



COUPLERS

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COUPLERS

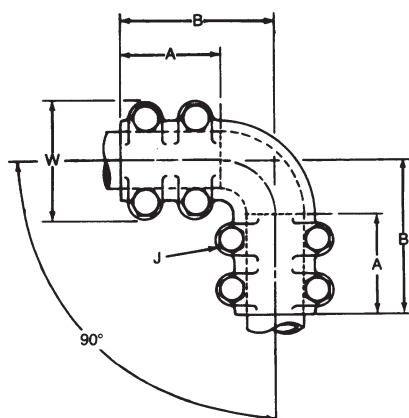
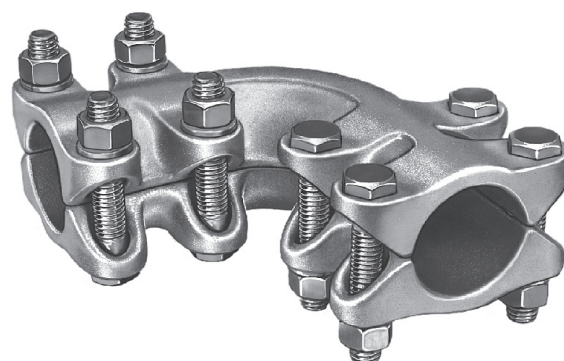
BOLTED ALUMINUM ANGLED

TUBE TO TUBE

ALUMINUM
AL90

Aluminum alloy angle coupler for connecting aluminumaluminum or aluminum-copper tubing at 90 degrees. Clamping bolts have hex-stops for one-wrench installation. Contact sealant is recommended.

Material: **Castings**—356-T6 aluminum alloy
Hardware—aluminum alloy



SB
1

Product Data & Conductor Size

CATALOG NUMBER	CONDUCTOR SIZE TUBING IPS/EHIPS		DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
	MAIN	TAP	A	B	W	J	
AL900606	3/4	3/4	2-1/2 (63.5)	3-15/16 (100.01)	3 (76.2)	1/2 (12.7)	1.8 (.82)
AL901010	1	1	2-3/4 (69.85)	4-7/16 (112.71)	3-1/4 (82.55)	1/2 (12.7)	2.2 (1.0)
AL901212	1-1/4	1-1/4	3 (76.2)	4-3/4 (120.65)	3-5/8 (92.08)	1/2 (12.7)	3.6 (1.63)
AL901414	1-1/2	1-1/2	3-5/16 (84.14)	5 (127.0)	3-7/8 (98.42)	1/2 (12.7)	4.5 (2.04)
AL902020	2	2	3-9/16 (90.49)	5-1/2 (139.7)	4-3/8 (111.12)	1/2 (12.7)	5.6 (2.54)
AL902424	2-1/2	2-1/2	3-7/8 (98.42)	5-3/4 (146.05)	4-7/8 (123.82)	1/2 (12.7)	8.4 (3.81)
AL903030	3	3	4-1/8 (104.78)	6-3/8 (161.92)	5-7/8 (149.22)	5/8 (15.88)	10.7 (4.85)
AL903434	3-1/2	3-1/2	4-3/8 (111.12)	6-7/8 (174.62)	6-3/8 (161.92)	5/8 (15.88)	12.0 (5.44)
AL904040	4	4	4-1/4 (107.95)	7-15/16 (201.61)	7 (177.8)	5/8 (15.88)	16.0 (7.26)
AL905050	5	5	5 (127.0)	9 (228.6)	8 (203.2)	5/8 (15.88)	18.0 (8.16)
AL906060	6	6	6 (152.4)	10-9/16 (268.29)	9-1/8 (231.78)	5/8 (15.88)	20.0 (9.07)

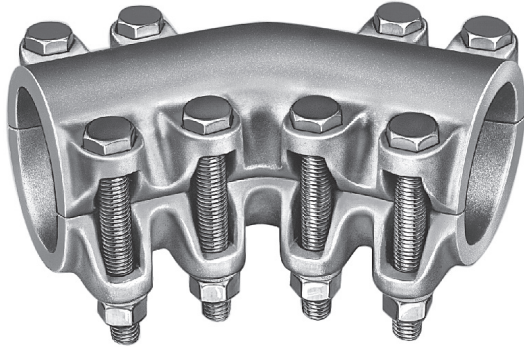


COUPLERS

BOLTED ALUMINUM ANGLED TUBE TO TUBE

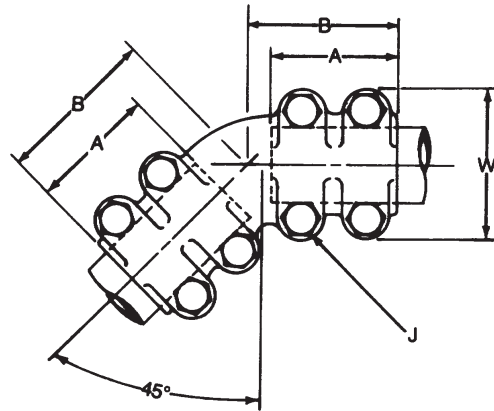
ALUMINUM

AL45



Aluminum alloy angle coupler for connecting aluminum-aluminum or aluminum-copper tubing at 45 degrees. Clamping bolts have hex-stops for one-wrench installation. Contact sealant is recommended.

Material: Castings—356-T6 aluminum alloy
Hardware—aluminum alloy



Product Data & Conductor Size

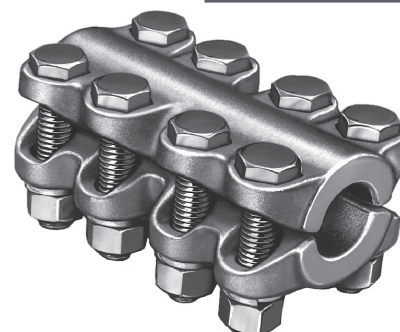
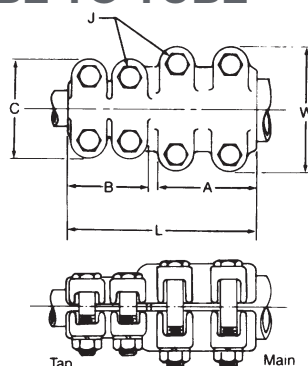
CATALOG NUMBER	CONDUCTOR SIZE TUBING IPS/EHIPS		DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
	MAIN	TAP	A	B	W	J	
AL450606	3/4	3/4	2-1/2 (63.5)	2-15/16 (74.61)	3 (76.2)	1/2 (12.7)	1.8 (.82)
AL451010	1	1	2-7/8 (73.02)	3-3/8 (85.72)	3-1/4 (82.55)	1/2 (12.7)	2.2 (1.0)
AL451212	1-1/4	1-1/4	3 (76.2)	3-9/16 (90.49)	3-5/8 (92.08)	1/2 (12.7)	3.6 (1.63)
AL451414	1-1/2	1-1/2	3-3/8 (85.72)	4 (101.6)	3-7/8 (98.42)	1/2 (12.7)	4.5 (2.04)
AL452020	2	2	3-1/2 (88.9)	4-3/8 (111.12)	4-3/8 (111.12)	1/2 (12.7)	5.6 (2.54)
AL452424	2-1/2	2-1/2	3-3/4 (95.25)	4-3/4 (120.65)	4-7/8 (123.82)	1/2 (12.7)	8.4 (3.81)
AL453030	3	3	4-1/8 (104.78)	5 (127.0)	5-7/8 (149.22)	5/8 (15.88)	10.7 (4.85)
AL453434	3-1/2	3-1/2	4-1/4 (107.95)	5-9/16 (141.29)	6-3/8 (161.92)	5/8 (15.88)	12.0 (5.44)
AL454040	4	4	4-1/4 (107.95)	5-11/16 (144.46)	7 (177.8)	5/8 (15.88)	16.0 (7.26)
AL456060	6	6	6 (152.4)	7-7/8 (200.02)	9-1/8 (231.78)	5/8 (15.88)	20.0 (9.07)

COUPLERS

BOLTED ALUMINUM STRAIGHT TUBE TO TUBE

ALUMINUM
ASTT

Aluminum alloy, tubing to tubing, straight coupler for connecting aluminum-aluminum or aluminum-copper conductor combinations. Clamping bolts have hex-stops for one-wrench installation. Contact sealant is recommended.



Material: Castings—356-T6 aluminum alloy
Hardware—aluminum alloy

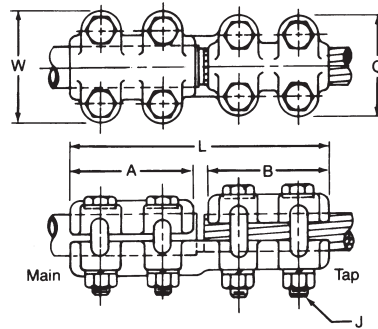
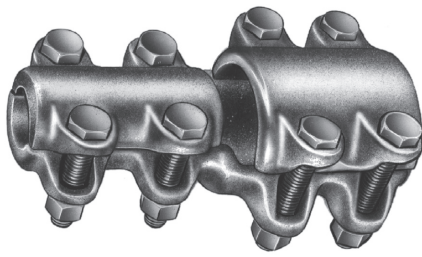
Product Data & Conductor Size

CATALOG NUMBER	CONDUCTOR RANGE TUBING IPS/EHIPS		DIMENSIONS INCHES (MM)						APPROX. WT. EACH LBS. (KG)
	MAIN	TAP	L	A	B	W	C	J	
ASTT0606	3/4	3/4	5-1/4 (133.35)	2-1/2 (63.5)	2-1/2 (63.5)	3 (76.2)	3 (76.2)	1/2 (12.7)	1.1 (.50)
ASTT1010	1	1	5-3/4 (146.05)	2-3/4 (69.85)	2-3/4 (69.85)	3-1/4 (82.55)	3-1/4 (82.55)	1/2 (12.7)	1.5 (.68)
ASTT1212	1-1/4	1-1/4	6-1/4 (158.75)	3 (76.2)	3 (76.2)	3-5/8 (92.08)	3-5/8 (92.08)	1/2 (12.7)	2.4 (1.09)
ASTT1414	1-1/2	1-1/2	6-3/4 (171.45)	3-1/4 (82.55)	3-1/4 (82.55)	3-7/8 (98.42)	3-7/8 (98.42)	1/2 (12.7)	2.8 (1.27)
ASTT2010	2	1	6-3/4 (171.45)	3-1/2 (88.9)	2-3/4 (69.85)	4-3/8 (111.12)	3-1/4 (82.55)	1/2 (12.7)	1.8 (.82)
ASTT2012	2	1-1/4	6-7/8 (174.62)	3-1/2 (88.9)	3 (76.2)	4-3/8 (111.12)	3-5/8 (92.08)	1/2 (12.7)	2.7 (1.22)
ASTT2014	2	1-1/2	7-1/8 (180.98)	3-1/2 (88.9)	3-1/4 (82.55)	4-3/8 (111.12)	3-7/8 (98.42)	1/2 (12.7)	3.2 (1.45)
ASTT2020	2	2	7-1/4 (184.15)	3-1/2 (88.9)	3-1/2 (88.9)	4-3/8 (111.12)	4-3/8 (111.12)	1/2 (12.7)	3.4 (1.54)
ASTT2414	2-1/2	1-1/2	7-1/2 (190.5)	3-3/4 (95.25)	3-1/4 (82.55)	4-7/8 (123.82)	3-7/8 (98.42)	1/2 (12.7)	3.3 (1.50)
ASTT2420	2-1/2	2	7-3/8 (187.32)	3-3/4 (95.25)	3-1/2 (88.9)	4-7/8 (123.82)	4-3/8 (111.12)	1/2 (12.7)	3.5 (1.59)
ASTT2424	2-1/2	2-1/2	7-3/4 (196.85)	3-3/4 (95.25)	3-3/4 (95.25)	5-1/4 (133.35)	5-1/4 (133.35)	1/2 (12.7)	3.7 (1.69)
ASTT3020	3	2	8 (203.2)	4 (101.6)	3-1/4 (82.55)	5-1/2 (133.35)	4-3/8 (111.12)	1/2 (12.7)	3.9 (1.77)
ASTT3024	3	2-1/2	8-1/4 (209.55)	4 (101.6)	3-1/2 (88.9)	5-1/2 (133.35)	4-7/8 (123.82)	1/2 (12.7)	4.0 (1.81)
ASTT3030	3	3	8-1/4 (209.55)	4 (101.6)	3-3/4 (95.25)	5-7/8 (149.22)	5-7/8 (149.22)	1/2 (12.7)	6.0 (2.72)
ASTT3420	3-1/2	2	8 (203.2)	4-1/4 (107.95)	4 (101.6)	6 (152.4)	4-3/8 (111.12)	1/2 (12.7)	4.5 (2.04)
ASTT3430	3-1/2	3	8-3/4 (222.25)	4-1/4 (107.95)	4 (101.6)	6-3/8 (161.92)	5-7/8 (149.22)	5/8 (15.88)	6.4 (2.90)
ASTT3434	3-1/2	3-1/2	8-3/4 (222.25)	4-1/4 (107.95)	4-1/4 (107.95)	6-3/8 (161.92)	6-3/8 (161.92)	5/8 (15.88)	7.6 (3.45)
ASTT4030	4	3	8-3/4 (222.25)	4-1/4 (107.95)	4 (101.6)	7 (177.8)	5-7/8 (149.22)	5/8 (15.88)	7.6 (3.45)
ASTT4034	4	3-1/2	9 (228.6)	4-1/4 (107.95)	4-1/4 (107.95)	7 (177.8)	6-3/8 (161.92)	5/8 (15.88)	8.1 (3.67)
ASTT4040	4	4	8-3/4 (222.25)	4-1/4 (107.95)	4-1/4 (107.95)	7 (177.8)	7 (177.8)	5/8 (15.88)	9.7 (4.40)
ASTT5050	5	5	10-1/4 (260.35)	5 (127)	5 (127)	8 (203.2)	8 (203.2)	5/8 (15.88)	10.6 (4.81)
ASTT6060	6	6	12 (304.8)	6 (152.4)	6 (152.4)	9-1/8 (231.78)	9-1/8 (231.78)	5/8 (15.88)	12 (5.44)



COUPLERS

BOLTED ALUMINUM STRAIGHT TUBE TO CABLE



Aluminum alloy, cable to tubing, straight coupler for connecting aluminum—aluminum or aluminum—copper conductor combinations. Clamping bolts have hex-stops for one-wrench installation. Contact sealant is recommended.

Material: Castings—356-T6 aluminum alloy
Hardware—aluminum alloy

Product Data & Conductor Size

CATALOG NUMBER	CONDUCTOR RANGE				DIMENSIONS INCHES (MM)						APPROX. WT. EACH LBS. (KG)
	TUBING MAIN IPS/EHIPS	CABLE TAP			L	A	B	W	C	J	
		AAC	ACSR	DIA.							
*ASTC066	3/4	#4-250 MCM	#4-4/0 Str.	.232-.575 (5.89-14.60)	5-3/4 (146.05)	2-1/2 (63.5)	3 (76.2)	3 (76.2)	2-1/2 (63.5)	1/2 (12.7)	1.0 (.45)
ASTC067	3/4	250-400 MCM	4/0-336.4 MCM	.563-.744 (14.30-18.90)	6 (152.4)	2-1/2 (63.5)	3 (76.2)	3 (76.2)	2-1/2 (63.5)	1/2 (12.7)	1.1 (.50)
ASTC069	3/4	350-600 MCM	336.4-477 MCM	.681-.893 (17.30-22.68)	6-1/4 (158.75)	2-1/2 (63.5)	3-1/4 (82.55)	3 (76.2)	2-3/4 (69.85)	1/2 (12.7)	1.2 (.54)
*ASTC106	1	#4-250 MCM	#4-4/0 Str.	.232-.575 (5.89-14.60)	6-1/4 (158.75)	2-3/4 (69.85)	3 (76.2)	3-1/4 (82.55)	2-1/2 (63.5)	1/2 (12.7)	1.1 (.50)
ASTC107	1	250-400 MCM	4/0-336.4 MCM	.563-.744 (14.30-18.90)	6-1/4 (158.75)	2-3/4 (69.85)	3 (76.2)	3-1/4 (82.55)	2-1/2 (63.5)	1/2 (12.7)	1.2 (.54)
ASTC109	1	350-600 MCM	336.4-477 MCM	.681-.893 (17.30-22.68)	6-1/2 (165.1)	2-3/4 (69.85)	3-1/4 (82.55)	3-1/4 (82.55)	2-3/4 (69.85)	1/2 (12.7)	1.4 (.64)
ASTC1011	1	600-900 MCM	556.5-795 MCM	.870-1.108 (22.10-28.14)	6-3/8 (161.92)	2-3/4 (69.85)	3-1/2 (88.9)	3-1/4 (82.55)	3 (76.2)	1/2 (12.7)	1.7 (.77)
*ASTC126	1-1/4	#4-250 MCM	#4-4/0 MCM	.232-.575 (5.89-14.60)	6-5/8 (168.28)	3 (76.2)	3 (76.2)	3-5/8 (92.08)	2-1/2 (63.5)	1/2 (12.7)	1.2 (.54)
ASTC127	1-1/4	250-400 MCM	4/0-336.4 MCM	.563-.744 (14.30-18.90)	6-1/2 (165.1)	3 (76.2)	3 (76.2)	3-5/8 (92.08)	2-1/2 (63.5)	1/2 (12.7)	1.3 (.59)
ASTC129	1-1/4	350-600 MCM	336.4-477 MCM	.681-.893 (17.30-22.68)	6-3/4 (171.45)	3 (76.2)	3-1/4 (82.55)	3-5/8 (92.08)	2-3/4 (69.85)	1/2 (12.7)	1.6 (.72)
ASTC1211	1-1/4	600-900 MCM	556.5-795 MCM	.870-1.108 (22.10-28.14)	7 (177.8)	3 (76.2)	3-1/2 (88.9)	3-5/8 (92.08)	3 (76.2)	1/2 (12.7)	1.9 (.86)
*ASTC146	1-1/2	#4-250 MCM	#4-4/0 MCM	.232-.575 (5.89-14.60)	6-3/4 (171.45)	3-1/4 (82.55)	3 (76.2)	3-7/8 (98.42)	2-1/2 (63.5)	1/2 (12.7)	1.2 (.54)
ASTC147	1-1/2	250-400 MCM	4/0-336.4 MCM	.563-.744 (14.30-18.90)	6-3/4 (171.45)	3-1/4 (82.55)	3 (76.2)	3-7/8 (98.42)	2-1/2 (63.5)	1/2 (12.7)	1.3 (.59)
ASTC149	1-1/2	350-600 MCM	336.4-477 MCM	.681-.893 (17.30-22.68)	7 (177.8)	3-1/4 (82.55)	3-1/4 (82.55)	3-7/8 (98.42)	2-3/4 (69.85)	1/2 (12.7)	1.5 (.68)
ASTC1411	1-1/2	600-900 MCM	556.5-795 MCM	.870-1.108 (22.10-28.14)	7-1/4 (184.15)	3-1/4 (82.55)	3-1/2 (88.9)	3-7/8 (98.42)	3 (76.2)	1/2 (12.7)	2.0 (.91)
ASTC1413	1-1/2	900-1250 MCM	715.5-1113 MCM	1.081-1.295 (27.46-32.84)	7-1/2 (190.5)	3-1/4 (82.55)	3-3/4 (95.25)	3-7/8 (98.42)	3-1/4 (82.55)	1/2 (12.7)	2.4 (1.09)

*Furnished with reversible cable caps.

Continued on next page.

COUPLERS BOLTED ALUMINUM STRAIGHT TUBE TO CABLE (CONTINUED)

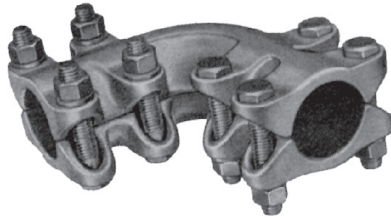
Product Data & Conductor Size

CATALOG NUMBER	CONDUCTOR RANGE				DIMENSIONS INCHES (MM)						APPROX. WT. EACH LBS. (KG)
	TUBING MAIN IPS/EHIPS	CABLE TAP			L	A	B	W	C	J	
		AAC	ACSR	DIA.							
ASTC207	2	250-400 MCM	4/0-336.4 MCM	.563-.744 (14.30-18.90)	6-7/8 (174.62)	3-1/2 (88.9)	3 (76.2)	4-3/8 (111.12)	2-1/2 (63.5)	1/2 (12.7)	1.5 (.68)
ASTC209	2	350-600 MCM	336.4-477 MCM	.681-.893 (17.30-22.68)	7-1/4 (184.15)	3-1/2 (88.9)	3-1/4 (82.55)	4-3/8 (111.12)	2-3/4 (69.85)	1/2 (12.7)	1.6 (.72)
ASTC2011	2	600-900 MCM	556.5-795 MCM	.870-1.108 (22.10-28.14)	7-1/2 (190.5)	3-1/2 (88.9)	3-1/2 (88.9)	4-3/8 (111.12)	3 (76.2)	1/2 (12.7)	2.3 (1.04)
ASTC2013	2	900-1250 MCM	715.5-1113 MCM	1.081-1.293 (27.46- 32.84)	7-3/4 (196.85)	3-1/2 (88.9)	3-3/4 (95.25)	4-3/8 (111.12)	3-1/4 (82.55)	1/2 (12.7)	2.6 (1.18)
ASTC247	2-1/2	250-400 MCM	4/0-336.4 MCM	.563-.744 (14.30-18.90)	7-1/4 (184.15)	3-3/4 (95.25)	3 (76.2)	4-7/8 (123.82)	2-1/2 (63.5)	1/2 (12.7)	1.8 (.82)
ASTC249	2-1/2	350-600 MCM	336.4-477 MCM	.681-.893 (17.30-22.68)	7-1/2 (190.5)	3-3/4 (95.25)	3-1/4 (82.55)	4-7/8 (123.82)	2-3/4 (69.85)	1/2 (12.7)	1.9 (.86)
ASTC2411	2-1/2	600-900 MCM	556.5-795 MCM	.870-1.108 (22.10-28.14)	7-3/4 (196.85)	3-3/4 (95.25)	3-1/2 (88.9)	4-7/8 (123.82)	3 (76.2)	1/2 (12.7)	2.6 (1.18)
ASTC2413	2-1/2	900-1250 MCM	715.5-1113 MCM	1.081-1.293 (27.46- 32.84)	8-1/8 (206.38)	3-3/4 (95.25)	3-3/4 (95.25)	4-7/8 (123.82)	3-1/4 (82.55)	1/2 (12.7)	3.0 (1.36)
ASTC2415	2-1/2	1250-1600 MCM	1113-1272 MCM	1.289-1.459 (32.74-37.06)	8-1/2 (206.38)	3-3/4 (95.25)	4-1/4 (107.95)	5-1/4 (133.35)	3-3/4 (95.25)	5/8 (15.88)	3.4 (1.54)
ASTC307	3	250-400 MCM	4/0-336.4 MCM	.563-.744 (14.30-18.90)	7-1/2 (190.5)	4 (101.6)	3 (76.2)	5-1/2 (139.7)	2-1/2 (63.5)	1/2 (12.7)	2.2 (1.0)
ASTC309	3	350-600 MCM	336.4-477 MCM	.681-.893 (17.30-22.68)	7-3/4 (196.85)	4 (101.6)	3-1/4 (82.55)	5-1/2 (139.7)	2-3/4 (69.85)	1/2 (12.7)	2.3 (1.04)
ASTC3011	3	600-900 MCM	556.5-795 MCM	.870-1.108 (22.10-28.14)	8 (203.2)	4 (101.6)	3-1/2 (88.9)	5-1/2 (139.7)	3 (76.2)	1/2 (12.7)	2.9 (1.32)
ASTC3013	3	900-1250 MCM	715.5-1113 MCM	1.081-1.293 (27.46- 32.84)	8-1/4 (209.55)	4 (101.6)	3-3/4 (95.25)	5-1/2 (139.7)	3-1/4 (82.55)	1/2 (12.7)	3.2 (1.45)
ASTC3015	3	1250-1600 MCM	1113-1272 MCM	1.289-1.459 (32.74-37.06)	8-7/8 (225.42)	4 (101.6)	4-1/4 (107.95)	5-7/8 (149.22)	3-3/4 (95.25)	5/8 (15.88)	3.6 (1.63)
ASTC349	3-1/2	350-600 MCM	336.4-477 MCM	.681-.893 (17.30-22.68)	8-1/8 (206.38)	4-1/4 (107.95)	3-1/4 (82.55)	6 (152.4)	2-3/4 (69.85)	1/2 (12.7)	2.7 (1.22)
ASTC3411	3-1/2	600-900 MCM	556.5-795 MCM	.870-1.108 (22.10-28.14)	8-1/4 (209.55)	4-1/4 (107.95)	3-1/2 (88.9)	6 (152.4)	3 (76.2)	1/2 (12.7)	3.1 (1.41)
ASTC3413	3-1/2	900-1250 MCM	715.5-1113 MCM	1.081-1.293 (27.46- 32.84)	8-3/4 (222.25)	4-1/4 (107.95)	3-3/4 (95.25)	6 (152.4)	3-1/4 (82.55)	1/2 (12.7)	3.4 (1.54)
ASTC3415	3-1/2	1250-1600 MCM	1113-1272 MCM	1.289-1.459 (32.74-37.06)	9-1/8 (231.78)	4-1/4 (107.95)	4-1/4 (107.95)	6-3/8 (161.92)	3-3/4 (95.25)	5/8 (15.88)	3.9 (1.77)
ASTC409	4	350-600 MCM	336.4-477 MCM	.681-.893 (17.30-22.68)	8-1/8 (206.38)	4-1/4 (107.95)	3-1/4 (82.55)	6-5/8 (168.28)	2-3/4 (69.85)	1/2 (12.7)	3.7 (1.68)
ASTC4011	4	600-900 MCM	556.5-795 MCM	.870-1.108 (22.10-28.14)	8-1/4 (209.55)	4-1/4 (107.95)	3-1/2 (88.9)	6-5/8 (168.28)	3 (76.2)	1/2 (12.7)	4.3 (1.95)
ASTC4013	4	900-1250 MCM	715.5-1113 MCM	1.081-1.293 (27.46- 32.84)	8-5/8 (219.08)	4-1/4 (107.95)	3-3/4 (95.25)	6-5/8 (168.28)	3-1/4 (82.55)	1/2 (12.7)	4.5 (2.04)
ASTC4015	4	1250-1600 MCM	1113-1272 MCM	1.289-1.459 (32.74-37.06)	9-1/8 (231.78)	4-1/4 (107.95)	4-1/4 (107.95)	7 (177.8)	3-3/4 (95.25)	5/8 (15.88)	5.0 (2.27)
ASTC4016	4	1500-2000 MCM	1272-1590 MCM	1.382-1.632 (35.10-41.45)	9-3/8 (238.12)	4-1/4 (107.95)	4-1/2 (114.3)	7 (177.8)	4 (101.6)	5/8 (15.88)	5.5 (2.49)



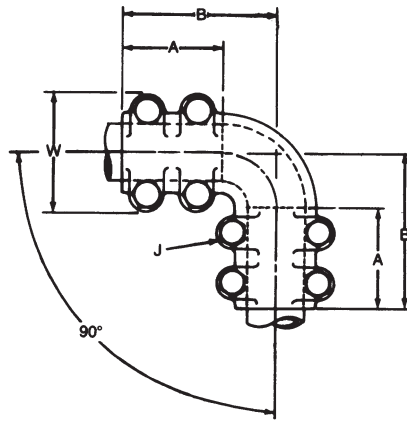
BRONZE

L90



Bronze alloy coupler for connecting copper tubular bus at 90 degrees. Clamping bolts have hex-stops for one-wrench installation.

Material: Castings—bronze alloy
Hardware—silicon bronze or stainless steel



Product Data & Conductor Size

CATALOG NUMBER	COPPER CONDUCTOR SIZE TUBING IPS		DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
	MAIN	TAP	A	B	W	J	
L900606	3/4	3/4	2-1/8 (53.98)	3-1/16 (77.79)	2-15/16 (74.61)	1/2 (12.7)	3.6 (1.63)
L901010	1	1	2-5/16 (58.74)	3-3/4 (95.25)	3-3/16 (80.96)	1/2 (12.7)	5.0 (2.27)
L901212	1-1/4	1-1/4	2-3/4 (69.85)	4-3/4 (120.65)	3-9/16 (90.49)	1/2 (12.7)	7.2 (3.26)
L901414	1-1/2	1-1/2	2-7/8 (73.02)	4-7/8 (123.82)	3-13/16 (96.84)	1/2 (12.7)	9.1 (4.13)
L902020	2	2	3-1/4 (82.55)	5-3/8 (136.52)	4-1/2 (114.3)	1/2 (12.7)	11.3 (5.12)
L902424	2-1/2	2-1/2	3-5/8 (92.08)	6-1/4 (158.75)	4-3/4 (120.65)	1/2 (12.7)	16.8 (7.62)
L902424	3	3	3-3/4 (95.25)	6-13/16 (173.04)	5-7/8 (149.22)	5/8 (15.88)	21.5 (9.75)
L903434	3-1/2	3-1/2	3-5/8 (92.08)	6-1/2 (165.1)	6-5/16 (160.34)	5/8 (15.88)	24.0 (10.89)

COUPLERS BOLTED BRONZE ANGLED TUBE TO TUBE

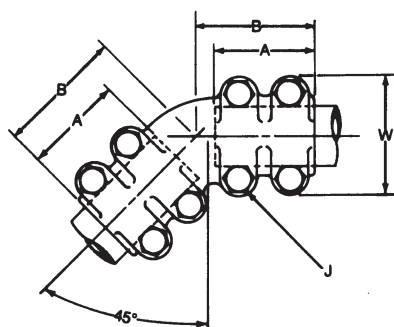
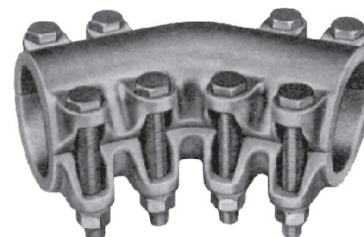
BRONZE

L45

Bronze alloy coupler for connecting copper tubular bus at 45 degrees. Clamping bolts have hex-stops for one-wrench installation.

Material: Castings—bronze alloy

Hardware—silicon bronze or stainless steel



SB
7

Product Data & Conductor Size

CATALOG NUMBER	COPPER CONDUCTOR SIZE TUBING IPS		DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
	MAIN	TAP	A	B	W	J	
L450606	3/4	3/4	2-1/2 (63.5)	3 (76.2)	3 (76.2)	1/2 (12.7)	3.6 (1.63)
L451010	1	1	2-7/8 (73.02)	3-3/8 (85.72)	3-1/4 (82.55)	1/2 (12.7)	5.0 (2.27)
L451212	1-1/4	1-1/4	2-3/4 (69.85)	3-1/2 (88.9)	3-9/16 (90.49)	1/2 (12.7)	7.2 (3.26)
L451414	1-1/2	1-1/2	3 (76.2)	3-13/16 (96.84)	3-7/8 (98.42)	1/2 (12.7)	9.1 (4.13)
L452020	2	2	3-3/8 (85.72)	4-1/16 (103.19)	4-1/2 (114.3)	1/2 (12.7)	11.3 (5.12)
L452424	2-1/2	2-1/2	3-7/8 (98.42)	4-1/2 (114.3)	4-3/4 (120.65)	1/2 (12.7)	16.8 (7.62)
L453030	3	3	3-1/2 (88.9)	4-11/16 (119.06)	5-13/16 (147.64)	5/8 (15.88)	21.5 (9.75)
L453434	3-1/2	3-1/2	3-5/8 (92.08)	4-3/4 (120.65)	6-5/16 (160.34)	5/8 (15.88)	24.0 (10.89)

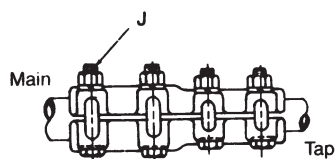
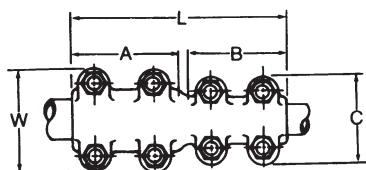
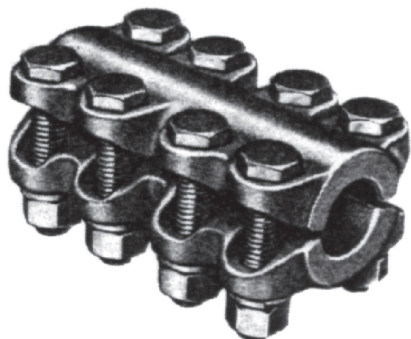


COUPLERS BOLTED BRONZE TUBE TO TUBE

BRONZE
STTH

Bronze alloy, heavy duty coupler for connecting copper tubular bus. Clamping bolts have hex-stops for one-wrench installation.

Material: Castings—bronze alloy
Hardware—silicon bronze or stainless steel



Product Data & Conductor Size

CATALOG NUMBER	COPPER CONDUCTOR SIZE TUBING IPS		DIMENSIONS INCHES (MM)						APPROX. WT. EACH LBS. (KG)
	MAIN	TAP	L	A	B	W	C	J	
STTH0604	3/4	1/2	5-1/4 (133.35)	2-1/2 (63.5)	2-1/2 (63.5)	3 (76.2)	2-3/4 (69.85)	1/2 (12.7)	2.3 (1.04)
STTH0606	3/4	3/4	5 (127.0)	2-1/2 (63.5)	2-1/2 (63.5)	3 (76.2)	3 (76.2)	1/2 (12.7)	2.5 (1.13)
STTH1006	1	3/4	5-1/4 (133.35)	2-1/2 (63.5)	2-1/2 (63.5)	3-1/4 (82.55)	3 (76.2)	1/2 (12.7)	3.3 (1.50)
STTH1010	1	1	5 (127.0)	2-1/2 (63.5)	2-1/2 (63.5)	3-1/4 (82.55)	3-1/4 (82.55)	1/2 (12.7)	3.8 (1.72)
STTH1206	1-1/4	3/4	5-1/2 (139.7)	2-3/4 (69.85)	2-1/2 (63.5)	3-5/8 (92.08)	3 (76.2)	1/2 (12.7)	3.3 (1.50)
STTH1210	1-1/4	1	5-3/8 (136.52)	2-3/4 (69.85)	2-1/2 (63.5)	3-5/8 (92.08)	3-1/4 (82.55)	1/2 (12.7)	4.9 (2.22)
STTH1212	1-1/4	1-1/4	5-5/8 (142.88)	2-3/4 (69.85)	2-3/4 (69.85)	3-5/8 (92.08)	3-5/8 (92.08)	1/2 (12.7)	6.1 (2.77)
STTH1406	1-1/2	3/4	5-1/2 (139.7)	2-3/4 (69.85)	2-1/2 (63.5)	3-7/8 (98.42)	3 (76.2)	1/2 (12.7)	3.8 (1.72)
STTH1410	1-1/2	1	5 (127.0)	2-3/8 (60.32)	2-3/8 (60.32)	3-7/8 (98.42)	3-1/4 (82.55)	1/2 (12.7)	4.1 (1.86)
STTH1412	1-1/2	1-1/4	5-5/8 (142.88)	2-3/4 (69.85)	2-3/4 (69.85)	3-7/8 (98.42)	3-5/8 (92.08)	1/2 (12.7)	6.4 (2.90)
STTH1414	1-1/2	1-1/2	5-5/8 (142.88)	2-5/8 (66.68)	2-5/8 (66.68)	3-3/4 (95.25)	3-3/4 (95.25)	1/2 (12.7)	7.0 (3.18)
STTH2006	2	3/4	5 (127.0)	2-1/4 (57.15)	2-3/8 (60.32)	4-1/2 (114.3)	3 (76.2)	1/2 (12.7)	4.2 (1.91)
STTH2010	2	1	5 (127.0)	2-3/8 (60.32)	2-3/8 (60.32)	4-3/8 (111.12)	3-1/4 (82.55)	1/2 (12.7)	4.5 (2.04)
STTH2012	2	1-1/4	5-5/8 (142.88)	2-5/8 (66.68)	2-5/8 (66.68)	4-1/2 (114.3)	3-3/8 (85.72)	1/2 (12.7)	6.8 (3.08)

Continued on next page.

COUPLERS BOLTED BRONZE TUBE TO TUBE (CONTINUED)

Product Data & Conductor Size									
CATALOG NUMBER	COPPER CONDUCTOR SIZE TUBING IPS		DIMENSIONS INCHES (MM)						APPROX. WT. EACH LBS. (KG)
	MAIN	TAP	L	A	B	W	C	J	
STTH2014	2	1-1/2	5-5/8 (142.88)	2-5/8 (66.68)	2-5/8 (66.68)	4-3/8 (111.12)	3-7/8 (98.42)	1/2 (12.7)	8.2 (3.72)
STTH2020	2	2	5-5/8 (142.88)	2-5/8 (66.68)	2-5/8 (66.68)	4-1/2 (114.3)	4-1/2 (114.3)	1/2 (12.7)	8.5 (3.86)
STTH2406	2-1/2	3/4	6-1/8 (155.58)	3-1/4 (82.55)	2-1/2 (63.5)	4-3/4 (120.65)	3 (76.2)	1/2 (12.7)	4.7 (2.13)
STTH2410	2-1/2	1	6-1/4 (158.75)	3-1/4 (82.55)	2-1/2 (63.5)	4-3/4 (120.65)	3-1/4 (82.55)	1/2 (12.7)	4.8 (2.18)
STTH2412	2-1/2	1-1/4	6 (152.4)	3-1/4 (82.55)	2-3/4 (69.85)	4-3/4 (120.65)	3-5/8 (92.08)	1/2 (12.7)	7.8 (3.54)
STTH2414	2-1/2	1-1/2	5-5/8 (142.88)	2-5/8 (66.68)	2-5/8 (66.68)	4-3/4 (120.65)	3-3/4 (95.25)	1/2 (12.7)	8.3 (3.76)
STTH2420	2-1/2	2	5-5/8 (142.88)	2-5/8 (66.68)	2-5/8 (66.68)	4-3/4 (120.65)	4-1/2 (114.3)	1/2 (12.7)	8.7 (3.95)
STTH2424	2-1/2	2-1/2	5-5/8 (142.88)	2-5/8 (66.68)	2-5/8 (66.68)	4-7/8 (123.82)	4-7/8 (123.82)	1/2 (12.7)	9.1 (4.13)
STTH3020	3	2	5-5/8 (142.88)	2-5/8 (66.68)	2-5/8 (66.68)	5-1/4 (133.35)	4-1/2 (114.3)	1/2 (12.7)	9.5 (4.31)
STTH3024	3	2-1/2	5-5/8 (142.88)	2-5/8 (66.68)	2-5/8 (66.68)	5-1/2 (139.7)	4-7/8 (123.82)	1/2 (12.7)	10.0 (4.54)
STTH3030	3	3	7-1/2 (190.5)	3-1/2 (88.9)	3-1/2 (88.9)	5-7/8 (149.22)	5-7/8 (149.22)	5/8 (15.88)	17.0 (7.71)
STTH3434	3-1/2	3-1/2	7-1/4 (184.15)	3-1/2 (88.9)	3-1/2 (88.9)	6-3/8 (161.92)	6-3/8 (161.92)	5/8 (15.88)	20.5 (9.30)
STTH4020	4	2	5-5/8 (142.88)	2-1/2 (63.5)	2-1/2 (63.5)	6-5/8 (168.28)	4-1/2 (114.3)	1/2 (12.7)	11.8 (5.35)
STTH4030	4	3	7-5/8 (193.68)	4 (101.6)	3-1/2 (88.9)	7 (177.8)	5-7/8 (149.22)	5/8 (15.88)	19.0 (8.62)
STTH4040	4	4	6-3/4 (171.45)	3-1/4 (82.55)	3-1/4 (82.55)	7 (177.8)	7 (177.8)	5/8 (15.88)	25.0 (11.34)



COUPLERS BOLTED BRONZE TUBE TO CABLE

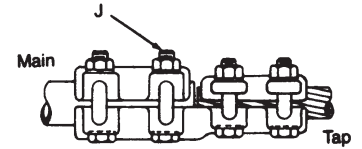
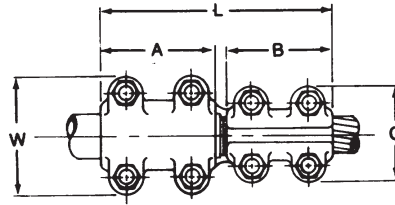
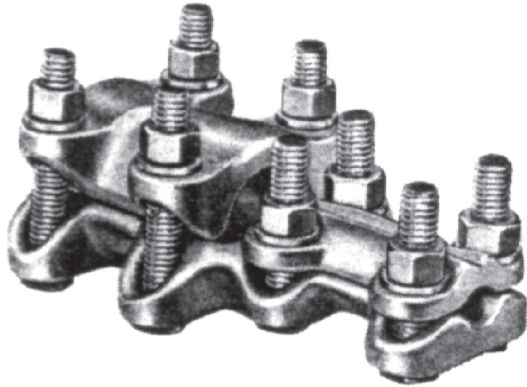
BRONZE

STC8

Bronze alloy coupler for connecting copper tubing to copper cable. Clamping bolts have hex-stops for onewrench installation. All sizes furnished with reversible cable caps.

Material: Castings—bronze alloy

Hardware—silicon bronze or stainless steel



Product Data & Conductor Size

CATALOG NUMBER	COPPER CONDUCTOR RANGE			DIMENSIONS INCHES (MM)						APPROX. WT. EACH LBS. (KG)
	TUBING MAIN IPS	CABLE TAP	CABLE DIA.	L	A	B	W	C	J	
STC8040253	1/2	#4 Sol.-250 MCM	.204-.575 (5.18-14.60)	5-3/8 (136.52)	2-1/2 (63.5)	2-1/2 (63.5)	2-1/4 (57.15)	1-7/8 (47.62)	3/8 (9.52)	2.1 (.95)
STC806025	3/4	#4 Sol.-250 MCM	.204-.575 (5.18-14.60)	5-1/8 (130.18)	2-1/2 (63.5)	2-1/2 (63.5)	3 (76.2)	3 (76.2)	1/2 (12.7)	3.1 (1.41)
STC8060253	3/4	#4 Sol.-250 MCM	.204-.575 (5.18-14.60)	5-1/2 (139.7)	2-1/2 (63.5)	2-3/4 (69.85)	2-1/2 (63.5)	1-7/8 (47.62)	3/8 (9.52)	2.7 (1.22)
STC806050	3/4	1/0 Sol.—500 MCM	.325-.813 (8.26-20.65)	5-5/8 (142.88)	2-1/2 (63.5)	2-3/4 (69.85)	3 (76.2)	2-1/2 (63.5)	1/2 (12.7)	3.5 (1.59)
STC810025	1	#4 Sol.-250 MCM	.204-.575 (5.18-14.60)	5-3/8 (136.52)	2-1/2 (63.5)	2-1/2 (63.5)	3-1/4 (82.55)	2-1/4 (57.15)	1/2 (12.7)	2.9 (1.32)
STC8100253	1	#4 Sol.-250 MCM	.204-.575 (5.18-14.60)	5-3/8 (136.52)	2-1/2 (63.5)	2-1/2 (63.5)	2-7/8 (73.02)	1-7/8 (47.62)	3/8 (9.52)	2.5 (1.13)
STC810050	1	1/0 Sol.—500 MCM	.325-.813 (8.26-20.65)	5-3/4 (146.05)	2-1/2 (63.5)	2-3/4 (69.85)	3-1/4 (82.55)	2-1/2 (63.5)	1/2 (12.7)	3.7 (1.68)
STC810080	1	2/0 Sol.—800 MCM	.365-1.031 (9.27-26.19)	6-3/4 (171.45)	3-3/4 (95.25)	2-3/4 (69.85)	3-1/4 (82.55)	2-7/8 (73.02)	1/2 (12.7)	3.7 (1.68)
STC810100	1	4/0 Str.—1000 MCM	.522-1.152 (13.26-29.26)	7-3/8 (187.32)	3-3/4 (95.25)	3-1/2 (88.9)	3-1/4 (82.55)	2-7/8 (73.02)	1/2 (12.7)	4.1 (1.86)
STC812025	1-1/4	#4 Sol.-250 MCM	.204-.575 (5.18-14.60)	5 (127.0)	2-1/4 (57.15)	2-1/2 (63.5)	3-3/8 (85.72)	3 (76.2)	1/2 (12.7)	3.4 (1.54)
STC8120253	1-1/4	#4 Sol.-250 MCM	.204-.575 (5.18-14.60)	5-1/4 (133.35)	2-1/4 (57.15)	2-3/4 (69.85)	3-1/8 (79.38)	1-7/8 (47.62)	1/2 (12.7)	2.8 (1.27)
STC812050	1-1/4	1/0 Sol.—500 MCM	.325-.813 (8.26-20.65)	5-7/8 (149.22)	2-3/4 (69.85)	2-3/4 (69.85)	3-5/8 (92.08)	2-1/2 (63.5)	1/2 (12.7)	3.8 (1.72)
STC812080	1-1/4	2/0 Sol.—800 MCM	.365-1.031 (9.27-26.19)	5-3/4 (146.05)	2-3/4 (69.85)	2-3/4 (69.85)	3-5/8 (92.08)	2-7/8 (73.02)	1/2 (12.7)	4.6 (2.09)
STC812100	1-1/4	4/0 Str.—1000 MCM	.522-1.152 (13.26-29.26)	7-1/2 (190.5)	3-3/4 (95.25)	3-1/2 (88.9)	3-5/8 (92.08)	2-7/8 (73.02)	1/2 (12.7)	5.0 (2.28)
STC814025	1-1/2	#4 Sol.-250 MCM	.204-.575 (5.18-14.60)	5-5/8 (142.88)	2-3/4 (69.85)	2-1/2 (63.5)	3-3/4 (95.25)	2-3/8 (60.32)	1/2 (12.7)	5.5 (2.49)
STC814050	1-1/2	1/0 Sol.—500 MCM	.325-.813 (8.26-20.65)	5-3/4 (146.05)	2-3/4 (69.85)	2-3/4 (69.85)	3-3/4 (95.25)	2-1/2 (63.5)	1/2 (12.7)	5.2 (2.36)

Continued on next page.

COUPLERS BOLTED BRONZE TUBE TO CABLE (CONTINUED)

Product Data & Conductor Size

CATALOG NUMBER	COPPER CONDUCTOR RANGE			DIMENSIONS INCHES (MM)						APPROX. WT. EACH LBS. (KG)
	TUBING MAIN IPS	CABLE TAP	CABLE DIA.	L	A	B	W	C	J	
STC814080	1-1/2	2/0 Sol.—800 MCM	.365-1.031 (9.27-26.19)	5-3/4 (146.05)	2-3/4 (69.85)	2-3/4 (69.85)	3-7/8 (98.42)	2-7/8 (73.02)	1/2 (12.7)	5.7 (2.58)
STC814100	1-1/2	4/0 Str.—1000 MCM	.522-1.152 (184.15)	7-1/4 (184.15)	3-1/4 (82.55)	3-1/2 (88.9)	3-3/4 (95.25)	2-7/8 (73.02)	1/2 (12.7)	7.4 (3.36)
STC814150	1-1/2	250—1500 MCM	.574-1.412 (14.58-35.86)	7-1/2 (190.5)	3-1/2 (88.9)	3-3/4 (95.25)	3-1/4 (82.55)	3-1/8 (79.38)	1/2 (12.7)	7.4 (3.36)
STC820025	2	#4 Sol.-250 MCM	.204-.575 (5.18-14.60)	5-1/8 (130.18)	2-1/4 (57.15)	2-1/2 (63.5)	4-1/2 (114.3)	2-1/4 (57.15)	1/2 (12.7)	5.4 (2.45)
STC820050	2	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)	4-1/2 (114.3)	2-1/2 (63.5)	1/2 (12.7)	5.7 (2.58)
STC820080	2	2/0 Sol.-800 MCM	.365-1.031 (9.27-26.19)	5-1/4 (133.35)	2-1/4 (57.15)	2-3/4 (69.85)	4-1/2 (114.3)	2-7/8 (73.02)	1/2 (12.7)	6.5 (2.95)
STC820100	2	4/0 Str.-1000 MCM	.522-1.152 (13.26-29.26)	7-1/8 (180.98)	3-1/4 (82.55)	3-1/2 (88.9)	4-1/2 (114.3)	2-7/8 (73.02)	1/2 (12.7)	7.3 (3.31)
STC820150	2	250—1500 MCM	.574-1.412 (14.58-35.86)	7-1/8 (180.98)	3-1/4 (82.55)	3-3/4 (95.25)	4-1/2 (114.3)	3-3/8 (85.72)	1/2 (12.7)	8.5 (3.85)
STC824025	2-1/2	#4 Sol.-250 MCM	.204-.575 (5.18-14.60)	5-1/2 (139.7)	2-1/2 (63.5)	2-1/2 (63.5)	4-7/8 (123.82)	2-3/8 (60.32)	1/2 (12.7)	6.7 (3.04)
STC824050	2-1/2	1/0 Sol.—500 MCM	.325-.813 (8.26-20.65)	6-1/2 (165.1)	3-1/4 (82.55)	2-3/4 (69.85)	4-3/4 (120.65)	2-1/2 (63.5)	1/2 (12.7)	8.0 (3.63)
STC824080	2-1/2	2/0 Sol.-800 MCM	.365-1.031 (9.27-26.19)	6 (152.4)	2-3/4 (69.85)	2-3/4 (69.85)	4-3/4 (120.65)	2-7/8 (73.02)	1/2 (12.7)	8.1 (3.67)
STC824100	2-1/2	4/0 Str.-1000 MCM	.522-1.152 (13.26-29.26)	7 (177.8)	3-1/4 (82.55)	3-1/2 (88.9)	4-3/4 (120.65)	2-7/8 (73.02)	1/2 (12.7)	8.9 (4.04)
STC824150	2-1/2	250—1500 MCM	.574-1.412 (14.58-35.86)	7-1/2 (190.5)	3-1/4 (82.55)	3-3/4 (95.25)	4-3/4 (120.65)	3-3/8 (85.72)	1/2 (12.7)	9.1 (4.13)
STC824200	2-1/2	500 -2000 MCM	.811-1.632 (20.60-41.45)	7-1/2 (190.5)	3-1/4 (82.55)	4 (101.6)	4-3/4 (120.65)	3-3/8 (85.72)	1/2 (12.7)	10.7 (4.85)
STC830050	3	1/0 Sol.—500 MCM	.325-.813 (8.26-20.65)	5-5/8 (142.88)	2-1/2 (63.5)	2-3/4 (69.85)	5-1/4 (133.35)	2-1/2 (63.5)	1/2 (12.7)	7.8 (3.54)
STC830100	3	4/0 Str.—1000 MCM	.522-1.152 (13.26-29.26)	6-3/8 (161.92)	2-1/2 (63.5)	3-1/2 (88.9)	5-1/4 (133.35)	2-7/8 (73.02)	1/2 (12.7)	9.1 (4.13)
STC830150	3	250—1500 MCM	.574-1.412 (14.58-35.86)	7-7/8 (200.02)	3-1/2 (88.9)	3-3/4 (95.25)	5-1/2 (139.7)	3-3/8 (85.72)	1/2 (12.7)	10.3 (4.67)
STC830200	3	500—2000 MCM	.811-1.632 (20.60-41.45)	6-7/8 (174.62)	2-1/2 (63.5)	4 (101.6)	5-1/4 (133.35)	3-3/8 (85.72)	1/2 (12.7)	12.2 (5.53)
STC840150	4	250—1500 MCM	.574-1.412 (14.58-35.86)	8 (203.2)	4 (101.6)	3-3/4 (95.25)	6-5/8 (168.28)	3-3/8 (85.72)	1/2 (12.7)	12.3 (5.58)



ALUMINUM WELDMENT CONNECTORS

INTRODUCTION

Welded joints of aluminum conductors offer advantages over bolted and compression fittings in performance and economy for certain applications. This is especially true when the proper welding method (MIG or TIG) and the proper weldment connectors are selected.

The best electrical joints are obtained when quality connectors of proven performance, that are backed by a reputable connector manufacturer, are installed with the proper welding methods.

Electric arc welding, with an inert gas shield, provides electrically and mechanically sound joints that require no special surface preparation other than cleaning of the joint to be welded. There is no contact resistance in a properly welded joint. The resulting connection is highly efficient and adds very little bulk to the conductors.

From an economic standpoint, welded joints are more feasible in larger substations that can justify the services of experienced welders and the use of the proper welding apparatus. Practically all types of joints for joining aluminum angle bar, sheet and tubular bus are possible through the use of proper welding accessories. It is also practical to weld tubular bus to cable and cable terminal joints through proper welding techniques and cable connectors. Of course, proper provision must be made to free the cable of high stresses in the vicinity of the weld because of the annealed conductor strands.

Many techniques have been developed for the welded assembly of aluminum conductors in substations, but certain ones have been found to offer more advantages than others. Accessories in the form of cast aluminum weldment connectors have been developed to facilitate the joining and supporting of aluminum conductors. These connectors, as developed by Anderson, have been designed to provide:

1. Rigid support and proper alignment.
2. Fast assembly without need for tedious forming and fitting of bus.
3. Continuous welds of regular contours that provide a weld area equivalent to 1-10% of the cross sectional area of the connector.
4. Neat appearance without bulky additions beyond the size and shape of the conductors.
5. Smooth contours suitable for high voltage applications where corona and R.I.V. level are of concern.
6. Flexible couplers to compensate for expansion and contraction of bus.
7. Many other features available for specific applications.

Anderson supplies cast weldment fittings of 356 aluminum alloy which are heat treated to T6 condition for applications requiring high strength and good electrical conductivity. It is wise to choose the filler alloy on the basis of the parent metal alloys to be joined. A poor choice can cause various difficulties, i.e.,

1. Low strength.
2. Weld cracking.
3. Poor corrosion resistance.
4. Poor color matching.
5. Difficulty in welding.

The filler rod material recommended by Anderson for joining 356-T6 cast aluminum fittings to EC grade aluminum conductor materials is 4043 alloy. This filler material has a typical conductivity of 40 per cent (IACS). Although it would appear that a purer material should be used for welding aluminum castings and the EC grades of conductor materials, the resulting joint usually has a lower resistance than an equivalent length of conductor. Also, a further point for consideration is that 4043 alloy is considerably easier to weld than the higher purity filler materials.

For more information on Welding Methods and Apparatus, see reference section ST.

COUPLERS WELDMENT ALUMINUM TUBE TO TUBE

ALUMINUM

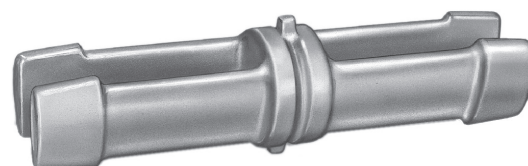
WC

Aluminum alloy weldment coupler for connecting aluminum tubing. The joint can be stiffened, if desired, by drilling two holes in each tube at 180 degree points and plug welding the tubing to the coupler.

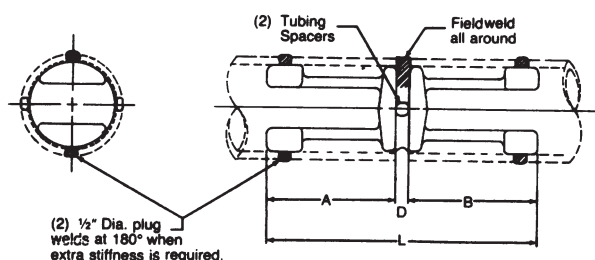
Material: Castings—356-T6 aluminum alloy

Note: To specify coupler for extra heavy (Schedule 80 EHIPS) tubing add "H" to catalog number.

Example: WCH3030.


SB
13

For larger tubing sizes, see catalog style WCI.



Product Data & Conductor Size

CATALOG NUMBER	ALUMINUM CONDUCTOR SIZE		DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
	TUBING MAIN IPS	TUBING TAP IPS	L	A	B	D	
WC1010	1	1	4-1/8 (104.78)	2 (50.8)	2 (50.8)	1/8 (3.18)	.35 (.16)
WC1212	1-1/4	1-1/4	5-1/8 (130.18)	2-1/2 (63.5)	2-1/2 (63.5)	1/8 (3.18)	.44 (.20)
WC1412	1-1/2	1-1/4	5-5/8 (142.88)	3 (76.2)	2-1/2 (63.5)	1/8 (3.18)	.61 (.28)
WC1414	1-1/2	1-1/2	6-1/8 (155.58)	3 (76.2)	3 (76.2)	1/8 (3.18)	.73 (.33)
WC2020	2	2	8-1/4 (209.55)	4 (101.6)	4 (101.6)	1/4 (6.35)	1.1 (.50)
WC2424	2-1/2	2-1/2	10-1/4 (260.35)	5 (127.0)	5 (127.0)	1/4 (6.35)	1.7 (.77)
WC3020	3	2	10-3/4 (273.05)	6 (152.4)	4 (101.6)	3/4 (19.05)	2.2 (1.0)
WC3024	3	2-1/2	11-3/4 (298.45)	6 (152.4)	5 (127.0)	3/4 (19.05)	2.5 (1.13)
WC3030	3	3	12-1/4 (311.15)	6 (152.4)	6 (152.4)	1/4 (6.35)	2.6 (1.18)



COUPLERS WELDMENT ALUMINUM TUBE TO TUBE

ALUMINUM

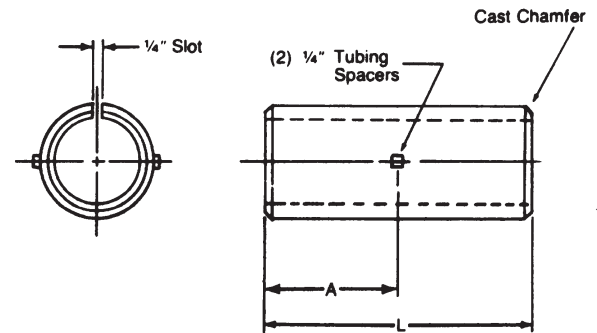
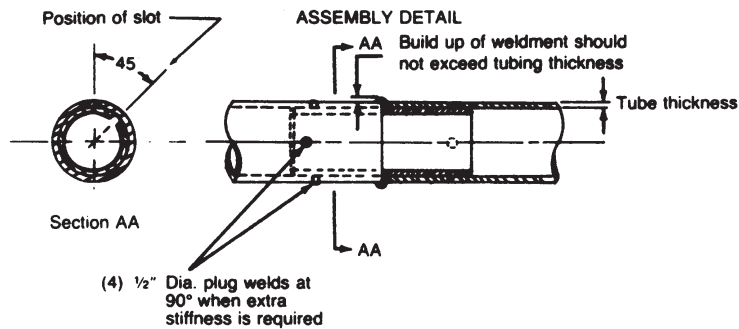
WCI

Aluminum alloy weldment coupler for connecting aluminum tubing. Slot provides for close fit regardless of tubing tolerance. The joint can be stiffened, if desire, by drilling four holes in the tubing at 90 degree lateral points and plug welding the tubing to the coupler.

Material: **Castings**—356-T6 aluminum alloy
Extrusions—6061-T6 Alloy

Note: To specify coupler for extra heavy (Schedule 80 EHIPS) tubing add "H" to catalog number.

Example: WCIH3030.



Product Data & Conductor Size

CATALOG NUMBER	ALUMINUM CONDUCTOR SIZE		DIMENSIONS INCHES (MM)		APPROX. WT. EACH LBS. (KG)
	TUBING MAIN IPS	TUBING TAP IPS	L	A	
WCI2020	2	2	12 (304.8)	6 (152.4)	1.5 (.68)
WCI2424	2-1/2	2-1/2	15 (381.0)	7-1/2 (190.5)	2.3 (1.04)
WCI3030†	3	3	18 (457.2)	9 (228.6)	3.5 (1.59)
WCI3434	3-1/2	3-1/2	18 (457.2)	10-1/2 (266.7)	4.6 (2.09)
WCI4040	4	4	24 (609.6)	12 (304.8)	7.1 (3.22)
WCI5050	5	5	24 (609.6)	12 (304.8)	9.7 (4.40)
WCI6060	6	6	24 (609.6)	12 (304.8)	12.7 (5.76)

† Catalog no. is extrusion, others are castings.



COUPLERS WELDMENT ALUMINUM TUBE TO TUBE

ALUMINUM

WLI90

Aluminum alloy weldment coupler for connecting aluminum tubing at 90 degrees.

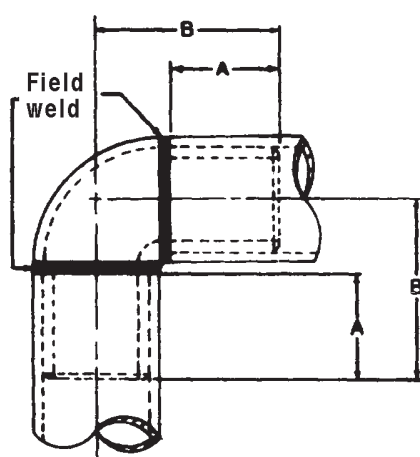
Material: Castings—356-T6 aluminum alloy

Note: To specify coupler for extra heavy (Schedule 80 EHIPS) tubing add “H” to catalog number.

Example: WLIH903030.



SB
15



Product Data & Conductor Size

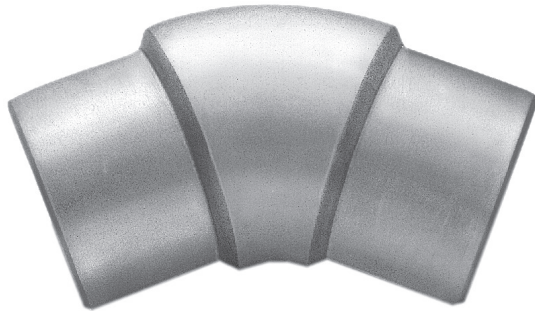
CATALOG NUMBER	ALUMINUM CONDUCTOR SIZE		DIMENSIONS INCHES (MM)		APPROX. WT. EACH LBS. (KG)
	TUBING MAIN IPS	TUBING TAP IPS	A	B	
WLI901010	1	1	1 (25.4)	1-13/16 (46.04)	.34 (.15)
WLI901212	1-1/4	1-1/4	1 (25.4)	2-1/4 (57.15)	.49 (.22)
WLI901414	1-1/2	1-1/2	1 (25.4)	2-3/8 (60.32)	.95 (.43)
WLI902020	2	2	2 (50.8)	3-3/8 (85.72)	1.4 (.64)
WLI902424	2-1/2	2-1/2	1-1/2 (38.1)	4-3/16 (106.36)	1.8 (.82)
WLI903030	3	3	1-3/4 (44.45)	4-3/4 (120.65)	2.9 (1.32)
WLI903434	3-1/2	3-1/2	1-3/4 (44.45)	5-1/4 (133.35)	3.9 (1.77)
WLI904040	4	4	2 (50.8)	6 (152.4)	5.1 (2.31)
WLI905050	5	5	2 (50.8)	6-9/16 (166.69)	7.8 (3.54)
WLI906060	6	6	2-1/2 (63.5)	7-11/16 (195.26)	11.6 (5.26)



COUPLERS WELDMENT ALUMINUM TUBE TO TUBE

ALUMINUM

WLI45

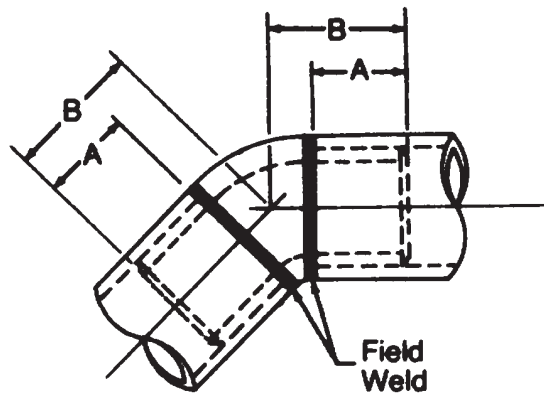


Aluminum alloy weldment coupler for connecting aluminum tubing at 45 degrees.

Material: Castings—356-T6 aluminum alloy

Note: To specify coupler for extra heavy (Schedule 80 EHIPS) tubing add “H” to catalog number.

Example: WLIH453030.



Product Data & Conductor Size

CATALOG NUMBER	ALUMINUM CONDUCTOR SIZE		DIMENSIONS INCHES (MM)		APPROX. WT. EACH LBS. (KG)
	TUBING MAIN IPS	TUBING TAP IPS	A	B	
WLI451010	1	1	1 (25.4)	1-5/8 (41.28)	.31 (.14)
WLI451414	1-1/2	1-1/2	1 (25.4)	2-1/4 (57.15)	.70 (.32)
WLI452020	2	2	2 (50.8)	3-1/4 (82.55)	1.5 (.68)
WLI452424	2-1/2	2-1/2	2 (50.8)	3-5/16 (84.14)	1.4 (.64)
WLI453030	3	3	1-3/4 (44.45)	3-3/8 (85.72)	2.2 (1.00)
WLI453434	3-1/2	3-1/2	1-3/4 (44.45)	3-1/2 (88.9)	2.9 (1.32)
WLI454040	4	4	2 (50.8)	3-3/4 (95.25)	3.5 (1.59)
WLI455050	5	5	2 (50.8)	4-1/8 (104.78)	5.1 (2.31)
WLI456060	6	6	2-1/2 (63.5)	4-7/8 (123.82)	8.0 (3.63)