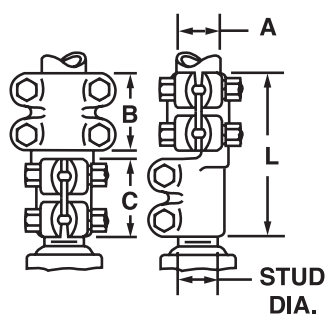
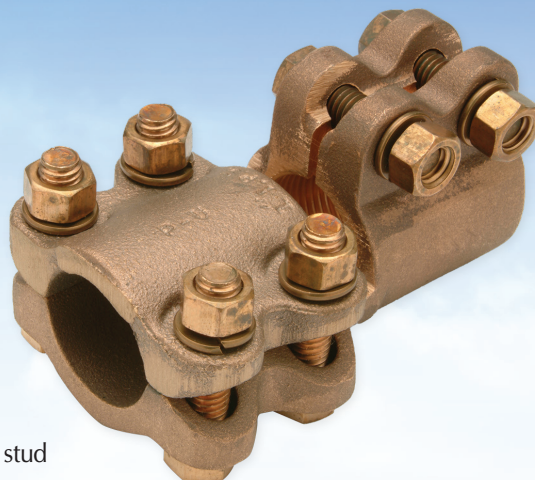


Bronze Stud Connectors

Type TS

For stud to tube vertical takeoff

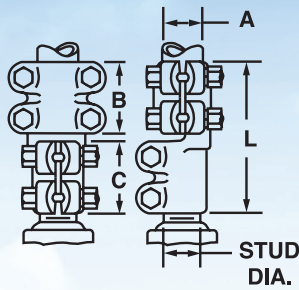
- Manufactured from high strength copper alloy
- Furnished with silicon bronze bolts, nuts, and lockwashers for corrosion resistance
- Captive bolt design permits single wrench installation
- Double bolt clamping provides additional secureness on threaded stud
- Four bolt clamping provided for tube end connection
- For tin plating, suffix catalog number with “-TN”



CATALOG NUMBER	STUD THREAD SIZE	A IPS SIZE	APPROXIMATE DIMENSIONS (IN.)			BOLT SIZE
			B	C	L	
TS-0513-05	1/2-13	1/2	1.94	1.38	3.50	3/8
TS-0513-07		3/4	1.94	1.88	3.94	3/8
TS-0513-10		1	1.94	1.88	3.94	3/8
TS-0716-05	3/4-16	1/2	1.94	1.94	3.94	3/8
TS-0716-07		3/4	1.94	1.94	4.06	3/8
TS-0716-10		1	1.94	1.94	4.06	3/8
TS-0716-12		1 1/4	2.19	1.94	4.31	3/8
TS-1014-05	1-14	1/2	1.94	1.88	4.13	3/8
TS-1014-07		3/4	1.94	1.88	4.00	3/8
TS-1014-10		1	1.94	1.88	4.00	3/8
TS-1014-12		1 1/4	2.13	1.94	4.38	3/8
TS-1014-15		1 1/2	2.69	2.69	5.63	1/2
TS-1014-20		2	2.69	2.69	5.63	1/2
TS-1112-05	1 1/8-12	1/2	1.94	1.94	4.19	3/8
TS-1112-07		3/4	1.94	1.94	4.13	3/8
TS-1112-10		1	1.94	1.94	4.25	3/8
TS-1112-12		1 1/4	2.69	2.69	5.50	1/2
TS-1112-15		1 1/2	2.69	2.69	5.63	1/2
TS-1112-20		2	2.69	2.69	5.88	1/2

continued next page

SUBSTATION CONNECTORS



Bronze Stud Connectors
Type TS (continued)

CATALOG NUMBER	STUD THREAD SIZE	A IPS SIZE	APPROXIMATE DIMENSIONS (IN.)			BOLT SIZE
			B	C	L	
TS-1212-05	1 1/4-12	1/2	1.94	1.94	4.19	3/8
TS-1212-07		3/4	1.94	1.94	4.13	3/8
TS-1212-10		1	1.94	1.94	4.25	3/8
TS-1212-12		1 1/4	2.69	2.69	5.50	1/2
TS-1212-15		1 1/2	2.69	2.69	5.63	1/2
TS-1212-20		3	2.69	2.69	5.88	1/2
TS-1512-07	1 1/2-12	3/4	2.94	2.00	4.25	3/8
TS-1512-10		1	1.94	2.00	4.25	3/8
TS-1512-12		1 1/4	2.63	2.63	5.50	1/2
TS-1512-15		1 1/2	2.63	2.69	5.63	1/2
TS-1512-20		2	2.69	2.69	5.63	1/2
TS-1512-25		2 1/2	2.75	2.69	5.69	1/2
TS-2012-07	2-12	3/4	1.94	1.94	4.31	3/8
TS-2012-10		1	2.94	1.94	4.31	3/8
TS-2012-12		1 1/4	2.63	2.75	5.63	1/2
TS-2012-15		1 1/2	2.69	2.69	5.69	1/2
TS-2012-20		2	2.69	2.75	5.69	1/2
TS-2012-25		2 1/2	2.75	2.75	5.75	1/2
TS-2212-10	2 1/4-12	1	2.94	2.19	4.50	3/8
TS-2212-12		1 1/4	2.63	2.75	5.88	1/2
TS-2212-15		1 1/2	2.69	2.75	6.00	1/2
TS-2212-20		2	2.69	2.75	6.00	1/2
TS-2212-25		2 1/2	2.75	2.75	5.75	1/2
TS-2512-10	2 1/2-12	1	1.94	2.19	4.69	3/8
TS-2512-12		1 1/4	2.63	2.75	5.81	1/2
TS-2512-15		1 1/2	2.63	2.75	5.81	1/2
TS-2512-20		2	2.69	2.75	5.88	1/2
TS-2512-25		2 1/2	2.75	2.75	5.81	1/2
TS-2512-30		3	3.38	3.25	7.00	5/8
TS-3010-15	3-10	1 1/2	2.75	2.75	6.06	1/2
TS-3010-20		2	2.75	2.75	6.06	1/2
TS-3010-25		2 1/2	2.75	2.75	6.06	1/2
TS-3010-30		3	3.38	3.25	7.00	5/8
TS-3010-35		3 1/2	3.25	3.25	7.00	5/8
TS-3010-40		4	3.25	3.25	7.00	5/8