RBS36227 | 2-7/8 | 4-7/8 |
| #6 (20 mm) | RBS36226 | 2-7/8 | 4-7/8 |
| #5 (16 mm) | RBS36225 | 2-7/8 | 4-7/8 |
| #4 (12 mm) | RBS36225 | 2-7/8 | 4-7/8 |



# T-Series CADWELD® Sleeves For ASTM® Specified Minimum Tensile Strength

## T-Series Splices (Bar-to-Bar)
## Splice Strength = ASTM Specified Minimum Tensile Strength

The CADWELD® T-Series splices (or sleeves) are designed to exceed the specified minimum tensile strength for the grades of reinforcing bar specified in ASTM Standards A-615 and A-706. This splice series exceeds all ACI-318 Building Code requirements. The CADWELD T-Series splices also exceed the requirements of ACI-349 & ACI/ASME®-359.

CADWELD T-Series splices are recommended for structures that must resist loading due to blast, earthquake, etc. They are also recommended for structures with extraordinarily high safety requirements such as nuclear containment vessels, bridges, and special purpose structures.

**Standard T-Series (same size rebar) - See Figure 1**

| Sleeve Part Number | Size Designation | | | | L | | O.D. | | I.D. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | in-lb | Metric | Canadian | Soft Metric | in | mm | in | mm | in | mm |
| RBT1891A (1A) | 18 | 57 mm | 55M | 57 | 9 (10) | 228.6 | 3-3/4 | 95.3 | 2-5/8 | 66.7 |
| RBT4558A | --- | 50 mm | --- | 50 | 8 | 203.2 | 3-3/8 | 85.7 | 2-3/8 | 60.3 |
| RBT14101A (1A) | 14 | 43 mm | 45M | 43 | 7 (8) | 177.8 | 3 | 76.2 | 2-1/8 | 54.0 |
| RBT4117A | --- | 40 mm | --- | 40 | 7 | 177.8 | 2-7/8 | 73.0 | 2 | 50.8 |
| RBT12917A | --- | 38 mm | --- | 38 | 7 | 177.8 | 2-3/4 | 69.9 | 1-7/8 | 47.6 |
| RBT11101A (1A) | 11 | 36 mm | 35M | 36 | 6 (7) | 152.4 | 2-1/2 | 63.5 | 1-3/4 | 44.5 |
| RBT1091A (1A) | 10 | 32 mm | --- | 32 | 5-1/2 - 6-1/2 | 139.7 | 2-1/4 | 57.2 | 1-5/8 | 41.3 |
| RBT9101A (1A) | 9 | 28 mm | 30M | 29 | 5 (6) | 127 | 2-1/8 | 54.0 | 1-1/2 | 38.1 |
| RB8101A (1A) | 8 | 25 mm | 25M | 25 | 5 (6) | 127 | 1-7/8 | 47.6 | 1-1/4 | 31.8 |
| RBT7101A (1A) | 7 | 22 mm | --- | 22 | 5 (6) | 127 | 1-5/8 | 41.3 | 1-1/8 | 28.6 |
| RBT6101A (1A) | 6 | 20 mm | 20M | 19 | 5 (6) | 127 | 1-1/2 | 38.1 | 1 | 25.4 |
| RBT5101A (1A) | 5 | 16 mm | 15M | 16 | 4 (5) | 101.6 | 1-3/8 | 34.9 | 7/8 | 22.2 |
| RBT5101A (1A) | 4 | 12 mm | 10M | 13 | 4 (5) | 101.6 | 1-3/8 | 34.9 | 7/8 | 22.2 |

Fig. 1: Standard Sleeve

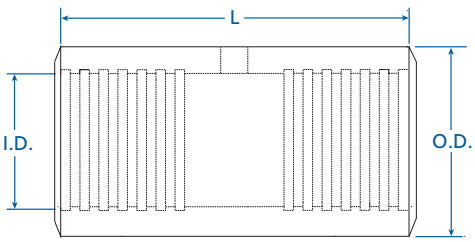
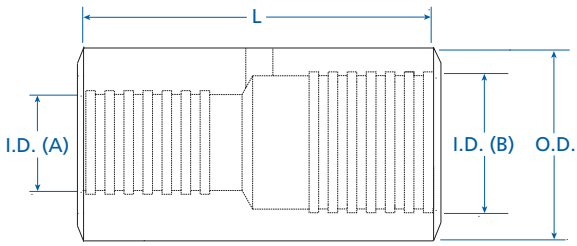



Fig. 2: Transition Sleeve




**Transition T-Series (different size rebars) - See Figure 2**

| Size Designation in-lb | Sleeve Catalog Number | L | | O.D. | | I.D. (A) | | I.D. (B) | |
|---|---|---|---|---|---|---|---|---|---|
| | | in | mm | in | mm | in | mm | in | mm |
| #14 (43 mm) to #18 (57 mm) | RBT1418101A (1A) | 6-1/2 (7-1/2) | 165.1 | 3-3/8 | 85.7 | 2-1/8 | 54.0 | 2-5/8 | 66.7 |
| #11 (36 mm) to #18 (57 mm) | RBT1118101A (1A) | 6-1/2 (7-1/2) | 165.1 | 3-3/8 | 85.7 | 2-1/8 | 54.0 | 2-5/8 | 66.7 |
| #11 (36 mm) to #14 (43 mm) | RBT1114101A (1A) | 6 (7) | 152.4 | 2-3/4 | 69.9 | 1-3/4 | 44.5 | 2-1/16 | 52.4 |
| #10 (32 mm) to #11 (36 mm) | RBT11101A (1A) | 6 (7) | 152.4 | 2-1/2 | 63.5 | 1-3/4 | 44.5 | 1-3/4 | 44.5 |
| #9 (28 mm) to #10 (32 mm) | RBT10101A (1A) | 5 (6) | 127.0 | 2-1/4 | 57.2 | 1-5/8 | 41.3 | 1-5/8 | 41.3 |
| #8 (25 mm) to #9 (28 mm) | RBT9101A (1A) | 5 (6) | 127.0 | 2-1/8 | 54.0 | 1-1/2 | 38.1 | 1-1/2 | 38.1 |
| #7 (22 mm) to #8 (25 mm) | RBT8101A (1A) | 5 (6) | 127.0 | 1-7/8 | 47.6 | 1-1/4 | 31.8 | 1-1/4 | 31.8 |
| #6 (20 mm) to #7 (22 mm) | RBT7101A (1A) | 5 (6) | 127.0 | 1-5/8 | 41.3 | 1-1/8 | 28.6 | 1-1/8 | 28.6 |

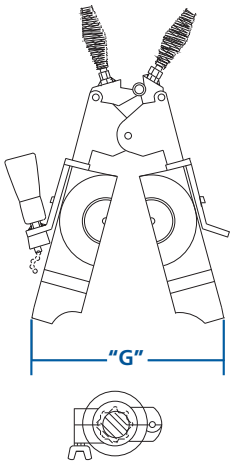
Refer to the CADWELD Instruction Manual C471B for complete information. Visit www.erico.com for a copy.

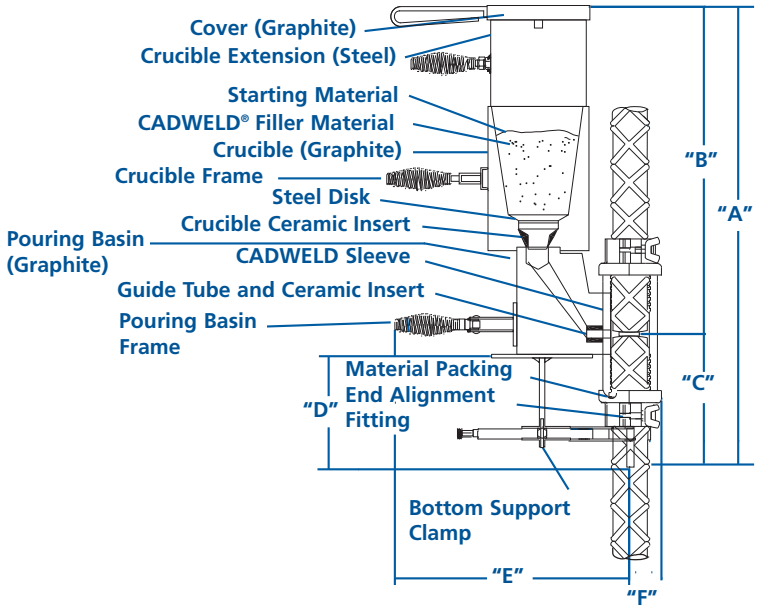
# T-Series Splices

## Vertical Splice Equipment Details

| Sleeve Kit Part Number | Size Designation in-lb | Metric | Cana-dian | Soft Metric | A in | A mm | B in | B mm | C in | C mm | D in | D mm | E in | E mm | F in | F mm | G in | G mm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RBT1891 | 18 | 57 mm | 55M | 57 | 33 | 838 | 23 | 584 | 10 | 254 | 8-1/2 | 216 | 16 | 406 | 2-1/2 | 63.5 | 7-3/4 | 197 |
| RBT4558 | --- | 50 mm | --- | 50 | 33 | 838 | 23 | 584 | 10 | 254 | 8-1/2 | 216 | 16 | 406 | 2-1/2 | 63.5 | 7-3/4 | 197 |
| RBT14101 | 14 | 43 mm | 45M | 43 | 30-1/2 | 775 | 21-1/2 | 546 | 9 | 229 | 8-3/4 | 222 | 15-1/4 | 387 | 2-1/2 | 63.5 | 7-1/2 | 191 |
| RBT4117 | --- | 40 mm | --- | 40 | 30-1/2 | 775 | 21-1/2 | 546 | 9 | 229 | 8-3/4 | 222 | 15-1/4 | 387 | 2-1/2 | 63.5 | 7-1/2 | 191 |
| RBT12917 | --- | 38 mm | --- | 38 | 30-1/2 | 775 | 21-1/2 | 546 | 9 | 229 | 8-3/4 | 222 | 15-1/4 | 387 | 2-1/2 | 63.5 | 7-1/2 | 191 |
| RBT11101 | 11 | 36 mm | 35M | 36 | 27 | 686 | 18-1/2 | 470 | 8-1/2 | 216 | 8-1/4 | 210 | 14-3/4 | 375 | 2-1/2 | 63.5 | 7-1/2 | 191 |
| RBT1091 | 10 | 32 mm | --- | 32 | 26 | 660 | 17-3/4 | 451 | 8-1/4 | 210 | 7-3/4 | 197 | 14-1/4 | 362 | 2 | 50.8 | 7 | 178 |
| RBT9101 | 9 | 28 mm | 30M | 29 | 25-3/4 | 654 | 17-3/4 | 451 | 8 | 203 | 7-3/4 | 197 | 14-1/4 | 362 | 2 | 50.8 | 7 | 178 |
| RBT8101 | 8 | 25 mm | 25M | 25 | 25-3/4 | 654 | 17-3/4 | 451 | 8 | 203 | 7-3/4 | 197 | 14 | 356 | 2 | 50.8 | 7 | 178 |
| RBT7101 | 7 | 22 mm | --- | 22 | 25-3/4 | 654 | 17-3/4 | 451 | 8 | 203 | 7-3/4 | 197 | 14 | 356 | 2 | 50.8 | 7 | 178 |
| RBT6101 | 6 | 20 mm | 20M | 19 | 25-3/4 | 654 | 17-3/4 | 451 | 8 | 203 | 7-3/4 | 197 | 13-3/4 | 349 | 2 | 50.8 | 7 | 178 |
| RBT5101 | 5 | 16 mm | 15M | 16 | 25-1/4 | 641 | 17-3/4 | 451 | 7-1/2 | 191 | 7-3/4 | 197 | 13-3/4 | 349 | 2 | 50.8 | 7 | 178 |
| RBT5101 | 4 | 12 mm | 10M | 13 | 25-1/4 | 641 | 17-3/4 | 451 | 7-1/2 | 191 | 7-3/4 | 197 | 13-3/4 | 349 | 2 | 50.8 | 7 | 178 |

### Vertical Splice Equipment Dimensions



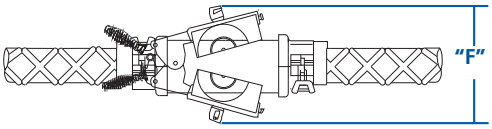



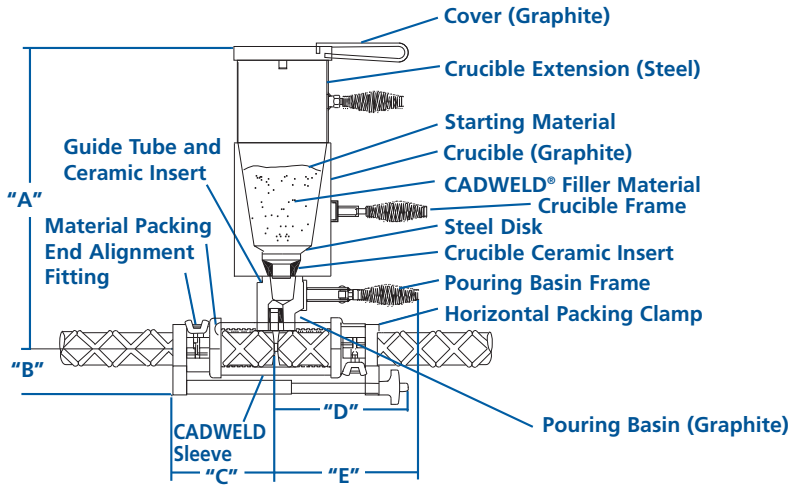
# T-Series Splices

## Horizontal Splice Equipment Details

| Sleeve Kit Part Number | Size Designation | | | | A | | B | | C | | D | | E | | F | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | in-lb | Metric | Cana-dian | Soft Metric | in | mm | in | mm | in | mm | in | mm | in | mm | in | mm |
| RBT1891H | 18 | 57 mm | 55M | 57 | 21-3/4 | 552 | 4-1/4 | 108 | 8 | 203 | 10 | 254 | 10-1/4 | 260 | 8-3/4 | 222 |
| RBT4558H | --- | 50 mm | --- | 50 | 21-3/4 | 552 | 4-1/4 | 108 | 8 | 203 | 10 | 254 | 10-1/4 | 260 | 8-3/4 | 222 |
| RBT14101H | 14 | 43 mm | 45M | 43 | 21-3/4 | 552 | 3-3/4 | 95 | 7 | 178 | 10 | 254 | 10-1/4 | 260 | 8-3/4 | 222 |
| RBT4117H | --- | 40 mm | --- | 40 | 21-3/4 | 552 | 3-3/4 | 95 | 7 | 178 | 10 | 254 | 10-1/4 | 260 | 8-3/4 | 222 |
| RBT12917H | --- | 38 mm | --- | 38 | 21-3/4 | 552 | 3-3/4 | 95 | 7 | 178 | 10 | 254 | 10-1/4 | 260 | 8-3/4 | 222 |
| RBT11101H | 11 | 36 mm | 35M | 36 | 18-3/4 | 476 | 3-3/4 | 95 | 6-1/2 | 165 | 10 | 254 | 10-1/4 | 260 | 8-3/4 | 222 |
| RBT1091H | 10 | 32 mm | --- | 32 | 18-3/4 | 476 | 3-1/2 | 89 | 6-1/4 | 159 | 9 | 229 | 10-1/4 | 260 | 8-3/4 | 222 |
| RBT9101H | 9 | 28 mm | 30M | 29 | 18-3/4 | 476 | 3-1/2 | 89 | 6 | 152 | 9 | 229 | 10-1/4 | 260 | 8-3/4 | 222 |
| RBT8101H | 8 | 25 mm | 25M | 25 | 18-1/2 | 470 | 3-1/2 | 89 | 6 | 152 | 9 | 229 | 10-1/4 | 260 | 8-3/4 | 222 |
| RBT7101H | 7 | 22 mm | --- | 22 | 18-1/2 | 470 | 3-1/2 | 89 | 6 | 152 | 9 | 229 | 10-1/4 | 260 | 8-3/4 | 222 |
| RBT6101H | 6 | 20 mm | 20M | 19 | 18-1/4 | 464 | 3-1/2 | 89 | 6 | 152 | 9 | 229 | 10-1/4 | 260 | 8-3/4 | 222 |
| RBT5101H | 5 | 16 mm | 15M | 16 | 18-1/4 | 464 | 3-1/2 | 89 | 5-1/2 | 140 | 9 | 229 | 10-1/4 | 260 | 8-3/4 | 222 |
| RBT5101H | 4 | 12 mm | 10M | 13 | 18-1/4 | 464 | 3-1/2 | 89 | 5-1/2 | 140 | 9 | 229 | 10-1/4 | 260 | 8-3/4 | 222 |

### Horizontal Splice Equipment Dimensions



# B-Series Splice Sleeves

## Connections of Rebar to Structural Steel
## B-Series Splices (Bar to Structural Steel)
## Splice Strength = ASTM® Specified Minimum Tensile Strength

The CADWELD® B-Series structure splice provides a mechanical means of connecting GRADE 40, 60 and 75 reinforcing bar to structural steel, plates and shapes. This splice series exceeds the ACI® 318 Building Code requirements and the requirements of ACI 349 & ACI/ASME® 359.

The CADWELD B-Series Sleeve is machined from plain carbon steel, AISI Grades 1026 or 1018. Both are considered easily weldable grades of steel and compatible with common grades of structural plate and shapes.

| Typical Chemistries AISI No. | C | Mn | P max. | S max. |
|---|---|---|---|---|
| 1026 | 0.22 – 0.28 | 0.60 – 0.90 | 0.04 | 0.05 |
| 1018 | 0.15 – 0.20 | 0.60 – 0.90 | 0.04 | 0.05 |

### Welding of CADWELD Sleeves to Structural Steel

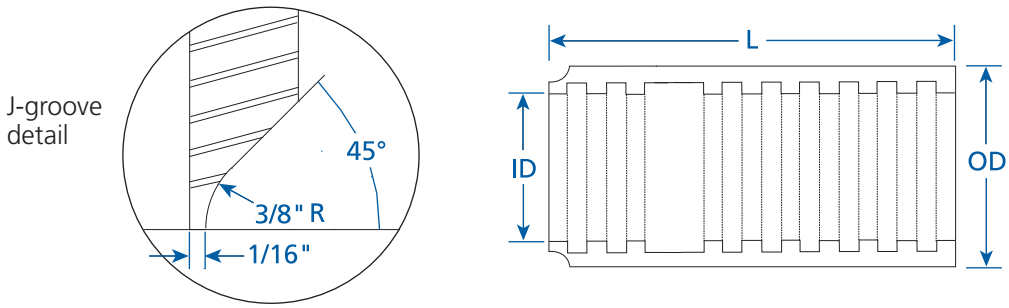
CADWELD sleeves are generally arc welded to the structural steel in a fabricating shop.

The design of the weld, the selection of the electrode, etc. depend on the chemical and physical properties of the structural steel to which the splice sleeves are welded.

The engineer designing the assemblies should refer to the pertinent codes and recommended practices of the American Concrete Institute, American Welding Society, etc.

### Care of Finished Assemblies

Prior to completing the CADWELD B-Series sleeves, the welded assemblies can be covered to inhibit rusting and help prevent foreign contaminants from entering the sleeve interior.



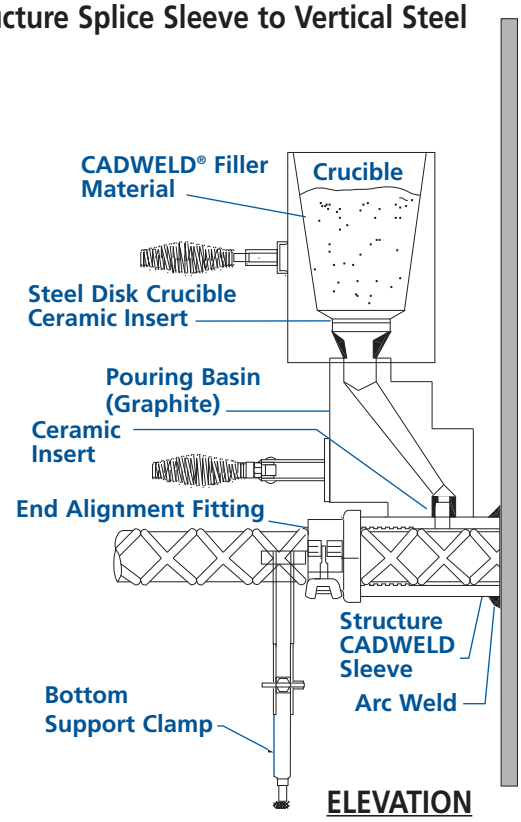

| Rebar Size and Grade | Sleeve Part Number | Splice Sleeve | | | | | |
|---|---|---|---|---|---|---|---|
| | | O.D. | | I.D. | | Length | |
| | | in | mm | in | mm | in | mm |
| #18 (57 mm) | RBB1892JA | 3-3/4 | 95.25 | 2-5/8 | 66.7 | 7 | 177.8 |
| #14 (43 mm) | RBB14101JA | 3 | 76.2 | 2-1/8 | 54 | 6 | 152.4 |
| #11 (36 mm) | RBB11101JA | 2-1/2 | 63.5 | 1-3/4 | 44.5 | 6 | 152.4 |
| #10 (32 mm) | RBB1092JA | 2-1/4 | 57.2 | 1-5/8 | 41.3 | 5 | 127 |
| #9 (28 mm) | RBB992JA | 2-1/8 | 55 | 1-1/2 | 38.1 | 5 | 127 |
| #8 (25 mm) | RBB8101JA | 1-7/8 | 47.6 | 1-1/4 | 38.1 | 5 | 127 |
| #7 (22 mm) | RBB792JA | 1-5/8 | 41.3 | 1-1/8 | 28.6 | 5 | 127 |
| #6 (20 mm) | RBB692JA | 1-1/2 | 38.1 | 1 | 25.4 | 5 | 127 |
| #5 (16 mm) | RBB592JA | 1-3/8 | 34.9 | 7/8 | 22.2 | 5 | 127 |
| #4 (12 mm) | RBB592JA | 1-3/8 | 34.9 | 7/8 | 22.2 | 5 | 127 |

NOTE: Coupler section view shown represents #18, #14, and #11 only.

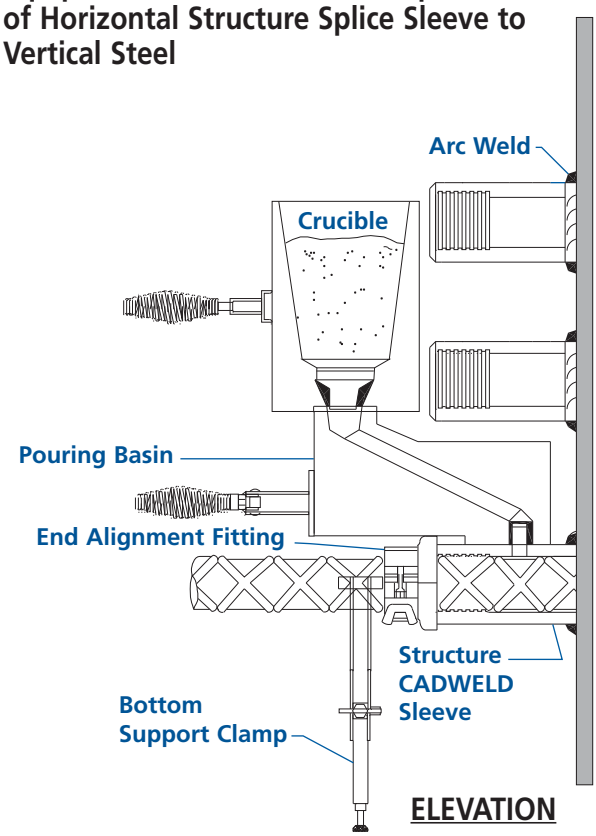
# B-Series Installation – Set Up

For clarity, crucible extension and cover are not shown.

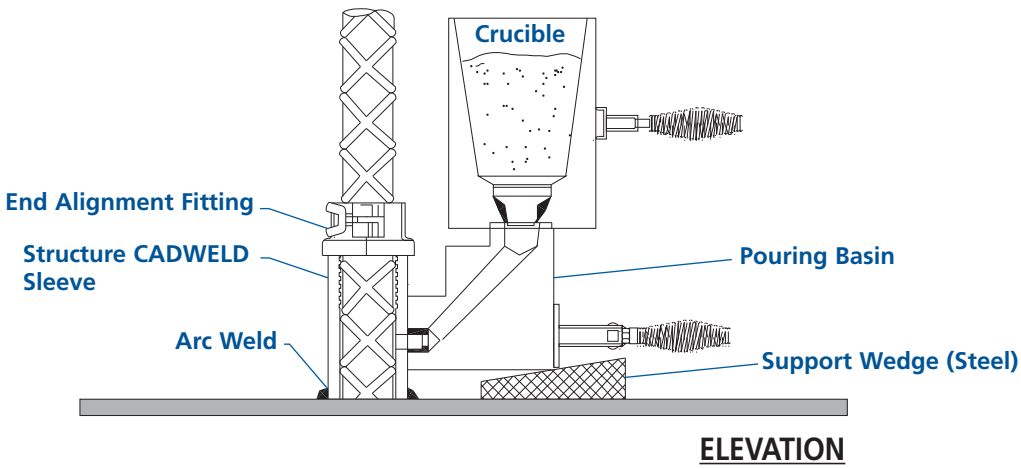
### Equipment in Position on Horizontal Structure Splice Sleeve to Vertical Steel




### Equipment in Position on Multiple Rows of Horizontal Structure Splice Sleeve to Vertical Steel




### Equipment in Position on B-Series Splice Sleeve for Typical Base Plate Application

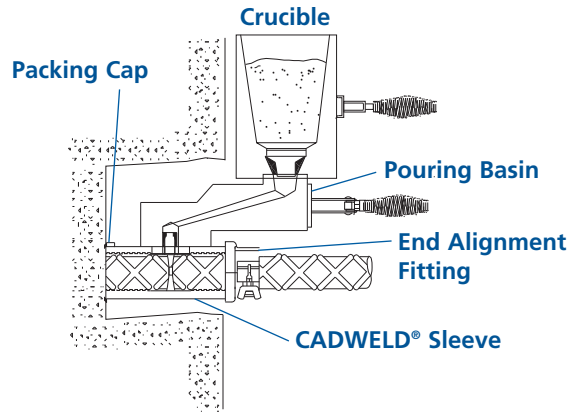



**Refer to the CADWELD Instruction Manual C471B for complete information.**
**Visit www.erico.com for a copy.**

# Special Installation – Set Up

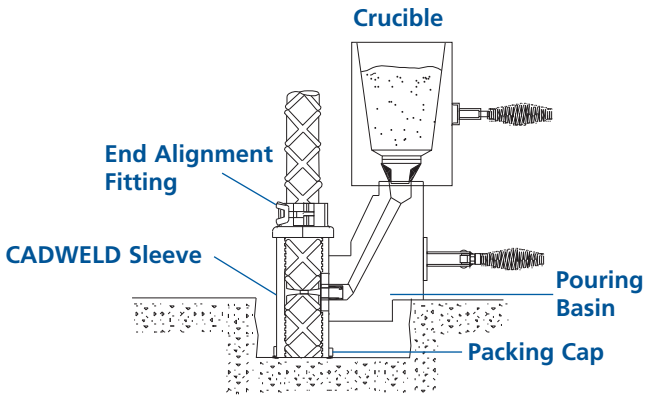
For clarity, crucible extension and cover are not shown. Contact ERICO® with your special applications.

## Horizontal Splice in Hand Hole Opening



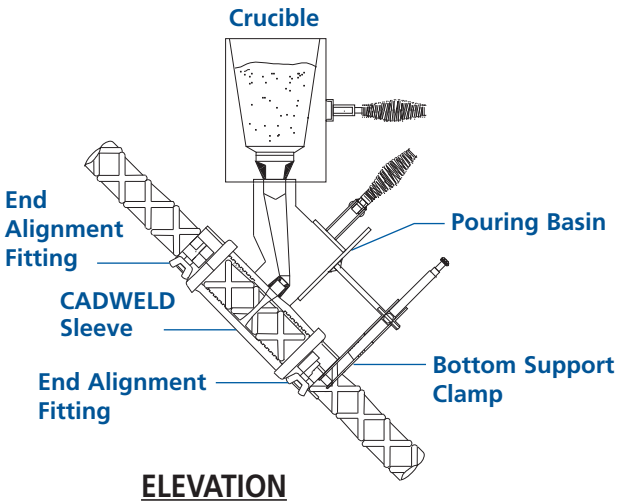

**ELEVATION**

## Vertical Splice in Hand Hole



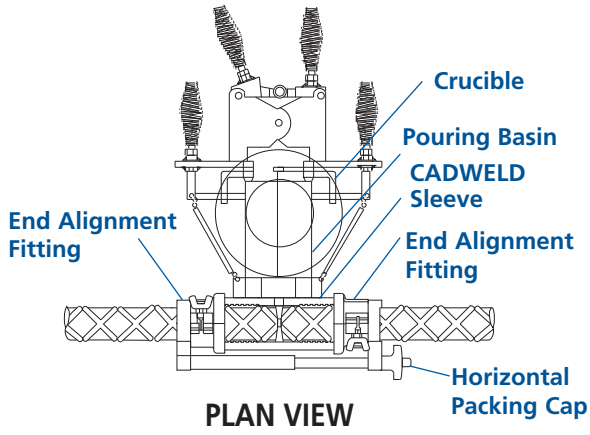

**ELEVATION**

## 45° Splice Equipment



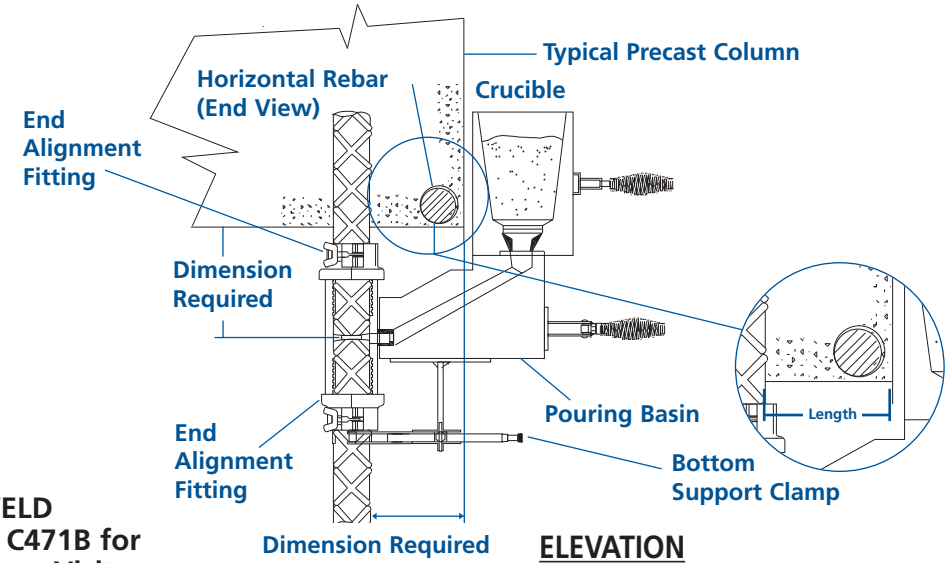

**ELEVATION**

## Equipment for Horizontal Side Filling Splices




**PLAN VIEW**

## Special length vertical pouring basin extended nose allows clearing the horizontal bar or vertical concrete face




**ELEVATION**

**Refer to the CADWELD Instruction Manual C471B for complete information. Visit www.erico.com for a copy.**

# Technical Data

How to Specify CADWELD®

**By Name:**
Mechanical connections shall be CADWELD Mechanical couplers as manufactured by ERICO®.

**By Generic Description:**
Type of splice required is sleeve with ferrous filler material.

**Technical Data**
CADWELD Rebar Splices are engineered for rebar with deformation spacing of 0.75 (or less) times the ASTM® maximum allowable and deformation base width equal to three times ASTM minimum deformation height. See Chart below.

1) Most U.S. rebar meets this specification.

2) Rebar with more widely spaced deformations usually requires a longer splice sleeve to engage more deformations. Contact ERICO.

3) Some rebars with deformations omitted at the mill mark result in a spacing between adjacent deformation in excess of the ASTM maximum deformation spacing and may require longer sleeves. Contact ERICO.

| Bar Size | | | Nominal Dimensions | | | CADWELD | |
|---|---|---|---|---|---|---|---|
| | | | Round Sections | | | Deformation Requirements | |
| Designation ASTM | Diameter Inches | Weight Lb./Ft. | Diameter | Area In.$^2$ | Perimeter | Max. Spacing | Min. Width At Base |
| #18 (57 mm) | 2-1/4 | 13.60 | 2.257 | 4.00 | 7.09 | 1.185 | .306 |
| #14 (43 mm) | 1-3/4 | 7.65 | 1.693 | 2.25 | 5.32 | .889 | .255 |
| #11 (36 mm) | 1-3/8 | 5.313 | 1.410 | 1.56 | 4.430 | .740 | .213 |
| #10 (32 mm) | 1-1/4 | 4.303 | 1.270 | 1.27 | 3.990 | .667 | .192 |
| #9 (28 mm) | 1-1/8 | 3.400 | 1.128 | 1.00 | 3.544 | .593 | .168 |
| #8 (25 mm) | 1 | 2.670 | 1.000 | .79 | 3.142 | .525 | .150 |
| #7 (22 mm) | 7/8 | 2.044 | .875 | .60 | 2.749 | .459 | .132 |
| #6 (20 mm) | 3/4 | 1.502 | .750 | .44 | 2.356 | .394 | .114 |
| #5 (16 mm) | 5/8 | 1.043 | .625 | .31 | 1.963 | .327 | .084 |
| #4 (12 mm) | 1/2 | .668 | .500 | .20 | 1.571 | .262 | .060 |

# Applications

Repair Application - Nuclear Containment Structure

B-Series Application to Base Plate

Precast Application

Steam Generator Change Out - Nuclear Power Plant

Shear Wall Application

# T-Series Material & Equipment

| Rebar Size | T-Series Style | Splice Kit Part Number | Splice Kit Components (Included in kit) | | | | |
|---|---|---|---|---|---|---|---|
| | | | Sleeve | Filler Material Kit | Pouring Basin | Crucible | |
| #18 (57 mm) | VERTICAL | **RBT1891** | RBT1891A | RBT1891B | RBWS1482M | RBWS22777 | |
| #18 (57 mm) | HORIZONTAL | **RBT1891H** | RBT1891HA | RBT1891HB | RBWS1467M | RBWS22777 | |
| (50 mm) | VERTICAL | **RBT4558** | RBT4558A | RBT4558B | RBWS1482K | RBWS22777 | |
| (50 mm) | HORIZONTAL | **RBT4558H** | RBT4558HA | RBT4558HB | RBW1467K | RBWS22777 | |
| #14 (43 mm) | VERTICAL | **RBT14101** | RBT14101A | RBT14101B | RBWS1481J | RBWS22776 | |
| #14 (43 mm) | HORIZONTAL | **RBT14101H** | RBT14101HA | RBT14101HB | RBWS1467J | RBWS22776 | |
| (40 mm) | VERTICAL | **RBT4117** | RBT4117A | RBT4117B | RBW1481H | RBWS22776 | |
| (40 mm) | HORIZONTAL | **RBT4117H** | RBT4117HA | RBT4117HB | RBWS1467H | RBWS22776 | |
| #12 (38 mm) | VERTICAL | **RBT12917** | RBT12917A | RBT12917B | RBWS1481G | RBWS22776 | |
| #12 (38 mm) | HORIZONTAL | **RBT12917H** | RBT12917HA | RBT12917HB | RBWS1467G | RBWS22776 | |
| #11 (36 mm) | VERTICAL | **RBT11101** | RBT11101A | RBT11101B | RBWS1499F | RBWS22775 | |
| #11 (36 mm) | HORIZONTAL | **RBT11101H** | RBT11101HA | RBT11101HB | RBWS1467F | RBWS22775 | |
| #10 (32 mm) | VERTICAL | **RBT1091** | RBT1091A | RBT1091B | RBWS1500E | RBWS22775 | |
| #10 (32 mm) | HORIZONTAL | **RBT1091H** | RBT1091HA | RBT1091HB | RBWS1467E | RBWS22775 | |
| #9 (28 mm) | VERTICAL | **RBT9101** | RBT9101A | RBT9101B | RBWS1500D | RBWS22774 | |
| #9 (28 mm) | HORIZONTAL | **RBT9101H** | RBT9101HA | RBT9101HB | RBWS1467D | RBWS22774 | |
| #8 (25 mm) | VERTICAL | **RBT8101** | RBT8101A | RBT8101B | RBWS1500C | RBWS22774 | |
| #8 (25 mm) | HORIZONTAL | **RBT8101H** | RBT8101HA | RBT8101HB | RBWS1467C | RBWS22774 | |
| #7 (22 mm) | VERTICAL | **RBT7101** | RBT7101A | RBT7101B | RBWS1500A | RBWS22774 | |
| #7 (22 mm) | HORIZONTAL | **RBT7101H** | RBT7101HA | RBT7101HB | RBWS1467A | RBWS22774 | |
| #6 (20 mm) | VERTICAL | **RBT6101** | RBT6101A | RBT6101B | RBWS1500X | RBWS22774 | |
| #6 (20 mm) | HORIZONTAL | **RBT6101H** | RBT6101HA | RBT6101HB | RBWS1467X | RBWS22774 | |
| #5 (16 mm) | VERTICAL | **RBT5101** | RBT5101A | RBT5101B | RBWS1500U | RBWS22774 | |
| #5 (16 mm) | HORIZONTAL | **RBT5101H** | RBT5101HA | RBT5101HB | RBWS1467U | RBWS22774 | |
| #4 (12 mm) | VERTICAL | **RBT4101** | RBT4101A | RBT5101HB | RBWS1500U | RBWS22774 | |
| #4 (12 mm) | HORIZONTAL | **RBT4101H** | RBT4101HA | RBT5101HB | RBWS1467U | RBWS22774 | |

## T-Series Material & Equipment Chart
(For Same Size Bars)

This chart lists FULL TENSION CADWELD® Rebar Splices in the vertical and horizontal positions for GRADE 40, 60 and 75 rebar with deformation spacing of 0.75 (or less) times the ASTM® maximum allowable and deformation base width equal to 3 times ASTM minimum deformation height.

How to order splice kits:
*Quantity of splices needed, CADWELD Rebar, rebar size, series, horizontal or vertical.*

Example:
*20 kits, CADWELD Rebar, #8 (25 mm), T-Series, Vertical.*

Result:
*20 Kits, RBT8101.*

# T-Series Material & Equipment

| | Installation Equipment (reusable tools) - Tools not included in kit, tools are purchased separately | | | | | | |
|---|---|---|---|---|---|---|---|
| | Pouring Basin Frame | Crucible Frame Set | Crucible Extension | Crucible Cover | End Alignment Fitting (2 required) | Horizontal Packing Clamp | Bottom Support Clamp |
| | RBM2660 | RBW346767 | RBS36877 | RBS43837 | RBM2671100M | | RBM2960 |
| | RBW167 | RBW346767 | RBS36877 | RBS43837 | RBM2671100M | RBW117C | |
| | RBM2660 | RBW346767 | RBS36877 | RBS43836 | RBM267156K | | RBM2960 |
| | RBW167 | RBW346767 | RBS36877 | RBS43836 | RBM267156K | RBW117B | |
| | RBM2660 | RBW346766 | RBS36876 | RBS43837 | RBM2669125J | | RBM2960 |
| | RBW167 | RBW346766 | RBS36876 | RBS43837 | RBM2669125J | RBW117B | |
| | RBM2660 | RBW346766 | RBS36876 | RBS43836 | RBM2669100H | | RBM2960 |
| | RBW167 | RBW346766 | RBS36876 | RBS43836 | RBM2669100H | RBW117B | |
| | RBM2660 | RBW346766 | RBS36876 | RBS43836 | RBM266975G | | RBM2960 |
| | RBW167 | RBW346766 | RBS36876 | RBS43836 | RBM266975G | RBW117B | |
| | RBM2660 | RBW346545 | RBS36875 | RBS43835 | RBM266785F | | RBM2960 |
| | RBW167 | RBW346545 | RBS36875 | RBS43835 | RBM266785F | RBW117B | |
| | RBM2660 | RBW346545 | RBS36875 | RBS43835 | RBM275075E | | RBM2960 |
| | RBW167 | RBW346545 | RBS36875 | RBS43835 | RBM275075E | RBW117A | |
| | RBM2660 | RBW346544 | RBS36874 | RBS43835 | RBM2748100D | | RBM2960 |
| | RBW167 | RBW346544 | RBS36874 | RBS43835 | RBM2748100D | RBW117A | |
| | RBM2660 | RBW346544 | RBS36874 | RBS43835 | RBM2886112C | | RBM2960 |
| | RBW167 | RBW346544 | RBS36874 | RBS43835 | RBM2886112C | RBW117D | |
| | RBM2660 | RBW346544 | RBS36874 | RBS43835 | RBM2870100A | | RBM2960 |
| | RBW167 | RBW346544 | RBS36874 | RBS43835 | RBM2870100A | RBW117D | |
| | RBM2660 | RBW346544 | RBS36874 | RBS43835 | RBM2974125X | | RBM2960 |
| | RBW167 | RBW346544 | RBS36874 | RBS43835 | RBM2974125X | RBW117D | |
| | RBM2660 | RBW346544 | RBS36874 | RBS43835 | RBM2974100U | | RBM2960 |
| | RBW167 | RBW346544 | RBS36874 | RBS43835 | RBM2974100U | RBW117D | |
| | RBM2660 | RBW346544 | RBS36874 | RBS43835 | RBM2974100U | | RBM2960 |
| | RBW167 | RBW346544 | RBS36874 | RBS43835 | RBM2974100U | RBW117D | |

| Filler Material Kits - Included in Splice Kit | | | | | | |
|---|---|---|---|---|---|---|
| Filler Material Kit Part Number | Filler Material | Horizontal Packing (Quantity of two) | Vertical Top Packing | Vertical Bottom Packing | Pouring Basin Ceramic Guide Tube | Crucible Ceramic and Disk |
| **RBT1891B*** | RBF270 | | RBS35479 | RBS354720 | RBS5039 | RBS5037 |
| **RBT1891HB*** | RBF270 | RBS354720 | | | RBS5039 | RBS5037 |
| **RBT4558B*** | RBF240 | | RBS35477 | RBS354720 | RBS5039 | RBS5037 |
| **RBT4558HB*** | RBF240 | RBS354715 | | | RBS5039 | RBS5037 |
| **RBT14101B*** | RBF195 | | RBS35477 | RBS354715 | RBS5039 | RBS5037 |
| **RBT14101HB*** | RBF195 | RBS354715 | | | RBS5039 | RBS5037 |
| **RBT12917B*** | RBF150 | | RBS35479 | RBS354715 | RBS5039 | RBS5037 |
| **RBT12917HB*** | RBF150 | RBS354720 | | | RBS5039 | RBS5037 |
| **RBT11101B*** | RBF105 | | RBS35476 | RBS354712 | RBS5038 | RBS5037 |
| **RBT11101HB*** | RBF105 | RBS354712 | | | RBS5038 | RBS5037 |
| **RBT1091B*** | RBF90 | | RBS35476 | RBS354712 | RBS5038 | RBS5037 |
| **RBT1091HB*** | RBF90 | RBS354712 | | | RBS5038 | RBS5037 |
| **RBT9101B*** | RBF80 | | RBS35475.5 | RBS354711 | RBS5038 | RBS5037 |
| **RBT9101HB*** | RBF80 | RBS354711 | | | RBS5038 | RBS5037 |
| **RBT8101B*** | RBF55 | | RBS35475.5 | RBS354710 | RBS5038 | RBS5037 |
| **RBT8101HB*** | RBF55 | RBS354710 | | | RBS5038 | RBS5037 |
| **RBT7101B*** | RBF50 | | RBS3544 | RBS35478 | RBS5038 | RBS5037 |
| **RBT7101HB*** | RBF50 | RBS35478 | | | RBS5038 | RBS5037 |
| **RBT6101B*** | RBF50 | | RBS3543.5 | RBS35477 | RBS5038 | RBS5037 |
| **RBT6101HB*** | RBF50 | RBS35477 | | | RBS5038 | RBS5037 |
| **RBT5101B*** | RBF40 | | RBS35475.5 | RBS354710 | RBS5038 | RBS5037 |
| **RBT5101HB*** | RBF40 | RBS354710 | | | RBS5038 | RBS5037 |

*Includes all expendable components required to make an individual splice. Components contained in chart.

# T-Series (Transition) Material & Equipment

| Rebar Size | T-Series Transition Style | Splice Kit Part Number | Splice Kit Components (Included in kit) | | | | |
|---|---|---|---|---|---|---|---|
| | | | Sleeve | Filler Material Kit | Pouring Basin | Crucible | |
| #14 (43 mm) to #18 (57 mm) | VERTICAL | **RBT1418101** | RBT1418101A | RBT1418101B | RBWS1481K | RBWS22776 | |
| #14 (43 mm) to #18 (57 mm) | HORIZONTAL | **RBT1418101H** | RBT1418101HA | RBT1418101HB | RBWS1467K | RBWS22776 | |
| #11 (36 mm) to #18 (57 mm) | VERTICAL | **RBT1118101** | RBT1418101A | RBT1118101B | RBWS1481K | RBWS22777 | |
| #11 (36 mm) to #18 (57 mm) | HORIZONTAL | **RBT1118101H** | RBT1418101HA | RBT1118101HB | RBWS1467K | RBWS22777 | |
| #11 (36 mm) to #14 (43 mm) | VERTICAL | **RBT1114101** | RBT1114101A | RBT1114101B | RBWS1499G | RBWS22776 | |
| #11 (36 mm) to #14 (43 mm) | HORIZONTAL | **RBT1114101H** | RBT1114101HA | RBT1114101HB | RBWS1467G | RBWS22776 | |
| #10 (32 mm) to #11 (36 mm) | VERTICAL | **RBT1011101** | RBT11101A | RBT1011101B | RBWS1499F | RBWS22776 | |
| #10 (32 mm) to #11 (36 mm) | HORIZONTAL | **RBT1011101H** | RBT11101HA | RBT1011101HB | RBWS1467F | RBWS22776 | |
| #9 (28 mm) to #10 (32 mm) | VERTICAL | **RBT910101** | RBT10101A | RBT910101B | RBWS1500E | RBWS22775 | |
| #9 (28 mm) to #10 (32 mm) | HORIZONTAL | **RBT910101H** | RBT10101HA | RBT910101HB | RBWS1467E | RBWS22775 | |
| #8 (25 mm) to #9 (28 mm) | VERTICAL | **RBT89101** | RBT9101A | RBT89101B | RBWS1500D | RBWS22775 | |
| #8 (25 mm) to #9 (28 mm) | HORIZONTAL | **RBT89101H** | RBT9101HA | RBT89101HB | RBWS1467D | RBWS22775 | |
| #7 (22 mm) to #8 (25 mm) | VERTICAL | **RBT78101** | RBT8101A | RBT78101B | RBWS1500C | RBWS22774 | |
| #7 (22 mm) to #8 (25 mm) | HORIZONTAL | **RBT78101H** | RBT8101HA | RBT78101HB | RBWS1467C | RBWS22774 | |
| #6 (20 mm) to #7 (22 mm) | VERTICAL | **RBT67101** | RBT7101A | RBT67101B | RBWS1500A | RBWS22774 | |
| #6 (20 mm) to #7 (22 mm) | HORIZONTAL | **RBT67101H** | RBT7101HA | RBT67101HB | RBWS1467A | RBWS22774 | |

## T-Series Material & Equipment Chart
(For Transition Splices)

This chart lists FULL TENSION TRANSITION CADWELD® Rebar Splices in the vertical and horizontal positions for GRADE 40, 60 and 75 rebar with deformation spacing of 0.75 (or less) times the ASTM® maximum allowable and deformation base width equal to 3 times ASTM minimum deformation height.

How to order transition splice kits:
*Quantity of splices needed, CADWELD Rebar, smaller rebar size to larger rebar size, series, horizontal or vertical.*

Example:
*15 kits, CADWELD Rebar, #9 (28 mm) to #10 (32 mm), T-Series, Horizontal.*

Result:
*15 Kits, RBT910101H.*

# T-Series (Transition) Material & Equipment

| | Installation Equipment (reusable tools) - Tools not included in kit, tools are purchased separately | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Pouring Basin Frame | Crucible Frame Set | Crucible Extension | Crucible Cover | End Alignment Fitting (Small Bar) | End Alignment Fitting (Large Bar) | Horizontal Packing Clamp | Bottom Support Clamp |
| | RBM2660 | RBW346766 | RBS36876 | RBS43837 | RBM267885K | RBM267150K | | RBM2960 |
| | RBW167 | RBW346766 | RBS36876 | RBS43837 | RBM267885K | RBM267150K | RBW117C | |
| | RBM2660 | RBW346767 | RBS36877 | RBS43837 | RBM2759K | RBM267150K | | RBM2960 |
| | RBW167 | RBW346767 | RBS36877 | RBS43837 | RBM2759K | RBM267150K | RBW117C | |
| | RBM2660 | RBW346766 | RBS36876 | RBS43837 | RBM2687126G | RBM266975G | | RBM2960 |
| | RBW167 | RBW346766 | RBS36876 | RBS43837 | RBM2687126G | RBM266975G | RBW117B | |
| | RBM2660 | RBW346766 | RBS36876 | RBS43837 | RBM2750125F | RBM266785F | | RBM2960 |
| | RBW167 | RBW346766 | RBS36876 | RBS43837 | RBM2750125F | RBM266785F | RBW117B | |
| | RBM2660 | RBW346545 | RBS36875 | RBS43835 | RBM2767100E | RBM275075E | | RBM2960 |
| | RBW167 | RBW346545 | RBS36875 | RBS43835 | RBM2767100E | RBM275075E | RBW117A | |
| | RBM2660 | RBW346545 | RBS36875 | RBS43835 | RBM2886150D | RBM2748100D | | RBM2960 |
| | RBW167 | RBW346545 | RBS36875 | RBS43835 | RBM2886150D | RBM2748100D | RBW117A | |
| | RBM2660 | RBW346544 | RBS36874 | RBS43835 | RBM2870112C | RBM2886112C | | RBM2960 |
| | RBW167 | RBW346544 | RBS36874 | RBS43835 | RBM2870112C | RBM2886112C | RBW117D | |
| | RBM2660 | RBW346544 | RBS36874 | RBS43835 | RBM2870100A | RBM2870100A | | RBM2960 |
| | RBW167 | RBW346544 | RBS36874 | RBS43835 | RBM2870100A | RBM2870100A | RBW117D | |

| Filler Material Kits - Included in Splice Kit | | | | | | |
|---|---|---|---|---|---|---|
| Filler Material Kit Part Number | Filler Material | Horizontal Packing (Quantity of two) | Vertical Top Packing | Vertical Bottom Packing | Pouring Basin Ceramic Guide Tube | Crucible Ceramic and Disk |
| **RBT1418101B*** | F195 | | RBS35477 | RBS354720 | RBS5039 | RBS5037 |
| **RBT1418101HB*** | F195 | RBS354720 | | | RBS5039 | RBS5037 |
| **RBT1118101B*** | F240 | | RBS354712 | RBS354720 | RBS5039 | RBS5037 |
| **RBT1118101HB*** | F240 | RBS354720 | | | RBS5039 | RBS5037 |
| **RBT1114101B*** | F125 | | RBS35476 | RBS354715 | RBS5039 | RBS5037 |
| **RBT1114101HB*** | F125 | RBS354715 | | | RBS5039 | RBS5037 |
| **RBT1011101B**** | F125 | | RBS35476 | RBS354712 | RBS5038 | RBS5037 |
| **RBT1011101HB** | F125 | RBS354712 | | | RBS5038 | RBS5037 |
| **RBT910101B*** | F105 | | RBS35475.5 | RBS354712 | RBS5038 | RBS5037 |
| **RBT910101HB*** | F105 | RBS354712 | | | RBS5038 | RBS5037 |
| **RBT89101B*** | F90 | | RBS35475.5 | RBS354711 | RBS5038 | RBS5037 |
| **RBT89101HB*** | F90 | RBS354711 | | | RBS5038 | RBS5037 |
| **RBT78101B*** | F70 | | RBS35475.5 | RBS354710 | RBS5038 | RBS5037 |
| **RBT78101HB*** | F70 | RBS354710 | | | RBS5038 | RBS5037 |
| **RBT67101B*** | F55 | | RBS35475.5 | RBS35478 | RBS5038 | RBS5037 |
| **RBT67101HB*** | F55 | RBS35478 | | | RBS5038 | RBS5037 |

*Includes all expendable components required to make an individual splice. Components contained in chart.

# B-Series Material & Equipment

| Rebar Size | T-Series Style | Splice Kit Part Number | Splice Kit Components (Included in kit) | | | | |
|---|---|---|---|---|---|---|---|
| | | | Sleeve | Filler Material Kit | Pouring Basin | Crucible | |
| #18 (57 mm) | VERTICAL | **RBB1892** | RBB1892JA | RBB1892B | RBWS1482M | RBWS22777 | |
| #14 (43 mm) | VERTICAL | **RBB14101** | RBB14101JA | RBB14101B | RBWS1481J | RBWS22776 | |
| #11 (36 mm) | VERTICAL | **RBB11101** | RBB11101JA | RBB11101B | RBWS1499F | RBWS22775 | |
| #10 (32 mm) | VERTICAL | **RBB1092** | RBB1092JA | RBB1092B | RBWS1500E | RBWS22775 | |
| #9 (28 mm) | VERTICAL | **RBB992** | RBB992JA | RBB992B | RBWS1500D | RBWS22774 | |
| #8 (25 mm) | VERTICAL | **RBB8101** | RBB8101JA | RBB8101B | RBWS1500C | RBWS22774 | |
| #7 (22 mm) | VERTICAL | **RBB792** | RBB792JA | RBB792B | RBWS1500A | RBWS22774 | |
| #6 (20 mm) | VERTICAL | **RBB692** | RBB692JA | RBB692B | RBWS1500X | RBWS22774 | |
| #5 (16 mm) | VERTICAL | **RBB592** | RBB592JA | RBB592B | RBWS1500U | RBWS22774 | |
| #4 (12 mm) | VERTICAL | **RBB492** | RBB592JA | RBB592B | RBWS1500U | RBWS22774 | |

## CADWELD® B-Series Splice Connections of Rebar to Structural Steel

B-Series Splices (Bar to Structural Steel)
Splice Strength = ASTM® Specified Minimum Tensile Strength

The CADWELD B-Series structure splice provides a mechanical means of connecting GRADE 40, 60 and 75 reinforcing bar to structural steel, plates and shapes. This splice series exceeds the ACI®-318 Building Code requirements.

How to order splice kits:
*Quantity of splices needed, CADWELD Rebar, rebar size, series, horizontal or vertical.*

Example:
*25 kits, CADWELD Rebar, #10 (32 mm)), B-Series, Vertical.*

Result:
*25 Kits, RBB1092.*

# B-Series Material & Equipment

| | Installation Equipment (reusable tools) - Tools not included in kit, tools are purchased separately | | | | | |
|---|---|---|---|---|---|---|
| | Pouring Basin Frame | Crucible Frame Set | Crucible Extension | Crucible Cover | End Alignment Fitting (2 required) | Bottom Support Clamp |
| | RBM2660 | RBW346767 | RBS36877 | RBS43837 | RBM2671100M | RBM2960 |
| | RBM2660 | RBW346766 | RBS36876 | RBS43837 | RBM2669125J | RBM2960 |
| | RBM2660 | RBW346545 | RBS36875 | RBS43835 | RBM266785F | RBM2960 |
| | RBM2660 | RBW346545 | RBS36875 | RBS43835 | RBM275075E | RBM2960 |
| | RBM2660 | RBW346544 | RBS36874 | RBS43835 | RBM2748100D | RBM2960 |
| | RBM2660 | RBW346544 | RBS36874 | RBS43835 | RBM2886112C | RBM2960 |
| | RBM2660 | RBW346544 | RBS36874 | RBS43835 | RBM2870100A | RBM2960 |
| | RBM2660 | RBW346544 | RBS36874 | RBS43835 | RBM2974125X | RBM2960 |
| | RBM2660 | RBW346544 | RBS36874 | RBS43835 | RBM2974100U | RBM2960 |
| | RBM2660 | RBW346544 | RBS36874 | RBS43835 | RBM2974100U | RBM2960 |

| Filler Material Kits - Included in Splice Kit | | | | |
|---|---|---|---|---|
| Filler Material Kit Part Number | Filler Material | Vertical Packing | Pouring Basin Ceramic Guide Tube | Crucible Ceramic and Disk |
| **RBB1892B*** | F220 | RBS35420 | RBS5039 | RBS5037 |
| **RBB14101B*** | F180 | RBS354715 | RBS5039 | RBS5037 |
| **RBB11101B*** | F105 | RBS354712 | RBS5038 | RBS5037 |
| **RBB1092B*** | F90 | RBS354712 | RBS5038 | RBS5037 |
| **RBB992B*** | F80 | RBS354711 | RBS5038 | RBS5037 |
| **RBB8101B*** | F55 | RBS354710 | RBS5038 | RBS5037 |
| **RBB792B*** | F50 | RBS35478 | RBS5038 | RBS5037 |
| **RBB692B*** | F40 | RBS35477 | RBS5038 | RBS5037 |
| **RBB592B*** | F40 | RBS35477 | RBS5038 | RBS5037 |

*Includes all expendable components required to make an individual splice. Components contained in chart.

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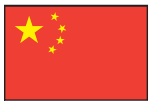

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