

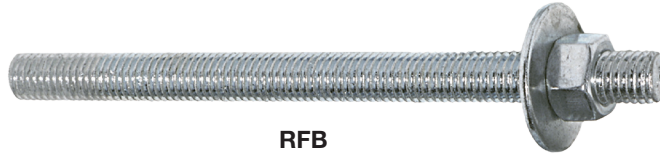
Adhesive Accessories

Retrofit Bolts

RFBs are pre-cut threaded rod, supplied with nut and washer. Each end of the threaded rod is stamped with the rod length in inches and our No-Equal® symbol for easy identification after installation.

Material: ASTM F1554 Grade 36

Coating: Zinc-plated, hot-dip galvanized



RFB
Retrofit Bolts

| Size. (in.) | Zinc-Plated Model No. | Hot-Dip Galvanized Model No. | Carton Quantity | Hot-Dip Galvanized Retail Model No.* | Package Quantity | Carton Quantity |
|----------------|--------------------------|---------------------------------|--------------------|---|---------------------|--------------------|
| ½ x 4 | RFB#4x4 | — | 50 | — | — | — |
| ½ x 5 | RFB#4x5 | RFB#4x5HDG | 50 | RFB#4X5HDGP2 | 2 | 5 packs of 2 |
| ½ x 6 | RFB#4x6 | RFB#4x6HDG | 50 | — | — | — |
| ½ x 7 | RFB#4x7 | RFB#4x7HDG | 50 | — | — | — |
| ½ x 8 | — | RFB#4X8HDG | — | RFB#4X8HDGP2 | 2 | 5 packs of 2 |
| ½ x 10 | RFB#4x10 | RFB#4x10HDG | 25 | — | — | — |
| ⅝ x 5 | RFB#5x5 | RFB#5x5HDG | 50 | RFB#5X5HDGP2 | 2 | 5 packs of 2 |
| ⅝ x 8 | RFB#5x8 | RFB#5x8HDG | 50 | RFB#5X8HDGP2 | 2 | 5 packs of 2 |
| ⅝ x 10 | RFB#5x10 | RFB#5x10HDG | 50 | — | — | — |
| ⅝ x 12 | — | RFB#5X12HDG | — | RFB#5X12HDGP2 | 2 | 5 packs of 2 |
| ⅝ x 16 | RFB#5x16 | RFB#5x16HDG | 25 | RFB#5X16HDGP2 | 2 | 5 packs of 2 |
| ¾ x 10½ | RFB#6x10.5 | RFB#6x10.5HDG | 25 | — | — | — |

* Retail products packaged in a polybag.

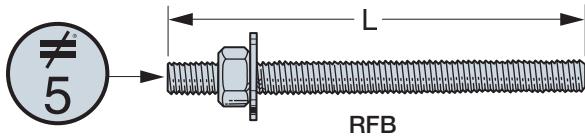
RFB

Retrofit Bolt

The RFB retrofit bolt is a clean, oil-free, pre-cut threaded rod, supplied with nut and washer. It offers a complete engineered anchoring system when used with Simpson Strong-Tie® adhesive. Inspection is easy; the head is stamped with rod length and “No Equal” symbol for identification after installation.

Material: ASTM F1554 Grade 36

Finish: Zinc plated (unless otherwise noted), available in HDG (per ASTM A153)



For more information on corrosion protection, see p. 14.

| Size (in.) | Zinc-Plated Model No. | Hot-Dip Galvanized Model No. |
|--------------|-----------------------|------------------------------|
| 1/2 x 4 | RFB#4X4 | — |
| 1/2 x 5 | RFB#4X5 | RFB#4X5HDG |
| 1/2 x 6 | RFB#4X6 | RFB#4X6HDG |
| 1/2 x 7 | RFB#4X7 | RFB#4X7HDG |
| 1/2 x 8 | — | RFB#4X8HDG |
| 1/2 x 10 | RFB#4X10 | RFB#4X10HDG |
| 5/8 x 5 | RFB#5X5 | RFB#5X5HDG |
| 5/8 x 8 | RFB#5X8 | RFB#5X8HDG |
| 5/8 x 10 | RFB#5X10 | RFB#5X10HDG |
| 5/8 x 12 | — | RFB#5X12HDG |
| 5/8 x 16 | RFB#5X16 | RFB#5X16HDG |
| 3/4 x 10 1/2 | RFB#6X10.5 | RFB#6X10.5HDG |

1. Washer and nut provided on all RFBs.

CNW/HSCNW

Coupler Nuts

Simpson Strong-Tie coupler nuts are a tested and load-rated method to join threaded rod and anchor bolts. The Witness® Holes in each nut provides a means to verify when rods are properly installed. The positive stop feature helps ensure even threading into each end of the nut. The CNW exceeds the specified minimum tensile capacity of corresponding ASTM A36 bolts and threaded rod. The HSCNW exceeds the specified minimum tensile capacity of corresponding ASTM A449 bolts and threaded rod. Contact Simpson Strong-Tie for other coupler nut sizes.

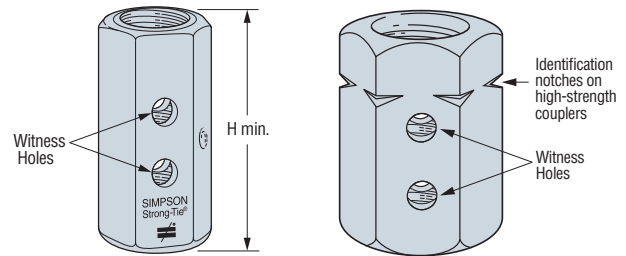
Finish: Zinc plated

Installation:

- Tighten the two rods until each all-thread rod is visible in the Witness Hole. Any portion of thread visible in the Witness Hole is a correct installation.
- Standard CNW for use with non-hot-dip galvanized all-thread rod only.
- 5/8"- and 7/8"-diameter couplers available with oversized threads for installation to hot-dip galvanized bolts (order CNW5/8-5/8-OST and CNW7/8-7/8-OST).
- OST couplers are typically oversized on one end of the coupler nut only and will be marked with an “O” on oversized side.
Couplers may be special ordered with both ends oversized. Contact Simpson Strong-Tie to order.

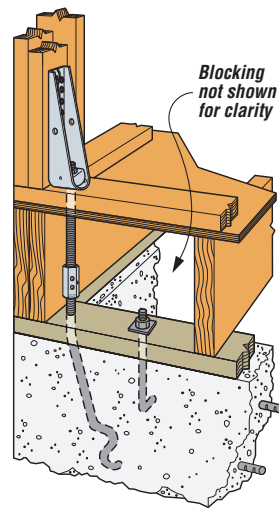
Codes: See p. 11 for Code Reference Key Chart

| Model No. | Rod Diameter (in.) | H Min. (in.) | Allowable Tension Load | Code Ref. |
|---------------------|--------------------|--------------|------------------------|-----------|
| | | | (100) | |
| CNW1/2 | 1/2 | 1 1/4 | 4,265 | IBC, FL |
| CNW5/8 | 5/8 | 1 1/2 | 6,675 | |
| CNW3/4 | 3/4 | 1 3/4 | 9,610 | |
| CNW7/8 | 7/8 | 2 | 13,080 | |
| CNW1 | 1 | 2 1/4 | 17,080 | — |
| CNW1-1/4 | 1 1/8 | 2 3/4 | 26,690 | |
| HSCNW3/4 | 3/4 | 1 3/4 | 19,880 | — |
| HSCNW1 | 1 | 2 1/4 | 35,345 | |
| Transition Couplers | | | | |
| CNW5/8-1/2 | 5/8 to 1/2 | 1 3/8 | 4,265 | IBC, FL |
| CNW3/4-5/8 | 3/4 to 5/8 | 1 5/8 | 6,675 | |
| CNW7/8-5/8 | 7/8 to 5/8 | 1 3/4 | 6,675 | — |
| CNW1-7/8 | 1 to 7/8 | 2 1/8 | 13,080 | |

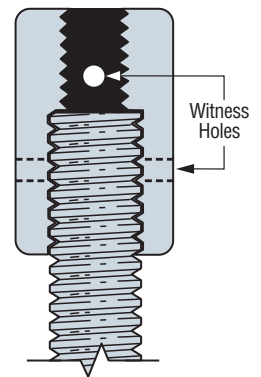


CNW
Allows Fast Visual Check for Correct All Thread Rod Installation

HSCNW
High-Strength Coupler Nut



Typical CNW
Rim Board Installation



CNW
Transition Coupler Nut

1. Allowable loads shown are based on AISC 360 for A36 and A449 (HS) threaded rods.