



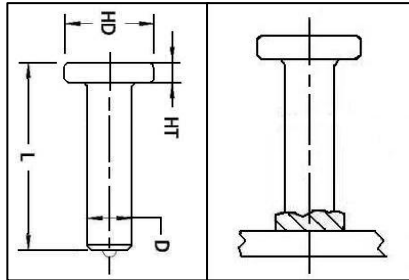
TRU-WELD Stud Welding

SHEAR CONNECTOR – FULL WELD BASE

(3/4" THRU DECK SHEAR CONNECTORS ON NEXT PAGE)

TYPE **SC** STUD

TYPE F FERRULE SUPPLIED



Head Diameter (HD) – 1-1/4" for all 3/4 headed Shear Connectors.
Head Height (HT) – 3/8" for all 3/4 headed Shear Connectors.

| 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 |
|---------------|-------------|-------------------------|----------------------|------------------------|-------------------------|---------------|------------------|--------------------------|
| 3/4 | 3-3/16 | SC12-051-11 | 125 | 48 | 6,000 | 60 lbs. | 2,880 lbs. | 478 lbs. |
| 3/4 | 3-11/16 | SC12-059-11 | 100 | 48 | 4,800 | 55 lbs. | 2,640 lbs. | 548 lbs. |
| 3/4 | 4-3/16 | SC12-067-11 | 100 | 48 | 4,800 | 63 lbs. | 3,024 lbs. | 600 lbs. |
| 3/4 | 4-11/16 | SC12-075-11 | 75 | 27 | 2,025 | 51 lbs. | 1,377 lbs. | 672 lbs. |
| 3/4 | 5-3/16 | SC12-083-11 | 60 | 48 | 2,880 | 43 lbs. | 2,064 lbs. | 735 lbs. |
| 3/4 | 5-11/16 | SC12-091-11 | 60 | 48 | 2,880 | 47 lbs. | 2,256 lbs. | 783 lbs. |
| 3/4 | 6-3/16 | SC12-099-11 | 60 | 48 | 2,880 | 51 lbs. | 2,448 lbs. | 852 lbs. |
| 3/4 | 6-11/16 | SC12-107-11 | 80 | 27 | 2,160 | 75 lbs. | 2,025 lbs. | 938 lbs. |
| 3/4 | 7-3/16 | SC12-115-11 | 60 | 27 | 1,620 | 59 lbs. | 1,593 lbs. | 968 lbs. |
| 3/4 | 8-3/16 | SC12-131-11 | 50 | 27 | 1,350 | 56 lbs. | 1,512 lbs. | 1,105 lbs. |
| 3/4 | 9-3/16 | SC12-147-11 | 100 | 9 | 900 | 123 lbs. | 1,107 lbs. | 1,222 lbs. |
| 3/4 | 10-3/16 | SC12-163-11 | 100 | 9 | 900 | 137 lbs. | 1,233 lbs. | 1,339 lbs. |
| 3/4 | 12-3/16 | SC12-195-11 | 1,100 | 1 | 1,100 | 1,760 lbs. | 1,760 lbs. | 1,599 lbs. |
| 3/4 | 16-3/16 | SC12-259-11 | 1,000 | 1 | 1,000 | 2,000 lbs. | 2,000 lbs. | 2,000 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 3/4" will be approx. 1/8 shorter after weld.

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

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

| CHUCK PART # | FOOT PART # | GRIP PART # | FERRULE FOOT PLATE (DUAL LEG) |
|-----------------|----------------|----------------|----------------------------------|
| CH-075 | B-2C | GC-075 | QN-075 |

Mechanical Property Requirements

| | Type A | Type B |
|------------------------------|--------------------|--------------------|
| Tensile Strength | 61,000 psi min. | 65,000 psi min. |
| Yield Strength | 49,000 psi min. | 51,000 psi min. |
| Elongation (% in 2 in.) | 17% min. | 20% min. |
| Elongation (% in 5x dia.) | 14% min. | 15% min. |
| Reduction of Area | 50% min. | 50% min. |

Type A Studs are general purpose studs.

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

TFP Corporation/TRU-WELD
460 Lake Road
Medina, Ohio 44256

(330) 725-7741
(330) 725-0161 Fax
Sales@tfpcorp.com

<http://www.tfpcorp.com>
<http://www.truweldstudwelding.com>
<http://www.weldstud.com>

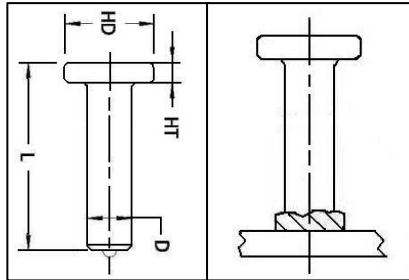


TRU-WELD Stud Welding

THRU-DECK SHEAR CONNECTOR

TYPE **DSC** STUD

TYPE F FERRULE SUPPLIED



Head Diameter (HD) – 1-1/4" for all 3/4" Thru-Deck Shear Connectors.
 Head Height (HT) – 3/8" for all 3/4" Thru-Deck 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 |
| 3/4 | 3-3/8 | DSC12-054-11 | 125 | 48 | 6,000 | 62 lbs. | 2,976 lbs. | 500 lbs. |
| 3/4 | 3-7/8 | DSC12-062-11 | 100 | 48 | 4,800 | 58 lbs. | 2,784 lbs. | 567 lbs. |
| 3/4 | 4-3/8 | DSC12-070-11 | 100 | 48 | 4,800 | 62 lbs. | 2,976 lbs. | 634 lbs. |
| 3/4 | 4-7/8 | DSC12-078-11 | 75 | 48 | 3,600 | 51 lbs. | 2,448 lbs. | 701 lbs. |
| 3/4 | 5-3/8 | DSC12-086-11 | 60 | 48 | 2,880 | 45 lbs. | 2,160 lbs. | 754 lbs. |
| 3/4 | 5-7/8 | DSC12-094-11 | 60 | 48 | 2,880 | 49 lbs. | 2,352 lbs. | 810 lbs. |
| 3/4 | 6-3/8 | DSC12-102-11 | 60 | 48 | 2,880 | 53 lbs. | 2,544 lbs. | 883 lbs. |

Thru-Deck 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 3/4" will be approx. 3/16" shorter after weld.

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

Material: Low carbon steel, ASTM A29, 1010-1020. DSC Studs are also available in weldable stainless steel. Type 302 is the most commonly used.

| CHUCK PART # | THRU-DECK FOOT ASSEMBLY | THRU-DECK FERRULE GRIP |
|-----------------|----------------------------|---------------------------|
| CH-075 | B-0021-1A | B-0060-1 |
| | B-0021-1P | |

Mechanical Property Requirements

| | Type A | Type B |
|---------------------------|--------------------|--------------------|
| Tensile Strength | 61,000 psi min. | 65,000 psi min. |
| Yield Strength | 49,000 psi min. | 51,000 psi min. |
| Elongation (% in 2 in.) | 17% min. | 20% min. |
| Elongation (% in 5x dia.) | 14% min. | 15% min. |
| Reduction of Area | 50% min. | 50% min. |

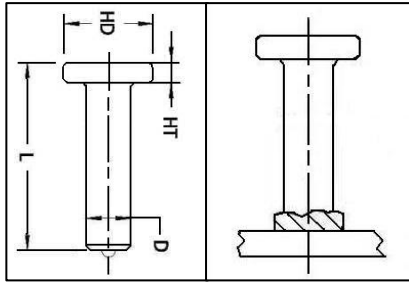
Type A Studs are general purpose studs.

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



TRU-WELD Stud Welding

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. | 660 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 | 100 | 27 | 2,700 | 80 lbs. | 2,160 lbs. | 796 lbs. |
| 7/8 | 5-3/16 | SC14-083-11 | 75 | 27 | 2,025 | 73 lbs. | 1,971 lbs. | 961 lbs. |
| 7/8 | 6-3/16 | SC14-099-11 | 50 | 27 | 1,350 | 57 lbs. | 1,539 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 | 75 | 9 | 675 | 125 lbs. | 1,125 lbs. | 1,666 lbs. |
| 7/8 | 10-3/16 | SC14-163-11 | 75 | 9 | 675 | 135 lbs. | 1,215 lbs. | 1,836 lbs. |
| 7/8 | 12-3/16 | SC14-195-11 | 825 | 1 | 825 | 1,793 lbs. | 1,793 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 A29, 1010-1020. SC Studs are also available in weldable stainless steel. Type 302 is the most commonly used.

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

Mechanical Property Requirements

| | Type A | Type B |
|------------------------------|--------------------|--------------------|
| Tensile Strength | 61,000 psi min. | 65,000 psi min. |
| Yield Strength | 49,000 psi min. | 51,000 psi min. |
| Elongation (% in 2 in.) | 17% min. | 20% min. |
| Elongation (% in 5x dia.) | 14% min. | 15% min. |
| Reduction of Area | 50% min. | 50% min. |

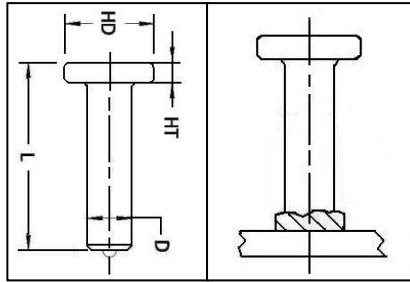
Type A Studs are general purpose studs.

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



TRU-WELD Stud Welding

SHEAR CONNECTOR – FULL WELD BASE



TYPE **SC** STUD
TYPE F FERRULE SUPPLIED

Head Diameter (HD) – 1-5/8" for all 1" Shear Connectors.
Head Height (HT) – 1/2" for all 1" 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 |
| 1" | 3-1/4 | SC16-052-11 | 75 | 27 | 2,025 | 70 lbs. | 1,890 lbs. | 894 lbs. |
| 1" | 4-1/4 | SC16-068-11 | 50 | 27 | 1,350 | 57 lbs. | 1,539 lbs. | 1,079 lbs. |
| 1" | 5-1/4 | SC16-084-11 | 50 | 27 | 1,350 | 70 lbs. | 1,890 lbs. | 1,302 lbs. |
| 1" | 6-1/4 | SC16-100-11 | 40 | 27 | 1,080 | 63 lbs. | 1,701 lbs. | 1,514 lbs. |
| 1" | 7-1/4 | SC16-116-11 | 85 | 9 | 765 | 154 lbs. | 1,386 lbs. | 1,737 lbs. |
| 1" | 8-1/4 | SC16-132-11 | 85 | 9 | 765 | 173 lbs. | 1,557 lbs. | 1,978 lbs. |
| 1" | 9-1/4 | SC16-148-11 | 80 | 9 | 720 | 180 lbs. | 1,620 lbs. | 2,193 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 1" will be approx. 1/4" shorter after weld.

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

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

| CHUCK PART # | FOOT PART # | GRIP PART # | FERRULE FOOT PLATE (DUAL LEG) |
|-----------------|----------------|----------------|----------------------------------|
| CH-100 | B-3C | GC-100 | QN-100 |

Mechanical Property Requirements

| | Type A | Type B |
|---------------------------|--------------------|--------------------|
| Tensile Strength | 61,000 psi min. | 65,000 psi min. |
| Yield Strength | 49,000 psi min. | 51,000 psi min. |
| Elongation (% in 2 in.) | 17% min. | 20% min. |
| Elongation (% in 5x dia.) | 14% min. | 15% min. |
| Reduction of Area | 50% min. | 50% min. |

Type A Studs are general purpose studs.

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