STUD CONNECTORS

BOLTED/ALUMINUM

ADSC ..... STUD TO CABLE SE-1
ADSF ..... STUD TO FLAT SE-5
ADST ..... STUD TO TUBE SE-3
DSATL ..... STUD TO TUBE SE-6

WELDMENT/ALUMINUM

WSATL ..... WELDMENT EXPANSION, STUD TO TUBE SE-8

BOLTED/BRONZE

D2S ..... STUD TO TWO CABLES OR TUBES SE-12
DS ..... STUD TO CABLE OR TUBE SE-11
DSC ..... STUD TO CABLE SE-9
DST ..... STUD TO TUBE SE-13
DSTL ..... EXPANSION, STUD TO TUBE SE-14
HDSF ..... STUD TO FLAT SE-16

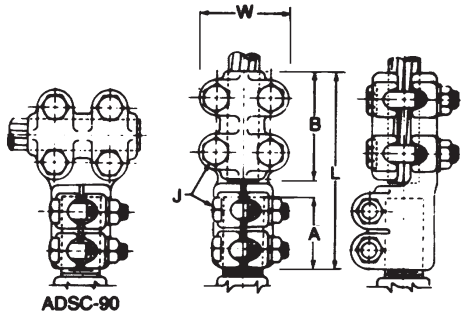
STUD CONNECTORS BOLTED ALUMINUM STUD TO CABLE

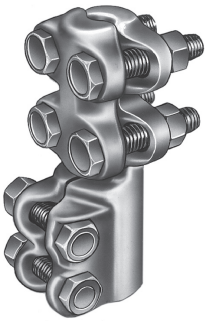
ALUMINUM
ADSC

Aluminum alloy stud connector for connecting aluminum cable to aluminum or copper equipment stud. Clamping bolts have hex-stops for one-wrench installation. Contact sealant is factory installed in connector stud threads and is recommended for conductor installation.

Material: **Casting**–356-T6 Aluminum Alloy
Hardware – Aluminum Alloy

Note: To specify 90 degree connector, add "90" to catalog number.
Example: ADSC11139012





Product Data & Conductor Size

CATALOG NUMBER	STUD DIA./THD.	CONDUCTOR RANGE			DIMENSIONS INCHES (MM)					APPROX. WT. EACH LBS. (KG)
		AAC	ACSR	DIA.	L	A	B	W	J	
*ADSC06616	3/4-16	#4 Sol.-250 MCM	#4-4/0 Str.	.232-.575 (5.89-14.60)	5-3/4 (146.05)	2 (50.8)	3 (76.2)	2-1/2 (63.5)	1/2 (12.7)	1.0 (.45)
ADSC06716	3/4-16	250-400 MCM	4/0-336.4 MCM	.563-.744 (14.30-18.90)	5-3/4 (146.05)	2 (50.8)	3 (76.2)	2-1/2 (63.5)	1/2 (12.7)	1.1 (.50)
*ADSC10614	1-14	#4 Sol.-250 MCM	#4-4/0 Str.	.232-.575 (5.89-14.60)	5-5/8 (142.88)	2 (50.8)	3 (76.2)	2-1/2 (63.5)	1/2 (12.7)	1.1 (.50)
ADSC10714	1-14	250-400 MCM	4/0-336.4 MCM	.563-.744 (14.30-18.90)	5-3/4 (146.05)	2 (50.8)	3 (76.2)	2-1/2 (63.5)	1/2 (12.7)	1.2 (.54)
ADSC10914	1-14	350-600 MCM	336.4-477 MCM	.681-.893 (17.30-22.68)	5-7/8 (149.22)	2 (50.8)	3-1/4 (82.55)	2-3/4 (69.85)	1/2 (12.7)	1.4 (.64)
*ADSC11612	1-1/8-12	#4 Sol.-250 MCM	#4-4/0 Str.	.632-.575 (16.05-14.60)	5-3/4 (146.05)	2 (50.8)	3 (76.2)	2-1/2 (63.5)	1/2 (12.7)	1.2 (.54)
ADSC11712	1-1/8-12	250-400 MCM	4/0-336.4 MCM	.563-.744 (14.30-18.90)	5-5/8 (142.88)	2 (50.8)	3 (76.2)	2-1/2 (63.5)	1/2 (12.7)	1.3 (.59)
ADSC11912	1-1/8-12	350-600 MCM	336.4-477 MCM	.681-.893 (17.30-22.68)	5-7/8 (149.22)	2 (50.8)	3-1/4 (82.55)	2-3/4 (69.85)	1/2 (12.7)	1.6 (.72)
ADSC111112	1-1/8-12	600-900 MCM	556.5-795 MCM	.870-1.108 (22.10-28.14)	6-1/8 (155.58)	2 (50.8)	3-1/2 (88.9)	3 (76.2)	1/2 (12.7)	1.9 (.86)
ADSC111312	1-1/8-12	900-1250 MCM	715.5-1113 MCM	1.108-1.293 (28.14-32.84)	6-5/8 (168.28)	2-1/8 (53.98)	3-3/4 (95.25)	3-1/4 (82.55)	1/2 (12.7)	2.3 (1.0)
*ADSC12612	1-1/4-12	#4 Sol.-250 MCM	#4-4/0 Str.	.232-.575 (5.89-14.60)	5-3/4 (146.05)	2 (50.8)	3 (76.2)	2-1/2 (63.5)	1/2 (12.7)	1.2 (.54)
ADSC12712	1-1/4-12	250-400 MCM	4/0-336.4 MCM	.563-.744 (14.30-18.90)	5-3/4 (146.05)	2 (50.8)	3 (76.2)	2-1/2 (63.5)	1/2 (12.7)	1.3 (.59)
ADSC12912	1-1/4-12	350-600 MCM	336.4-477 MCM	.681-.893 (17.30-22.68)	6 (152.4)	2 (50.8)	3-1/4 (82.55)	2-3/4 (69.85)	1/2 (12.7)	1.6 (.72)
ADSC121112	1-1/4-12	600-900 MCM	556.5-795 MCM	.870-1.108 (22.10-28.14)	6-1/4 (158.75)	2 (50.8)	3-1/2 (88.9)	3 (76.2)	1/2 (12.7)	1.9 (.86)
ADSC121312	1-1/4-12	900-1250 MCM	715.5-1113 MCM	1.108-1.293 (28.14-32.84)	6-1/2 (165.1)	2 (50.8)	3-3/4 (95.25)	3-1/4 (82.55)	1/2 (12.7)	2.4 (1.1)
ADSC14712	1-1/2-12	250-400 MCM	4/0-336.4 MCM	.563-.744 (14.30-18.90)	5-3/4 (146.05)	2 (50.8)	3 (76.2)	2-1/2 (63.5)	1/2 (12.7)	1.3 (.59)
ADSC14912	1-1/2-12	350-600 MCM	336.4-477 MCM	.681-.893 (17.30-22.68)	6 (152.4)	2 (50.8)	3-1/4 (82.55)	2-3/4 (69.85)	1/2 (12.7)	1.5 (.68)
ADSC141112	1-1/2-12	600-900 MCM	556.5-795 MCM	.870-1.108 (22.10-28.14)	6-1/4 (158.75)	2 (50.8)	3-1/2 (88.9)	3 (76.2)	1/2 (12.7)	2.0 (.91)
ADSC141312	1-1/2-12	900-1250 MCM	715.5-1113 MCM	1.108-1.293 (28.14-32.84)	6-1/2 (165.1)	2 (50.8)	3-3/4 (95.25)	3-1/4 (82.55)	1/2 (12.7)	2.4 (1.09)

** Furnished with reversible cable caps.*
Continued on next page.

SE 1

STUD CONNECTORS BOLTED ALUMINUM STUD TO CABLE (CONTINUED)

Product Data & Conductor Size

CATALOG NUMBER	STUD DIA./THD.	CONDUCTOR RANGE			DIMENSIONS INCHES (MM)					APPROX. WT. EACH LBS. (KG)
		AAC	ACSR	DIA.	L	A	B	W	J	
ADSC141612	1-1/2-12	1500-2000 MCM	1272-1590 MCM	1.382-1.632 (35.10-41.45)	7-1/4 (184.15)	2 (50.8)	4-1/2 (114.3)	3-5/8 (92.08)	1/2 (12.7)	2.9 (1.3)
ADSC16712	1-3/4-12	250-400 MCM	4/0-336.4 MCM	.563-.744 (14.30-18.90)	5-1/4 (133.35)	2 (50.8)	3 (76.2)	2-1/2 (63.5)	1/2 (12.7)	1.5 (.68)
ADSC161312	1-3/4-12	900-1250 MCM	715.5-1113 MCM	1.108-1.293 (28.14-32.84)	6-5/8 (168.28)	2 (50.8)	3-3/4 (95.25)	3-1/4 (82.55)	1/2 (12.7)	2.6 (1.18)
ADSC20912	2-12	350-600 MCM	336.4-477 MCM	.681-.893 (17.30-22.68)	6-1/8 (155.58)	2 (50.8)	3-1/4 (82.55)	2-3/4 (69.85)	1/2 (12.7)	1.6 (.72)
ADSC201112	2-12	600-900 MCM	556.5-795 MCM	.870-1.108 (22.10-28.96)	6-1/4 (158.75)	2 (50.8)	3-1/2 (88.9)	3 (76.2)	1/2 (12.7)	2.3 (1.04)
ADSC201312	2-12	900-1250 MCM	715.5-1113 MCM	1.108-1.293 (28.14-32.84)	6-1/2 (165.1)	2 (50.8)	3-3/4 (95.25)	3-1/8 (79.38)	1/2 (12.7)	2.6 (1.18)
ADSC201512	2-12	1250-1600 MCM	1113-1272 MCM	1.289-1.459 (32.74-37.06)	7 (177.8)	2 (50.8)	4-1/4 (107.95)	3-3/8 (85.72)	1/2 (12.7)	3.1 (1.41)

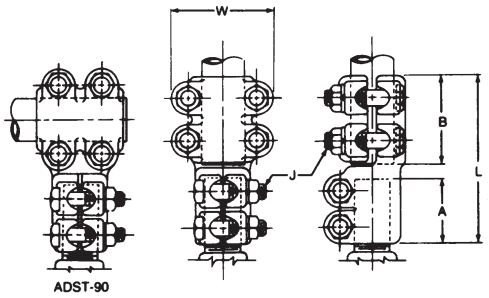
STUD CONNECTORS BOLTED ALUMINUM STUD TO TUBE

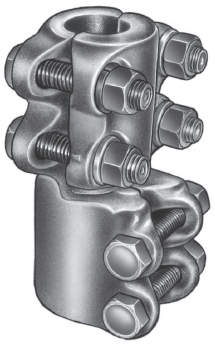
ALUMINUM
ADST

Aluminum alloy stud connector for connecting aluminum tubing to aluminum or copper equipment stud. Clamping bolts have hex-stops for one-wrench installation. Contact sealant is factory installed in connector stud threads and is recommended for conductor installation.

Material: **Casting**–356-T6 Aluminum Alloy
Hardware – Aluminum Alloy

Note: To specify 90 degree connector, add "90" to catalog number.
Example: ADST14209012





Product Data & Conductor Size

CATALOG NUMBER	STUD DIA./THD.	CONDUCTOR SIZE	DIMENSIONS INCHES (MM)					APPROX. WT. EACH LBS. (KG)
		TUBING IPS/EHIPS	L	A	B	W	J	
ADST061016	3/4-16	1	5-1/2 (139.7)	2-1/8 (53.98)	2-3/4 (69.85)	3-1/4 (82.55)	1/2 (12.7)	1.4 (.64)
ADST101214	1-14	1-1/4	5-3/4 (146.05)	2 (50.8)	3 (76.2)	3-5/8 (92.08)	1/2 (12.7)	2.3 (1.04)
ADST110612	1-1/8-12	3/4	5-1/4 (133.35)	2 (50.8)	2-1/2 (63.5)	3 (76.2)	1/2 (12.7)	1.5 (.68)
ADST111012	1-1/8-12	1	5-1/2 (139.7)	2-1/8 (53.98)	2-3/4 (69.85)	3-1/4 (82.55)	1/2 (12.7)	1.6 (.72)
ADST111212	1-1/8-12	1-1/4	5-3/4 (146.05)	2 (50.8)	3 (76.2)	3-5/8 (92.08)	1/2 (12.7)	2.3 (1.04)
ADST120612	1-1/4-12	3/4	5-3/8 (136.52)	2 (50.8)	2-1/2 (63.5)	3 (76.2)	1/2 (12.7)	1.5 (.68)
ADST121012	1-1/4-12	1	5-1/2 (139.7)	2 (50.8)	2-3/4 (69.85)	3-1/4 (82.55)	1/2 (12.7)	1.7 (.77)
ADST121212	1-1/4-12	1-1/4	5-1/2 (139.7)	2 (50.8)	2-3/4 (69.85)	3-5/8 (92.08)	1/2 (12.7)	2.4 (1.09)
ADST122012	1-1/4-12	2	6-1/4 (158.75)	2 (50.8)	3-1/2 (88.9)	4-3/8 (111.12)	1/2 (12.7)	3.5 (1.6)
ADST140612	1-1/2-12	3/4	5-1/4 (133.35)	2 (50.8)	2-1/2 (63.5)	3 (76.2)	1/2 (12.7)	1.8 (.82)
ADST141012	1-1/2-12	1	5-1/2 (139.7)	2 (50.8)	2-3/4 (69.85)	3-1/4 (82.55)	1/2 (12.7)	1.9 (.86)
ADST141212	1-1/2-12	1-1/4	5-3/4 (146.05)	2 (50.8)	3 (76.2)	3-5/8 (92.08)	1/2 (12.7)	2.7 (1.22)
ADST141412	1-1/2-12	1-1/2	6 (152.4)	2 (50.8)	3-1/4 (82.55)	3-7/8 (98.42)	1/2 (12.7)	2.9 (1.32)
ADST142012	1-1/2-12	2	6-3/8 (161.92)	2 (50.8)	3-1/2 (88.9)	4-3/8 (111.12)	1/2 (12.7)	3.9 (1.77)
ADST142412	1-1/2-12	2-1/2	6-1/2 (165.1)	2-1/4 (57.15)	3-3/4 (95.25)	4-1/4 (107.95)	1/2 (12.7)	4.1 (1.9)
ADST143012	1-1/2-12	3	7 (177.8)	2 (50.8)	4 (101.6)	5-1/2 (139.7)	1/2 (12.7)	4.3 (2.0)
ADST161012	1-3/4-12	1	5-1/2 (139.7)	2 (50.8)	2-3/4 (69.85)	3-1/4 (82.55)	1/2 (12.7)	2.0 (.91)
ADST161412	1-3/4-12	1-1/2	6 (152.4)	2 (50.8)	3-1/4 (82.55)	3-7/8 (98.42)	1/2 (12.7)	3.0 (1.36)

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SE 3

STUD CONNECTORS BOLTED ALUMINUM STUD TO TUBE (CONTINUED)

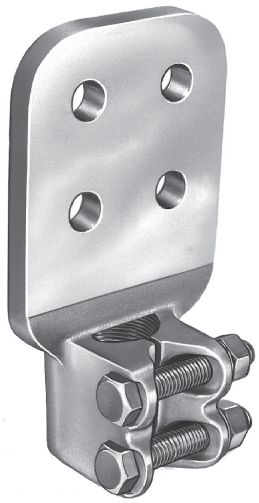
Product Data & Conductor Size

CATALOG NUMBER	STUD DIA./THD.	CONDUCTOR SIZE TUBING IPS/EHIPS	DIMENSIONS INCHES (MM) L	A	B	W	J	APPROX. WT. EACH LBS. (KG)
ADST163012	1-3/4-12	3	6-3/4 (171.45)	2 (50.8)	4 (101.6)	5-1/2 (139.7)	1/2 (12.7)	4.5 (2.0)
ADST201412	2-12	1-1/2	6 (152.4)	2 (50.8)	3-1/4 (82.55)	3-7/8 (98.42)	1/2 (12.7)	3.4 (1.54)
ADST202012	2-12	2	6-3/8 (161.92)	1-7/8 (47.62)	3-1/2 (88.9)	4-3/8 (111.12)	1/2 (12.7)	4.8 (2.18)
ADST202412	2-12	2-1/2	6-5/8 (168.28)	2 (50.8)	3-3/4 (95.25)	4-7/8 (123.82)	1/2 (12.7)	6.0 (2.72)
ADST203012	2-12	3	7 (177.80)	2 (50.8)	4 (101.6)	5-1/2 (139.7)	1/2 (12.7)	6.3 (2.9)
ADST241412	2-1/2-12	1-1/2	6-5/8 (168.28)	2-1/2 (63.5)	3-1/4 (82.55)	3-7/8 (96.42)	1/2 (12.7)	4.5 (2.04)
ADST303012	3-12	3	7-7/8 (200.03)	2-7/8 (73.03)	4 (101.6)	5-7/8 (149.23)	5/8 (15.88)	7.7 (3.49)
ADST304012	3-12	4	8-1/8 (206.38)	2-7/8 (73.03)	4-1/4 (107.95)	7 (177.8)	5/8 (15.88)	8.2 (3.72)
ADST305012	3-12	5	8-7/8 (225.43)	2-7/8 (73.03)	5 (127)	8 (203.2)	5/8 (15.88)	8.6 (3.9)

STUD CONNECTORS BOLTED ALUMINUM STUD TO FLAT

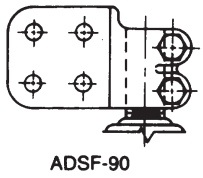
ALUMINUM
ADSF

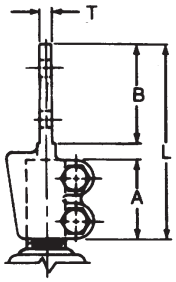
Aluminum alloy stud connector for connecting aluminum flat to aluminum or copper equipment stud. Contact surfaces are finished on both sides of the pad. Clamping bolts have hex-stops for one-wrench installation. Contact sealant is factory installed in connector stud threads and is recommended for conductor installation.

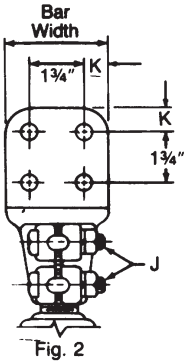


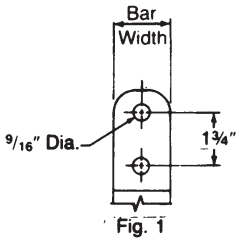
Material: **Casting**–356-T6 Aluminum Alloy
Stud Mounting Hardware – Aluminum Alloy

Note: To specify 90 degree connector, add suffix "90" to catalog number.
Example: ADSF141D389012









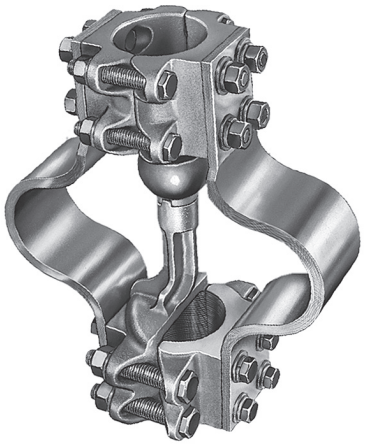
Product Data & Conductor Size

CATALOG NUMBER	STUD DIA./THD.	FIG. NO.	FLAT BAR WIDTH	DIMENSIONS INCHES (MM)						APPROX. WT. EACH LBS. (KG)
				L	A	B	T	J	K	
ADSF101D3812	1-12	2	4	7-1/8 (180.98)	2 (50.8)	4-1/4 (107.95)	3/8 (9.52)	3/8 (9.52)	1-1/8 (28.58)	1.1 (.50)
ADSF111B23812	1-1/8-12	1	2	6-1/8 (155.58)	2 (50.8)	3-1/4 (82.55)	3/8 (9.52)	1/2 (12.7)	5/8 (15.88)	1.0 (.50)
ADSF111C3812	1-1/8-12	2	3	6-1/8 (155.58)	2 (50.8)	3-1/4 (82.55)	3/8 (9.52)	1/2 (12.7)	5/8 (15.88)	1.8 (.82)
ADSF111D3812	1-1/8-12	2	4	7 (177.8)	2 (50.8)	4-1/4 (107.95)	3/8 (9.52)	1/2 (12.7)	1-1/8 (28.58)	2.2 (1.0)
ADSF121C3812	1-1/4-12	2	3	6 (152.4)	2 (50.8)	3-1/4 (82.55)	3/8 (9.52)	1/2 (12.7)	5/8 (15.88)	1.9 (.86)
ADSF141C3812	1-1/2-12	2	3	6-1/4 (158.75)	2 (50.8)	3-1/4 (82.55)	3/8 (9.52)	1/2 (12.7)	5/8 (15.88)	2.3 (1.0)
ADSF141D3812	1-1/2-12	2	4	7-3/8 (187.32)	2 (50.8)	4-1/4 (107.95)	3/8 (9.52)	1/2 (12.7)	1-1/8 (28.58)	2.4 (1.1)
ADSF141D1212	1-1/2-12	2	4	7-3/8 (187.32)	2 (50.8)	4-1/4 (107.95)	1/2 (12.7)	1/2 (12.7)	1-1/8 (28.58)	2.6 (1.2)
ADSF141D3412	1-1/2-12	2	4	7 (177.8)	2 (50.8)	4-1/4 (107.95)	3/4 (19.05)	1/2 (12.7)	1-1/8 (28.58)	3.2 (1.45)
ADSF161D3812	1-3/4-12	2	4	7-3/8 (187.32)	2 (50.8)	4-1/4 (107.95)	3/8 (9.52)	1/2 (12.7)	1-1/8 (28.58)	4.0 (1.8)
ADSF201D1212	2-12	2	4	7-3/8 (187.32)	2 (50.8)	4-1/4 (107.95)	1/2 (12.7)	1/2 (12.7)	1-1/8 (28.58)	3.5 (1.6)
ADSF201D3412	2-12	2	4	7-3/8 (187.32)	2 (50.8)	4-1/4 (107.95)	3/4 (19.05)	1/2 (12.7)	1-1/8 (28.58)	4.0 (1.8)
ADSF301D3412	3-12	2	4	8-3/8 (212.72)	3 (76.2)	4-1/4 (107.95)	3/4 (19.05)	1/2 (12.7)	1-1/8 (28.58)	5.0 (2.3)

SE 5

STUD CONNECTORS BOLTED ALUMINUM EXPANSION STUD TO TUBE

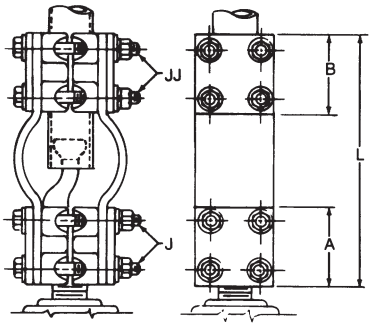
ALUMINUM
DSATL

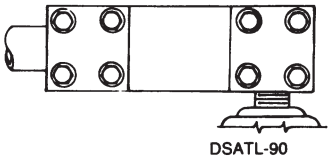


Aluminum and bronze alloy, expansion stud connector for connecting aluminum tubing to copper stud. Aluminum surfaces are assembled with contact sealant. Tubing guide ball and laminations are designed for use with standard (schedule 40 I.P.S.) tubing. Contact sealant is recommended.

Material: **Castings**—aluminum alloy—tube clamping and guide ball bronze alloy—stud clamping
Preformed laminated shunts—copper (tinned contacts)
Hardware–stainless steel and galvanized steel

Notes: (1) To specify 90 degree connector, add "90" to catalog number.
Example: DSATL1420G9012
(2) To specify extra heavy (schedule 80 EHIPS) tubing, add "H" to catalog number.
Example: DSATLH1420G12





SE 6

Product Data & Conductor Size

CATALOG NUMBER	STUD DIA./THD.	CONDUCTOR SIZE TUBING IPS	DIMENSIONS INCHES (MM) L	A	B	J	JJ	APPROX. WT. EACH LBS. (KG)
DSATL1110G12	1-1/8-12	1	12 (304.8)	3 (76.2)	2-3/4 (69.85)	1/2 (12.7)	1/2 (12.7)	10.8 (4.90)
DSATL1112G12	1-1/8-12	1-1/4	12 (304.8)	3 (76.2)	3 (76.2)	1/2 (12.7)	1/2 (12.7)	11.3 (5.12)
DSATL1114G12	1-1/8-12	1-1/2	12 (304.8)	3 (76.2)	3-1/4 (82.55)	1/2 (12.7)	1/2 (12.7)	11.5 (5.22)
DSATL1120G12	1-1/8-12	2	13-1/4 (336.55)	3 (76.2)	3-1/2 (88.9)	1/2 (12.7)	1/2 (12.7)	13.9 (6.30)
DSATL1210G12	1-1/4-12	1	12 (304.8)	3 (76.2)	2-3/4 (69.85)	1/2 (12.7)	1/2 (12.7)	10.9 (4.94)
DSATL1212G12	1-1/4-12	1-1/4	12 (304.8)	3 (76.2)	3 (76.2)	1/2 (12.7)	1/2 (12.7)	11.4 (5.17)
DSATL1214G12	1-1/4-12	1-1/2	12 (304.8)	3 (76.2)	3-1/4 (82.55)	1/2 (12.7)	1/2 (12.7)	12.0 (5.44)
DSATL1220G12	1-1/4-12	2	13 (330.2)	3 (76.2)	3-1/2 (88.9)	1/2 (12.7)	1/2 (12.7)	14.2 (6.44)
DSATL1410G12	1-1/2-12	1	13 (330.2)	3 (76.2)	2-3/4 (69.85)	1/2 (12.7)	1/2 (12.7)	11.8 (5.35)

Continued on next page.

STUD CONNECTORS BOLTED ALUMINUM EXPANSION STUD TO TUBE Continued

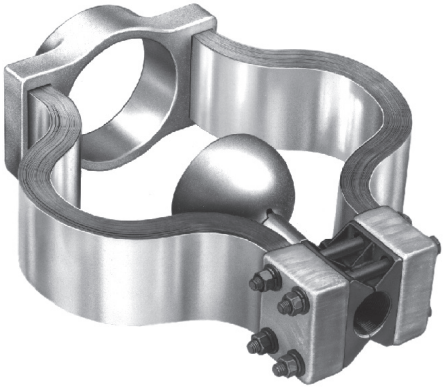
Product Data & Conductor Size

CATALOG NUMBER	STUD DIA./THD.	CONDUCTOR SIZE TUBING IPS	DIMENSIONS INCHES (MM) L	A	B	J	JJ	APPROX. WT. EACH LBS. (KG)
DSATL1412G12	1-1/2-12	1-1/4	13 (330.2)	3 (76.2)	3 (76.2)	1/2 (12.7)	1/2 (12.7)	12.6 (5.72)
DSATL1414G12	1-1/2-12	1-1/2	13 (330.2)	3 (76.2)	3-1/4 (82.55)	1/2 (12.7)	1/2 (12.7)	12.8 (5.81)
DSATL1420G12	1-1/2-12	2	13 (330.2)	3 (76.2)	3 (76.2)	1/2 (12.7)	1/2 (12.7)	18.8 (8.53)
DSATL1424G12	1-1/2-12	2-1/2	13-3/8 (346.08)	3 (76.2)	3-3/4 (95.25)	1/2 (12.7)	1/2 (12.7)	24.4 (11.07)
DSATL1430G12	1-1/2-12	3	13 (330.2)	3 (76.2)	4 (101.6)	1/2 (12.7)	1/2 (12.7)	16.3 (7.39)
DSATL1614G12	1-3/4-12	1-1/2	13 (330.2)	3 (76.2)	3-1/4 (82.55)	1/2 (12.7)	1/2 (12.7)	13.2 (5.99)
DSATL1620G12	1-3/4-12	2	13 (330.2)	3 (76.2)	3-1/2 (88.9)	1/2 (12.7)	1/2 (12.7)	14.9 (6.76)
DSATL1630G12	1-3/4-12	3	13 (330.2)	3 (76.2)	4 (101.6)	1/2 (12.7)	1/2 (12.7)	16.8 (7.62)
DSATL2020G12	2-12	2	13 (330.2)	3 (76.2)	3-1/2 (88.9)	1/2 (12.7)	1/2 (12.7)	21.8 (9.89)
DSATL2024G12	2-12	2-1/2	13-1/4 (336.5)	3 (76.2)	3-3/4 (95.25)	1/2 (12.7)	1/2 (12.7)	28.3 (12.84)
DSATL2030G12	2-12	3	13 (330.2)	3 (76.2)	4 (101.6)	1/2 (12.7)	1/2 (12.7)	28.9 (13.11)
DSATL2034G12	2-12	3-1/2	13 (330.2)	3 (76.2)	4-1/4 (107.95)	1/2 (12.7)	1/2 (12.7)	30.3 (13.74)
DSATL2040G12	2-12	4	13-1/2 (342.9)	3 (76.2)	3-1/2 (88.9)	1/2 (12.7)	1/2 (12.7)	26.2 (11.88)
DSATL2420G12	2-1/2-12	2	13 (330.2)	3 (76.2)	3 (76.2)	1/2 (12.7)	1/2 (12.7)	25.2 (11.43)
DSATL2424G12	2-1/2-12	2-1/2	13 (330.2)	3 (76.2)	3-3/4 (95.25)	1/2 (12.7)	1/2 (12.7)	25.8 (11.70)
DSATL2430G12	2-1/2-12	3	13 (330.2)	3 (76.2)	4 (101.6)	1/2 (12.7)	1/2 (12.7)	26.4 (11.98)
DSATL2440G12	2-1/2-12	4	13 (330.2)	3 (76.2)	4 (101.6)	1/2 (12.7)	1/2 (12.7)	28.4 (12.88)
DSATL3020G12	3-12	2	13 (330.2)	3 (76.2)	3-3/4 (95.25)	1/2 (12.7)	1/2 (12.7)	20.3 (9.21)
DSATL3024G12	3-12	2-1/2	13-3/4 (349.22)	3 (76.2)	3-3/4 (95.25)	1/2 (12.7)	1/2 (12.7)	21.1 (9.57)
DSATL3030G12	3-12	3	13 (330.2)	3 (76.2)	4 (101.6)	1/2 (12.7)	1/2 (12.7)	30.9 (14.02)
DSATL3034G12	3-12	3-1/2	13 (330.2)	3 (76.2)	3 (76.2)	1/2 (12.7)	1/2 (12.7)	31.4 (14.24)
DSATL3040G12	3-12	4	13 (330.2)	3 (76.2)	4 (101.6)	1/2 (12.7)	1/2 (12.7)	34.4 (15.60)
DSATL3430G12	3-1/2-12	3	13 (330.2)	3 (76.2)	4 (101.6)	1/2 (12.7)	1/2 (12.7)	36.8 (16.69)
DSATL4030G12	4-12	3	13 (330.2)	3 (76.2)	4 (101.6)	1/2 (12.7)	1/2 (12.7)	38.9 (17.64)
DSATL4040G12	4-12	4	13 (330.2)	3 (76.2)	4 (101.6)	1/2 (12.7)	1/2 (12.7)	42.5 (19.28)

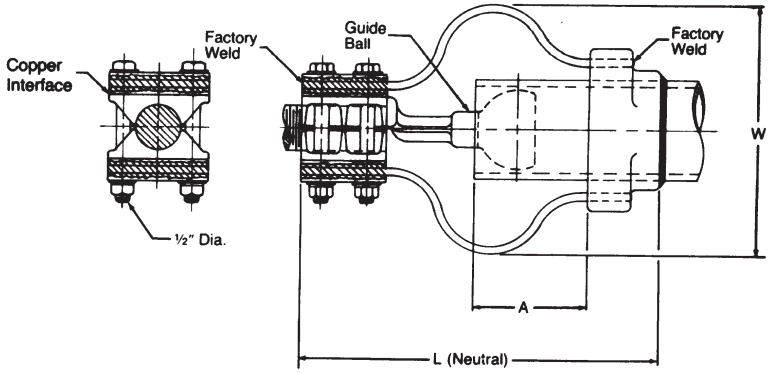
STUD CONNECTORS
BOLTED ALUMINUM WELDMENT
EXPANSION STUD TO TUBE

ALUMINUM
WSATL

Aluminum alloy weldment, expansion stud connector for connecting aluminum tubing to equipment stud. Designed for 3 one inch expansion. Specify "H" in catalog number (WSATLH-) if schedule 80 EHIPS tubing is to be used. Proper guide ball and lamination will be furnished. Copper clad aluminum transition plates are used between laminations and stud body.



Material:
Stud body & cap—bronze alloy
Tubing body—356-T6 aluminum alloy
Preformed laminated shunt–aluminum
Guide Ball—aluminum alloy
Shunt mounting hardware—stainless steel



SE 8

Product Data & Conductor Size

CATALOG NUMBER	STUD DIA./THD.	ALUMINUM CONDUCTOR SIZE IPS	DIMENSIONS INCHES (MM)			APPROX. WT. EACH LBS. (KG)
			L	A	W	
WSATL1420G12	1-1/2-12	2	11-3/8 (288.92)	4-5/8 (117.48)	8-1/4 (209.55)	7.9 (3.58)
WSATL1424G12	1-1/2-12	2-1/2	11-3/8 (288.92)	4-1/2 (114.3)	8-3/8 (212.72)	8.3 (3.76)
WSATL1430G12	1-1/2-12	3	11-3/8 (288.92)	4-3/8 (111.12)	8-5/8 (219.08)	9.6 (4.35)
WSATL1434G12	1-1/2-12	3-1/2	11-3/8 (288.92)	4-5/8 (117.48)	9-3/8 (238.12)	11.2 (5.08)
WSATL2020G12	2-12	2	11-5/8 (295.28)	4-7/8 (123.82)	9 (228.6)	13.6 (6.17)
WSATL2030G12	2-12	3	11-5/8 (295.28)	4-1/2 (114.3)	9-1/2 (241.3)	15.1 (6.85)
WSATL2040G12	2-12	4	11-5/8 (295.28)	3-3/4 (95.25)	11-1/8 (282.58)	16.9 (7.66)

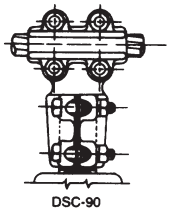
STUD CONNECTORS BOLTED BRONZE STUD TO CABLE

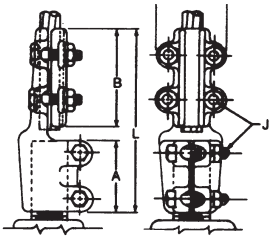
BRONZE
DSC

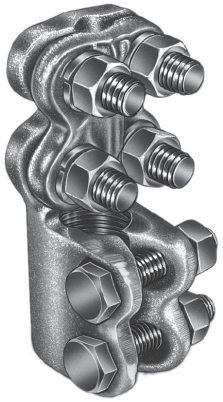
Bronze alloy stud connector for connecting copper cable to equipment stud. Clamping bolts have hexstops for one-wrench installation. All sizes furnished with reversible cable caps.

Material: **Castings**–Bronze Alloy
Hardware–Silicon Bronze or Stainless Steel

Note: To specify 90 degree connector, insert "90" into catalog number.
Example: DSC140509012







Product Data & Conductor Size

CATALOG NUMBER	STUD DIA./THD.	COPPER CONDUCTOR RANGE		DIMENSIONS INCHES (MM)					APPROX. WT. EACH LBS. (KG)
		CABLE	DIA.	L	A	B	W	J	
DSC04025133	1/2 - 13	#4-Sol.—250-MCM	.204 -.575 (5.18-14.6)	5-1/4 (133.35)	2-1/4 (57.15)	2-5/8 (66.68)	1-7/8 (47.62)	3/8 (9.52)	1.9 (.86)
DSC06025163	3/4 - 16	#4-Sol.—250-MCM	.204 -.575 (5.18-14.6)	5-1/8 (130.18)	2-1/4 (57.15)	2-1/2 (63.5)	1-7/8 (47.62)	3/8 (9.52)	2.0 (.91)
DSC10025143	1 - 14	#4-Sol.—250-MCM	.204 -.575 (5.18-14.6)	5-1/8 (130.18)	2-1/4 (57.15)	2-1/2 (63.5)	1-7/8 (47.62)	3/8 (9.52)	2.6 (1.18)
DSC10050143	1 - 14	1/0-Sol.—500-MCM	.325-.813 (8.26-20.65)	5-3/8 (136.52)	2-1/4 (57.15)	2-3/4 (69.85)	2-1/8 (53.98)	3/8 (9.52)	2.7 (1.22)
DSC1008014	1 - 14	2/0-Sol.—800-MCM	.365-1.031 (9.27-26.19)	5-3/8 (136.52)	2-1/4 (57.15)	2-3/4 (69.85)	2-7/8 (73.02)	1/2 (12.7)	4.6 (2.09)
DSC11025123	1-1/8 - 12	#4-Sol.—250-MCM	.204-.575 (5.18- -14.6)	5-1/8 (130.18)	2-1/4 (57.15)	2-1/2 (63.5)	1-7/8 (47.62)	3/8 (9.52)	2.3 (1.04)
DSC1102512	1-1/8 - 12	#4-Sol.—250-MCM	.204-.575 (5.18- -14.6)	5-1/4 (133.35)	2-1/4 (57.15)	2-1/2 (63.5)	2-3/8 (60.32)	1/2 (12.7)	3.7 (1.68)
DSC1105012	1-1/8 - 12	1/0-Sol.—500-MCM	.325-.813 (8.26-20.65)	5-1/2 (139.7)	2-1/4 (57.15)	2-3/4 (69.85)	2-1/2 (63.5)	1/2 (12.7)	4.3 (1.95)
DSC1108012	1-1/8 - 12	2/0-Sol.—800-MCM	.365-1.031 (9.27-26.19)	5-1/2 (139.7)	2-1/4 (57.15)	2-3/4 (69.85)	2-7/8 (73.02)	1/2 (12.7)	4.7 (2.13)
DSC12025123	1-1/4 - 12	#4-Sol.—250-MCM	.204 -.575 (5.18-14.6)	5-1/4 (133.35)	2-1/4 (57.15)	2-1/2 (63.5)	1-7/8 (47.62)	3/8 (9.52)	3.8 (1.72)
DSC12050123	1-1/4 - 12	1/0-Sol.—500-MCM	.325-.813 (8.26-20.65)	5-5/8 (142.88)	2-1/4 (57.15)	2-3/4 (69.85)	2-1/8 (53.98)	3/8 (9.52)	4.5 (2.04)
DSC1208012	1-1/4 - 12	2/0-Sol.—800-MCM	.365-1.031 (9.27-26.19)	5-1/2 (139.7)	2-1/4 (57.15)	2-3/4 (69.85)	2-7/8 (73.02)	1/2 (12.7)	5.4 (2.45)
DSC1210012	1-1/4 - 12	4/0-Str.—1000-MCM	.522-1.152 (13.26-29.26)	6-3/8 (161.92)	2-1/4 (57.15)	3-1/2 (88.9)	2-3/8 (60.32)	1/2 (12.7)	5.5 (2.49)
DSC14025123	1-1/2 - 12	#4-Sol.—250-MCM	.204 -.575 (5.18-14.6)	5-1/4 (133.35)	2-1/4 (57.15)	2-1/2 (63.5)	1-7/8 (47.62)	3/8 (9.52)	3.6 (1.63)
DSC1405012	1-1/2 - 12	1/0-Sol.—500-MCM	.325-.813 (8.26-20.65)	5-1/2 (139.7)	2-1/4 (57.15)	2-3/4 (69.85)	2-1/2 (63.5)	1/2 (12.7)	5.0 (2.27)
DSC1408012	1-1/2 - 12	2/0-Sol.—800-MCM	.365-1.031 (9.27-26.19)	5-3/8 (136.52)	2-1/4 (57.15)	2-3/4 (69.85)	2-7/8 (73.02)	1/2 (12.7)	5.5 (2.49)
DSC1410012	1-1/2 - 12	4/0-Str.—1000-MCM	.522-1.152 (13.26-29.26)	6-1/4 (158.75)	2-1/4 (57.15)	3-1/2 (88.9)	2-7/8 (73.02)	1/2 (12.7)	6.0 (2.72)
DSC1415012	1-1/2 - 12	250—1500-MCM	.574-1.412 (14.5 -35.86)	8 (203.2)	3-1/4 (82.55)	4-1/2 (114.3)	3-1/8 (79.38)	1/2 (12.7)	6.6 (2.99)

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STUD CONNECTORS BOLTED BRONZE STUD TO CABLE (CONTINUED)

Product Data & Conductor Size

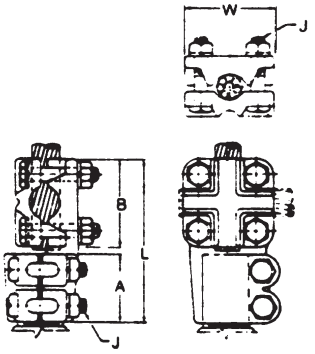
CATALOG NUMBER	STUD DIA./THD.	COPPER CONDUCTOR RANGE		DIMENSIONS INCHES (MM)					APPROX. WT. EACH LBS. (KG)
		CABLE	DIA.	L	A	B	W	J	
DSC1605012	1-3/4 -12	1/0 Sol. — 500 MCM	.325- .813 (8.26- 20.65)	5-1/2 (139.7)	2-1/4 (57.15)	2-3/4 (69.85)	2-1/2 (63.5)	1/2 (12.7)	5.6 (2.54)
DSC1610012	1-3/4 -12	4/0 Str. — 1000 MCM	.522- 1.152 (13.26- 29.26)	6-1/4 (158.75)	2-1/4 (57.15)	3-1/2 (88.9)	3 (76.2)	1/2 (12.7)	6.3 (2.86)
DSC2008012	2 - 12	2/0 Sol. — 800 MCM	.365- 1.031 (9.27- 26.19)	5-1/2 (139.7)	2-1/4 (57.15)	2-3/4 (69.85)	2-7/8 (73.02)	1/2 (12.7)	6.0 (2.72)
DSC2010012	2 - 12	4/0 Str. — 1000 MCM	.522- 1.152 (13.26- 29.26)	6-1/8 (155.58)	2-1/4 (57.15)	3-1/2 (88.9)	2-7/8 (73.02)	1/2 (12.7)	6.9 (3.13)
DSC2015012	2 - 12	250 — 1500 MCM	.574- 1.412 (14.58- 35.86)	6-3/4 (171.45)	2-1/4 (57.15)	3-3/4 (95.25)	3-3/8 (85.72)	1/2 (12.7)	8.6 (3.90)
DSC2020012	2 - 12	500 — 2000 MCM	.811- 1.632 (20.60- 41.45)	6-7/8 (174.62)	2-1/4 (57.15)	4 (101.6)	3-3/8 (85.72)	3/8 (9.52)	8.7 (3.95)
DSC2408012	2-1/2 -12	2/0 Sol. — 800 MCM	.365- 1.031 (9.27- 26.19)	6-1/8 (155.58)	2-3/4 (69.85)	2-3/4 (69.85)	2-7/8 (73.02)	1/2 (12.7)	7.8 (3.54)
DSC2410012	2-1/2 -12	4/0 Str. — 1000 MCM	.522- 1.152 (13.26- 29.26)	6-3/4 (171.45)	2-3/4 (69.85)	3-1/2 (88.9)	3 (76.2)	1/2 (12.7)	8.0 (3.63)
DSC3010012	3 - 12	4/0 Str. — 1000 MCM	.522- 1.152 (13.26- 29.26)	7-3/8 (187.32)	3-1/4 (82.55)	3-1/2 (88.9)	2-7/8 (73.02)	1/2 (12.7)	10.3 (4.67)
DSC3015012	3 - 12	250 — 1500 MCM	.574- 1.412 (14.58- 35.86)	7-5/8 (193.68)	3-1/4 (82.55)	3-3/4 (95.25)	3-3/8 (85.72)	1/2 (12.7)	12.0 (5.44)

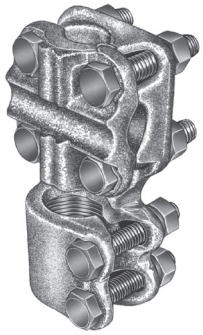
STUD CONNECTORS BOLTED BRONZE
STUD TO CABLE OR TUBE

BRONZE
DS

Bronze alloy stud connector for connecting copper cable or tube to equipment stud. A wide range of cable or a limited range of tubing may accommodate a straight or 90 degree connection.

Material: **Casting**–Bronze Alloy
Hardware – Silicon Bronze or Stainless Steel





Product Data & Conductor Size

CATALOG NUMBER	STUD DIA./THD.	COPPER CONDUCTOR RANGE			DIMENSIONS INCHES (MM)					APPROX. WT. EACH LBS. (KG)
		CABLE	CABLE DIA.	TUBING IPS	L	A	B	W	J	
DS0605016	3/4-16	#6 Sol. — 500 MCM	.162-.813 (4.11- 20.65)	3/8 - 1/2	4-7/8 (123.82)	2-1/4 (57.15)	2-1/4 (57.15)	2-1/4 (57.15)	3/8 (9.52)	2.9 (1.32)
DS0610016	3/4-16	#2 Sol. — 1000 MCM	.258-1.152 (6.55- 29.26)	3/8 - 3/4	5-5/8 (142.88)	2-1/4 (57.15)	3 (76.2)	3 (76.2)	1/2 (12.7)	5.4 (2.45)
DS1002514	1-14	#6 Sol. — 250 MCM	.162- .575 (4.11- 14.60)	—	4-1/2 (114.3)	2-1/4 (57.15)	1-7/8 (47.62)	1-7/8 (47.62)	3/8 (9.52)	2.8 (1.27)
DS1005014	1-14	#6 Sol. — 500 MCM	.162-.813 (4.11- 14.60)	5/8 - 1/2	4-7/8 (123.82)	2-1/4 (57.15)	2-1/4 (57.15)	2-1/4 (57.15)	3/8 (9.52)	2.9 (1.32)
DS1010014	1-14	#2 Sol. — 1000 MCM	.258-1.152 (6.55- 29.26)	3/8 - 3/4	5-5/8 (142.88)	2-1/4 (57.15)	3 (76.2)	3 (76.2)	1/2 (12.7)	5.9 (2.68)
DS1102512	1-1/8-12	#6 Sol. — 250 MCM	.162- .575 (4.11- 14.60)	—	4-5/8 (117.48)	2-1/4 (57.15)	1-7/8 (47.62)	1-7/8 (47.62)	3/8 (9.52)	2.7 (1.22)
DS1105012	1-1/8-12	#6 Sol. — 500 MCM	.162-.813 (4.11- 20.65)	3/8 - 1/2	4-7/8 (123.82)	2-1/4 (57.15)	2-1/4 (57.15)	2-1/4 (57.15)	3/8 (9.52)	3.2 (1.45)
DS1110012	1-1/8-12	#2 Sol. — 1000 MCM	.258-1.152 (6.55- 29.26)	3/8 - 3/4	5-5/8 (142.88)	2-1/4 (57.15)	3 (76.2)	3 (76.2)	1/2 (12.7)	5.9 (2.68)
DS1120012	1-1/8-12	4/0 Sol. — 2000 MCM	.460- 1.632 (11.68- 41.45)	3/8 - 1-1/4	6-1/4 (158.75)	2-1/4 (57.15)	3-3/8 (85.72)	3-3/8 (85.72)	1/2 (12.7)	8.4 (3.81)
DS1202512	1-1/4-12	#6 Sol. — 250 MCM	.162- .575 (4.11- 14.60)	—	4-5/8 (117.48)	2-1/4 (57.15)	1-7/8 (47.62)	1-7/8 (47.62)	3/8 (9.52)	3.3 (1.50)
DS1205012	1-1/4-12	#6 Sol. — 500 MCM	.162-.813 (4.11- 20.65)	3/8 - 1/2	4-7/8 (123.82)	2-1/4 (57.15)	2-1/4 (57.15)	2-1/4 (57.15)	3/8 (9.52)	3.7 (1.68)
DS1210012	1-1/4-12	#2 Sol. — 1000 MCM	.258-1.152 (6.55- 29.26)	3/8 - 3/4	5-5/8 (142.88)	2-1/4 (57.15)	3 (76.2)	3 (76.2)	1/2 (12.7)	6.5 (2.95)
DS1402512	1-1/2-12	#6 Sol. — 250 MCM	.162- .575 (4.11- 14.60)	—	4-1/2 (114.3)	2-1/4 (57.15)	1-7/8 (47.62)	1-7/8 (47.62)	3/8 (9.52)	3.6 (1.63)
DS1405012	1-1/2-12	#6 Sol. — 500 MCM	.162-.813 (4.11- 14.60)	3/8 - 1/2	5 (127.0)	2-1/4 (57.15)	2-1/4 (57.15)	2-1/4 (57.15)	3/8 (9.52)	3.9 (1.77)
DS1410012	1-1/2-12	#2 Sol. — 1000 MCM	.258-1.152 (6.55- 29.26)	3/8 - 3/4	5-5/8 (142.88)	2-1/4 (57.15)	3 (76.2)	3 (76.2)	1/2 (12.7)	7.0 (3.18)
DS1420012	1-1/2-12	4/0 Sol. — 2000 MCM	.460- 1.632 (11.68- 41.45)	3/8 - 1-1/4	6-1/8 (155.58)	2-1/4 (57.15)	3-3/8 (85.72)	3-3/8 (85.72)	1/2 (12.7)	9.1 (4.13)
DS1620012	1-3/4-12	4/0 Sol. — 2000 MCM	.460- 1.632 (11.68- 41.45)	3/8 - 1-1/4	6-1/8 (155.58)	2-1/4 (57.15)	3-3/8 (85.72)	3-3/8 (85.72)	1/2 (12.7)	9.3 (4.22)
DS2010012	2-12	#2 Sol. — 1000 MCM	.258-1.152 (6.55- 29.26)	3/8 - 3/4	6-1/4 (158.75)	2-1/4 (57.15)	3-3/8 (85.72)	3-3/8 (85.72)	1/2 (12.7)	9.2 (4.17)
DS2020012	2-12	4/0 Sol. — 2000 MCM	.460- 1.632 (11.68- 41.45)	3/8 - 1-1/4	6-1/4 (158.75)	2-1/4 (57.15)	3-3/8 (85.72)	3-3/8 (85.72)	1/2 (12.7)	9.5 (4.31)

HUBBELL

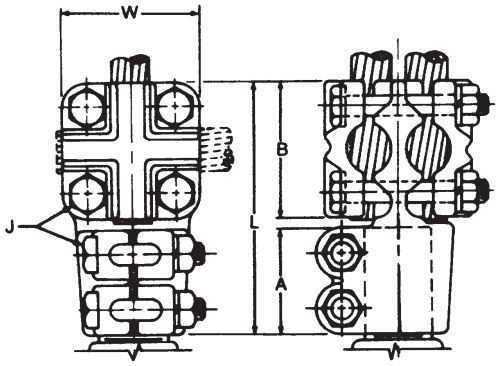
BRONZE
D2S

STUD CONNECTORS
BOLTED BRONZE
STUD TO TWO CABLES OR TUBES



Bronze alloy stud connector for connecting two copper cables or tubes to equipment stud. A wide range of cable or a limited range of tubing may accommodate straight or 90 degree connections. Clamping bolts have hex-stops for one-wrench installation.

Material: **Casting**–Bronze Alloy
Hardware – Silicon Bronze or Stainless Steel



Product Data & Conductor Size

CATALOG NUMBER	STUD DIA./THD.	COPPER CONDUCTOR RANGE			DIMENSIONS INCHES (MM)					APPROX. WT. EACH LBS. (KG)
		CABLE	CABLE DIA.	TUBING IPS	L	A	B	W	J	
D2S0605016	3/4-16	#6 Sol. — 500 MCM	.162-.813 (4.11- 20.65)	3/8 - 1/2	4-7/8 (123.82)	2-1/4 (57.15)	2-1/4 (57.15)	2-1/4 (57.15)	3/8 (9.52)	2.9 (1.32)
D2S1005014	1-14	#6 Sol. — 500 MCM	.162-.813 (4.11- 20.65)	3/8 - 1/2	4-3/4 (120.65)	2-1/4 (57.15)	2-1/4 (57.15)	2-1/4 (57.15)	3/8 (9.52)	3.4 (1.54)
D2S1010014	1-14	#2 Sol. — 1000 MCM	.258-1.152 (6.55- 29.26)	3/8- 3/4	5-3/4 (146.05)	2-1/4 (57.15)	3 (76.2)	3 (76.2)	1/2 (12.7)	7.0 (3.18)
D2S1105012	1-1/8 - 12	#6 Sol. — 500 MCM	.162-.813 (4.11- 14.60)	3/8 - 1/2	4-7/8 (123.82)	2-1/4 (57.15)	2-1/4 (57.15)	2-1/4 (57.15)	3/8 (9.52)	3.5 (1.59)
D2S1110012	1-1/8 - 12	#2 Sol. — 1000 MCM	.258-1.152 (6.55- 29.26)	3/8 - 3/4	5-5/8 (142.88)	2-1/4 (57.15)	3 (76.2)	3 (76.2)	1/2 (12.7)	7.1 (3.22)
D2S1210012	1-1/4 -12	#2 Sol. — 1000 MCM	.258-1.152 (6.55- 29.26)	3/8- 3/4	5-5/8 (142.88)	2-1/4 (57.15)	3 (76.2)	3 (76.2)	1/2 (12.7)	7.3 (3.31)
D2S1405012	1-1/2 - 12	#6 Sol. — 500 MCM	.162-.813 (4.11- 20.65)	3/8 - 1/2	4-7/8 (123.82)	2-1/4 (57.15)	2-1/4 (57.15)	2-1/4 (57.15)	3/8 (9.52)	4.3 (1.95)
D2S1410012	1-1/2 - 12	#2 Sol. — 1000 MCM	.258-1.152 (6.55- 29.26)	3/8 - 3/4	5-3/4 (146.05)	2-1/4 (57.15)	3 (76.2)	3 (76.2)	1/2 (12.7)	7.7 (3.49)
D2S1420012	1-1/2 - 12	4/0 Sol. — 2000 MCM	.460- 1.632 (11.68- 41.45)	3/8 - 1-1/4	6-1/8 (155.58)	2-1/4 (57.15)	3-3/8 (85.72)	3-3/8 (85.72)	1/2 (12.7)	10.7 (4.85)
D2S1610012	1 -3/4 - 12	#2 Sol. — 1000 MCM	.258-1.152 (6.55- 29.26)	3/8- 3/4	5-3/4 (146.05)	2-1/4 (57.15)	3 (76.2)	3 (76.2)	1/2 (12.7)	7.9 (3.58)
D2S2010012	2 - 12	#2 Sol. — 1000 MCM	.258-1.152 (6.55- 29.26)	3/8- 3/4	6 (152.4)	2-1/4 (57.15)	3 (76.2)	3 (76.2)	1/2 (12.7)	8.7 (3.95)
D2S2020012	2 - 12	4/0 Sol. — 2000 MCM	.460- 1.632 (11.68- 41.45)	3/8 - 1-1/4	6-1/4 (158.75)	2-1/4 (57.15)	3-3/8 (85.72)	3-3/8 (85.72)	1/2 (12.7)	11.1 (5.03)
D2S3020012	3 - 12	4/0 Sol. — 2000 MCM	.460- 1.632 (11.68- 41.45)	3/8 - 1-1/4	7-1/8 (180.98)	3-1/4 (82.55)	3-3/8 (85.72)	3-3/8 (85.72)	1/2 (12.7)	14.9 (6.76)

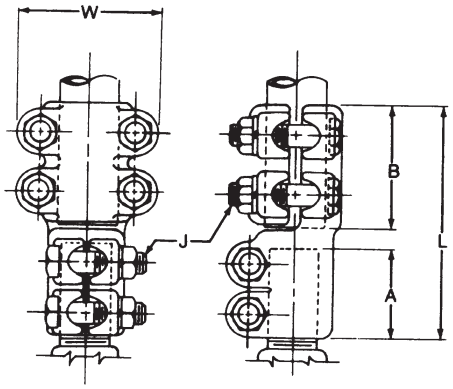
STUD CONNECTORS BOLTED BRONZE STUD TO TUBE

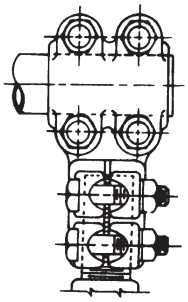
BRONZE
DST

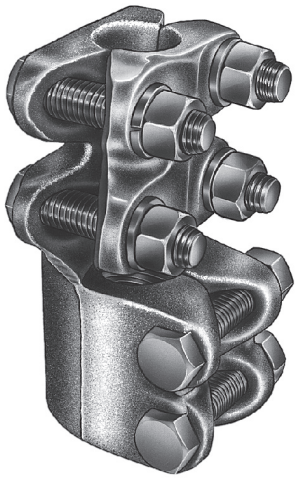
Bronze alloy stud connector for connecting copper tubing to equipment stud. Clamping bolts have hex-stops for one-wrench installation.

Material: **Castings**—Bronze Alloy
Hardware–Silicon Bronze or Stainless Steel

Note: To specify 90 degree connector, add "90" into catalog number.
Example: DST11149012




DST-90

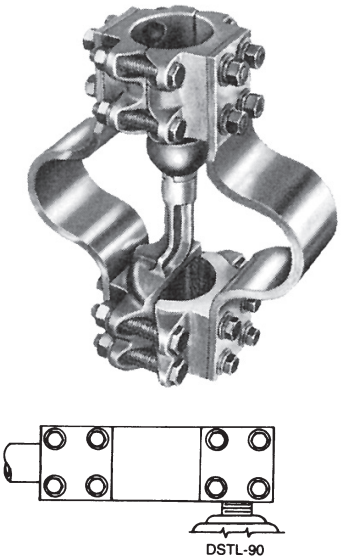


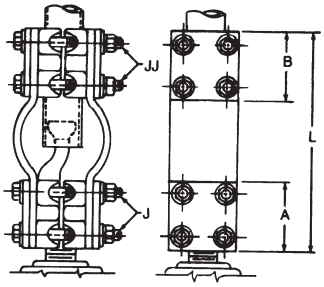
Product Data & Conductor Size

CATALOG NUMBER	STUD DIA./THD.	CONDUCTOR SIZE TUBING IPS	DIMENSIONS INCHES (MM) L	A	B	W	J	APPROX. WT. EACH LBS. (KG)
DST101214	1-14	1-1/4	5-1/4 (133.35)	2 (50.8)	2-1/2 (63.5)	3-1/4 (82.55)	1/2 (12.7)	5.0 (2.27)
DST1106123	1-1/8-12	3/4	5-5/8 (142.88)	2 (50.8)	2-3/4 (69.85)	3-5/8 (92.08)	3/8 (9.52)	5.3 (2.40)
DST111012	1-1/8-12	1	5 (127.0)	2 (50.8)	2-1/2 (63.5)	2-1/2 (63.5)	3/8 (9.52)	4.9 (2.22)
DST111412	1-1/8-12	1-1/2	5-1/2 (139.7)	2 (50.8)	2-3/4 (69.85)	3-3/4 (95.25)	1/2 (12.7)	5.4 (2.45)
DST140612	1-1/2-12	3/4	5-1/4 (133.35)	2 (50.8)	2-1/2 (63.5)	3 (76.2)	1/2 (12.7)	5.5 (2.49)
DST141012	1-1/2-12	1	5-1/4 (133.35)	2 (50.8)	2-1/2 (63.5)	3-1/4 (82.55)	1/2 (12.7)	5.8 (2.63)
DST141212	1-1/2-12	1-1/4	5-1/4 (133.35)	2 (50.8)	2-1/2 (63.5)	3-1/4 (82.55)	1/2 (12.7)	6.1 (2.77)
DST141412	1-1/2-12	1-1/2	5-1/2 (139.7)	2 (50.8)	2-3/4 (69.85)	3-5/8 (92.08)	1/2 (12.7)	6.8 (3.08)
DST142012	1-1/2-12	2	5-1/2 (139.7)	2 (50.8)	2-3/4 (69.85)	3-7/8 (98.42)	1/2 (12.7)	7.3 (3.31)
DST201212	2-12	1-1/4	5-5/8 (142.88)	2 (50.8)	2-3/4 (69.85)	3-5/8 (92.08)	1/2 (12.7)	7.0 (3.18)
DST201412	2-12	1-1/2	5-5/8 (142.88)	2 (50.8)	2-3/4 (69.85)	3-1/8 (79.38)	1/2 (12.7)	7.7 (3.49)
DST202012	2-12	2	5-5/8 (142.88)	2 (50.8)	2-7/8 (73.02)	3-3/4 (95.25)	1/2 (12.7)	8.5 (3.86)
DST202412	2-12	2-1/2	6-1/8 (155.58)	2 (50.8)	3-1/4 (82.55)	4-1/2 (114.3)	1/2 (12.7)	12.9 (5.85)

STUD CONNECTORS BOLTED BRONZE EXPANSION STUD TO TUBE

BRONZE
DSTL





Bronze alloy expansion stud connector for connecting copper tubing to equipment stud.

Material: **Castings**—Bronze Alloy
Factory formed laminated shunts–copper (tinned contacts)
Hardware–Stainless Steel or Silicon Bronze

Notes: (1) To specify braided shunt, replace "L" in catalog number with the letter "F".
Example: DSTF1110G12
(2) To specify 90 degree connector, add "90" to catalog number.
Example: DSTL110G9012

Product Data & Conductor Size

CATALOG NUMBER	STUD DIA./THD.	CONDUCTOR SIZE	DIMENSIONS INCHES (MM)					APPROX. WT. EACH LBS. (KG)
		TUBING IPS	L	A	B	J	JJ	
DSTL1012G14	1 -14	1-1/4	12 (304.8)	3 (76.2)	3 (76.2)	1/2 (12.7)	1/2 (12.7)	12.0 (5.44)
DSTL1014G14	1 -14	1-1/2	12 (304.8)	3 (76.2)	3 (76.2)	1/2 (12.7)	1/2 (12.7)	12.8 (5.81)
DSTL1110G12	1 -1/8 -12	1	12 (304.8)	3 (76.2)	3 (76.2)	1/2 (12.7)	1/2 (12.7)	12.5 (5.67)
DSTL1112G12	1 -1/8 -12	1-1/4	12 (304.8)	3 (76.2)	3 (76.2)	1/2 (12.7)	1/2 (12.7)	13.8 (6.26)
DSTL1114G12	1 -1/8 -12	1-1/2	12 (304.8)	3 (76.2)	3 (76.2)	1/2 (12.7)	1/2 (12.7)	14.1 (6.40)
DSTL1120G12	1 -1/8 -12	2	12 (304.8)	3 (76.2)	3 (76.2)	1/2 (12.7)	1/2 (12.7)	18.7 (8.48)
DSTL1124G12	1 -1/8 -12	2-1/2	12 (304.8)	3 (76.2)	3 (76.2)	1/2 (12.7)	1/2 (12.7)	19.4 (8.80)
DSTL1206G12	1 -1/4 -12	3/4	12-1/2 (317.5)	3 (76.2)	3 (76.2)	1/2 (12.7)	1/2 (12.7)	12.8 (5.81)
DSTL1406G12	1-1/2 -12	3/4	13 (330.2)	3 (76.2)	3 (76.2)	1/2 (12.7)	1/2 (12.7)	14.1 (6.40)
DSTL1410G12	1-1/2 -12	1	13 (330.2)	3 (76.2)	3 (76.2)	1/2 (12.7)	1/2 (12.7)	19.5 (8.84)
DSTL1412G12	1-1/2 -12	1-1/4	13 (330.2)	3 (76.2)	3 (76.2)	1/2 (12.7)	1/2 (12.7)	20.5 (9.07)
DSTL1414G12	1-1/2 -12	1-1/2	13 (330.2)	3 (76.2)	3 (76.2)	1/2 (12.7)	1/2 (12.7)	21.7 (9.84)
DSTL1420G12	1-1/2 -12	2	13 (330.2)	3 (76.2)	3 (76.2)	1/2 (12.7)	1/2 (12.7)	22.8 (10.34)
DSTL1424G12	1-1/2 -12	2-1/2	13 (330.2)	3 (76.2)	3 (76.2)	1/2 (12.7)	1/2 (12.7)	27.0 (12.25)
DSTL2020G12	2 - 12	2	13 (330.2)	3 (76.2)	3 (76.2)	1/2 (12.7)	1/2 (12.7)	24.0 (10.89)

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STUD CONNECTORS BOLTED BRONZE EXPANSION STUD TO TUBE (CONTINUED)

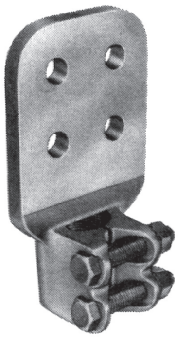
Product Data & Conductor Size

CATALOG NUMBER	STUD DIA./THD.	CONDUCTOR SIZE	DIMENSIONS INCHES (MM)					APPROX. WT. EACH LBS. (KG)
		TUBING IPS	L	A	B	J	JJ	
DSTL2024G12	2 -12	2-1/2	13 (330.2)	3 (76.2)	3 (76.2)	1/2 (12.7)	1/2 (12.7)	26.7 (12.11)
DSTL2030G12	2 -12	3	12-7/8 (327.02)	3 (76.2)	3 (76.2)	1/2 (12.7)	1/2 (12.7)	31.8 (14.42)
DSTL2034G12	2 -12	3-1/2	13 (330.2)	3 (76.2)	3 (76.2)	1/2 (12.7)	1/2 (12.7)	36.2 (18.42)
DSTL3014G12	3 -12	1-1/2	13 (330.2)	3 (76.2)	3 (76.2)	1/2 (12.7)	1/2 (12.7)	27.9 (12.66)
DSTL3020G12	3 -12	2	13 (330.2)	3 (76.2)	3 (76.2)	1/2 (12.7)	1/2 (12.7)	31.2 (14.15)
DSTL3024G12	3 -12	2-1/2	13 (330.2)	3 (76.2)	3 (76.2)	1/2 (12.7)	1/2 (12.7)	36.3 (16.47)
DSTL3030G12	3 -12	3	13 (330.2)	3 (76.2)	3 (76.2)	1/2 (12.7)	1/2 (12.7)	42.4 (19.23)

STUD CONNECTORS BOLTED BRONZE
STUD TO FLAT BAR

BRONZE

HDSF



Bronze alloy stud connector for connecting copper flat pad to copper stud. Tongue holes have NEMA hole spacing with contact surface on both sides.

Material: **Casting**–Bronze Alloy
Hardware–Silicon Bronze or Stainless Steel

Note: To specify 90 degree connector, insert "90" into catalog number.
Example: HDSF1413389012

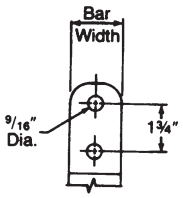
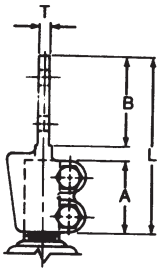


Fig. 1



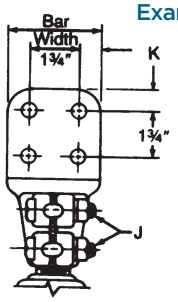
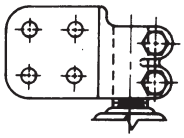


Fig. 2


HDSF-90

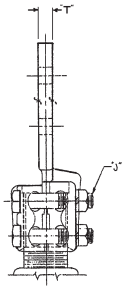


Fig. 3

Product Data & Conductor Size

CATALOG NUMBER	STUD DIA./THD.	FIG. NO.	FLAT BAR WIDTH	DIMENSIONS INCHES (MM)						APPROX. WT. EACH LBS. (KG)
				L	A	B	T	J	K	
HDSF061216	3/4 -16	1	2	6-1/8 (155.58)	2 (50.8)	3-1/4 (82.55)	1/4 (6.35)	3/8 (9.52)	5/8 (15.88)	2.1 (.95)
HDSF061316	3/4 -16	2	3	6-1/8 (155.58)	2 (50.8)	3-1/4 (82.55)	1/4 (6.35)	3/8 (9.52)	5/8 (15.88)	2.3 (1.04)
HDSF10123814	1 -14	1	2	6-1/8 (155.58)	2 (50.8)	3-1/4 (82.55)	3/8 (9.52)	3/8 (9.52)	5/8 (15.88)	3.1 (1.41)
HDSF10133814	1 -14	2	3	6-1/4 (158.75)	2 (50.8)	3-1/4 (82.55)	3/8 (9.52)	3/8 (9.52)	5/8 (15.88)	3.3 (1.50)
HDSF11123812	1-1/8-12	1	2	6-1/8 (155.58)	2 (50.8)	3-1/4 (82.55)	3/8 (9.52)	1/2 (12.7)	5/8 (15.88)	2.9 (1.32)
HDSF11133812	1-1/8-12	2	3	6-1/8 (155.58)	2 (50.8)	3-1/4 (82.55)	3/8 (9.52)	1/2 (12.7)	5/8 (15.88)	3.5 (1.59)
HDSF111D3812	1-1/8-12	2	4	7-1/8 (180.98)	2 (50.8)	4-1/4 (107.95)	3/8 (9.52)	1/2 (12.7)	1-1/8 (28.58)	5.1 (2.31)
HDSF12123812	1-1/4 -12	1	2	6-3/8 (161.92)	2 (50.8)	3-1/4 (82.55)	3/8 (9.52)	1/2 (12.7)	5/8 (15.88)	3.6 (1.63)
HDSF12133812	1-1/4 -12	2	3	6-3/8 (161.92)	2 (50.8)	3-1/4 (82.55)	3/8 (9.52)	1/2 (12.7)	5/8 (15.88)	4.8 (2.18)
HDSF121D3812	1-1/4 -12	3	4	7-1/4 (184.15)	2 (50.8)	4-1/4 (107.95)	3/8 (9.52)	1/2 (12.7)	1-1/8 (28.58)	5.3 (2.40)
HDSF14123812	1-1/2-12	1	2	6-3/8 (161.92)	2 (50.8)	3-1/4 (82.55)	3/8 (9.52)	1/2 (12.7)	5/8 (15.88)	4.0 (1.81)
HDSF14133812	1-1/2-12	3	3	6-3/8 (161.92)	2 (50.8)	3-1/4 (82.55)	3/8 (9.52)	1/2 (12.7)	5/8 (15.88)	4.3 (1.95)
HDSF141D1212	1-1/2-12	3	4	7-3/8 (187.32)	2 (50.8)	4-1/4 (107.95)	1/2 (12.7)	1/2 (12.7)	1-1/8 (28.58)	5.2 (2.36)
HDSF16131212	1-3/4-12	2	3	6-3/8 (161.92)	2 (50.8)	3-1/4 (82.55)	1/2 (12.7)	1/2 (12.7)	5/8 (15.88)	5.9 (2.68)
HDSF161D1212	1-3/4-12	2	4	7-3/8 (187.32)	2 (50.8)	4-1/4 (107.95)	1/2 (12.7)	1/2 (12.7)	1-1/8 (28.58)	6.6 (2.99)

Continued on next page.

STUD CONNECTORS BOLTED BRONZE STUD TO FLAT BAR (CONTINUED)

Product Data & Conductor Size

CATALOG NUMBER	STUD DIA./THD.	FIG. NO.	FLAT BAR WIDTH	DIMENSIONS INCHES (MM)						APPROX. WT. EACH LBS. (KG)
				L	A	B	T	J	K	
HDSF20131212	2-12	2	3	6-3/8 (161.92)	2 (50.8)	3-1/4 (82.55)	1/2 (12.7)	1/2 (12.7)	5/8 (15.88)	5.5 (2.45)
HDSF201D1212	2-12	3	4	7-3/8 (187.32)	2 (50.8)	4-1/4 (107.95)	1/2 (12.7)	1/2 (12.7)	1-1/8 (28.58)	7.3 (3.31)
HDSF22131212	2-1/4 -12	2	3	6-3/8 (161.92)	2 (50.8)	3-1/4 (82.55)	1/2 (12.7)	1/2 (12.7)	5/8 (15.88)	6.7 (3.04)
HDSF221D1212	2-1/4 -12	2	4	7-3/8 (187.32)	2 (50.8)	4-1/4 (107.95)	1/2 (12.7)	1/2 (12.7)	1-1/8 (28.58)	10.2 (4.63)
HDSF24131212	2-1/2 -12	2	3	6-7/8 (174.62)	2-1/2 (63.5)	3-1/4 (82.55)	1/2 (12.7)	1/2 (12.7)	5/8 (15.88)	7.8 (3.54)
HDSF241D1212	2-1/2 -12	2	4	7-7/8 (200.02)	2-1/2 (63.5)	4-1/4 (107.95)	1/2 (12.7)	1/2 (12.7)	1-1/8 (28.58)	10.9 (4.94)
HDSF301D3412	3 -12	2	4	8-3/8 (212.72)	3 (76.2)	4-1/4 (107.95)	3/4 (19.05)	5/8 (15.88)	5/8 (15.88)	13.6 (6.17)
HDSF321D3412	3-1/4-12	2	4	8-5/8 (219.08)	3 (76.2)	4-1/4 (107.95)	3/4 (19.05)	5/8 (15.88)	5/8 (15.88)	14.2 (6.44)
HDSF401D112	4 -12	2	4	9 (228.6)	3-5/8 (92.08)	4-1/4 (107.95)	1 (25.4)	5/8 (15.88)	1-1/8 (28.58)	19 (8.62)
HDSF501D112	5 -12	2	4	9-1.8 (231.8)	3-1/2 (89.9)	4-1/4 (107.95)	1 (25.4)	5/8 (15.88)	1-1/8 (28.58)	35.5 (16.1)