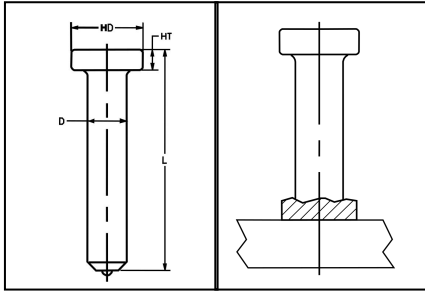




TRU-FIT PRODUCTS • TRU-WELD

QUALITY WELD STUDS, STUD WELDING EQUIPMENT AND FASTENERS SINCE 1928

Atlanta • Calgary • Chicago • Dallas • Denver • Houston • Kansas City • Las Vegas • Medina • New York City • Salt Lake City • Smithville • Toronto • Vancouver



SHEAR CONNECTOR – FULL WELD BASE

TYPE **SC** STUD
TYPE F FERRULE SUPPLIED

Head Diameter (HD) – 1-3/8" for all 7/8" Shear Connectors.
Head Height (HT) – 3/8" for all 7/8" Shear Connectors.

| WELD STUD SPECIFICATIONS | | | WELD STUD PACKAGING | | | WELD STUD WEIGHTS | | |
|--------------------------|-------------|-------------------------|----------------------|------------------------|-------------------------|-------------------|------------------|--------------------------|
| D Diameter | L Length | TRU-WELD Part Number | Pieces Per Box | Boxes Per Pallet | Pieces Per Pallet | Box Weight | Pallet Weight | 1,000 Piece Weight |
| 7/8 | 3-3/16 | SC14-051-11 | 100 | 27 | 2,700 | 66 lbs. | 1,782 lbs. | 631 lbs. |
| 7/8 | 3-11/16 | SC14-059-11 | 100 | 27 | 2,700 | 74 lbs. | 1,998 lbs. | 709 lbs. |
| 7/8 | 4-3/16 | SC14-067-11 | 75 | 27 | 2,025 | 60 lbs. | 1,620 lbs. | 796 lbs. |
| 7/8 | 5-3/16 | SC14-083-11 | 60 | 27 | 1,620 | 60 lbs. | 1,620 lbs. | 962 lbs. |
| 7/8 | 6-3/16 | SC14-099-11 | 50 | 27 | 1,350 | 58 lbs. | 1,566 lbs. | 1,137 lbs. |
| 7/8 | 7-3/16 | SC14-115-11 | 45 | 27 | 1,215 | 59 lbs. | 1,593 lbs. | 1,306 lbs. |
| 7/8 | 8-3/16 | SC14-131-11 | 40 | 27 | 1,080 | 59 lbs. | 1,593 lbs. | 1,496 lbs. |
| 7/8 | 9-3/16 | SC14-147-11 | 1,400 | 1 | 1,400 | 2,334 lbs. | 2,334 lbs. | 1,667 lbs. |
| 7/8 | 10-3/16 | SC14-163-11 | 1,000 | 1 | 1,000 | 1,800 lbs. | 1,800 lbs. | 1,800 lbs. |
| 7/8 | 12-3/16 | SC14-195-11 | 800 | 1 | 800 | 1,702 lbs. | 1,702 lbs. | 2,173 lbs. |

Shear Connectors are used in all types of concrete connections. They can be welded to a flat surface, or to the inside or outside of an angle.

Length: Length is listed before weld. Stud diameters 7/8" will be approx. 3/16" shorter after weld.

TRU-WELD shear connectors can be made in any length above the standard minimum.

Material: Low carbon steel, (ASTM A108 / A29, AASHTO M169) 1010-1020. SC Studs are also available in weldable stainless steel. Type 302 is the most commonly used.

Tru-Weld shear connectors are manufactured to conform to: AWS D1.1, AWS D1.5, AWS D1.6, AASHTO, ISO-13918, CSA W59-2013.

See Also: ICC-ES Evaluation Report ESR-2577

Mechanical Property Requirements

| | Type B |
|---------------------------|-----------------|
| Tensile Strength | 65,000 psi min. |
| Yield Strength | 51,000 psi min. |
| Elongation (% in 2 in.) | 20% min. |
| Elongation (% in 5x d ia) | 15% min. |
| Reduction of Area | 50% min. |

| CHUCK PART # | FOOT PART # | GRIP PART # | FERRULE FOOT PLATE (DUAL LEG) |
|-----------------|----------------|----------------|----------------------------------|
| CH-087 | B-3C | GC-087 | QN-087 |

Type B Studs are headed, bent, or of other configuration that are used as an essential component in composite beam design and construction.