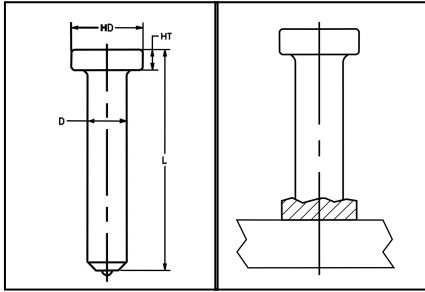




# TRU-FIT PRODUCTS • TRU-WELD

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) – 1-5/8" 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	SC16-052-12	75	27	2,025	70 lbs.	1,809 lbs.	894 lbs.
1"	4-1/4	SC16-068-12	50	27	1,350	57 lbs.	1,539 lbs.	1,140 lbs.
1"	5-1/4	SC16-084-12	50	27	1,350	67 lbs.	1,809 lbs.	1,340 lbs.
1"	6-1/4	SC16-100-12	40	27	1,080	63 lbs.	1,701 lbs.	1,575 lbs.
1"	7-1/4	SC16-116-12	40	27	1,080	72 lbs.	1,944 lbs.	1,800 lbs.
1"	8-1/4	SC16-132-12	85	9	765	171 lbs.	1,539 lbs.	2,012 lbs.
1"	9-1/4	SC16-148-12	50	9	450	112 lbs.	1,008 lbs.	2,240 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 / A108, 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 B
Tensile Strength	65,000 psi min.
Yield Strength	51,000 psi min.
Elongation (% in 2 in.)	20% min.
Elongation (% in 5x dia.)	15% min.
Reduction of Area	50% min.

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