



MISCELLANEOUS & GROUNDING

BI-METALLIC

TP..... TRANSITION PLATESF-11

WELDMENT/ALUMINUM

WEB..... END PLUG, INTERNALSF-1

WTESR..... GROUNDING STUDSF-31

DRIVE FIT/ALUMINUM

ACB..... CORONA END CAP FOR ALUMINUM TUBINGSF-2

ACBI..... CORONA END CAP FOR ALUMINUM TUBINGSF-3

DRIVE FIT/BRONZE

BCB..... CORONA END CAP FOR COPPER TUBING.....SF-4

CBI..... CORONA END PLUG FOR COPPER TUBING.....SF-5

BOLTED/ALUMINUM

ACHLS STIRRUP CLAMP, ALUM CABLE TO TINNED COPPER LOOPSF-29

APCS CABLE SPACERS.....SF-6

APCSF CABLE SPACER TERMINALSF-7

ATHLS STIRRUP CLAMP, ALUM TUBING TO TINNED COPPER LOOPSF-30

BOLTED/COPPER

FB..... BRAIDED SHUNTSF-9

FS..... LAMINATED SHUNTSF-10

GB..... FLEXIBLE GROUNDING BRAID.....SF-28

BOLTED/GALVANIZED STEEL

AD..... INSULATOR HEIGHT ADAPTERSF-13

BA..... BOLT CIRCLE AND HEIGHT ADAPTER.....SF-14

BOLTED/BRONZE

BPCS CABLE SPACERSF-8

GC..... GROUND CLAMP.....SF-15

GC103..... GROUND CLAMP, CABLE TO ROD.....SF-16

GC109 GROUND CLAMP, FLEXIBLE BRAID TO ROD OR TUBESF-27

GC110..... GROUND CLAMP, ONE,TWO, OR THREE CABLES TO ROD OR TUBESF-21

GC111 GROUND CLAMP, CABLE TO ROD OR TUBE.....SF-17

GC113 GROUND CLAMP, CABLE TO CABLE (CROSS CONNECTOR)SF-26

GC115 GROUND CLAMP, TWO CABLES TO ROD OR TUBE.....SF-19

GC140 GROUND CLAMP, CABLE TO FLATSF-23

GC141..... GROUND CLAMP, CABLE TO FLATSF-24

GC143..... GROUND CLAMP, TWO CABLES TO FLATSF-25

IFA BOLT CIRCLE ADAPTER.....SF-12



MISCELLANEOUS AND GROUNDING ALUMINUM WELDMENT END PLUG INTERNAL

ALUMINUM

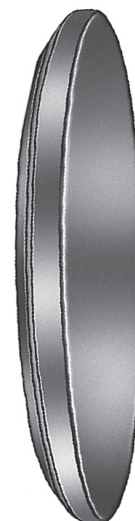
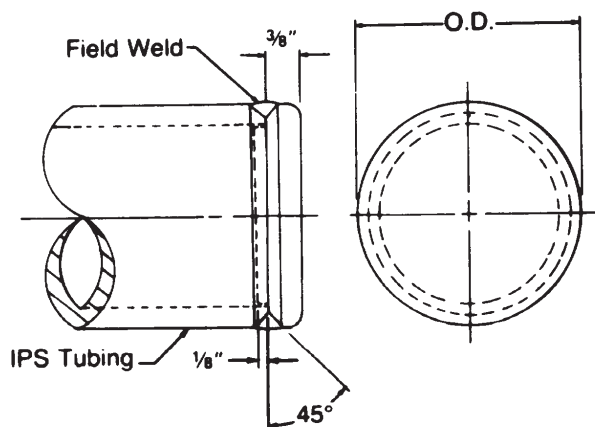
WEB

Aluminum alloy, weldment, internal end plug for tubing.

Material: Casting-356-T6 aluminum alloy

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

Example: WEBH30.



Product Data & Conductor Size

CATALOG NUMBER	CONDUCTOR SIZE		APPROX. WT. EACH LBS. (KG)
	IPS	O.D. IN INCHES	
WEB10	1	1-5/16	.06 (.03)
WEB12	1-1/4	1-21/32	.10 (.04)
WEB14	1-1/2	1-29/32	.13 (.06)
WEB20	2	2-3/8	.19 (.09)
WEB24	2-1/2	2-7/8	.26 (.12)
WEB30	3	3-1/2	.41 (.18)
WEB34	3-1/2	4	.54 (.24)
WEB40	4	4-1/2	.68 (.31)
WEB50	5	5-9/16	1.1 (.50)
WEB60	6	6-5/8	1.5 (.68)

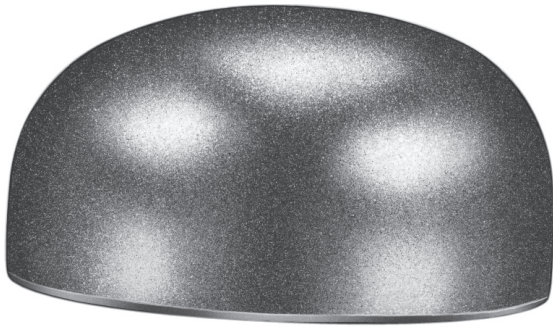
SF
1



MISCELLANEOUS AND GROUNDING ALUMINUM CORONA END CAP FOR ALUMINUM TUBING

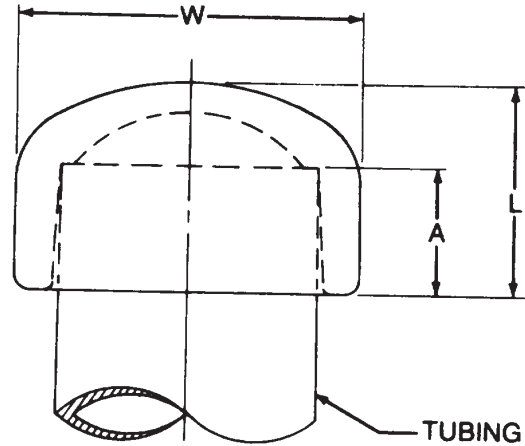
ALUMINUM

ACB



Aluminum external, corona end cap for reducing electrostatic loss and enclosing tubing ends. Cap is designed for tapered drive fit or can be welded if desired.

Material: 356-T6 aluminum alloy.



Product Data & Conductor Size

CATALOG NUMBER	ALUMINUM CONDUCTOR SIZE TUBING IPS/EHIPS	DIMENSIONS INCHES (MM)			APPROX. WT. EACH LBS. (KG)
		L	A	W	
ACB10	1	1-3/8 (34.92)	7/8 (22.22)	1-7/8 (47.62)	.35 (.16)
ACB12	1-1/4	1-1/2 (38.1)	1 (25.4)	2-1/4 (57.15)	.55 (.25)
ACB14	1-1/2	1-5/8 (41.28)	1 (25.4)	2-5/8 (66.68)	.65 (.29)
ACB20	2	1-3/4 (44.45)	1 (25.4)	3-1/8 (79.38)	.80 (.36)
ACB24	2-1/2	1-7/8 (47.62)	1 (25.4)	3-5/8 (92.08)	.65 (.29)
ACB30	3	2-1/8 (53.93)	1-1/8 (28.58)	4-1/4 (107.95)	2.2 (1.0)
ACB34	3-1/2	2-3/8 (60.32)	1-1/4 (31.75)	4-7/8 (123.82)	2.5 (1.13)
ACB40	4	2-1/2 (63.5)	1-1/4 (31.75)	5-3/8 (136.52)	2.9 (1.32)
ACB50	5	3 (76.2)	1-1/2 (38.1)	6-3/8 (161.92)	4.6 (2.09)

MISCELLANEOUS AND GROUNDING ALUMINUM CORONA END PLUG FOR ALUMINUM TUBING

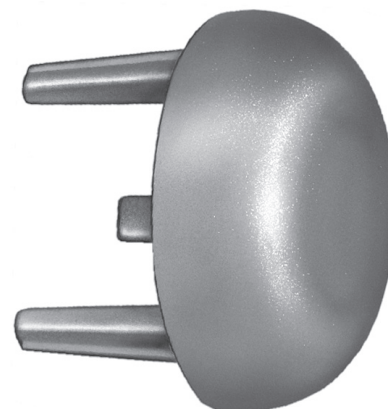
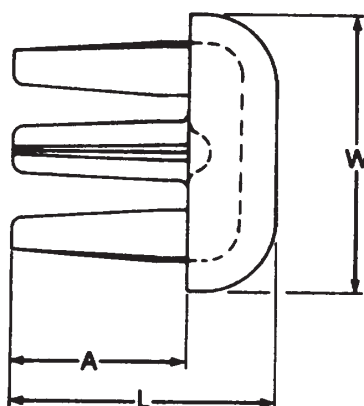
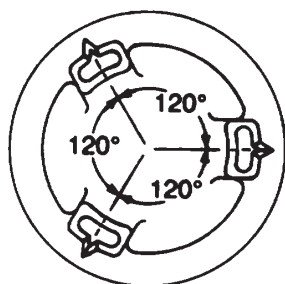
ALUMINUM
ACBI

Aluminum internal, corona end plug for reducing electrostatic loss and enclosing tubing end. Plug is designed for drive fit with tapered internal fingers.

Material: 356-T6 aluminum alloy

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

Example: ACBIH12.



Product Data & Conductor Size

CATALOG NUMBER	ALUMINUM CONDUCTOR SIZE TUBING IPS	DIMENSIONS INCHES (MM)			APPROX. WT. EACH LBS. (KG)
		L	A	W	
ACBI10	1	1-1/4 (31.75)	3/4 (19.05)	1-5/16 (33.34)	.20 (.09)
ACBI12	1-1/4	1-5/8 (41.27)	1 (25.4)	1-11/16 (42.86)	.19 (.09)
ACBI14	1-1/2	1-3/4 (44.45)	1-1/4 (31.75)	1-15/16 (49.21)	.18 (.08)
ACBI20	2	1-3/4 (44.45)	1 (25.4)	2-3/8 (60.32)	.25 (.11)
ACBI24	2-1/2	2-1/8 (53.93)	1-1/8 (28.58)	2-7/8 (73.02)	.46 (.21)
ACBI30	3	2-1/2 (63.5)	1-1/4 (31.75)	3-1/2 (88.9)	.78 (.35)
ACBI34	3-1/2	2-3/4 (69.85)	1-1/2 (38.1)	4 (101.6)	.89 (.40)
ACBI40	4	3 (76.2)	1-1/2 (38.1)	4-1/2 (114.3)	1.2 (.54)
ACBI50	5	3-1/4 (82.55)	1-3/4 (44.45)	5-9/16 (141.29)	1.7 (.77)
ACBI60	6	3-1/4 (82.55)	1-3/4 (44.45)	6-5/8 (168.28)	2.2 (1.0)

SF
3



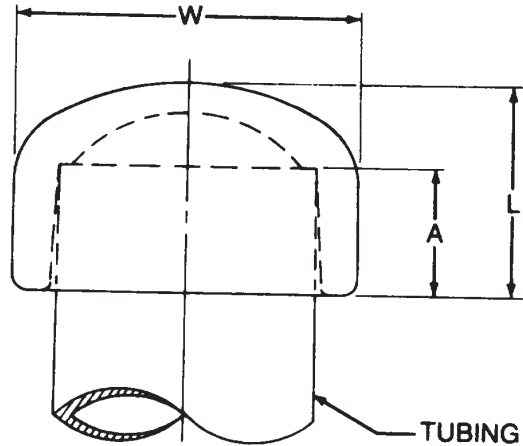
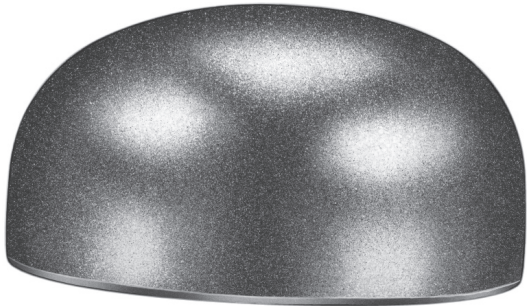
MISCELLANEOUS AND GROUNDING

BRONZE CORONA END CAP FOR COPPER TUBING

BRONZE
BCB

Bronze external, corona end cap for reducing electrostatic loss and enclosing tubing end. Cap is designed for tapered drive-fit.

Material: Bronze alloy



Product Data & Conductor Size

CATALOG NUMBER	COPPER CONDUCTOR SIZE TUBING IPS	DIMENSIONS INCHES (MM)			APPROX. WT. EACH LBS. (KG)
		L	A	W	
BCB06	3/4	1-3/8 (34.92)	7/8 (22.22)	1-9/16 (39.69)	.40 (.18)
BCB10	1	1-3/8 (34.92)	7/8 (22.22)	1-7/8 (47.62)	1.0 (.45)
BCB12	1-1/4	1-1/2 (38.1)	1 (25.4)	2-1/4 (57.15)	1.8 (.82)
BCB14	1-1/2	1-5/8 (41.28)	1 (25.4)	2-5/8 (66.68)	2.0 (.91)
BCB20	2	1-3/4 (44.45)	1 (25.4)	3-1/16 (77.79)	2.1 (.95)
BCB24	2-1/2	2-1/2 (63.5)	1-5/8 (41.28)	3-3/4 (95.25)	3.2 (1.45)
BCB30	3	3 (76.2)	1-7/8 (47.62)	4-1/2 (114.3)	4.0 (1.81)
BCB34	3-1/2	3-1/8 (79.38)	2 (50.8)	5 (127.0)	5.3 (2.40)
BCB40	4	2-1/2 (63.5)	1-1/4 (31.75)	5-3/8 (136.52)	9.5 (4.31)

SF
4

MISCELLANEOUS AND GROUNDING BRONZE CORONA END PLUG FOR COPPER TUBING

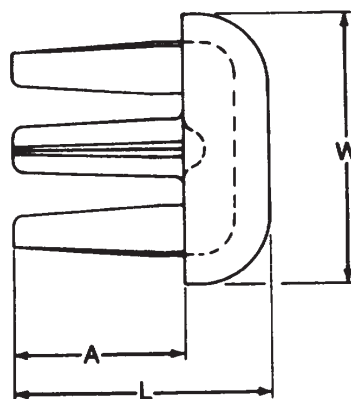
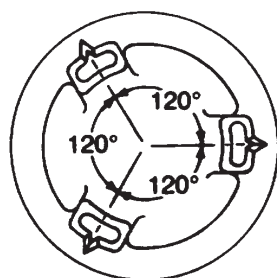
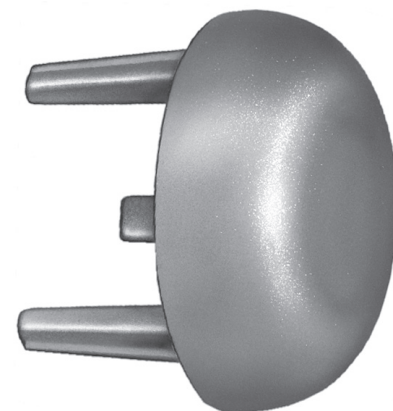
BRONZE
CBI

Bronze internal, corona end plug for reducing electro-static loss and enclosing tubing end. Plug is designed for drive fit with tapered internal fingers.

Material: Bronze alloy

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

Example: CBIH12.



Product Data & Conductor Size

CATALOG NUMBER	COPPER CONDUCTOR SIZE TUBING IPS	DIMENSIONS INCHES (MM)			APPROX. WT. EACH LBS. (KG)
		L	A	W	
CBI06	3/4	1-1/4 (31.75)	7/8 (22.22)	1-1/16 (26.99)	.28 (.13)
CBI10	1	1-1/4 (31.75)	3/4 (19.05)	1-5/16 (33.34)	.34 (.15)
CBI12	1-1/4	1-5/8 (41.28)	1 (25.4)	1-11/16 (42.86)	.39 (.18)
CBI14	1-1/2	1-3/4 (44.45)	1-1/4 (31.75)	1-15/16 (49.21)	.58 (.26)
CBI20	2	1-3/4 (44.45)	1 (25.4)	2-3/8 (60.32)	.86 (.39)
CBI24	2-1/2	2-1/8 (53.98)	1-1/8 (28.58)	2-7/8 (73.02)	1.1 (.50)
CBI30	3	2-1/2 (63.5)	1-1/4 (31.75)	3-1/2 (88.9)	1.8 (.82)
CBI34	3-1/2	2-3/4 (69.85)	1-1/2 (38.1)	4 (101.6)	2.4 (1.09)
CBI40	4	3-1/4 (82.55)	1-3/4 (44.45)	4-1/2 (114.3)	3.0 (1.36)

SF
5



MISCELLANEOUS AND GROUNDING ALUMINUM CABLE SPACERS

ALUMINUM
APCS

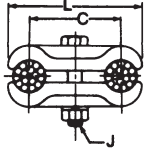
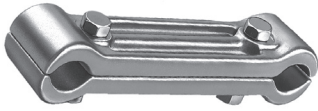


Fig. 1

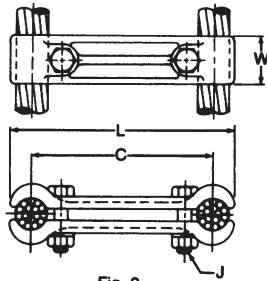


Fig. 2

Aluminum alloy, parallel cable spacer for maintaining aluminum cable clearance and preventing loose cable damage. Recommended for slack spans only. Contact sealant is recommended.

Material: Casting-356-T6 aluminum alloy
Hardware-aluminum alloy

Product Data & Conductor Size

CATALOG NUMBER	FIG. NO.	ALUMINUM CONDUCTOR RANGE			DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
		AAC	ACSR	DIA.	L	W	C	J	
APCS94	1	350-600 MCM	336.4-477 MCM	.681- .893 (17.30- 22.68)	5-1/4 (133.35)	1-3/4 (44.45)	4 (101.6)	1/2 (12.7)	1.0 (.45)
APCS98	2				9-1/4 (234.95)	1-3/4 (44.45)	8 (203.2)	1/2 (12.7)	1.8 (.82)
APCS114	1	600-900 MCM	556.5-795 MCM	.870- 1.108 (22.10- 28.14)	5-1/2 (139.7)	1-3/4 (44.45)	4 (101.6)	1/2 (12.7)	1.4 (.63)
APCS118	2				9-1/2 (241.3)	1-3/4 (44.45)	8 (203.2)	1/2 (12.7)	1.9 (.86)
APCS1112	2				13-1/2 (342.9)	1-3/4 (44.45)	12 (304.8)	1/2 (12.7)	2.5 (1.13)
APCS134	1	900-1250 MCM	715.5-1113 MCM	1.036- 1.293 (26.31- 32.84)	5-3/4 (146.05)	2-1/8 (53.98)	4 (101.6)	5/8 (15.88)	1.9 (.86)
APCS136	2				7-3/4 (196.85)	2-1/8 (53.98)	6 (152.4)	1/2 (12.7)	2.0 (.91)
APCS138	2				9-3/4 (247.65)	2-1/8 (53.98)	8 (203.2)	1/2 (12.7)	2.2 (1.0)
APCS1312	2				13-3/4 (349.25)	2-1/8 (53.98)	12 (304.8)	1/2 (12.7)	3.0 (1.36)
APCS154	1	1250-1600 MCM	1113-1272 MCM	1.289- 1.459 (32.74- 37.06)	5-7/8 (149.22)	2-1/8 (53.98)	4 (101.6)	5/8 (15.88)	1.2 (.54)
APCS158	2				9-7/8 (250.82)	2-1/8 (53.98)	8 (203.2)	5/8 (15.88)	2.4 (1.09)
APCS1512	2				13-7/8 (352.42)	2-1/8 (53.98)	12 (304.8)	1/2 (12.7)	3.1 (1.41)
APCS163	1	1500-2000 MCM	1272-1590 MCM	1.382- 1.632 (35.10- 41.45)	5-1/8 (130.18)	2-1/8 (53.98)	3 (76.2)	5/8 (15.88)	1.5 (.68)
APCS164	2				6-1/8 (155.58)	2-1/8 (53.98)	4 (101.6)	5/8 (15.88)	2.0 (.91)
APCS166	2				8-1/4 (209.55)	2-1/8 (53.98)	6 (152.4)	5/8 (15.88)	2.8 (1.27)
APCS168	2				10-1/8 (257.18)	2-1/8 (53.98)	8 (203.2)	5/8 (15.88)	3.0 (1.36)
APCS1612	2				14-1/8 (358.78)	2-1/8 (53.98)	12 (304.8)	5/8 (15.88)	4.2 (1.90)
APCS184	1	2000-2500 MCM	2156-2312 MCM	1.632- 1.824 (41.45- 46.33)	6-1/4 (158.75)	2-1/8 (53.98)	4 (101.6)	5/8 (15.88)	2.5 (1.13)
APCS188	2				10-1/4 (260.35)	2-1/8 (53.98)	8 (203.2)	5/8 (15.88)	3.0 (1.36)
APCS1812	2				14-1/4 (361.95)	2-1/8 (53.98)	12 (304.8)	5/8 (15.88)	4.0 (1.81)
APCS1818	2				20-1/4 (514.35)	2-1/8 (53.98)	18 (457.2)	5/8 (15.88)	5.5 (2.49)

SF
6

MISCELLANEOUS AND GROUNDING ALUMINUM CABLE SPACER TERMINAL

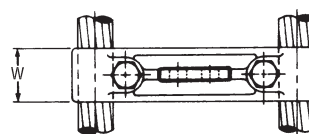
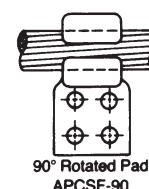
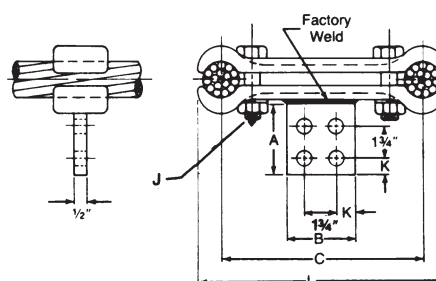
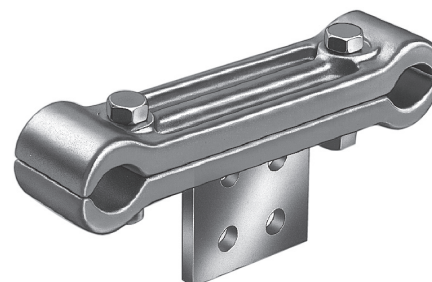
ALUMINUM
APCSF

Aluminum alloy, parallel cable spacer terminal. Recommended for slack spans only. Contact surfaces are furnished on both sides of tongue. Contact sealant is recommended. For limited current use like lightning arrester tap.

Material: Castings—356-T6 aluminum alloy
Pad—aluminum bar

Note: To obtain pad rotated 90 degrees and parallel to cables, add suffix " 90" to catalog number.

Example: APCSFI6D1290.



Product Data & Conductor Size

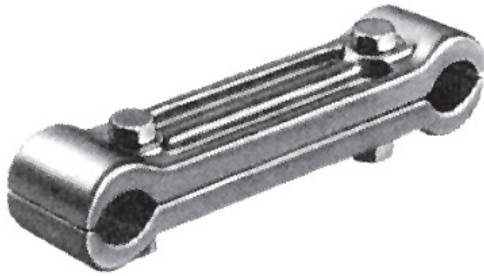
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	AAC	ACSR	DIA.	L	W	A	B	C	K	J	
APCSF9D8	350-600 MCM	336-477 MCM	.681- .893 (17.30- 22.68)	9-1/4 (234.95)	1-3/4 (44.45)	4-1/2 (114.3)	4 (101.6)	8 (203.2)	1-1/8 (28.58)	1/2 (12.7)	2.7 (1.22)
APCSF9D12				13-1/4 (336.55)		4-1/2 (114.3)	4 (101.6)	12 (304.8)	1-1/8 (28.58)	1/2 (12.7)	3.4 (1.54)
APCSFI1D8	600-900 MCM	556-795 MCM	.870- 1.108 (22.10- 28.14)	9-1/2 (241.3)	1-3/4 (44.45)	4-1/2 (114.3)	4 (101.6)	8 (203.2)	1-1/8 (28.58)	1/2 (12.7)	2.8 (1.27)
APCSFI1D12				13-1/2 (342.9)		4-1/2 (114.3)	4 (101.6)	12 (304.8)	1-1/8 (28.58)	1/2 (12.7)	3.5 (1.59)
APCSFI3D8	900-1250 MCM	715-1113 MCM	1.081- 1.293 (27.46- 32.84)	9-3/4 (247.65)	2-1/8 (53.98)	4-1/2 (114.3)	4 (101.6)	8 (203.2)	1-1/8 (28.58)	1/2 (12.7)	3.1 (1.41)
APCSFI3D12				13-3/4 (349.25)		4-1/2 (114.3)	4 (101.6)	12 (304.8)	1-1/8 (28.58)	1/2 (12.7)	3.9 (1.77)
APCSFI5D8	1200-1600 MCM	1113-1272 MCM	1.289- 1.459 (32.74- 37.06)	9-7/8 (250.82)	2-1/8 (53.98)	4-1/2 (114.3)	4 (101.6)	8 (203.2)	1-1/8 (28.58)	1/2 (12.7)	3.2 (1.45)
APCSFI5D12				13-7/8 (352.42)		4-1/2 (114.3)	4 (101.6)	12 (304.8)	1-1/8 (28.58)	1/2 (12.7)	4.0 (1.81)
APCSFI6C8	1500-2000 MCM	1272-1590 MCM	1.382- 1.632 (35.10- 41.45)	10-1/8 (257.18)	2-1/8 (53.98)	3-1/2 (88.9)	3 (76.2)	8 (203.2)	5/8 (15.88)	5/8 (15.88)	3.6 (1.63)
APCSFI6D12				14-1/8 (358.78)		4-1/2 (114.3)	4 (101.6)	12 (304.8)	1-1/8 (28.58)	5/8 (15.88)	5.1 (2.31)
APCSFI8D8	2000-2500 MCM	2156-2312 MCM	1.632- 1.824 (41.45- 46.33)	10-1/4 (260.35)	2-1/8 (53.98)	4-1/2 (114.3)	4 (101.6)	8 (203.2)	1-1/8 (28.58)	5/8 (15.88)	3.9 (1.77)
APCSFI8D12				14-1/4 (361.95)		5 (127.0)	4 (101.6)	12 (304.8)	1-1/8 (28.58)	5/8 (15.88)	4.9 (2.22)



MISCELLANEOUS AND GROUNDING BRONZE CABLE SPACERS

BRONZE

BPCS



Bronze alloy, parallel cable spacer for maintaining cable clearance and preventing loose cable damage. Recommended for slack spans only.

Material: Casting—Bronze alloy
Hardware—Stainless steel

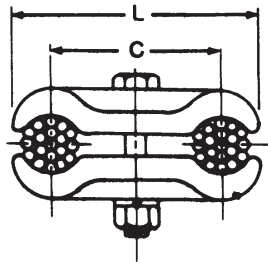
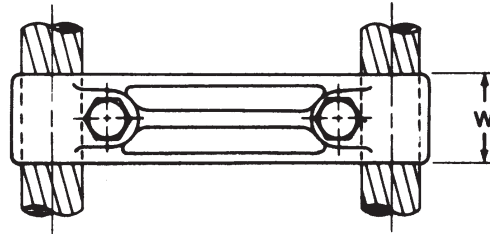


Fig. 1

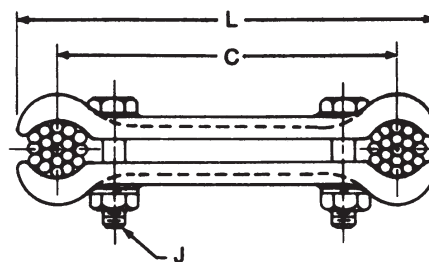


Fig. 2

Product Data & Conductor Size

CATALOG NUMBER	FIG. NO.	COPPER CONDUCTOR RANGE		DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
		CABLE	DIA.	L	W	C	J	
BPCS0804	2	500-800 MCM	.811- 1.031 (20.59- 26.18)	5-1/2 (139.70)	2 (50.8)	4 (101.60)	1/2 (12.7)	4.6 (2.08)
BPCS0806	2			7-1/2 (190.50)	2 (50.8)	6 (152.40)	1/2 (12.7)	5.6 (2.54)
BPCS0808	2			9-1/2 (241.30)	2 (50.8)	8 (203.20)	1/2 (12.7)	6.2 (2.81)
BPCS08012	2			13-1/2 (342.90)	2 (50.8)	12 (304.80)	1/2 (12.7)	8.3 (3.76)
BPCS100212	1	750-1000 MCM	.998- 1.152 (25.34- 29.26)	4-1/2 (114.30)	2 (50.8)	2-1/2 (63.50)	1/2 (12.7)	5.5 (2.49)
BPCS1006	2			7-3/4 (196.85)	2 (50.8)	6 (152.40)	1/2 (12.7)	6.6 (3.0)
BPCS1008	2			9-3/4 (247.65)	2 (50.8)	8 (203.02)	1/2 (12.7)	7.3 (3.31)
BPCS1508	2	1000-1500 MCM	1.152- 1.412 (29.26- 35.86)	10-1/4 (260.35)	2 (50.8)	8 (203.20)	1/2 (12.7)	7.9 (3.59)

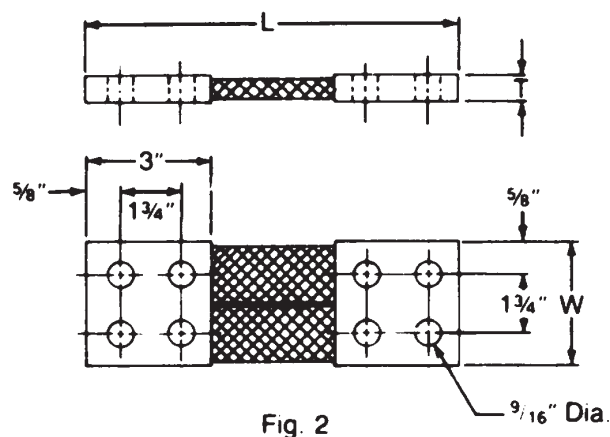
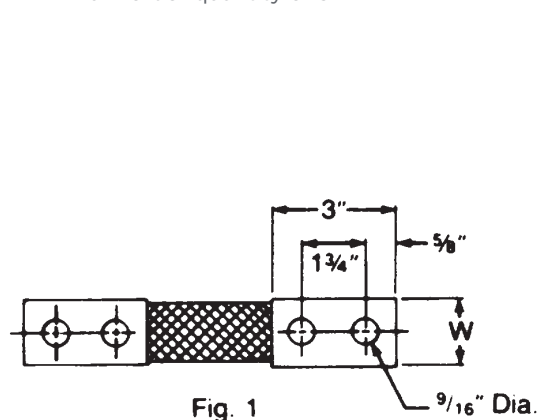
MISCELLANEOUS AND GROUNDING COPPER BRAIDED SHUNT

COPPER
FB

Seamless copper ferrules pressed on flexible braided copper wires. Individual wires used in braid are tinned prior to weaving so that maximum protection from corrosion is provided. Pad holes have NEMA spacing.

Material: Copper

Notes: For length other than those shown, indicate total length required; example: for 18" overall length add "18" to catalog number. **Example:** FB100018.
Please order in 6-inch length increments.
Minimum order quantity of 5.



Product Data & Conductor Size								
CATALOG NUMBER	FIG. NO.	AMPERE RATING		QTY. BRAIDS USED	DIMENSIONS INCHES (MM)			APPROX. WT. EACH LBS. (KG)
		INDOOR	OUTDOOR		L	T	W	
FB200	1	200	284	1	12 (304.8)	5/32 (3.97)	1 (25.4)	.5 (.23)
FB400	1	400	536	1	12 (304.8)	3/8 (9.52)	1-3/8 (34.92)	1.0 (.45)
FB600	1	600	774	2	12 (304.8)	1/2 (12.7)	1-5/8 (41.28)	1.5 (.68)
FB800	1	800	1017	3	12 (304.8)	3/4 (19.05)	1-5/8 (41.28)	2.0 (.91)
FB1000	2	1000	1260	6	12 (304.8)	9/16 (14.29)	3 (76.2)	2.0 (.91)
FB1200	2	1200	1500	4	12 (304.8)	5/8 (15.88)	3-1/16 (77.79)	2.0 (.91)



MISCELLANEOUS AND GROUNDING COPPER LAMINATED SHUNT

COPPER
FS



Fully annealed copper laminations to make semi-flexible shunt. Tinned ends are soldered together under pressure to form a one piece unit at contact ends. Pad holes have NEMA spacing.

Material: Copper (tin plated contacts)

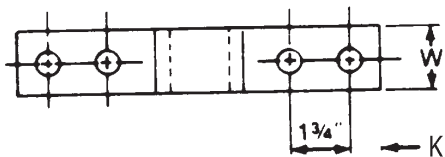


Fig. 1

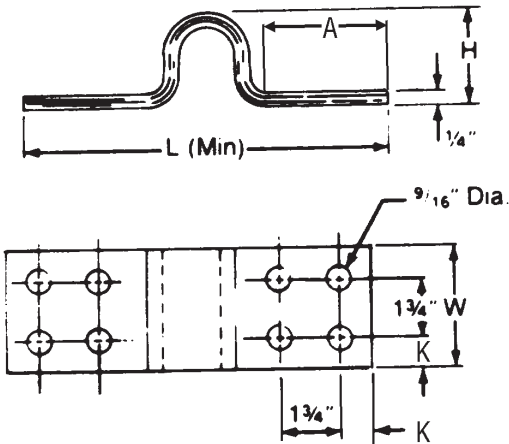


Fig. 2

Product Data & Conductor Size

CATALOG NUMBER	FIG. NO.	INDOOR AMPERE RATING	DIMENSIONS INCHES (MM)					APPROX. WT. EACH LBS. (KG)
			L	A	K	H	W	
FS081	1	647	9-1/2 (241.3)	3 (76.2)	5/8 (15.88)	3 (76.2)	2 (50.8)	2.2 (1.0)
FS122	2	973	10 1/2 (266.7)	3 (76.2)	5/8 (15.88)	3-1/2 (88.9)	3 (76.2)	3.7 (1.7)
FS162	2	1220	12 1/2 (317.5)	4 (101.6)	1-1/8 (28.58)	3-1/2 (88.9)	4 (101.6)	5.5 (2.49)

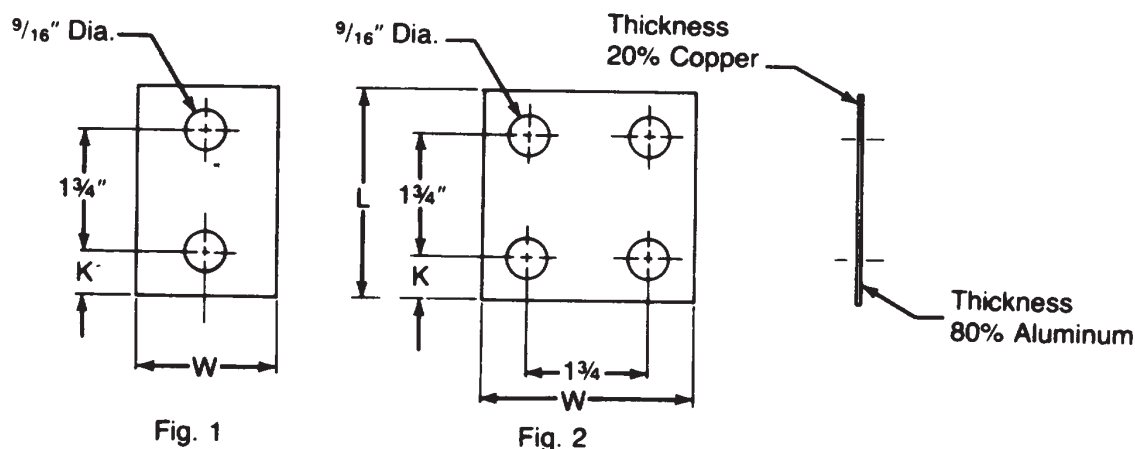
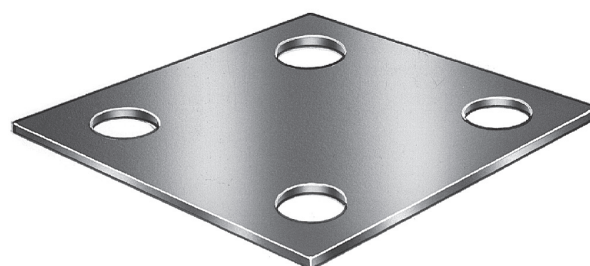
SF
10

MISCELLANEOUS AND GROUNDING BI-METALLIC TRANSITION PLATE

BI-METALLIC
TP

Bi-metallic transition plate for making aluminum to copper connections between flat NEMA drilled tongues and bars. Aluminum plate and copper sheet are molecularly bonded. Total thickness is 1/16". Contact sealant is recommended.

Material: 80% aluminum
20% copper



Product Data & Conductor Size					
CATALOG NUMBER	FIG. NO.	DIMENSIONS INCHES (MM)			APPROX. WT. EACH LBS. (KG)
		L	K	W	
TPB	1	3 (76.2)	5/8 (15.88)	1-1/2 (38.1)	.05 (.02)
TPB2	1	3 (76.2)	5/8 (15.88)	2 (50.8)	.06 (.03)
TPC	2	3 (76.2)	5/8 (15.88)	3 (76.2)	.09 (.04)
TPD	2	4 (101.6)	1-1/8 (28.58)	4 (101.6)	.11 (.05)

SF
11

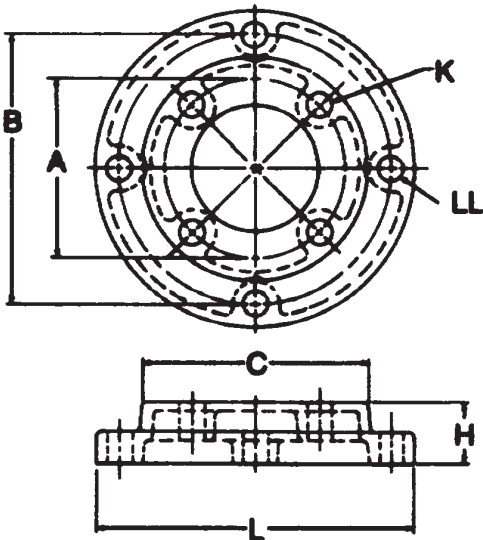


MISCELLANEOUS AND GROUNDING COPPER LAMINATED SHUNT

BRONZE
IFA

Bronze alloy bolt circle adapter for bronze bus support.

Material: Casting-bronze alloy



Product Data & Conductor Size								
CATALOG NUMBER	BOLT CIRCLE DIA.		DIMENSIONS INCHES (MM)					APPROX. WT. EACH LBS. (KG)
	A	B	L	C	K	H	LL	
IFA35	3	5	6-1/4 (158.75)	4-1/4 (107.95)	9/16 (14.29)	1-7/16 (36.51)	11/16 (17.46)	4.7 (2.13)
IFA36	3	6	7-1/4 (184.15)	4-1/4 (107.95)	9/16 (14.29)	1-5/16 (33.34)	9/16 (14.29)	5.3 (2.40)
IFA57	5	7	8-1/2 (215.9)	6-1/4 (158.75)	11/16 (17.46)	1-11/16 (42.86)	13/16 (20.64)	8.5 (3.86)

SF
12

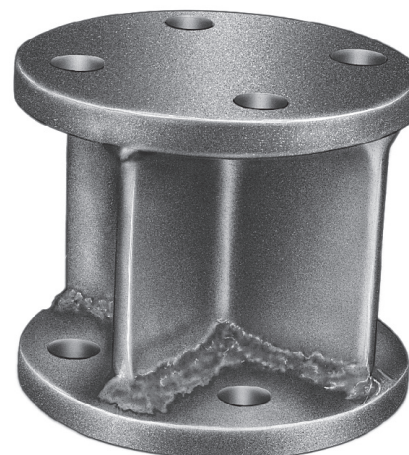
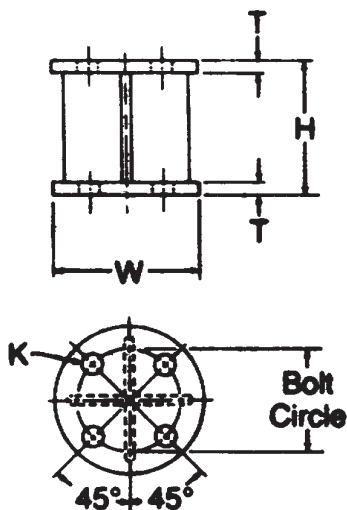
MISCELLANEOUS AND GROUNDING GALVANIZED STEEL INSULATOR ADAPTER HEIGHT ADAPTER

GALVANIZED STEEL

AD

Galvanized steel insulator height adapter for bronze or aluminum bus support.

Material: Galvanized steel



Product Data & Conductor Size

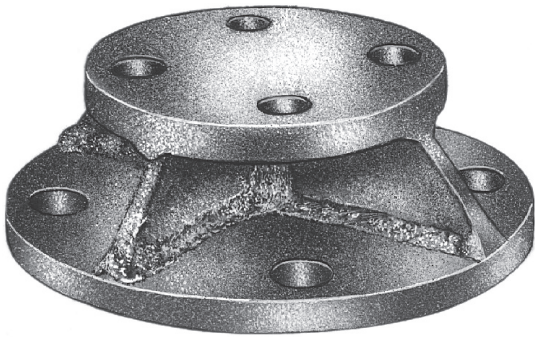
CATALOG NUMBER	BOLT CIRCLE DIA.	DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
		H	T	W	K	
AD203	3	2 (50.8)	3/8 (9.52)	4-1/4 (107.95)	9/16 (14.29)	4.1 (1.86)
AD205	5	2 (50.8)	3/8 (9.52)	6-1/4 (158.75)	11/16 (17.46)	7.7 (3.49)
AD303	3	3 (76.2)	3/8 (9.52)	4-1/4 (107.95)	9/16 (14.29)	4.9 (2.22)
AD305	5	3 (76.2)	3/8 (9.52)	6-1/4 (158.75)	11/16 (17.46)	8.5 (3.86)
AD353	3	3-1/2 (88.9)	3/8 (9.52)	4-1/4 (107.95)	9/16 (14.29)	8.3 (3.77)
AD355	5	3-1/2 (88.9)	3/8 (9.52)	6-1/4 (158.75)	11/16 (17.46)	8.8 (3.99)
AD403	3	4 (101.6)	3/8 (9.52)	4-1/4 (107.95)	9/16 (14.29)	5.6 (2.54)
AD405	5	4 (101.6)	3/8 (9.52)	6-1/4 (158.75)	11/16 (17.46)	9.2 (4.17)
AD503	3	5 (127.0)	3/8 (9.52)	4-1/4 (107.95)	9/16 (14.29)	6.4 (2.90)
AD505	5	5 (127.0)	3/8 (9.52)	6-1/4 (158.75)	11/16 (17.46)	10.0 (4.54)
AD603	3	6 (152.4)	3/8 (9.52)	4-1/4 (107.95)	9/16 (14.29)	7.2 (3.26)
AD605	5	6 (152.4)	3/8 (9.52)	6-1/4 (158.75)	11/16 (17.46)	10.8 (4.90)
AD803	3	8 (203.2)	1/2 (12.7)	4-1/4 (107.95)	9/16 (14.29)	8.7 (3.95)
AD805	5	8 (203.2)	1/2 (12.7)	6-1/4 (158.75)	11/16 (17.46)	12.3 (5.58)

SF
13



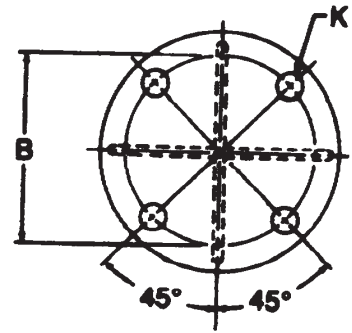
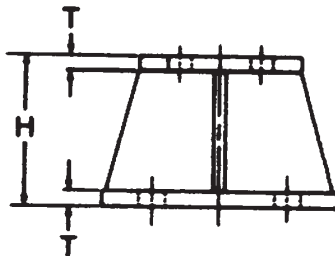
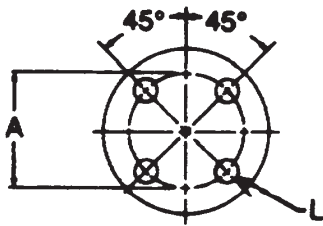
MISCELLANEOUS AND GROUNDING GALVANIZED STEEL BOLT CIRCLE AND HEIGHT ADAPTER

GALVANIZED STEEL
BA



Galvanized steel bolt circle and height adapter for bronze or aluminum bus support.

Material: Galvanized steel



Product Data & Conductor Size

CATALOG NUMBER	BOLT CIRCLE DIA.		DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
	A	B	H	T	K	L	
BA3535	3	5	3-1/2 (88.9)	3/8 (9.52)	11/16 (17.46)	9/16 (14.29)	7.0 (3.18)
BA3557	5	7	3-1/2 (88.9)	1/2 (12.7)	13/16 (20.64)	11/16 (17.46)	14.9 (6.76)
BA35582	5	8-1/4	3-1/2 (88.9)	1/2 (12.7)	13/16 (20.64)	11/16 (17.46)	16.8 (7.62)
BA4035	3	5	4 (101.6)	3/8 (9.52)	11/16 (17.46)	9/16 (14.29)	8.0 (3.63)
BA40582	5	8-1/4	4 (101.6)	1/2 (12.7)	13/16 (20.64)	11/16 (17.46)	17.2 (7.80)
BA5035	3	5	5 (127.0)	3/8 (9.52)	11/16 (17.46)	9/16 (14.29)	8.6 (3.90)
BA50582	5	8-1/4	5 (127.0)	1/2 (12.7)	13/16 (20.64)	11/16 (17.46)	17.8 (8.07)
BA6035	3	5	6 (152.4)	3/8 (9.52)	11/16 (17.46)	9/16 (14.29)	9.4 (4.26)

SF
14

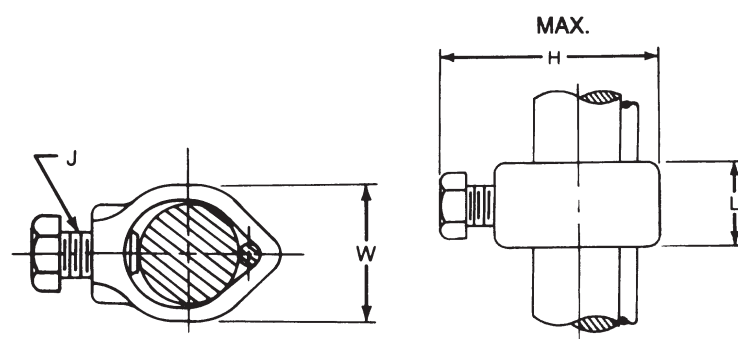
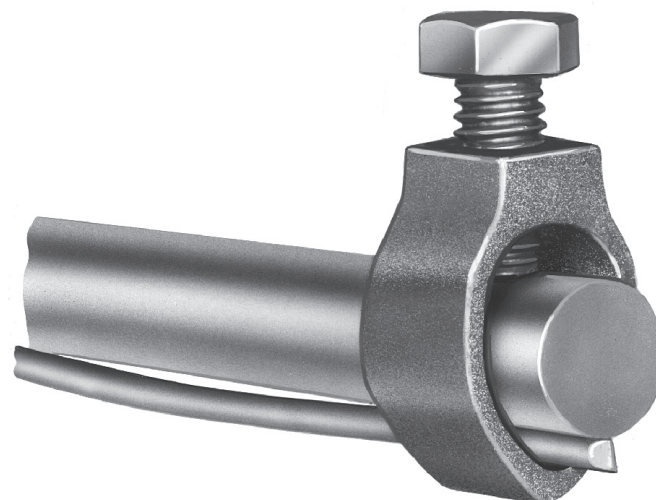


MISCELLANEOUS AND GROUNDING BRONZE GROUND CLAMP CABLE TO ROD

BRONZE
GC

Ground clamp for grounding copper cable parallel to a ground rod or tube.

Material: GC-Casting—bronze alloy
Hardware—silicon bronze
C203-Casting—galvanized steel
Hardware—Zinc plated steel



Product Data & Conductor Size

CATALOG NUMBER	COPPER CABLE RANGE	ROD DIA.	DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
			L	H	W	J	
GC5G5	#10 Sol.-#2 Str.	5/8	5/8 (15.88)	1-19/32 (40.39)	29/32 (23.11)	3/8 (9.52)	.11 (.05)
GC6	#8 Sol.-#4 Str.	3/4	3/4 (19.05)	2-1/8 (53.98)	1-1/32 (26.19)	3/8 (9.52)	.13 (.06)
C2030344	#8 Sol.-2/0 Str.	5/8	1-1/8 (28.6)	2-7/8 (73.0)	1-15/32 (37.3)	1/2 (12.7)	.34 (.15)
C2030345	#8 Sol.-2/0 Str.	3/4	1-1/8 (28.6)	2-7/8 (73.0)	1-15/32 (37.3)	1/2 (12.7)	.30 (.14)

SF
15



MISCELLANEOUS AND GROUNDING

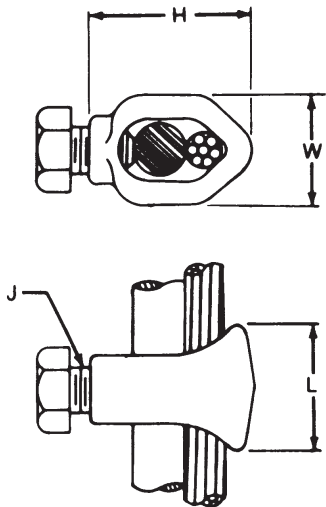
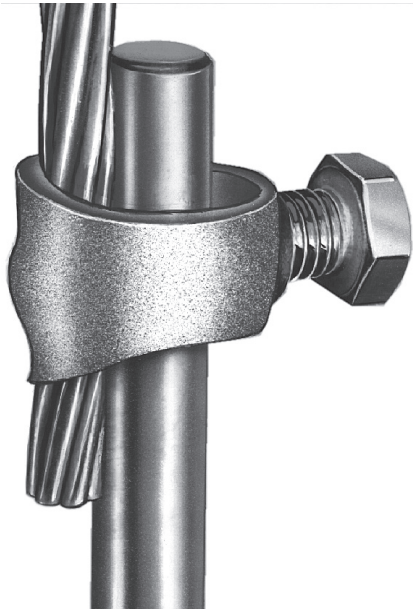
BRONZE GROUND CLAMP

CABLE TO ROD

BRONZE
GC103

Heavy duty, bronze alloy ground clamp for grounding copper cable parallel to a ground rod in high pressure applications.

Material: Castings—bronze alloy
Hardware—stainless steel



Product Data & Conductor Size							
CATALOG NUMBER	COPPER CABLE RANGE	ROD DIA.	DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
			L	H	W	J	
GC10301	#4 Sol.-4/0 Str.	1/2	1-1/8	1-3/4	1-1/4	1/2	.24
	#8 Sol.-2/0 Str.	5/8	(28.58)	(44.45)	(30.16)	(12.7)	(.11)
GC10302	#4 Sol.-4/0 Str.	5/8	1-1/4	2	1-3/8	1/2	.38
	#8 Sol.-2/0 Str.	3/4	(31.75)	(50.8)	(34.92)	(12.7)	(.17)
GC10303	#4 Sol.-250 MCM	3/4	1-3/8	2-1/4	1-5/8	1/2	.51
			(34.92)	(57.15)	(41.28)	(12.7)	(.23)

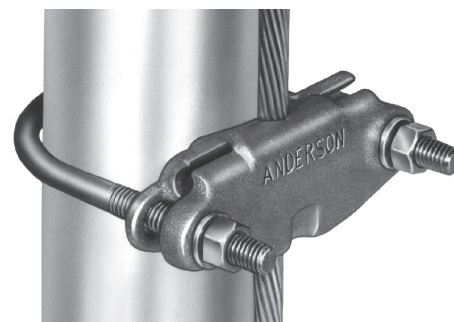
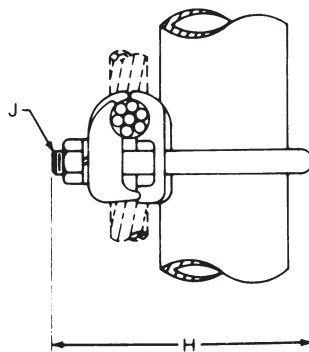
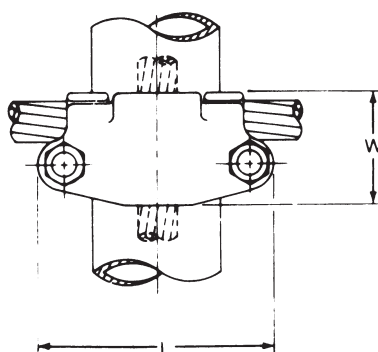
SF
16

MISCELLANEOUS AND GROUNDING BRONZE GROUND CLAMP CABLE TO ROD OR TUBE

BRONZE
GC111

Bronze alloy ground clamp for clamping a copper cable to ground rod to tube in either vertical or horizontal direction.

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



Product Data & Conductor Size

CATALOG NUMBER	COPPER CONDUCTOR RANGE		ROD/TUBE SIZE		DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
	CABLE	CABLE DIA.	O.D.	IPS	L	H	W	J	
GC1112A	#8 Sol.-#4 Str.	.128-.232 (3.25-5.89)	1/2 - 3/4	1/4 - 3/8	2 (50.8)	2-3/8 (60.32)	1-1/8 (28.58)	3/8 (9.52)	.5 (.23)
GC1112B	#4 Sol.-2/0 Str.	.204-.419 (5.18-10.64)			2 (50.8)	2-5/8 (66.68)	1-5/8 (41.28)	3/8 (9.52)	.5 (.23)
GC1112C3	2/0 Sol.-250 MCM	.365-.575 (9.27-14.6)			2-1/4 (57.15)	2-5/8 (66.68)	1-7/8 (47.62)	3/8 (9.52)	.75 (.34)
GC1112D	250-500 MCM	.574-.813 (14.58-20.65)			2-3/8 (60.32)	3-1/4 (82.55)	2-1/4 (57.15)	1/2 (12.7)	1.75 (.79)
GC1113A	#8 Sol.-#4 Str.	.128-.232 (3.25-5.89)	5/8 - 1	3/8 - 3/4	2-3/4 (69.85)	2-3/8 (60.32)	1-1/8 (28.58)	3/8 (9.52)	.5 (.23)
GC1113B	#4 Sol.-2/0 Str.	.204-.419 (5.18-10.64)			2-3/8 (60.32)	3-1/8 (79.38)	1-5/8 (41.28)	3/8 (9.52)	.75 (.34)
GC1113C3	2/0 Sol.-250 MCM	.365-.575 (9.27-14.6)			2-5/8 (66.68)	3-1/8 (79.38)	1-7/8 (47.62)	3/8 (9.52)	1.0 (.45)
GC1113D	250-500 MCM	.574-.813 (14.58-20.65)			2-5/8 (66.68)	3-1/8 (79.38)	2-1/4 (57.15)	1/2 (12.7)	2.0 (.91)
GC1114A	#8 Sol.-#4 Str.	.128-.232 (3.25-5.89)	1 - 1-1/4	3/4 - 1	2-5/8 (66.68)	3 (76.2)	1-1/8 (28.58)	3/8 (9.52)	.75 (.34)
GC1114B	#4 Sol.-2/0 Str.	.204-.419 (5.18-10.64)			2-5/8 (66.68)	3-1/2 (88.9)	1-5/8 (41.28)	3/8 (9.52)	1.0 (.45)
GC1114C	2/0 Sol.-250 MCM	.365-.575 (9.27-14.6)			2-7/8 (73.02)	3-7/8 (98.42)	1-7/8 (47.62)	1/2 (12.7)	1.75 (.79)
GC1114D	250-500 MCM	.574-.813 (14.58-20.65)			2-7/8 (73.02)	4 (101.6)	2-1/4 (57.15)	1/2 (12.7)	2.3 (1.04)
GC1115A	#8 Sol.-#4 Str.	.128-.232 (3.25-5.89)	1-3/4	1-1/4	3-1/8 (79.38)	3-3/8 (85.72)	1-1/8 (28.58)	3/8 (9.52)	1.0 (.45)
GC1115B	#4 Sol.-2/0 Str.	.204-.419 (5.18-10.64)			3-1/8 (79.38)	3-3/4 (95.25)	1-5/8 (41.28)	3/8 (9.52)	1.0 (.45)
GC1115C	2/0 Sol.-250 MCM	.365-.575 (9.27-14.6)			3-3/8 (85.72)	4-3/8 (111.12)	1-7/8 (47.62)	1/2 (12.7)	1.6 (.72)
GC1115D	250-500 MCM	.574-.813 (14.58-20.65)			2-3/8 (60.32)	4-1/2 (114.3)	2-1/4 (57.15)	1/2 (12.7)	2.3 (1.04)

Continued on next page



MISCELLANEOUS AND GROUNDING BRONZE GROUND CLAMP CABLE TO ROD OR TUBE (CONTINUED)

Product Data & Conductor Size									
CATALOG NUMBER	COPPER CONDUCTOR RANGE		ROD/TUBE SIZE		DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
	CABLE	CABLE DIA.	O.D.	IPS	L	H	W	J	
GC1116A	#8 Sol.-#4 Str.	.128-.232 (3.25-5.89)	2	1-1/2	3-1/4 (82.55)	3-5/8 (92.08)	1-1/8 (28.58)	3/8 (9.52)	1.0 (.45)
GC1116B	#4 Sol.-2/0 Str.	.204-.419 (5.18-10.64)			3-1/4 (82.55)	4 (101.6)	1-5/8 (41.28)	3/8 (9.52)	1.0 (.45)
GC1116C	2/0 Sol.-250 MCM	.365-.575 (9.27-14.6)			3-5/8 (92.08)	4-1/2 (114.3)	1-7/8 (47.62)	1/2 (12.7)	1.9 (.86)
GC1116D	250-500 MCM	.574-.813 (14.58-20.65)			3-5/8 (92.08)	4-3/4 (120.65)	2-1/4 (57.15)	1/2 (12.7)	2.5 (1.13)
GC1117A	#8 Sol.-#4 Str.	.128-.232 (3.25-5.89)	2-1/2	2	3-7/8 (98.42)	4-1/8 (104.78)	1-1/8 (28.58)	3/8 (9.52)	1.0 (.45)
GC1117B	#4 Sol.-2/0 Str.	.204-.419 (5.18-10.64)			3-7/8 (98.42)	4-1/2 (114.3)	1-5/8 (41.28)	3/8 (9.52)	1.3 (.59)
GC1117C	2/0 Sol.-250 MCM	.365-.575 (9.27-14.6)			4-1/8 (104.78)	5-1/8 (130.08)	1-7/8 (47.62)	1/2 (12.7)	2.2 (1.00)
GC1117D	250-500 MCM	.574-.813 (14.58-20.65)			4-1/8 (104.78)	5-1/4 (133.35)	2-1/4 (57.15)	1/2 (12.7)	2.8 (1.27)
GC1118B	#4 Sol.-2/0 Str.	.204-.419 (5.18-10.64)	3	2-1/2	4-1/4 (107.95)	5 (127.0)	1-5/8 (41.28)	3/8 (9.52)	1.3 (.59)
GC1118C	2/0 Sol.-250 MCM	.365-.575 (9.27-14.6)			4-5/8 (117.48)	5-5/8 (142.88)	1-7/8 (47.62)	1/2 (12.7)	2.4 (1.09)
GC1118D	250-500 MCM	.574-.813 (14.58-20.65)			4-5/8 (117.48)	5-3/4 (146.05)	2-1/4 (57.15)	1/2 (12.7)	3.5 (1.59)
GC1119B	#4 Sol.-2/0 Str.	.204-.419 (5.18-10.64)	3-1/2	3	4-7/8 (123.82)	5-1/2 (139.7)	1-5/8 (41.28)	3/8 (9.52)	1.8 (.82)
GC1119C	2/0 Sol.-250 MCM	.365-.575 (9.27-14.6)			5-1/8 (130.08)	6-1/8 (155.58)	1-7/8 (47.62)	1/2 (12.7)	2.5 (1.13)
GC1119D	250-500 MCM	.574-.813 (14.58-20.65)			5-1/8 (130.08)	6-1/4 (158.75)	2-1/4 (57.15)	1/2 (12.7)	4.0 (1.81)
GC11110B	#4 Sol.-2/0 Str.	.204-.419 (5.18-10.64)	4	3-1/2	5-3/8 (136.52)	6 (152.4)	1-5/8 (41.28)	3/8 (9.52)	2.0 (.91)
GC11110C	2/0 Sol.-250 MCM	.365-.575 (9.27-14.6)			5-5/8 (142.88)	6-5/8 (168.28)	1-7/8 (47.62)	1/2 (12.7)	2.8 (1.27)
GC11111B	#4 Sol.-2/0 Str.	.204-.419 (5.18-10.64)	4-1/2	4	5 7/8 (149.22)	6-1/2 (165.1)	1-5/8 (41.28)	3/8 (9.52)	2.3 (1.04)
GC11111C	2/0 Sol.-250 MCM	.365-.575 (9.27-14.6)			6-1/8 (155.58)	7-1/4 (184.15)	1-7/8 (47.62)	1/2 (12.7)	3.2 (1.45)
GC11111D	250-500 MCM	.574-.813 (14.58-20.65)			6-1/8 (155.58)	7-1/4 (184.15)	2-1/4 (57.15)	1/2 (12.7)	5.3 (2.40)
GC11113B	#4 Sol.-2/0 Str.	.204-.419 (5.18-10.64)	5-5/8	5	7-7/8 (200.02)	8-1/2 (215.9)	1-5/8 (41.28)	3/8 (9.52)	2.7 (1.22)
GC11113C	2/0 Sol.-250 MCM	.365-.575 (9.27-14.6)			8-1/8 (206.38)	9-1/4 (234.9)	1-7/8 (47.62)	1/2 (12.7)	3.8 (1.72)
GC11114B	#4 Sol.-2/0 Str.	.204-.419 (5.18-10.64)	6-5/8	6	7-7/8 (200.02)	8-1/2 (215.9)	1-5/8 (41.28)	3/8 (9.52)	4.9 (2.22)
GC11114C	2/0 Sol.-250 MCM	.365-.575 (9.27-14.6)			8-1/8 (206.38)	9-1/4 (234.9)	1-7/8 (47.62)	1/2 (12.7)	6.0 (2.72)

SF
18

MISCELLANEOUS AND GROUNDING

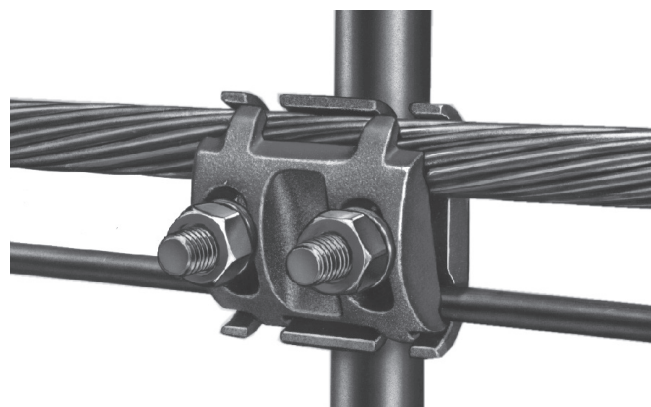
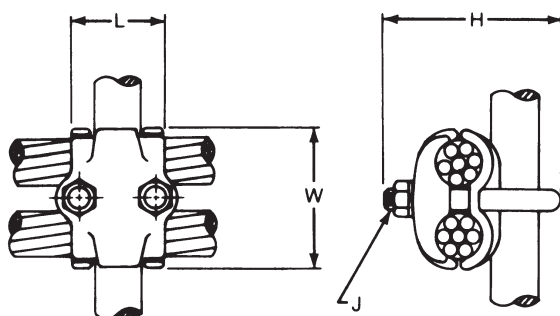
BRONZE GROUND CLAMP

TWO CABLES TO ROD OR TUBE

BRONZE
GC115

Bronze alloy ground clamp for clamping two parallel copper cables perpendicular to a ground rod or tube.

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



Product Data & Conductor Size

CATALOG NUMBER	COPPER CONDUCTOR RANGE		ROD/TUBE SIZE		DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
	CABLE	CABLE DIA.	O.D.	IPS	L	H	W	J	
GC1152A	#8 Sol.-#4 Str.	.128-.232 (3.25-5.89)	1/2 - 3/4	1/4 - 3/8	2 (50.8)	2-3/8 (60.32)	1-1/4 (31.75)	3/8 (9.52)	.5 (.23)
GC1152B	#4 Sol.-2/0 Str.	.204-.419 (5.18-10.64)			2 (50.8)	2-5/8 (66.68)	1-3/4 (44.45)	3/8 (9.52)	.5 (.23)
GC1152C3	2/0 Sol.-250 MCM	.365-.575 (9.27-14.6)			2 (50.8)	2-5/8 (66.68)	2 (50.8)	3/8 (9.52)	.75 (.34)
GC1153A	#8 Sol.-#4 Str.	.128-.232 (3.25-5.89)	5/8 - 1	3/8 - 3/4	2-3/8 (60.32)	2-1/2 (60.32)	1-1/4 (31.75)	3/8 (9.52)	.5 (.23)
GC1153B	#4 Sol.-2/0 Str.	.204-.419 (5.18-10.64)			2-3/8 (60.32)	3-1/8 (79.38)	1-3/4 (44.45)	3/8 (9.52)	.75 (.34)
GC1153C3	2/0 Sol.-250 MCM	.365-.575 (9.27-14.6)			2-3/8 (60.32)	3-1/8 (79.38)	2 (50.8)	3/8 (9.52)	1.0 (.45)
GC1154A	#8 Sol.-#4 Str.	.128-.232 (3.25-5.89)	1 - 1-1/4	3/4 - 1	2-5/8 (66.68)	3-1/4 (82.55)	1-1/4 (31.75)	3/8 (9.52)	.75 (.34)
GC1154B	#4 Sol.-2/0 Str.	.204-.419 (5.18-10.64)			2-5/8 (66.68)	3-1/4 (82.55)	1-3/4 (44.45)	3/8 (9.52)	1.0 (.45)
GC1154C	2/0 Sol.-250 MCM	.365-.575 (9.27-14.6)			3 (76.2)	3-7/8 (98.42)	2-1/8 (50.8)	1/2 (12.7)	1.75 (.79)
GC1155A	#8 Sol.-#4 Str.	.128-.232 (3.25-5.89)	1-3/4	1-1/4	3-1/8 (79.38)	3-1/8 (85.72)	1-1/4 (31.75)	3/8 (9.52)	1.0 (.45)
GC1155B	#4 Sol.-2/0 Str.	.204-.419 (5.18-10.64)			3-1/8 (79.38)	3-5/8 (92.08)	1-3/4 (44.45)	3/8 (9.52)	1.0 (.45)
GC1155C	2/0 Sol.-250 MCM	.365-.575 (9.27-14.6)			3-3/8 (85.72)	4-1/4 (107.95)	2-1/8 (50.8)	1/2 (12.7)	1.6 (.72)
GC1156A	#8 Sol.-#4 Str.	.128-.232 (3.25-5.89)	2	1-1/2	3-3/8 (85.72)	3-1/4 (82.55)	1-1/4 (31.75)	3/8 (9.52)	1.0 (.45)
GC1156B	#4 Sol.-2/0 Str.	.204-.419 (5.18-10.64)			3-3/8 (85.72)	4-1/8 (104.78)	1-3/4 (44.45)	3/8 (9.52)	1.0 (.45)
GC1156C	2/0 Sol.-250 MCM	.365-.575 (9.27-14.6)			3-5/8 (92.08)	4-1/4 (107.95)	2-1/8 (50.8)	1/2 (12.7)	1.9 (.86)

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MISCELLANEOUS AND GROUNDING BRONZE GROUND CLAMP TWO CABLES TO ROD OR TUBE (CONTINUED)

Product Data & Conductor Size									
CATALOG NUMBER	COPPER CONDUCTOR RANGE		ROD/TUBE SIZE		DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
	CABLE	CABLE DIA.	O.D.	IPS	L	H	W	J	
GC1157B	#4 Sol.-2/0 Str.	.204-.419 (5.18-10.64)	2-1/2	2	3-7/8 (98.42)	4-3/8 (111.12)	1-3/4 (44.45)	3/8 (9.52)	1.3 (.59)
GC1157C	2/0 Sol.-250 MCM	.365-.575 (9.27-14.6)			4-1/8 (104.78)	5 (127.0)	2-1/8 (50.8)	1/2 (12.7)	2.2 (1.00)
GC1158B	#4 Sol.-2/0 Str.	.204-.419 (5.18-10.64)	3	2-1/2	4-3/8 (111.12)	5 (127.0)	1-3/4 (44.45)	3/8 (9.52)	1.3 (.59)
GC1158C	2/0 Sol.-250 MCM	.365-.575 (9.27-14.6)			4-5/8 (117.48)	5-1/2 (139.7)	2-1/8 (50.8)	1/2 (12.7)	2.4 (1.09)
GC1159B	#4 Sol.-2/0 Str.	.204-.419 (5.18-10.64)	3-1/2	3	4-7/8 (123.82)	5-1/8 (136.52)	1-3/4 (44.45)	3/8 (9.52)	1.8 (.82)
GC11510B	#4 Sol.-2/0 Str.	.204-.419 (5.18-10.64)	4	3-1/2	5-3/8 (136.52)	6 (152.4)	1-3/4 (44.45)	3/8 (9.52)	2.0 (.91)
GC11510C	2/0 Sol.-250 MCM	.365-.575 (9.27-14.6)			5-5/8 (142.88)	6-1/2 (165.1)	2-1/8 (50.8)	1/2 (12.7)	2.8 (1.27)
GC11511B	#4 Sol.-2/0 Str.	.204-.419 (5.18-10.64)	4-1/2	4	5 7/8 (149.22)	6-1/2 (165.1)	1-3/4 (44.45)	3/8 (9.52)	2.3 (1.04)
GC11511C	2/0 Sol.-250 MCM	.365-.575 (9.27-14.6)			6-1/8 (155.58)	6-7/8 (174.62)	2-1/8 (50.8)	1/2 (12.7)	3.2 (1.45)

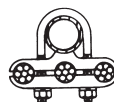
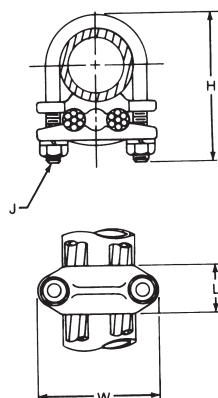
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20

MISCELLANEOUS AND GROUNDING BRONZE GROUND CLAMP ONE, TWO, OR THREE CABLES TO ROD OR TUBE

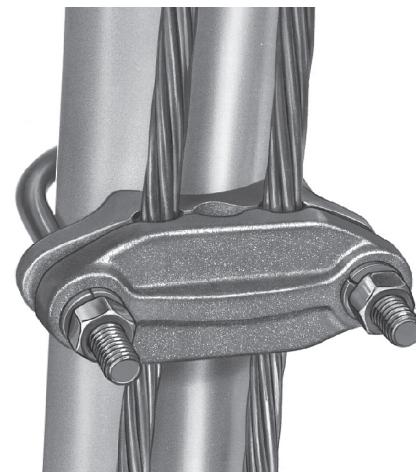
BRONZE
GC110

Bronze alloy ground clamp for clamping one, two or three parallel copper cables parallel to a ground rod or tube.

Material: **Castings**—bronze alloy
Hardware—silicon bronze and stainless steel



▲Wide Design Construction for some sizes.



Product Data & Conductor Size

CATALOG NUMBER	COPPER CONDUCTOR RANGE		ROD/TUBE SIZE		DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
	CABLE	CABLE DIA.	O.D.	IPS	L	H	W	J	
▲ GC11022D	2/0 Sol.-250 MCM	.365-.575 (9.27-14.6)	3/4	1/2	1-1/8 (28.58)	3 (76.2)	3-1/8 (79.38)	3/8 (9.52)	.74 (.34)
▲ GC11031D	#4 Sol.-2/0 Str.	.204-.419 (5.18-10.64)	1	3/4	1-1/8 (28.58)	3-1/8 (79.38)	3-1/4 (82.55)	3/8 (9.52)	.80 (.36)
▲ GC11032D	2/0 Sol.-250 MCM	.365-.575 (9.27-14.6)			1-1/8 (28.58)	3-1/8 (79.38)	3-1/4 (82.55)	3/8 (9.52)	.82 (.37)
▲ GC11041C	#4 Sol.-2/0 Str.	.204-.419 (5.18-10.64)	1-1/4	1	1-1/8 (28.58)	2-3/8 (60.82)	3-1/2 (88.9)	3/8 (9.52)	.93 (.42)
▲ GC11042D	2/0 Sol.-250 MCM	.365-.575 (9.27-14.6)			1-1/8 (28.58)	3-1/2 (88.9)	4-3/8 (111.12)	3/8 (9.52)	1.10 (.50)
▲ GC11051C	#4 Sol.-2/0 Str.	.204-.419 (5.18-10.64)	1-1/2	1-1/4	1-3/8 (34.92)	3-7/8 (98.42)	4-3/8 (111.12)	3/8 (9.52)	1.12 (.51)
▲ GC11052D	2/0 Sol.-250 MCM	.365-.575 (9.27-14.6)			1-3/8 (34.92)	3-7/8 (98.42)	4-3/8 (111.12)	3/8 (9.52)	1.14 (.52)
▲ GC11053D	250-500 MCM	.574-.813 (14.58-20.65)			1-3/8 (34.92)	3-7/8 (98.42)	4-3/4 (120.65)	3/8 (9.52)	1.20 (.54)
GC11061C	#4 Sol.-2/0 Str.	.204-.419 (5.18-10.64)	2	1-1/2	1-1/2 (38.1)	4 (101.6)	3-3/8 (85.72)	3/8 (9.52)	1.20 (.54)
GC11062C	2/0 Sol.-250 MCM	.365-.575 (9.27-14.6)			1-1/2 (38.1)	4-1/8 (104.78)	3-3/8 (85.72)	3/8 (9.52)	1.24 (.56)
GC11063D	250-500 MCM	.574-.813 (14.58-20.65)			1-1/2 (38.1)	4-1/2 (114.3)	4-1/2 (114.3)	1/2 (12.7)	1.34 (.61)
GC11081C	#4 Sol.-2/0 Str.	.204-.419 (5.18-10.64)	2-1/2	2	1-1/2 (38.1)	4-3/8 (111.12)	3-3/4 (96.25)	3/8 (9.52)	1.50 (.68)
GC11082C	2/0 Sol.-250 MCM	.365-.575 (9.27-14.6)			1-1/2 (38.1)	4-5/8 (117.48)	3-3/4 (96.25)	3/8 (9.52)	1.65 (.75)
GC11083D	250-500 MCM	.574-.813 (14.58-20.65)			1-5/8 (41.28)	5 (127.0)	5-7/8 (149.22)	1/2 (12.7)	1.65 (.75)

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MISCELLANEOUS AND GROUNDING BRONZE GROUND CLAMP ONE, TWO, OR THREE CABLES TO ROD OR TUBE (CONTINUED)

Product Data & Conductor Size									
CATALOG NUMBER	COPPER CONDUCTOR RANGE		ROD/TUBE SIZE		DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
	CABLE	CABLE DIA.	O.D.	IPS	L	H	W	J	
GC110101C	#4 Sol.-2/O Str.	.204-.419 (5.18-10.64)	3	2-1/2	1-1/2 (38.1)	5 (127.0)	4-1/2 (123.82)	3/8 (9.52)	1.65 (.75)
GC110102C	2/O Sol.-250 MCM	.365-.575 (9.27-14.6)			1-1/2 (38.1)	5-1/8 (136.52)	4-7/8 (123.82)	1/2 (12.7)	1.92 (.87)
GC110103C	250-500 MCM	.574-.813 (14.58-20.65)			1-5/8 (41.28)	5-7/8 (149.22)	4-5/8 (117.48)	1/2 (12.7)	2.2 (1.00)
GC110121C	#4 Sol.-2/O Str.	.204-.419 (5.18-10.64)	3-1/2	3	1-1/2 (38.1)	5-3/4 (146.06)	5 (127.0)	3/8 (9.52)	2.34 (1.06)
GC110122C	2/O Sol.-250 MCM	.365-.575 (9.27-14.6)			1-1/4 (31.75)	5-3/4 (146.06)	4-7/8 (123.82)	3/8 (9.52)	2.34 (1.06)
GC110123C	250-500 MCM	.574-.813 (14.58-20.65)			1-5/8 (41.28)	6-1/4 (158.75)	5-1/4 (133.35)	1/2 (12.7)	2.40 (1.09)
GC110141C	#4 Sol.-2/O Str.	.204-.419 (5.18-10.64)	4	3-1/2	1-1/2 (38.1)	6-7/8 (174.62)	5-3/8 (136.52)	3/8 (9.52)	2.40 (1.09)
GC110142C	2/O Sol.-250 MCM	.365-.575 (9.27-14.6)			1-1/2 (38.1)	6 (152.4)	5-3/8 (136.52)	3/8 (9.52)	2.50 (1.13)
GC110143C	250-500 MCM	.574-.813 (14.58-20.65)			1-5/8 (41.28)	6-5/8 (168.28)	5-5/8 (142.88)	1/2 (12.7)	2.70 (1.22)
GC110161C	#4 Sol.-2/O Str.	.204-.419 (5.18-10.64)	4-1/2	4	1-5/8 (41.28)	6-3/4 (171.45)	6 (152.4)	3/8 (9.52)	3.02 (1.37)
GC110162C	2/O Sol.-250 MCM	.365-.575 (9.27-14.6)			1-1/2 (38.1)	6-1/2 (165.1)	5-7/8 (149.22)	3/8 (9.52)	3.75 (1.70)
GC110163C	250-500 MCM	.574-.813 (14.58-20.65)			1-5/8 (41.28)	6 (152.4)	6-1/8 (155.58)	1/2 (12.7)	3.85 (1.75)

▲ Wide Design Construction

MISCELLANEOUS AND GROUNDING

BRONZE GROUND CLAMP

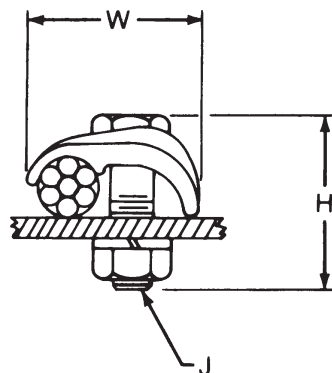
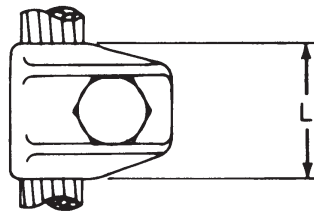
CABLE TO FLAT

BRONZE
GC140

Bronze alloy ground clamp for clamping a copper cable to a flat bar.

Material: **Castings**—bronze alloy
Hardware—stainless steel and galvanized steel

Note: Bolts furnished are for clamping to 1/4" flat bar. If longer bolts are required, add bar thickness to catalog number.
Example: GC1400112 for 1/2" bar.



Product Data & Conductor Size

CATALOG NUMBER		COPPER CONDUCUTOR RANGE		DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
STAINLESS STEEL HARDWARE	GALVANIZED STEEL HARDWARE	CABLE	CABLE DIA.	L	H	W	J	
GC14001	GC140G1	#4 Sol.-2/0 Str.	.204-.419 (5.18-10.64)	1-5/8 (41.28)	2-1/8 (53.98)	1-3/4 (44.45)	1/2 (12.7)	.30 (.14)
GC14002	GC140G2	2/0 Sol.-250 MCM	.365-.575 (9.27-14.6)	1-5/8 (41.28)	2-1/8 (53.98)	1-1/2 (38.1)	3/8 (9.52)	.42 (.19)
GC14003	GC140G3	300-500 MCM	.629-.813 (15.98-20.65)	2 (50.8)	2-1/8 (53.98)	2 (50.8)	1/2 (12.7)	.54 (.24)

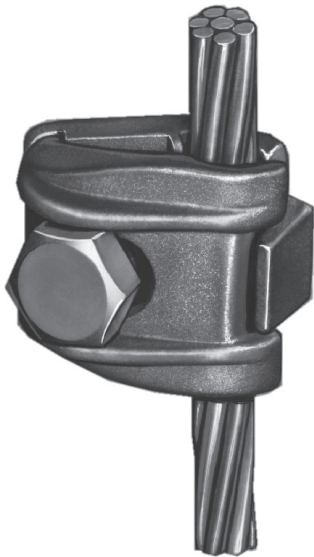


MISCELLANEOUS AND GROUNDING

BRONZE GROUND CLAMP

CABLE TO FLAT

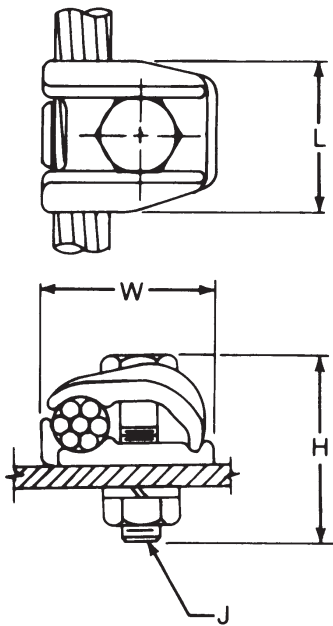
BRONZE
GC141



Bronze alloy ground clamp for clamping a copper cable to flat bar. Cable groove in bottom piece prevents excessive cable distortion.

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

Note: Bolts furnished are for clamping to 1/4" flat bar. If longer bolts are required, add bar thickness to catalog number.
Example: GC1410112 for 1/2" bar.



Product Data & Conductor Size								
CATALOG NUMBER		COPPER CONDCUTOR RANGE		DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
STAINLESS STEEL HARDWARE	GALVANIZED STEEL HARDWARE	CABLE	CABLE DIA.	L	H	W	J	
GC14101	GC141G1	#6 Sol-2/0 Str.	.162-.419 (4.11-10.64)	1-1/4 (31.75)	2 (50.8)	1-5/8 (41.28)	1/2 (12.7)	.42 (.19)
GC141A02	GC141AG2	#4 Sol-300 MCM	.204-.630 (5.18-16.0)	1-1/2 (38.1)	2-1/8 (53.98)	1-7/8 (47.62)	1/2 (12.7)	.50 (.23)
GC14103	GC141G3	300-500 MCM	.629-.813 (15.98-20.65)	2 (50.8)	2-3/8 (60.32)	2-1/2 (63.5)	1/2 (12.7)	.95 (.43)
GC14107	—	#4 Sol-300 MCM	.204-.630 (5.18-16.0)	1-3/4 (44.45)	2-1/4 (57.15)	2-1/8 (53.98)	5/8 (15.88)	.88 (.40)

SF
24

MISCELLANEOUS AND GROUNDING

BRONZE GROUND CLAMP

TWO CABLES TO FLAT

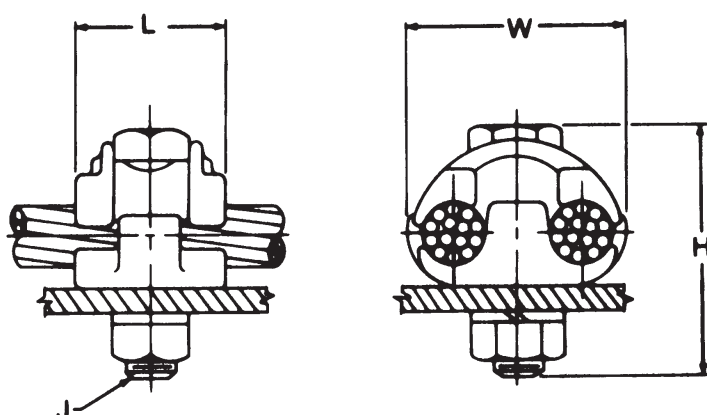
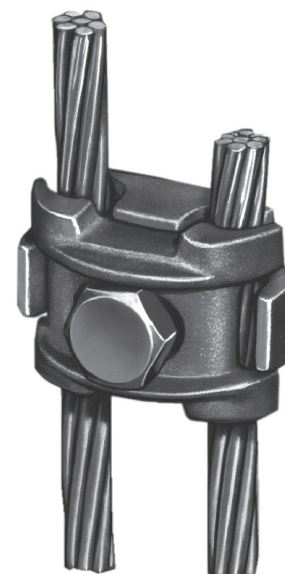
BRONZE
GC143

Bronze alloy ground clamp for clamping two copper cables to a flat bar. Cable grooves in bottom piece prevents excessive cable distortion.

Material: **Castings**—bronze alloy
Hardware—stainless steel and galvanized steel

Note: Bolts furnished are for clamping to 1/4" flat bar. If longer bolts are required, add bar thickness to catalog number.

Example: GC1430112 for 1/2" bar.



Product Data & Conductor Size

CATALOG NUMBER		COPPER CABLE RANGE	DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
STAINLESS STEEL HARDWARE	GALVANIZED STEEL HARDWARE		L	H	W	J	
GC14301	GC143G1	#4 Sol.-2/0 Str.	1-1/2 (38.1)	2-1/4 (57.15)	2 (50.8)	3/8 (9.52)	.60 (.27)
GC143A02	GC143AG2	#4 Sol.-300 MCM	1-1/2 (38.1)	2-5/8 (66.68)	2-1/4 (57.15)	1/2 (12.7)	.70 (.32)
GC143B02	—	#4 Sol.-250 MCM	1-3/4 (44.45)	2-3/4 (69.85)	2-5/16 (58.74)	5/8 (15.88)	.90 (.41)
GC14303	GC143G3	300-500 MCM	2 (50.8)	2-3/4 (69.85)	2-5/8 (66.68)	1/2 (12.7)	.85 (.38)

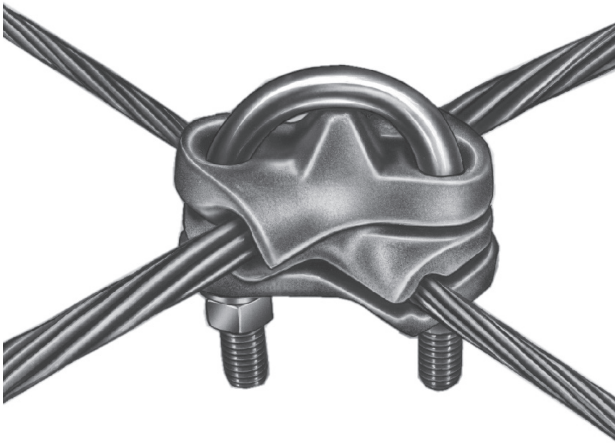
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25



MISCELLANEOUS AND GROUNDING BRONZE GROUND CLAMP CABLE TO CABLE (CROSS CONNECTOR)

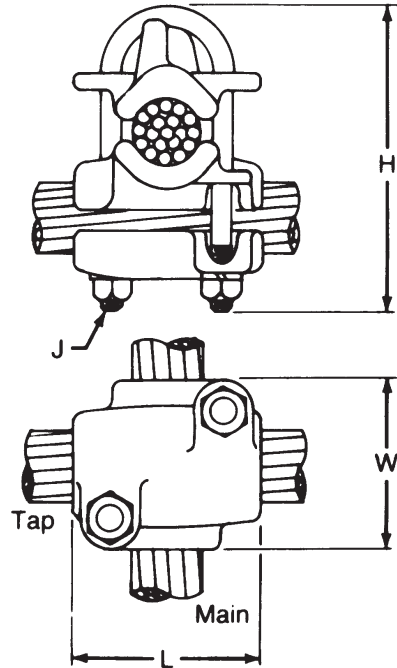
BRONZE

GC113



Bronze alloy ground clamp for cross connecting copper cable to copper cable. Can be used in concrete and underground.

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



Product Data & Conductor Size

CATALOG NUMBER	COPPER CABLE RANGE		DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
	MAIN	TAP	L	H	W	J	
GC113AA	#4 Sol.-2/0 Str.	#4 Sol.-2/0 Str.	2-1/8 (53.98)	2-3/4 (69.85)	2-1/8 (53.98)	3/8 (9.52)	.95 (.43)
GC113BA	2/0 Sol.-250 MCM	#4 Sol.-2/0 Str.	2-1/8 (53.98)	3 (76.2)	2-1/8 (53.98)	3/8 (9.52)	1.0 (.45)
GC113BB	2/0 Sol.-250 MCM	2/0 Sol.-250 MCM	2-3/8 (60.32)	3 (76.2)	2-3/8 (60.32)	3/8 (9.52)	1.50 (.68)
GC113CA	250-500 MCM	#4 Sol.-2/0 Str.	2-1/8 (53.98)	3-3/8 (85.72)	2-1/8 (53.98)	3/8 (9.52)	1.10 (.50)
GC113CB		2/0 Sol.-250 MCM	2-3/8 (60.32)	3-3/8 (85.72)	2-3/8 (60.32)	3/8 (9.52)	1.20 (.54)
GC113CC		250-500 MCM	2-1/2 (63.5)	4-1/4 (107.95)	2-1/2 (63.5)	1/2 (12.7)	1.90 (.86)

MISCELLANEOUS AND GROUNDING BRONZE GROUND CLAMP FLEXIBLE BRAID TO ROD OR TUBE

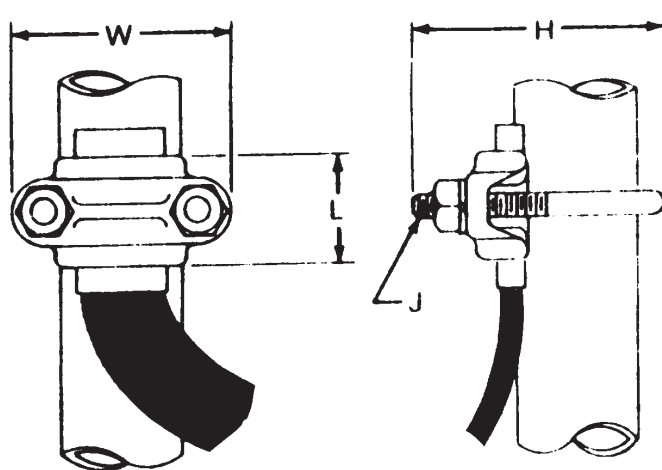
BRONZE

GC109

Bronze alloy ground clamp for clamping flexible copper grounding braid to a copper rod or tube.

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

Note: Refer to type GB for flexible copper groundbraid. Ordered separately.



Product Data & Conductor Size

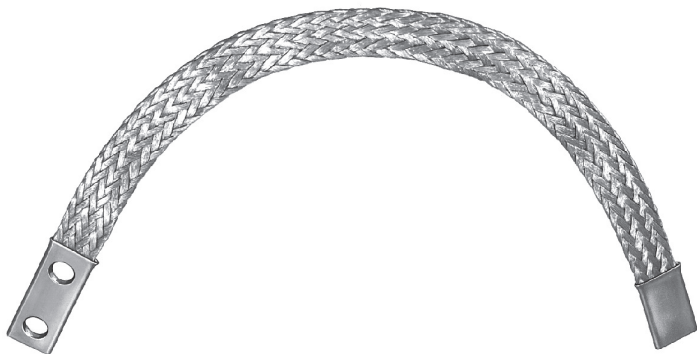
CATALOG NUMBER	ROD/TUBE SIZE		DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
	O.D.	IPS	L	H	W	J	
GC10903	1	3/4	1-1/4 (31.75)	2-1/2 (63.5)	2-3/8 (60.32)	3/8 (9.52)	.50 (.23)
GC10904	1-1/4	1	1-1/2 (38.1)	3-1/4 (82.55)	2-3/4 (69.85)	3/8 (9.52)	.62 (.28)
GC10905	1-1/2	1-1/4	1-1/2 (38.1)	3-1/2 (88.9)	3 (76.2)	3/8 (9.52)	.70 (.32)
GC10906	2	1-1/2	1-3/4 (44.45)	3-1/4 (82.55)	3-3/8 (85.72)	3/8 (9.52)	.75 (.34)
GC10907	2-1/2	2	2 (50.8)	4-3/8 (111.12)	3-7/8 (98.42)	3/8 (9.52)	1.0 (.45)
GC10908	3	2-1/2	2 (50.8)	4-1/2 (114.3)	4-7/8 (123.82)	1/2 (12.7)	1.65 (.75)
GC10909	3-1/2	3	2 (50.8)	5-1/2 (139.7)	5-1/4 (133.35)	1/2 (12.7)	1.75 (.79)
GC10910	4	3-1/2	2-1/4 (57.15)	6 (152.4)	5-3/4 (146.05)	1/2 (12.7)	2.0 (.91)
GC10911	4-1/2	4	2-1/2 (63.5)	6 (152.4)	6-1/4 (158.75)	1/2 (12.7)	2.5 (1.13)

SF
27



MISCELLANEOUS AND GROUNDING COPPER FLEXIBLE GROUNDING BRAID

BRONZE
GB



Flexible copper grounding braid for use with GC109 ground clamp. Braid is tinned before weaving and is enclosed on both ends by a compressed seamless unplated copper ferrule. One ferrule is drilled per NEMA standards and the other ferrule is blank.

Material: **Braid**—tinned copper
 Ferrules—copper

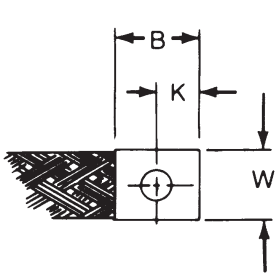


Fig. 1

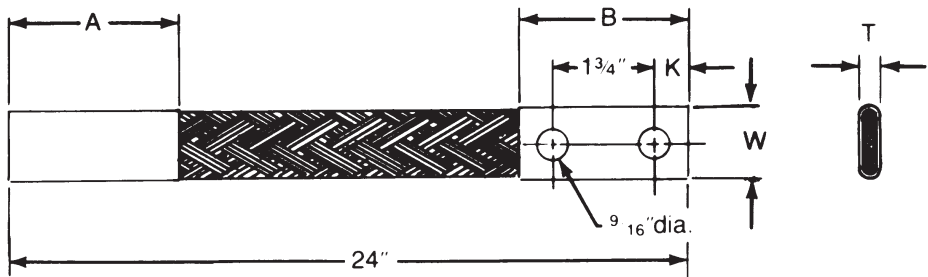


Fig. 2

Product Data & Conductor Size

CATALOG NUMBER	FIG. NO.	CIRCULAR MILS OF BRAIDS	APPROX. AMPERE RATING	DIMENSIONS INCHES (MM)					APPROX. WT. EACH LBS. (KG)
				A	B	K	T	W	
GB1003A	1	77,184	100	2 (50.8)	1-1/2 (38.1)	3/4 (19.05)	3/16 (4.76)	1-1/8 (28.58)	.80 (.36)
GB1003B	2	77,184	100	2 (50.8)	3 (76.2)	5/8 (15.88)	3/16 (4.76)	1-1/8 (28.58)	.90 (.41)
GB2005A	1	168,840	200	2 (50.8)	1-1/2 (38.1)	3/4 (19.05)	1/4 (6.35)	1-1/4 (31.75)	1.50 (.68)
GB2005B	2	168,840	200	2 (50.8)	3 (76.2)	5/8 (15.88)	1/4 (6.35)	1-1/4 (31.75)	1.70 (.77)
GB2007A	1	168,840	200	3 (76.2)	1-1/2 (38.1)	3/4 (19.05)	1/4 (6.35)	1-1/4 (31.75)	1.60 (.73)
GB2007B	2	168,840	200	3 (76.2)	3 (76.2)	5/8 (15.88)	1/4 (6.35)	1-1/4 (31.75)	1.80 (.82)

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28

MISCELLANEOUS AND GROUNDING

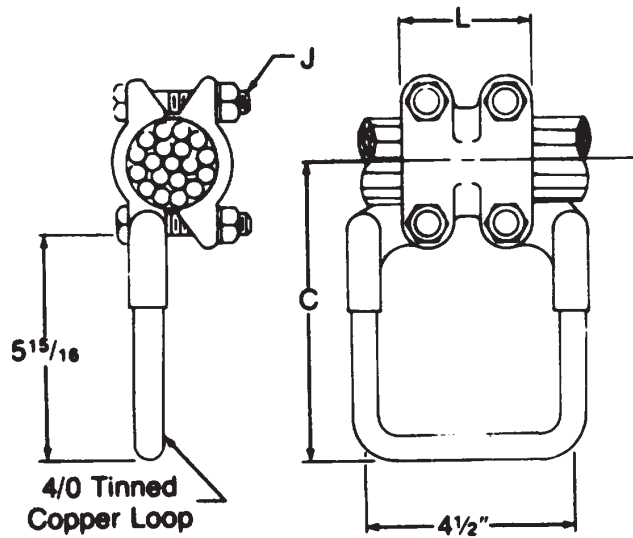
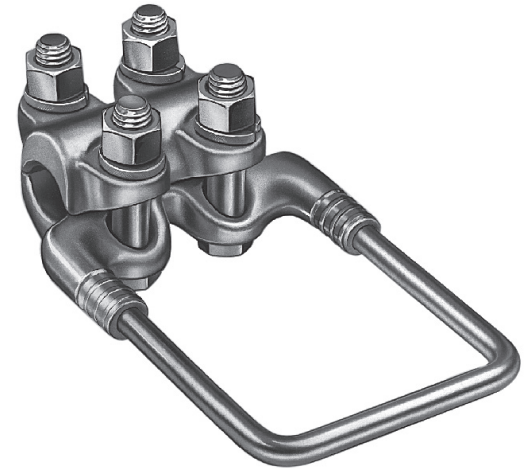
ALUMINUM STIRRUP CLAMP

ALUMINUM CABLE TO TINNED COPPER LOOP

ALUMINUM
ACHLS

Aluminum alloy stirrup clamp for making temporary or permanent ground connections to aluminum cable. The copper stirrup loop is tin plated and is compressed into the body casting. Contact seal-ant is recommended.

Material: **Castings**—356-T6 aluminum alloy
Stirrup—copper tin plated
Hardware—aluminum alloy



Product Data & Conductor Size

CATALOG NUMBER	ALUMINUM CONDUCTOR RANGE			DIMENSIONS INCHES (MM)			APPROX. WT. EACH LBS. (KG)
	AAC	ACSR	DIA.	L	C	J	
ACHLS13	900-1250 MCM	715-1113 MCM	1.081-1.293 (27.46-32.84)	3-3/4 (95.25)	7-3/8 (187.32)	5/8 (15.88)	1.5 (.68)
ACHLS16	1500-2000 MCM	1272 (45/7)-1590 (54/19)	1.382-1.632 (35.10-41.45)	4-1/2 (114.3)	7-5/8 (193.68)	5/8 (15.88)	2.7 (1.22)
ACHLS21	2500-3000 MCM	—	1.824-2.000 (46.33-50.8)	5 (127.0)	7-5/8 (193.68)	5/8 (15.88)	3.7 (1.68)

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29

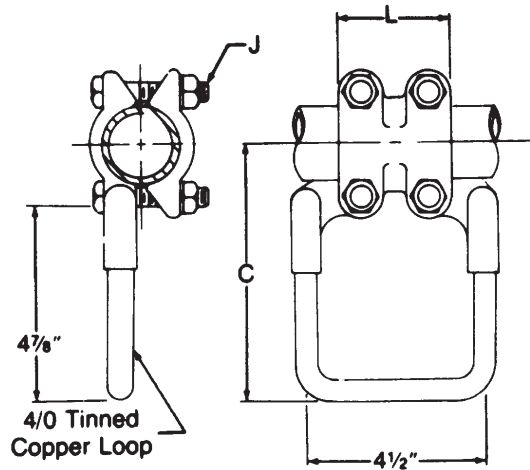
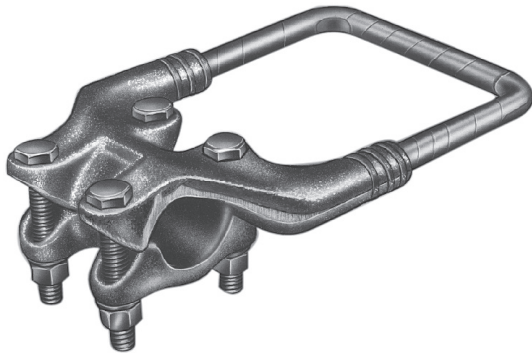


MISCELLANEOUS AND GROUNDING ALUMINUM STIRRUP CLAMP ALUMINUM TUBING TO TINNED COPPER LOOP

ALUMINUM
ATHLS

Aluminum alloy stirrup clamp for making temporary or permanent ground connections to aluminum tubing. The copper stirrup loop is tin plated and is compressed into the body casting. Contact sealant is recommended.

Material: Castings—356-T6 aluminum alloy
Stirrup—copper tin plated
Hardware—aluminum alloy



Product Data & Conductor Size

CATALOG NUMBER	ALUMINUM CONDUCTOR SIZE TUBING IPS/EHIPS	DIMENSIONS INCHES (MM)			APPROX. WT. EACH LBS. (KG)
		L	C	J	
ATHLS10024	1	2-3/4 (69.85)	6-1/4 (158.75)	1/2 (12.7)	1.3 (.59)
ATHLS12024	1-1/4	3 (76.2)	6-3/8 (161.92)	1/2 (12.7)	1.7 (.77)
ATHLS14024	1-1/2	3-1/4 (82.55)	6-1/2 (165.1)	1/2 (12.7)	1.8 (.82)
ATHLS20024	2	3-1/2 (88.9)	6-3/4 (171.45)	1/2 (12.7)	2.0 (.91)
ATHLS24024	2-1/2	3-3/4 (95.25)	7 (177.8)	5/8 (15.88)	3.0 (1.36)
ATHLS30024	3	4 (101.6)	7-3/8 (187.32)	5/8 (15.88)	3.7 (1.68)
ATHLS34024	3-1/2	4-1/4 (107.95)	7-5/8 (193.68)	5/8 (15.88)	3.9 (1.77)
ATHLS40024	4	4-1/4 (107.95)	7-7/8 (200.02)	5/8 (15.88)	4.5 (2.04)
ATHLS50024	5	5 (127)	8-5/16 (211.1)	5/8 (15.88)	6 (2.72)
ATHLS60024	6	6 (152)	9 (228.6)	5/8 (15.88)	8 (3.63)

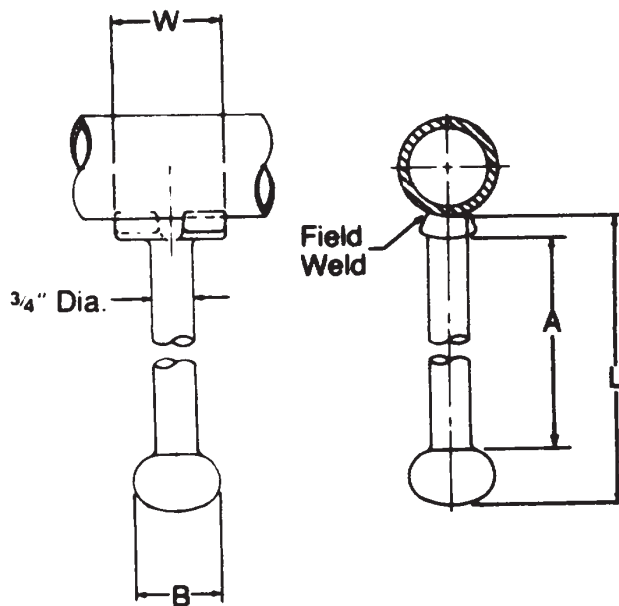
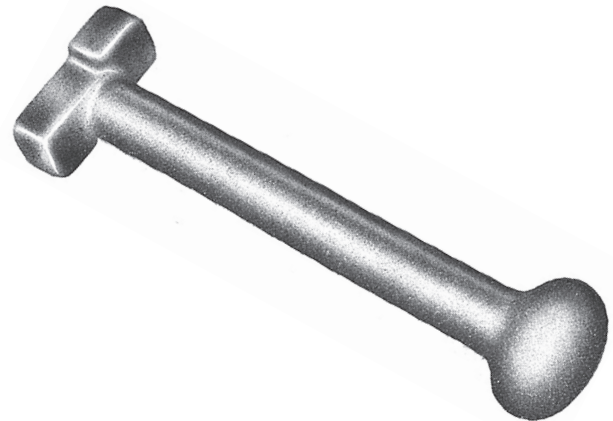
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30

WELDED GROUNDING STUD FOR TUBE

ALUMINUM
WTESR

Aluminum alloy weldment range-taking grounding stud for temporary safety grounding to aluminum tubing.

Material: Casting—356-T6 aluminum alloy



Product Data & Conductor Size						
CATALOG NUMBER	ALUMINUM CONDUCTOR SIZE TUBING IPS/EHIPS	DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
		L	A	W	B	
WTESR1024	1 - 2-1/2	7-3/8 (187.32)	6 (152.4)	2 (50.8)	1-5/8 (41.28)	.5 (.23)
WTESR3060	3 - 6	7-1/2 (190.5)	6 (152.4)	2 (50.8)	1-5/8 (41.28)	.5 (.23)



STAINLESS STEEL BELLEVILLE SPRINGS MISCELLANEOUS AND GROUNDING

STAINLESS STEEL
BW



Note: Fasteners listed are offered only to replace original parts in new HPS products. For any other use, purchaser accepts full responsibility for part application and service performance.

Material: Stainless Steel

CATALOG NUMBER	COMPRESSION RATING —POUNDS—	BOLT DIA. INCHES	OUTSIDE DIA. INCHES	THICKNESS INCHES	APPROX. WT./100 LBS. (KG)
BW500	3,750	.50	1.06	11	3.8 (1.72)

ALUMINUM
HBA

HEX HEAD BOLTS ALUMINUM

Material: 2024—T4 Aluminum alloy with #205 alumilite finish.

CATALOG NUMBER	DIE & THREAD —INCHES—	LENGTH —INCHES—	APPROX. WT. 100 LBS. (KG)
HBA150	.50"—13	1.50	4.2 (1.9)
HBA175		1.75	4.7 (2.1)
HBA200		2.00	5.2 (2.4)
HBA225		2.25	5.7 (2.6)
HBA250		2.50	6.2 (2.8)
HBA275		2.75	6.7 (3.0)
HBA300		3.00	7.2 (3.3)
HBA350		3.50	8.2 (3.7)



BRONZE
HBB

HEX HEAD BOLTS SILICON BRONZE

Material: High strength silicon bronze

CATALOG NUMBER	DIE & THREAD —INCHES—	LENGTH —INCHES—	APPROX. WT. 100 LBS. (KG)
HBB150	.50"—13	1.50	11.7 (5.0)
HBB175		1.75	13.1 (5.9)
HBB200		2.00	14.5 (6.6)
HBB225		2.25	15.9 (7.2)
HBB250		2.50	17.3 (7.8)
HBB275		2.75	18.7 (8.5)
HBB300		3.00	20.1 (9.1)
HBB350		3.50	22.8 (10.3)



SF
32



MISC. AND GROUNDING HEX HEAD BOLTS GALVANIZED STEEL

GALVANIZED STEEL
HBG

Note: Fasteners listed are offered only to replace original parts in new HPS products. For any other use, purchaser accepts full responsibility for part application and service performance.

Material: Carbon Steel — galvanized

CATALOG NUMBER	DIE & THREAD —INCHES—	LENGTH —INCHES—	APPROX. WT. 100 LBS. (KG)
HBG150	.50"-13	1.50	11.6 (5.3)
HBG175		1.75	13.0 (5.9)
HBG200		2.00	14.5 (6.6)
HBG225		2.25	15.7 (7.1)
HBG250		2.50	17.3 (7.8)
HBG275		2.75	18.5 (8.4)



HEX HEAD BOLTS STAINLESS STEEL

STAINLESS STEEL
HBS

Material: 18-8 Stainless steel uncoated

CATALOG NUMBER	DIE & THREAD —INCHES—	LENGTH —INCHES—	APPROX. WT. 100 LBS. (KG)
HBS150	.50"-13	1.50	11.6 (5.3)
HBS175		1.75	13.1 (5.9)
HBS200		2.00	14.5 (6.6)
HBS225		2.25	15.7 (7.1)
HBS250		2.50	17.3 (7.8)
HBS275		2.75	18.5 (8.4)
HBS300		3.00	19.9 (9.0)
HBS350		3.50	23.0 (10.4)



SF
33



MISC. AND GROUNDING HEX NUTS ALUMINUM, SILICON BRONZE, GALVANIZED STEEL & STAINLESS STEEL

NUTS
HN

Note: Fasteners listed are offered only to replace original parts in new HPS products. For any other use, purchaser accepts full responsibility for part application and service performance.



CATALOG NUMBER	MATERIAL	SIZE & THREAD INCHES	WIDTH INCHES	THICKNESS INCHES	APPROX. WT./100 LBS. (KG)
HNA500	Aluminum 6061-T6 Dry Wax Coated	.50-13	.75	.44	1.4 (.6)
HNB500	Silicon Bronze High Strength	.50-13	.75	.44	3.8 (1.7)
HNG500	Galvanized Steel	.50-13	.75	.44	3.8 (1.7)
HNS500	Stainless Steel 18-8	.50-13	.75	.44	3.8 (1.7)

LOCKWASHERS
HW

SPLIT TYPE LOCKWASHERS ALUMINUM, SILICON BRONZE, GALVANIZED STEEL & STAINLESS STEEL



CATALOG NUMBER	MATERIAL	BOLT DIA. INCHES	THICKNESS INCHES	APPROX. WT./100 LBS. (KG)
HWA500	Aluminum 7075-T6 Etch Finish	.50	.14	.7 (.32)
HWB500	Silicon Bronze High Strength	.50	.14	2.0 (.91)
HWG500	Galvanized Steel	.50	.14	1.8 (.82)
HWSL500	Stainless Steel 18-8	.50	.14	3.9 (1.77)

FLATWASHERS
HF

FLATWASHERS ALUMINUM, SILICON BRONZE, GALVANIZED STEEL & STAINLESS STEEL



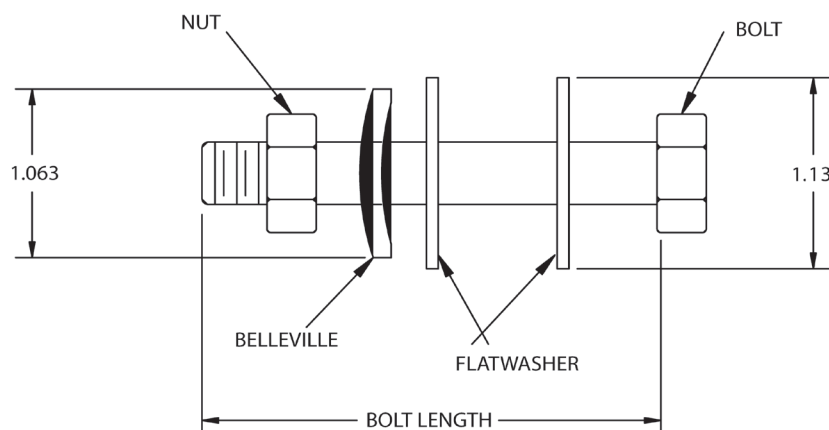
CATALOG NUMBER	MATERIAL	BOLT DIA. INCHES	OUTSIDE DIA. INCHES	THICKNESS INCHES	APPROX. WT./100 LBS. (KG)
HFA500	Aluminum 7075-T6 Plain	.50	1.06	.09	.7 (.32)
HFB500	Silicon Bronze High Strength	.50	1.06	.09	2.0 (.91)
HFG500	Galvanized Steel	.50	1.06	.11	1.8 (.82)
HFS500	Stainless Steel 18-8	.50	1.06	.08	2.1 (.9)

STAINLESS STEEL TERMINAL HARDWARE SETS

STAINLESS STEEL
SSHDW

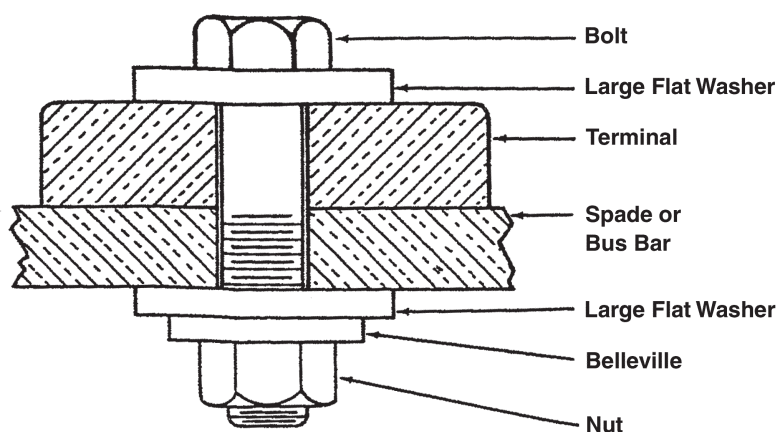
Stainless steel two-hole or four-hole terminal hardware sets designed for joining aluminum to copper or bronze pads. Belleville washer torqued to 40 foot-pounds maintains pressure during expansion and contraction of the terminal pads.

Note: See component catalog pages for details.



Product Data & Conductor Size									
CATALOG NUMBER	BOLT LENGTH	QTY.	BOLT	QTY.	FLATWASHER	QTY.	BELLEVILLE	QTY.	NUT
SS2HDW200	1/2"-13 X 2.00"	2	HBS200	4	HFS5001	2	BW500	2	HNS500
SS2HDW225	1/2"-13 X 2.25"	2	HBS225	4	HFS5001	2	BW500	2	HNS500
SS2HDW250	1/2"-13 X 2.50"	2	HBS250	4	HFS5001	2	BW500	2	HNS500
SS4HDW200	1/2"-13 X 2.00"	4	HBS200	8	HFS5001	4	BW500	4	HNS500
SS4HDW225	1/2"-13 X 2.25"	4	HBS225	8	HFS5001	4	BW500	4	HNS500
SS4HDW250	1/2"-13 X 2.50"	4	HBS250	8	HFS5001	4	BW500	4	HNS500

Suggested method of mounting connectors





DISTRIBUTION / TRANSMISSION / SUBSTATION ELECTRICAL JOINT COMPOUND / INHIBITOR

Inhibitor Application Guide

CAT. NUM-BER	TRADE NAME	DESC / SIZE	SERVICE TEMP.	TO BE USED ON:			BASE OIL		GRIT TYPE			COLOR
				COMP-RESSION	GROOVE / BOLTED	PAD	SYNTH. / VEG.	PETROL.	FINE CON-DUCT	NON CON-DUCT	NON GRITTED	
VS8HTJC	ANDERSON	8 OZ. PLASTIC BOTTLE	-40°F to +480°F (-40°C to 250°C)	•	•	•	•		•			GRAY
HTJC16	FARGO	CAULK TUBE	-40°F to +480°F (-40°C to 250°C)	•	•	•	•		•			GRAY
UJC8	FARGO	8 OZ. PLASTIC BOTTLE	-40°F to +300°F (-40°C to 149°C)	•				•		•		TAN
UJC16	FARGO	CAULK TUBE	-40°F to +300°F (-40°C to 149°C)	•				•		•		TAN
GF138	FARGOLENE	8 OZ. PLASTIC BOTTLE	-40°F to +300°F (-40°C to 149°C)		•	•	•				•	GREEN
GF131	FARGOLENE	1 LB. CAN	-40°F to +300°F (-40°C to 149°C)		•	•	•				•	GREEN
GF133	FARGOLENE	8 LB. CAN	-40°F to +300°F (-40°C to 149°C)		•	•	•				•	GRAY
GF178	FARGOLENE	8 OZ. PLASTIC BOTTLE	-40°F to +300°F (-40°C to 149°C)		•	•	•				•	GRAY
GF171	FARGOLENE	1 LB. CAN	-40°F to +300°F (-40°C to 149°C)		•	•	•				•	GRAY
GF198	FARGOLENE	8 OZ. PLASTIC BOTTLE	-40°F to +300°F (-40°C to 149°C)	•			•			•		GRAY
GF191	FARGOLENE	1 LB. CAN	-40°F to +300°F (-40°C to 149°C)	•			•			•		GRAY
M19203	CHANCE ZLN-100	8 OZ. PLASTIC BOTTLE	-40°F to +300°F (-40°C to 149°C)	•				•		•		GRAY/BROWN
M19204	CHANCE ZLN-100	4 OZ. PLASTIC BOTTLE	-40°F to +300°F (-40°C to 149°C)	•				•		•		GRAY/BROWN
M19205	CHANCE ZLN-200	8 OZ. PLASTIC BOTTLE	-40°F to +300°F (-40°C to 149°C)	•			•			•		GRAY/BROWN
M19206	CHANCE ZLN-200	4 OZ. PLASTIC BOTTLE	-40°F to +300°F (-40°C to 149°C)	•			•			•		GRAY/BROWN
VS8B	ANDERSON VERSA-SEAL	8 OZ. PLASTIC BOTTLE	-40°F to +300°F (-40°C to 149°C)		•	•	•				•	YELLOW
VSG8B	ANDERSON VERSA-SEAL	8 OZ. PLASTIC BOTTLE	-40°F to +300°F (-40°C to 149°C)	•			•			•		BLUE
ING4	ANDERSON INHIBOX	4 OZ. PLASTIC BOTTLE	-40°F to +300°F (-40°C to 149°C)			•	•				•	GRAY
ING8	ANDERSON INHIBOX	8 OZ. PLASTIC BOTTLE	-40°F to +300°F (-40°C to 149°C)			•	•				•	GRAY
INGQC	ANDERSON INHIBOX	1 QUART CAN	-40°F to +300°F (-40°C to 149°C)			•	•				•	GRAY
INGGC	ANDERSON INHIBOX	1 GAL. CAN	-40°F to +300°F (-40°C to 149°C)			•	•				•	GRAY
I4	ANDERSON INHIBOX 220	4 OZ. PLASTIC BOTTLE	-40°F to +300°F (-40°C to 149°C)	•			•			•		GRAY
I8	ANDERSON INHIBOX 220	8 OZ. PLASTIC BOTTLE	-40°F to +300°F (-40°C to 149°C)	•			•			•		GRAY
IGC	ANDERSON INHIBOX 220	1 GAL. CAN		•			•			•		GRAY

NOTE: ALL COMPOUNDS HAVE A GREATER THAN 500°F (260°C) WITHSTAND TEMPERATURE.

DISTRIBUTION / TRANSMISSION / SUBSTATION ELECTRICAL JOINT COMPOUND / INHIBITOR

Anderson Versa-Seal® High Temperature Joint Compound (HTJC) is a synthetic-based, gritted, high-temperature compound developed for use on two-piece compression fittings on ACSS conductors rated 250° C.

HTJC employs conductive grit and thermally conductive filler to reduce connection resistance and allows connectors to operate at cooler temperatures.

This electrically and thermally conductive compound is also ideal for use on standard aluminum conductor (AAC and ACSR) fittings including Fargo Uni-Grip® deadends, splices and terminals.

HTJC fills internal voids in compression and bolted joints, sealing out moisture. HTJC is also an excellent choice for pad-to-pad applications as the grit is very fine and conductive.

See table labeled “Joint Compound Required” for Fargo transmission fittings.

See table labeled “Inhibitor Application Guide” for other HPS Inhibitors.

DESCRIPTION
INHIBITORS

HTJC



HTJC Inhibitor												
CAT. NUMBER	TRADE NAME	DESC / SIZE	SERVICE TEMP.	TO BE USED ON:			BASE OIL		GRIT TYPE			COLOR
				COMP- RESSION	GROOVE / BOLTED	PAD	SYNTH. / VEG.	PETROL.	FINE CONDUCT	NON CONDUCT	NON GRITTED	
VS8HTJC	ANDERSON	8 OZ. PLASTIC BOTTLE	-40°F to +480°F (-40°C to 250°C)	●	●	●	●		●			GRAY
HTJC16	FARGO	CAULK TUBE	-40°F to +480°F (-40°C to 250°C)	●	●	●	●		●			GRAY

Fargo Universal Jointing Compound has been specifically designed for tension applications for compression transmission fittings to fill the internal voids, sealing out moisture and air.

UJC mineral oil based compound is suitable for standard aluminum conductor (AAC and ACSR) fittings.

See table labeled “Joint Compound Required” for Fargo transmission fittings.

See table labeled “Inhibitor Application Guide” for other HPS Inhibitors.

UJC



UJC Inhibitor												
CAT. NUMBER	TRADE NAME	DESC / SIZE	SERVICE TEMP.	TO BE USED ON:			BASE OIL		GRIT TYPE			COLOR
				COMP- RESSION	GROOVE / BOLTED	PAD	SYNTH. / VEG.	PETROL.	FINE CONDUCT	NON CONDUCT	NON GRITTED	
UJC8	FARGO	8 OZ. PLASTIC BOTTLE	-40°F to +300°F (-40°C to 149°C)	●				●		●		TAN
UJC16	FARGO	CAULK TUBE	-40°F to +300°F (-40°C to 149°C)	●				●		●		TAN



DISTRIBUTION / TRANSMISSION / SUBSTATION ELECTRICAL JOINT COMPOUND / INHIBITOR

DESCRIPTION
INHIBITORS

GF



Fargolene® inhibitors are specially compounded corrosion inhibitors recommended for the contact surfaces of all electrical connections to seal out moisture and protect the joint.

- Stable over a wide range of temperatures.
- Available in gritted and non-gritted formulations.
- Organic and synthetic base varieties.
- Workable at subfreezing temperatures and will adhere to cold metal surfaces permitting easy application either directly on the contact surfaces from the squeeze bottle or by troweling with a knife.
- Water repellent, weather resistant, and inert to copper, aluminum, zinc, tin, cadmium, steel, and neoprene rubber; providing a stable compatible corrosion inhibitor.
- On grit bearing inhibitor, the fine powdered grit punctures through high resistance oxide films, improving the electrical connection, as well as the mechanical holding strength.
- For the very best results, a thorough cleaning of the conductor and connector contact areas and a liberal application of Fargolene inhibitor is recommended.

See application guide for more information.

See table labeled "Inhibitor Application Guide" for other HPS Inhibitors.

GF Inhibitor												
CAT. NUMBER	TRADE NAME	DESC / SIZE	SERVICE TEMP.	TO BE USED ON:			BASE OIL		GRIT TYPE			COLOR
				COMP-RESSION	GROOVE / BOLTED	PAD	SYNTH. / VEG.	PETROL.	FINE CONDUCT	NON CONDUCT	NON GRITTED	
GF138	FARGOLENE	8 OZ. PLASTIC BOTTLE	-40°F to +300°F (-40°C to 149°C)		•	•	•				•	GREEN
GF158	FARGOLENE	8 OZ. PLASTIC BOTTLE	-40°F to +300°F (-40°C to 149°C)	•			•			•		GREEN
GF178	FARGOLENE	8 OZ. PLASTIC BOTTLE	-40°F to +300°F (-40°C to 149°C)		•	•	•				•	GRAY
GF198	FARGOLENE	8 OZ. PLASTIC BOTTLE	-40°F to +300°F (-40°C to 149°C)	•			•			•		GRAY
GF193*	FARGOLENE	8 LB. CAN	-40°F to +300°F (-40°C to 149°C)	•			•			•		GRAY

SF
38

DISTRIBUTION / TRANSMISSION / SUBSTATION ELECTRICAL JOINT COMPOUND / INHIBITOR

DESCRIPTION
INHIBITORS

ZLN

Chance® ZLN inhibitor improves and stabilizes aluminum, copper, and bi-metallic connections.

- Available in petroleum and non-petroleum based formulations.
- Water resistant.
- Gritted formula to fill non-contact surface junctions.

See application guide for more information.

See table labeled "Inhibitor Application Guide" for other HPS inhibitors.



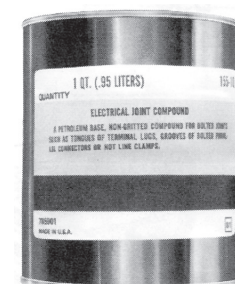
ZLN Inhibitor												
CAT. NUMBER	TRADE NAME	DESC / SIZE	SERVICE TEMP.	TO BE USED ON:			BASE OIL		GRIT TYPE			COLOR
				COMP-RESSION	GROOVE / BOLTED	PAD	SYNTH. / VEG.	PETROL.	FINE CONDUCT	NON CONDUCT	NON GRIT-TED	
M19203	CHANCE ZLN-100	8 OZ. PLASTIC BOTTLE	-40°F to +300°F (-40°C to 149°C)	•				•		•		GRAY/BROWN
M19204	CHANCE ZLN-100	4 OZ. PLASTIC BOTTLE	-40°F to +300°F (-40°C to 149°C)	•				•		•		GRAY/BROWN
M19205	CHANCE ZLN-100	8 OZ. PLASTIC BOTTLE	-40°F to +300°F (-40°C to 149°C)	•			•			•		GRAY/BROWN

VERSASEAL
155

Type 155, Anderson Versa-Seal® electrical joint compound is recommended for use on all bare aluminum and copper application, and is a petroleum-based formulation.

- 155 is recommended for flat-to-flat and grooved bolted connections
- Tan-tinted color

See table labeled "Inhibitor Application Guide" for other HPS inhibitors.



155 Inhibitor												
CAT. NUMBER	TRADE NAME	DESC / SIZE	SERVICE TEMP.	TO BE USED ON:			BASE OIL		GRIT TYPE			COLOR
				COMP-RESSION	GROOVE / BOLTED	PAD	SYNTH. / VEG.	PETROL.	FINE CONDUCT	NON CONDUCT	NON GRIT-TED	
155QC	ANDERSON VERSA-SEAL	1 QUART CAN	-40°F to +300°F (-40°C to 149°C)		•	•		•			•	TAN



DISTRIBUTION / TRANSMISSION / SUBSTATION ELECTRICAL JOINT COMPOUND / INHIBITOR

DESCRIPTION
INHIBITORS

VERSA-SEAL®
VS / VG



VS type Anderson VERSA-SEAL®, non-gritted electrical joint compound is UL listed for all aluminum and copper applications, such as pad-to-pad surfaces.

VSG type Anderson Versa-Seal®, gritted electrical joint compound is UL listed for all aluminum and copper compression connections. It is not recommended for use as a lubricant on threaded fittings as improper torque values or thread galling may occur.

- **VS** is a non-petroleum, non-toxic, non-gritted compound for use where EPDM, natural rubber, as well as polyethylene insulating products, may come in contact with the sealant.
- **VSG** is a non-petroleum, non-toxic gritted compound for use where EPDM, natural rubber, as well as polyethylene insulating products, may come in contact with the sealant.
- **VS** is recommended for bolted joints, flat-to-flat contact surfaces, terminal and lug tongues, grooves of bolted parallel connectors or hot-line clamps, lubricating insulating sleeves and caps, and for improving electrical conductivity on all metallic conduit threads.
- **VSG** is recommended for NEMA minimum tension compression terminals. VSG helps break oxide films on contact surfaces while enhancing conductivity between conductor strands with its conductive grit. Also for two-piece full tension dead-ends and sleeves.
- Yellow tint for **VS** identification.
- Blue tint for **VSG** identification.

See table labeled “Inhibitor Application Guide” for other HPS inhibitors.

VS / VSG Inhibitor											
CAT. NUMBER	TRADE NAME	DESC / SIZE	SERVICE TEMP.	TO BE USED ON:			BASE OIL		GRIT TYPE		
				COMP-RESSION	GROOVE / BOLTED	PAD	SYNTH. / VEG.	PETROL.	FINE CONDUCT	NON CONDUCT	NON GRITTED
VS8B	ANDERSON VERSA-SEAL	8 OZ. PLASTIC BOTTLE	-40°F to +300°F (-40°C to 149°C)		•	•	•				•
VSG8B	ANDERSON VERSA-SEAL	8 OZ. PLASTIC BOTTLE	-40°F to +300°F (-40°C to 149°C)	•			•			•	

DISTRIBUTION / TRANSMISSION / SUBSTATION ELECTRICAL JOINT COMPOUND / INHIBITOR



DESCRIPTION
INHIBITORS

INHIBOX
ING

ING series Inhibox non-gritted, non-toxic electrical joint compound is recommended for rigid bus connections between aluminum-to-aluminum and aluminum-to-copper applications.

- Non-gritted with zinc flakes.
- Non-rubber swelling, electrically conductive contact aid and sealant.
- Recommended for flat-to-flat contact surfaces.
- Improves electrical continuity for grounding on threaded metal conduit.

See application guide for more information.

See table labeled "Inhibitor Application Guide" for other HPS inhibitors.

ING Inhibitor

CAT. NUMBER	TRADE NAME	DESC / SIZE	SERVICE TEMP.	TO BE USED ON:			BASE OIL		GRIT TYPE			COLOR
				COMP-RESSION	GROOVE / BOLTED	PAD	SYNTH. / VEG.	PETROL.	FINE CONDUCT	NON CONDUCT	NON GRIT-TED	
ING4	ANDERSON INHIBOX 220	4 OZ. PLASTIC BOTTLE	-40°F to +300°F (-40°C to 149°C)		•	•	•				•	GRAY
ING8	ANDERSON INHIBOX 220	8 OZ. PLASTIC BOTTLE	-40°F to +300°F (-40°C to 149°C)		•	•	•				•	GRAY
INGGC	ANDERSON INHIBOX 220	1 GAL. CAN	-40°F to +300°F (-40°C to 149°C)		•	•	•				•	GRAY



INHIBOX
I220

- Contains aluminum oxide grit and zinc flakes to create fresh metal interfaces.
- Non-rubber swelling, electrically conductive contact aid and sealant.
- Recommended for non-tension compression connectors on cable conductors.
- Not recommended as a lubricant.

See table labeled "Inhibitor Application Guide" for other HPS inhibitors.

I220 Inhibitor

CAT. NUMBER	TRADE NAME	DESC / SIZE	SERVICE TEMP.	TO BE USED ON:			BASE OIL		GRIT TYPE			COLOR
				COMP-RESSION	GROOVE / BOLTED	PAD	SYNTH. / VEG.	PETROL.	FINE CONDUCT	NON CONDUCT	NON GRIT-TED	
I4	ANDERSON INHIBOX 220	4 OZ. PLASTIC BOTTLE	-40°F to +300°F (-40°C to 149°C)	•			•			•		GRAY
I8	ANDERSON INHIBOX 220	8 OZ. PLASTIC BOTTLE	-40°F to +300°F (-40°C to 149°C)	•			•			•		GRAY
IQC	ANDERSON INHIBOX 220	1 QUART CAN	-40°F to +300°F (-40°C to 149°C)	•			•			•		GRAY