ANDERSON™ & FARGO

DISTRIBUTION CONNECTORS

HUBBELL®

Hubbell Power Systems, INC.
Terms & Conditions of Sales

These terms and conditions of sales ("terms and conditions") apply to the purchase by Buyer of any and all Hubbell Power Systems, Inc. ("HPS") products. HPS hereby gives notice of its rejection to any different or additional terms and conditions other than as stated herein. Buyer's acceptance of the provisions of HPS's terms and conditions as recited herein shall be conclusively presumed upon Buyer's receipt of the product(s), or if no written objection is received by HPS within fifteen (15) days from the date on HPS's order acknowledgment, whichever event shall first occur.

PRICING
Refer to appropriate Price Schedule, unless otherwise quoted.

TERMS
Payment terms are net 30 days. Invoices will be dated the day of shipment. A service charge of 1-1/2% per month or, if such rate exceeds the maximum lawful rate, the maximum lawful rate shall be assessed on all past due accounts and shall be payable on demand.

QUOTATIONS
Unless otherwise stated in writing, HPS' quotations are subject to acceptance by the Buyer within thirty (30) days from the date of issue.

SALES AND SIMILAR TAXES
Prices do not include any sales, use, excise or similar taxes. Consequently, in addition to the price specified herein, the amount of any present or future sales, use, excise or other similar tax applicable to the sale or use of the equipment hereunder, shall be paid by the Buyer, or in lieu thereof the Buyer shall provide HPS with a tax exemption certificate acceptable to the taxing authorities.

ACCEPTANCE OF ORDERS
All orders are subject to final acceptance by HPS. Any other terms proposed by Buyer are rejected unless expressly accepted in writing. Orders shall be deemed to be executed in the State of Missouri and shall be construed and performed in accordance with the laws of that State. Acceptance of any order is subject to availability of product and the ability of HPS to deliver. Orders will be billed at prices in effect at time of shipment unless otherwise agreed. Unless otherwise stated in writing, HPS reserves the right to ship plus or minus 10% of specified quantity for special products that are made to order.

SALES BY AGENTS
Sales by agents or through overseas representatives shall be at prices, terms and conditions of sale specified by HPS. All invoices will be issued by and payment remitted to HPS.

DELAY
HPS will use reasonable efforts to meet shipment or delivery dates specified by HPS, but such dates are estimates only. In no event shall be liable for any delay or nondelivery if caused directly or indirectly by Acts of God, fire, flood, strike or lockout or other labor dispute, accident, civil commotion, riot, war, governmental regulation or order, whether or not it later proves to be invalid, or from any other cause or causes (whether or not similar to any of the foregoing) beyond HPS's control. In no case will HPS be liable for loss of profits or any special or consequential damages on account of any delay in delivery or nondelivery whether or not excused hereunder.

SHIPPING DEFERMENT
Buyer requests for shipping deferment must be approved by HPS and are subject to price negotiation.

LIMITED WARRANTY AND LIMITATION OF LIABILITY
HPS warrants to Buyer that the products sold will be free of defects in workmanship or material for a period of one (1) year (or as otherwise specified) from the date of original shipment by HPS when stored, installed, operated or maintained in accordance with recommendations of HPS and standard industry practice and when used under proper and normal use. HPS shall in no event be responsible or liable for modifications, alterations, misapplication or repairs made to its products by Buyer or others, or for damage caused thereto by negligence, accident or improper use by Buyer or others. This warranty does not include reimbursement for the expenses of labor, transportation, removal or reinstallation of the products. This warranty shall run only to the first Buyer of a product from HPS, from HPS' Buyer, or from an original equipment manufacturer reselling HPS' product, and is non-assignable and non-transferable and shall be of no force and effect if asserted by any person other than such first Buyer.

APPLICATION: HPS does not warrant the accuracy of and results from product or system performance recommendations resulting from any engineering analysis or study. This applies regardless of whether a charge is made for the recommendation, or if it is provided free of charge. Responsibility for selection of the proper product of application rests solely with the Buyer. In the event of errors or inaccuracies determined to be caused by HPS, its liability will be limited to the re-performance of any such analysis or study.

BUYER INSPECTIONS: Tests, inspections and acceptance of all material must be made at the factory. Buyer's inspectors are welcome at the factories and are provided with the necessary facilities for carrying out their work. Name and phone number of who should be contacted for inspection should be given to HPS no later than two weeks prior to scheduled shipment date.

***DISCLAIMER OF WARRANTY:* THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES WHETHER WRITTEN, ORAL, EXPRESSED OR IMPLIED. THERE ARE NO WARRANTIES OF MERCHANTABILITY OR FITNESS OF ANY PRODUCT FOR A PARTICULAR PURPOSE.**

EXCLUSIVE REMEDY: *Any claim by Buyer that a product is defective or non-conforming shall be deemed waived by Buyer unless submitted to HPS in writing within thirty (30) days from the date Buyer discovered, or by reasonable inspection should have discovered the alleged defect or non-conformity. Any warranty claim must be brought within one year of discovery of the alleged defect or non-conformity. Upon prompt written notice by the Buyer that a product is defective or non-conforming, HPS' liability shall be limited to repairing or replacing the product, at HPS' option.*

***LIMITATION OF LIABILITY:* IN NO EVENT AND UNDER NO CIRCUMSTANCES SHALL HPS BE LIABILE TO BUYER OR TO ANY OTHER PERSON FOR ANY INDIRECT, SPECIAL, CONSEQUENTIAL OR INCIDENTAL LOSSES OR DAMAGES, INCLUDING, WITHOUT LIMITATION, DAMAGE TO OR LOSS OF USE OF ANY PRODUCT, LOST SALES, OR PROFITS, OR DELAY OR FAILURE TO PERFORM THIS WARRANTY OBLIGATION, OR CLAIMS OF THIRD PARTIES AGAINST PURCHASER, ARISING OUT OF OR IN CONNECTION WITH THE SALE, INSTALLATION, USE OF, INABILITY TO USE, OR THE REPAIR OR REPLACEMENT OF, HPS' PRODUCTS.** *As stated herein, the term "person" shall include without limitation, any individual proprietorship, partnership, corporation or entity.*

FREIGHT ALLOWANCE and F.O.B. POINT

All shipments are F.O.B. origin. Risk of loss and title of products shall pass to Buyer upon delivery to the designated carrier. Freight is prepaid and allowed on all HPS shipments of products with a net order value of $5,000 and above to destinations within the Continental U.S.A and Canada, with the exception of USCO brand products. Freight is prepaid and allowed on all shipments of USCO brand products with a net order value of $20,000 and above. An 8% shipping and handling charge will be added to all standard shipments under the minimum net order value. Customer expedited orders will be billed at actual freight cost plus $50.00 handling. Shipments to Alaska and Hawaii are F.O.B. Pacific Coast docks, collect beyond. Tool trailers will be F.O.B. HPS' dock – no freight allowed.

HPS reserves the right to route all qualified freight allowed shipments via least expensive surface route within the Continental United States and Canada. Buyer will assume all charges for transportation specified via more expensive means. Acceptance of a specified routing does not constitute a guarantee of ship date, transit time or arrival date. HPS will not be responsible for any cartage or storage charges at destination.

HPS' responsibility for exception-free delivery ceases when the transportation company receives shipment in good condition. Claims for loss or damage must be reported directly to the carrier. HPS's willingness to assist does not indicate liability for claim or replacement.

PARTIAL RELEASE

If an order has multiple releases specified by the Buyer, each release will be treated as individual orders, relative to freight allowance and minimum billing.

BACK ORDERS

Back orders that are the responsibility of HPS will be shipped F.O.B. factory or point of shipment with freight prepaid and allowed via the most cost effective method, providing the original order qualified for freight allowance.

MINIMUM BILLING

Standard Orders -- $750 net per order. Tools -- $100 net per order. Parts -- $100 net per order.

ORDER ADD-ON POLICY

HPS' "Add-On" policy allows you to add items to an existing unshipped order for up to fifteen (15) days from the entry date of the original order. The minimum value for added products is $250. Addition of tools or parts must be $100.

DELIVERY SCHEDULE

Shipping dates provided by HPS are estimates only. HPS shall make every reasonable effort to meet Buyer's shipping requirements provided HPS promptly receives all necessary information from Buyer and approved drawings if required by HPS. HPS will not assume liability because of delayed shipment for any reason. HPS's responsibility ceases upon acceptance of shipment by carrier.

CANCELLATIONS

Cancellation of an order for current stock product requires a minimum of five (5) days' notice prior to actual ship date. Stock product orders shipped after cancellation notice is received, but before expiration of the five-day requirement, will be subject to all standard returned product conditions, noted below. Cancellation on non-stock products may be made only if no work has been performed or material purchased. If cancellation is requested after work is in progress, there will be a cancellation charge as established by HPS. Orders may not be cancelled unless HPS gives its written consent, and then only upon agreement as to applicable cancellation charges.

RETURNED PRODUCT

GENERAL CONDITIONS applying to all transactions:

1. Product is not returnable without the written consent of HPS.
2. Request for permission to return product must be made in writing within one year from date of shipment, and Buyer must provide original HPS invoice number.
3. Product to be returned must be considered standard product by HPS.
4. HPS reserves the right to refuse returns of any special or made-to-order product, regardless of condition.
5. All returned products must be in excellent, resaleable condition and packaged in the original carton. Products will be inspected upon return; and any service or repair needed to place them in first class, saleable condition will be charged and added to the restocking charge.
6. A 25% restocking charge will be deducted from all credits issued on authorized returns.
7. Return Goods Authorization (RGA) Packing List, supplied by the factory, must accompany the return shipment.
8. Return freight must be prepaid. Product must be received by HPS within sixty (60) days of issuance of RGA.
9. Net value of the return must not be less than $250.
10. HPS reserves the right to deduct for any damage sustained in transit.
11. Unauthorized returns will be refused. Equipment returned without proper authorization from HPS will, at the sole option of HPS, be returned to the Buyer freight collect, or scrapped immediately with no issuance of credit. Unauthorized product included in a return will not be credited.

BROKEN PACKAGE POLICY

Shipments will be made in standard package quantities or multiples thereof. HPS Customer Service will notify the Buyer of any orders that do not comply with this policy. The Buyer must authorize an adjustment to comply with standard package quantities before the order will be entered.

DROP SHIPMENT POLICY

A 10% net order value drop shipment charge will be added to all purchase orders requesting delivery to a location other than a recognized Buyer stocking warehouse, with the exception of full truckload and/or project material. This is in addition to any other charges to the net order.

QUOTATION PRICE PROTECTION

All prices shown in the price lists are subject to change without notice. All quotations on special products or modifications to catalog products are binding only if confirmed in writing by the factory for the period shown on the quotation. Price protection will be provided for a period of thirty (30) days from date of quotation from HPS.

ORDERS

All orders are taken and prices quoted only with the understanding that each order shall be subject to the acceptance of HPS upon such terms as we may specify when order is received. Prices to cover amount of any sales or excise tax which now or hereinafter may be imposed by any taxing authority upon this product or the sale or manufacture thereof.

PRODUCT SPECIFICATION
HPS reserves the right to discontinue products, modify designs, and change specifications or prices without incurring obligation.

INVOICING
All invoices are due and payable per the standard terms stated herein. In the case of an apparent discrepancy in a line item charge, Buyer is obligated to advise HPS Customer Service in writing of the nature of the claimed discrepancy within five (5) days of receipt of the invoice. This includes all requests for proof of delivery. A claim of discrepancy does not relieve Buyer of the absolute obligation to pay the remaining balance of the invoice in accordance with the standard terms of payment. Upon review, HPS will have sole discretion to resolve the discrepancy; and the Buyer expressly agrees to abide by HPS' decision. HPS will promptly advise Buyer of its decision regarding any disputed items or charges.

OSHA
HPS warrants that at time of shipment, the products will conform to the applicable occupational safety and health standards promulgated pursuant to the Federal Occupational Safety and Health Act of 1970, which are in effect on the date that HPS enters its acknowledgment of Buyer's order. The Buyer's exclusive remedy and HPS' liability for breach of this warranty is limited to replacement of the nonconforming products.

FAIR LABOR STANDARDS ACT AS AMENDED
HPS represents that any goods to be delivered hereunder will be produced in compliance with the requirements of the Fair Labor Standards Act of 1938, as amended.

NOTE
These Terms and Conditions supersede all those published and previously issued by The A.B. Chance Company, The Ohio Brass Company, Anderson Electrical Products, Inc., Fargo Manufacturing Company, Inc., Chardon Electrical Components, USCO Power Equipment Corporation, Hubbell Canada LP and Hubbell Power Systems, Inc.

Effective January 1, 2011

DISTRIBUTION CONNECTORS

Deadends — DA

Overhead Line Splices — DB

Overhead Primary Taps — DC

General Use — Bolted Connectors — DD

Formed Wire — DE

Compression Connectors, Splices, Taps, Tees and Terminals — DF

Distribution Tools — DG

Telecom & Grounding Connectors — DH

Other Distribution Products — DI

Reference Data — DJ

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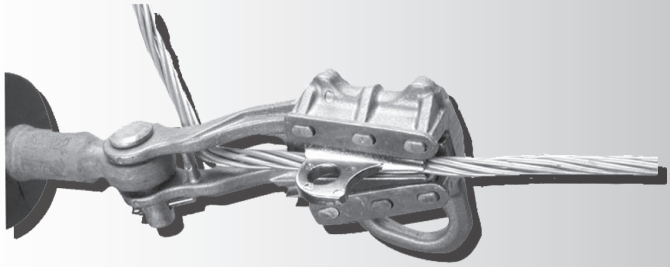
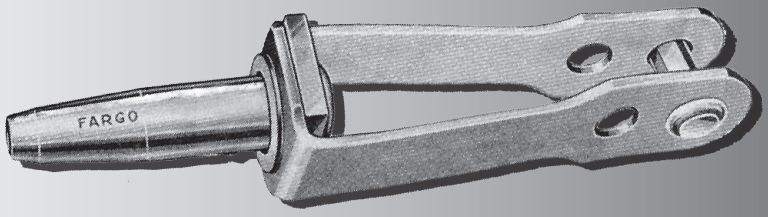
CATALOG TYPE	PAGE NO.

DISTRIBUTION CONNECTORS

SECTION DA





OVERHEAD DEADENDS

Automatic Wedge

Aluminum Automatic

Copper Automatic

Aluminum Bolted

Bronze Bolted

Ductile Iron Bolted

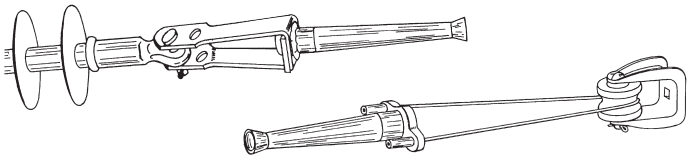
Guy Wire Automatic

Aluminum Compression

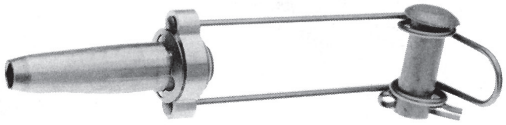
DEADENDS
AUTOMATIC COPPER

COPPER
GD500/GD100

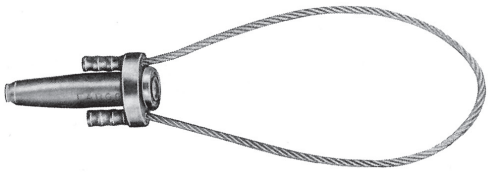
- Fastest method of deadending Copper and Copperweld® conductor.
- Flared mouth of gripping unit permits easy conductor installation.
- Four segment jaw is precision machined and automatically adjusts to the contour of the wire.
- High strength alloy copper tube for gripping Copperweld® conductors
- Available with galvanized steel stirrup clevis or stainless steel Z bail for primary applications.



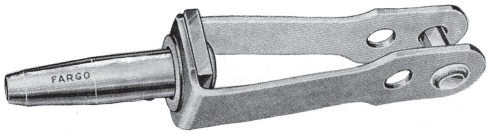
Material: **Shell** – High Strength Copper Alloy
Jaws – Copper Alloy
Clevis Bail – Galvanized Steel
Z Bail – Stainless Steel, Formed Wire
Flex Bail – Braided Stainless Steel
Semi-flex Bail – Stainless Steel, Formed Wire



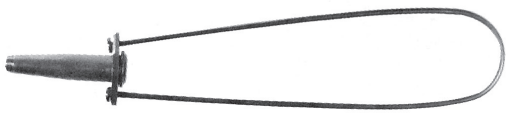
Z Bail



Flex Bail



Clevis Bail



Semi-flex Bail

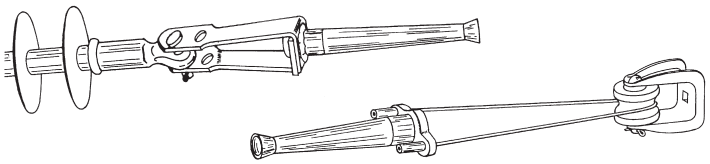
Product Data & Conductor Size

CATALOG NUMBER				CONDUCTOR RANGE			APPROXIMATE CONDUCTOR O.D. INCHES (MM)
				COPPER		COPPERWELD	
CLEVIS BAIL	Z BAIL	FLEX BAIL	SEMI-FLEX BAIL	SOLID ASTM-B258	STRAND ASTM-B8	STRAND	
-	-	GD110	-	8	-	-	.12-.13 (3.1-3.3)
GD511*	GD111Z	GD111	GD111R	6	-	-	.16-.17 (4.0-4.4)
GD512*	GD112Z	GD112	GD112R	4	-	8A	.19-.20 (4.9-5.2)
GD513*	GD113Z	GD113	GD113R	3	4	6A	.22-.23 (5.7-5.9)
GD514	GD114Z	GD114	GD114R	2	3	5A	.25-.26 (6.3-6.6)
GD515*	GD115Z	GD115	GD115R	1	2	4A	.28-.29 (7.2-7.4)
GD516	GD116Z	GD116	GD116R	1/0	1	3A	.32-.33 (8.1-8.3)
GD517	GD117Z	GD117	GD117R	2/0	1/0	2A	.36-.37 (9.1-9.3)
GD518	GD118Z	GD118	GD118R	3/0	2/0	-	.40-.41 (10.2-10.5)
GD519	GD119Z	GD119	GD119R	4/0	3/0	-	.45-.46 (11.5-11.8)
GD520	GD120Z	GD120	GD120R	-	4/0	-	.52-.53 (13.2-13.4)
GD521	GD121Z	GD121	GD121R	-	250 KCMIL	-	.57-.58 (14.4-14.7)
GD523	-	-	-	-	300 KCMIL	-	.62-.63 (15.8-16.1)

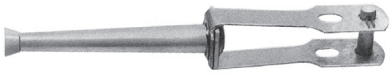
**RUS Listed*
Copperweld® is a registered trademark of Fushi Copperweld Inc.

DEADENDS
AUTOMATIC ALUMINUM

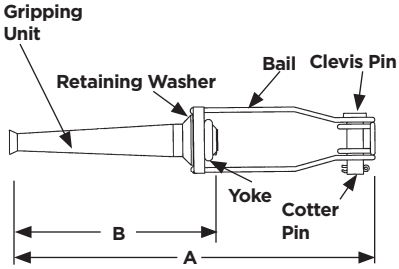
ALUMINUM
GD400

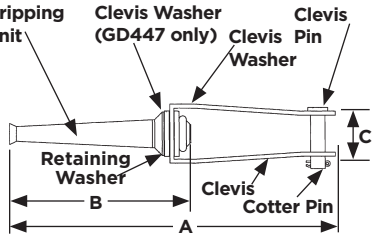


Z Bail



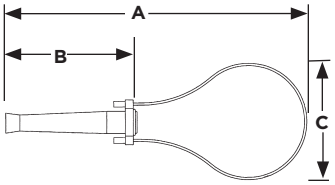
Clevis Bail

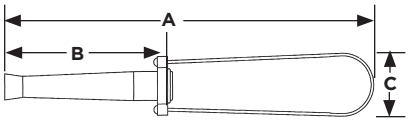




Flex Bail

Semi-flex Bail





- Fastest method of deadending ACSR, AAAC, and AAC conductor
- Color coded funnel guide for easy identification. Flared conductor funnel guides ease installation.
- Aluminum alloy shell and inhibitor protected aluminum jaws assure corrosion resistance.
- Available with galvanized steel stirrup clevis or stainless steel Z bail for primary applications. Flexible or semiflexible stainless steel bails can be used on secondary applications.
- See GDW Series for range-taking automatic deadends.

Note: For neoprene covered Flex or Semi-flex bail add suffix "N".
Example GD402AN
Add suffix "TA" for pulling eye.
Example GD4442ATA (Fig #1)

Material:
Shell – High Strength Aluminum Alloy
Jaws – Aluminum Alloy
Clevis Bail – Aluminum Alloy or Galvanized Steel
Z Bail – Stainless Steel, Formed Wire
Flex Bail – Braided Stainless Steel
Semi-flex Bail – Stainless Steel, Formed Wire
Pulling Eye – Aluminum Alloy

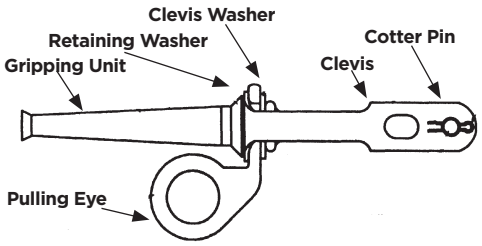


Fig #1

Product Data & Conductor Size

CATALOG NUMBER	BAIL TYPE	STD. COND. SIZES	DIMENSIONS			OTHER INFORMATION		APPROX. WT. EACH LBS. (KG)
			A	B	C	DIA. RANGE IN. (MM)	COLOR CODE	
GD442A*	CLEVIS	#4 ACSR (6/1) #4 AAAC #4 AAC	11.0	5.0	-	.225-.250 (5.59-6.35)	ORANGE	0.56 (.25)
GD402AZ*	SS Z		10.4	5.0	-			0.43 (.19)
GD402A*	SS FLEX		12.8	5.0	2.0			0.20 (.09)
GD462A*	SEMI-FLEX		12.0	5.0	2.2			0.24 (.10)
GD4442A*	CLEVIS	#4 - #2 ACSR #4 - #2 AAAC #4 - #2 AAC	12.9	7.0	-	.220-.320 (5.59-8.13)	RED-ORANGE	0.63 (.29)
GD4042AZ*	SS Z		12.0	7.0	-			1.00 (.45)
GD4042A*	SS FLEX		13.7	7.0	2.0			0.34 (.15)
GD4642A*	SEMI-FLEX		14.4	7.0	2.2			0.38 (.17)

**RUS Listed*

DEADENDS AUTOMATIC ALUMINUM (CONTINUED)

ALUMINUM
GD400

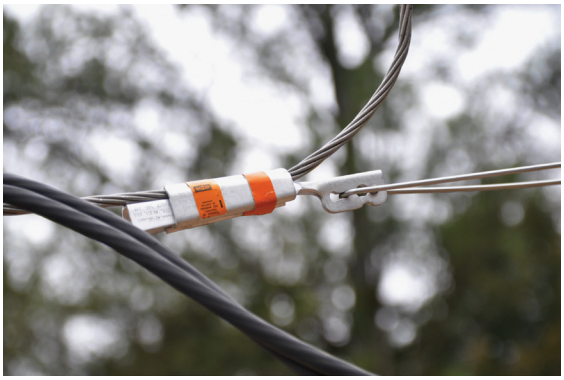
Product Data & Conductor Size

CATALOG NUMBER	BAIL TYPE	STD. COND. SIZES	DIMENSIONS			OTHER INFORMATION		APPROX. WT. EACH LBS. (KG)
			A	B	C	DIA. RANGE IN. (MM)	COLOR CODE	
GD446A**	CLEVIS	1/0 ACSR 1/0 AAAC 1/0 AAC	12.3	6.4	-	.355-.400 (9.02-10.16)	YELLOW	1.02 (.46)
GD406AZ**	SS Z		14.2	6.4	-			0.20 (.09)
GD406A**	SS FLEX		15.3	6.4	2.0			0.40 (.18)
GD466A**	SEMI-FLEX		15.8	6.4	2.2			0.30 (.14)
GD447**	CLEVIS	2/0 ACSR 2/0 AAAC 2/0 AAC	17.8	9.3	-	.400-.470 (10.15-11.94)	GRAY	2.23 (1.01)
GD407Z**	SS Z		17.6	9.3	-			1.40 (.64)
GD407**	SS FLEX		15.5	9.3	2.0			0.76 (.35)
GD467**	SEMI-FLEX		18.4	9.3	2.2			1.10 (.49)
GD448**	CLEVIS	3/0 ACSR 3/0 AAAC 3/0 AAC	18.9	10.0	-	.450-.530 (11.43-13.46)	BLACK	2.40 (1.09)
GD408Z**	SS Z		18.0	10.0	-			1.40 (.63)
GD408**	SS FLEX		17.6	10.0	2.0			1.16 (.53)
GD468**	SEMI-FLEX		19.0	10.0	2.2			1.10 (.50)
GD449A**	CLEVIS	4/0 ACSR 4/0 AAC 4/0 AAAC	17.5	9.0	-	.505-.595 (12.83-15.11)	PINK	2.43 (1.10)
GD409AZ**	SS Z		17.2	9.0	-			1.40 (.63)
GD409A**	SS FLEX		17.6	9.0	2.0			1.00 (.45)
GD469A**	SEMI-FLEX		18.0	9.0	2.2			1.00 (.45)
GD5205A	CLEVIS	266.8 AAC	11.6	4.6	-	.518-.595 (13.16-15.11)	-	1.32 (.59)
GD1205AZ	SS Z		12.8	4.6	-			1.00 (.45)
GD1205A	SS FLEX		13.6	4.6	2.0			0.64 (.29)
GD1205AR	SEMI-FLEX		14.4	4.6	2.2			0.66 (.29)
GD450*	CLEVIS	266.8 (18/1) ACSR 312.8 AAAC 336.4 AAC(1)	18.5	9.6	-	.603-.666 (15.32-16.92)	BROWN	2.70 (1.22)
GD410Z*	SS Z		20.4	9.6	-			1.80 (.82)
GD410*	SS FLEX		16.9	9.6	2.0			1.20 (.54)
GD470*	SEMI-FLEX		17.8	9.6	1.9			1.40 (.64)
GD451*	CLEVIS	336.4 (18/1) ACSR 394.5 AAAC 397.5 AAC(1)	18.9	10.5	-	.659-.724 (16.74-18.39)	GREEN	2.0 (.90)
GD411Z*	SS Z		20.8	10.5	-			2.10 (.95)
GD411*	SS FLEX		17.7	10.5	2.0			1.80 (.82)
GD471*	SEMI-FLEX		18.6	10.5	1.9			1.70 (.77)
-	CLEVIS	397.5 (18/1) ACSR 465.4 AAAC 477 AAC (1)	-	-	-	.722-.795 (18.34-20.19)	BLUE	-
GD412Z*	SS Z		19.6	11.3	-			2.40 (1.08)
GD412*	SS FLEX		19.0	11.3	2.0			2.00 (.91)
GD472*	SEMI-FLEX		19.3	11.3	1.9			2.00 (9.1)

**Maximum design rating 10,000 Lb./4535 kg.*
***RUS Listed*
(1) Includes compact conductor of each size
(2) For neoprene covered bail add suffix "N" Ex. GD406AN.

ALUMINUM
SW

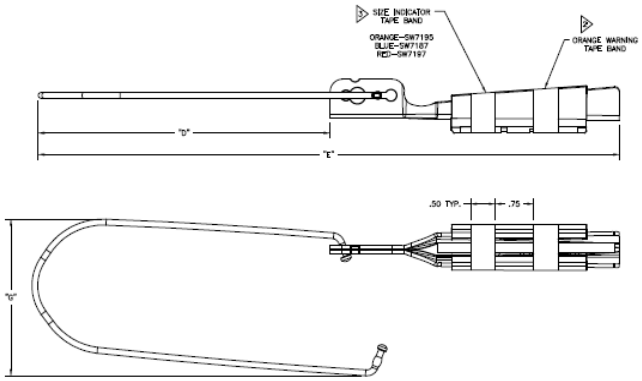
DEADENDS
AUTOMATIC WEDGE
SERVICE ENTRANCE/DROP ALUMINUM



Gripping unit gentle on conductor

- For deadending and stress relief of service entrance/drop installations.
- For use with ACSR, AAC, & AAAC conductors.
- Service wedge to be attached to bare neutral.
- Rigid stainless steel bails are for use with eye hooks and insulators with diameters larger than 1.5" in diameter.
- Flexible bails are for use with hooks and small eyes.
- Design allows for easy sag adjustments.
- Service wedges are not full tension devices (see tensile rating). May be used in slack span applications.†
- Each wedge has two tape bands.
- The warning label is always orange (outside band).
- The size indicator is color coded as listed below (inside band, closest to bail).
- Locking mechanism secures latch on the rigid bail to prevent opening during installation.

Material: **Body and Keeper** – Aluminum Alloy
Bail – Solid: Stainless Steel
Flex: Covered Stainless Wire Braid (FL Suffix)



Product Data & Conductor Size

CATALOG NUMBER	DESCRIPTION	CONDUCTOR SIZE			DIA RANGE IN (MM)	DIMENSIONS			MECH. STR. LBS. (kN)	SIZE INDICATOR COLOR
		ACSR	AAC	AAAC		A	B	C		
SW7195LB	WEDGE w/RIGID SS BAIL	#6 - #2	#6 sol - #1 str	#6 -#2	.160 - .332 (4.1-8.4)	6 (150)	12 (300)	2-1/2 (64)	1000 (4.45) 800 max for #6 ASCR	Orange
SW7195FL	WEDGE w/FLEXIBLE BAIL					10-1/4 (260)	16-1/8 (410)	Flex		
SW7187LB	WEDGE w/RIGID SS BAIL	#4 - 1/0	#2 sol - 2.0 str	#4 - 1/0	.248 - .414 (6.3-10.5)	5 - 7/8 (145)	12 - 1/4 (310)	2 - 1/2 (64)	1200 (5.34) 900 max for #4 ACSR	Blue
SW7187FL	WEDGE w/FLEXIBLE BAIL					10 - 1/2 (265)	17 (430)	Flex		
SW7197LB*	WEDGE w/RIGID SS BAIL	2/0 - 4/0	2/0 - 4/0	2/0 - 4/0	.414 - .565 (6.3-14.4)	5 - 3/4 (145)	13 (325)	2 - 3/4 (69)	1600 (7.12)	Red
SW7197FL*	WEDGE w/FLEXIBLE BAIL					10 - 1/8 (255)	17 - 1/4 (435)	Flex		

Add "I" for anodized version
**Can also be used with 1/0 (6/1) ACSR to 1600 lb max*
†Slack span is defined as weight of conductor only.

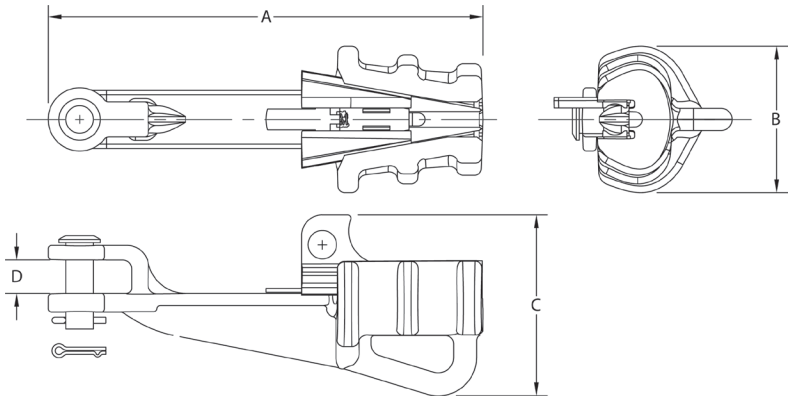
DEADENDS
AUTOMATIC OVERHEAD
SIDE-OPENING WEDGE ALUMINUM

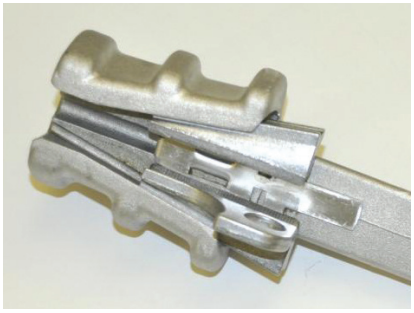
ALUMINUM
GDW

- Fastest method of deadending ACSR, AAAC, and AAC conductor
- Accepts wide range of conductor sizes. High Strength Aluminum alloy body and jaws
- Requires no wrenches or special tools
- Can be repositioned on conductor during installation
- Rotated clevis eases placement of conductor
- Plated jaws available to accommodate copper conductors

Note: For plated jaws remove "A" suffix.
Example GDW556
All bolted deadends are rated 40% of RBS - Partial tension per ANSI C119.4"
For conductor sizes not shown in catalog, consult factory

Material: **Body and Jaws** – High Strength Aluminum Alloy
Clevis Pin – Galvanized Steel
Cotter Pin – Stainless Steel





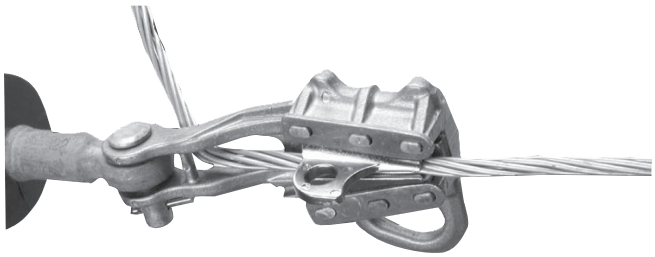
Product Data & Conductor Size

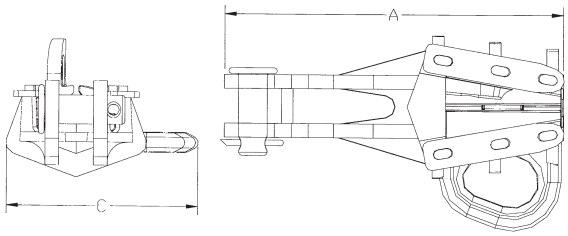
CATALOG NUMBER	CONDUCTOR RANGE		DECIMAL RANGE INCHES (MM)		ULTIMATE STRENGTH LBS. (kN)		DIMENSIONS INCHES (MM)			
	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	BODY	SAG EYE	A	B	C	D
GDW420A *GDW420	#4 str AAC #4 AAAC #4 ACSR #4 str CU	2/0 str AAC 2/0 AAAC 2/0 ACSR 2/0 str CU	.23 (5.8)	.45 (11.4)	6,000 (26.69)	4,000 (17.79)	9.45 (240.1)	296 (75.1)	3.97 (100.8)	0.75 (19.2)
GDW440A *GDW440	#4 str AAC #4 AAAC #4 ACSR #4 str CU	4/0 str AAC 4/0 AAAC 4/0 ACSR 3/0 str CU	.23 (5.8)	.57 (14.5)	9,000 (40.03)	6,000 (26.69)	9.84 (249.8)	3.31 (84)	4.08 (103.6)	0.76 (19.2)
GDW556A** *GDW556**	4/0 AAC 4/0 AAAC 4/0 ACSR 4/0 str CU	600 AAC 559.5 AAAC 556.5 ACSR 600 str CU	.52 in (13.2 mm)	.90 in. (22.8 mm)	10,000 (44.48)	6,000 (26.69)	16.2 (335.3)	5.67 (144)	5.25 (133.4)	0.81 (20.6)
GDW795A GDW795	4/0 AAC 4/0 ACSR 4/0 AAAC 250 str CU	900 AAC 927.2 AAAC 795 ACSR 900 str CU	.52 in. (13.2 mm)	1.11 in. (28.1 mm)	15,000 (66.72)	6,000 (26.69)	20.2 (513)	5.90 (150)	5.78 (146.8)	0.71 (18)

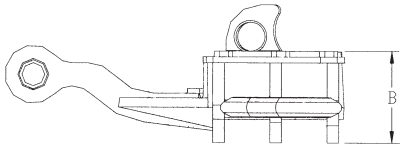
* *Plated aluminum jaws provided to accommodate copper conductors.*
** *RUS Listed*

ALUMINUM
GDW2000

DEADENDS
AUTOMATIC OVERHEAD
SIDE-OPENING WEDGE
ALUMINUM GDW2000 SERIES







- Redesigned GDW2000 Series
- Fastest method of deadending ACSR, AAAC and AAC conductor
- Accepts wide range of conductor sizes. High Strength Aluminum alloy body and jaws
- Requires no wrenches or special tools
- Can be repositioned on conductor during installation
- Plated jaws available to accommodate copper conductors

Note: For plated jaws remove "A" suffix.
Example GDW556
All bolted deadends are rated 40% of RBS - Partial tension per ANSI C119.4"
For conductor sizes not shown in catalog, consult factory

Material: **Body and Jaws** – High Strength Aluminum Alloy
Clevis Pin – Galvanized Steel
Cotter Pin – Stainless Steel

Product Data & Conductor Size

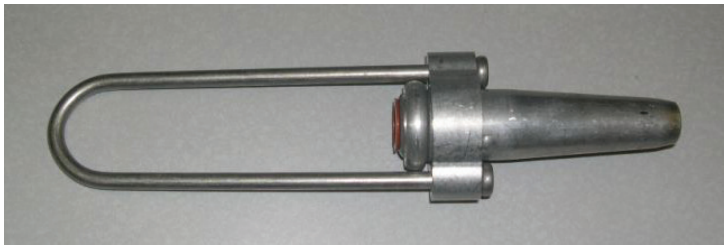
CATALOG NUMBER	CONDUCTOR RANGE		DECIMAL RANGE INCHES (MM)		ULTIMATE STRENGTH LBS. (kN)		DIMENSIONS INCHES (MM)			APPROX. WEIGHT EA. LBS (KG)
	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM	BODY	SAG EYE	A	B	C	
GDW2010A** *GDW2010**	#4 str AAC #4 AAAC #4 ACSR #4 str CU	2/0 str AAC 2/0 AAAC 2/0 ACSR 2/0 str CU	.23 (5.8)	.45 (11.4)	6,000 (26.69)	4,000 (17.79)	7.5 (190.5)	2.0 (50.8)	4.5 (114.3)	1.5 (.07)
GDW2040A** *GDW2040**	#4 str AAC #4 AAAC #4 ACSR #4 str CU	4/0 str AAC 4/0 AAAC 4/0 ACSR 3/0 str CU	.23 (5.8)	.57 (14.5)	8,000 (35.59)	6,000 (26.69)	8.0 (203.2)	2.0 (50.8)	4.9 (124.5)	2.0 (0.9)

* *Plated aluminum jaws provided to accommodate copper conductors.*
** *RUS Listed*

DEADENDS
AUTOMATIC GUY WIRE

ALUMINUM
GDE5100

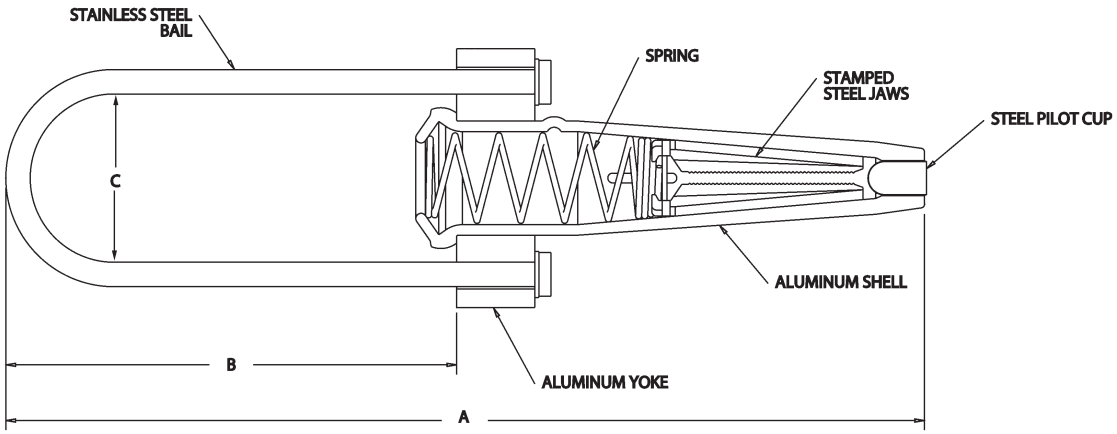
Fargo GDE5100 Series Automatic deadends are designed for use on High Strength, Common, Siemens-Martin, Utilities and Bell System Strand.



Rating: 90% of conductor breaking strength

Note: Consult factory for information on other applications.

Material: **Gripping Unit** – Stainless Steel
Yoke – Aluminum Alloy
Bail – Stainless Steel



Product Data & Conductor Size

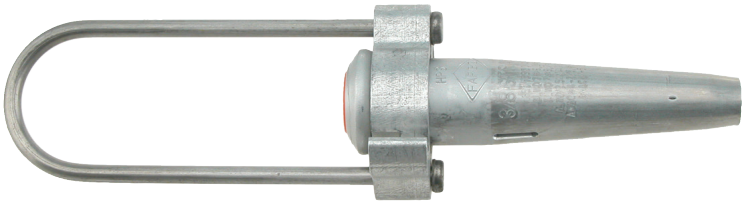
CATALOG NUMBER	PRIMARY STRAND APPLICATION	TO BE USED WITH:			RANGE IN. (MM)	DIMENSIONS IN. (MM)		
		EHS	AW/ AWAC	HS, COM, S-M, UTIL, BELL		A	B	C
GDE5100	1/4" HS, Com, S-M, Util, Bell			•	0.240-0.253 (6.11-6.44)	9.2 (234)	5.7 (145)	1.4 (36)
GDE5100L	1/4" HS, Com, S-M, Util, Bell			•	0.240-0.253 (6.11-6.44)	12.7 (234)	9.2 (234)	1.4 (36)
GDE5101	5/16" HS, Com, S-M, Util, Bell			•	0.310-0.335 (7.89-8.53)	9.3 (236)	5.6 (142)	1.5 (38)
GDE5101L	5/16" HS, Com, S-M, Util, Bell			•	0.310-0.335 (7.89-8.53)	13.1 (333)	9.5 (241)	1.5 (38)
GDE5102	3/8" HS, Com, S-M, Util, Bell			•	0.360-0.405 (9.16-10.31)	11.5 (292)	7.1 (180)	2.0 (51)
GDE5102L	3/8" HS, Com, S-M, Util, Bell			•	0.360-0.405 (9.16-10.31)	16.5 (419)	12.0 (305)	2.0 (51)

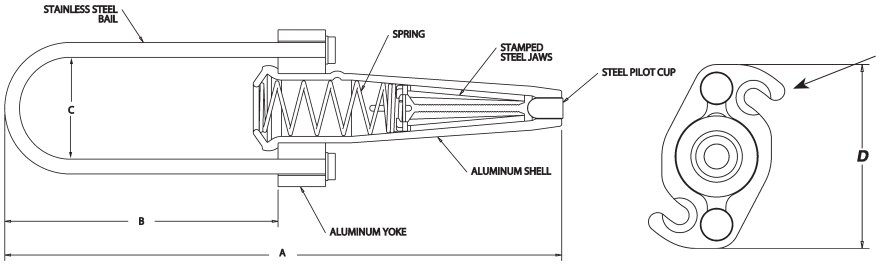
NOTE: Suffix "L" Denotes Extended Bail.

DEADENDS
AUTOMATIC GUY WIRE

ALUMINUM

GDE5200





Fargo GDE5200 Series Automatic deadends are designed for use on all grades of galvanized steel wire strand ... High Strength, Extra High Strength, Alumoweld®, Alumonized, Common, Siemens-Martin, Utilities and Bell System Strand.

Rating: 90% of conductor breaking strength

INNOVATIVE YOKE DESIGN ALLOWS FOR INSTALLATION WITHOUT USE OF A GRIPPING HOOK.

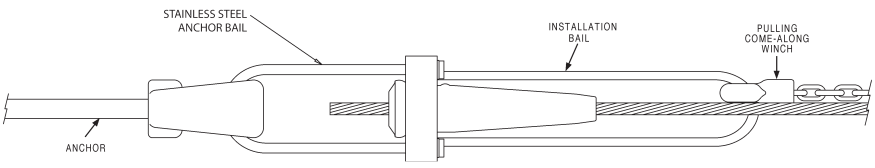
Note: Consult factory for information on other applications.

Material: **Gripping Unit** - Stainless Steel

Product Data & Conductor Size

CATALOG NUMBER	PRIMARY STRAND APPLICATION	TO BE USED WITH: EHS	AW/ AWAC	HS, COM, S-M, UTIL, BELL	RANGE IN. (MM)	DIMENSIONS IN. (MM) A	B	C	D
GDE5199	3/16" EHS (2.8M3) AW	•	•	•	0.145-0.215 (3.68-5.46)	10.0 (254)	5.7 (145)	1.6 (41)	2.7 (69)
GDE5200	1/4" EHS 7#12 (6M) AW	•	•	•	0.215-0.270 (5.46-6.86)	10.2 (259)	5.7 (145)	1.6 (41)	2.7 (69)
GDE5200L	1/4" EHS 7#12 (6M) AW	•	•	•	0.215-0.270 (5.46-6.86)	13.9 (353)	9.4 (239)	1.6 (41)	2.7 (69)
GDE5201	5/16" EHS 7#10 (10M), 7#11 (8M) AW	•	•	•	0.270-0.315 (6.86-8.00)	10.3 (262)	5.5 (140)	1.8 (46)	2.8 (71)
GDE5201L	5/16" EHS 7#10 (10M), 7#11 (8M) AW	•	•	•	0.270-0.315 (6.86-8.00)	15.6 (396)	10.8 (274)	1.8 (46)	2.8 (71)
GDE5202	3/8" EHS 3#5, 7#8, 7#9 , 12.5M, 14M, 16M AW #4-2/5, #2-3/4, #1-5/2 AWAC®	•	•	•	0.325-0.392 (8.26-9.96)	13.0 (330)	7.1 (180)	2.1 (53)	3.5 (89)
GDE5202L	3/8" EHS 3#5, 7#8, 7#9 , 12.5M, 14M, 16M AW #4-2/5, #2-3/4, #1-5/2 AWAC®	•	•	•	0.325-0.392 (8.26-9.96)	16.8 (427)	11.0 (279)	2.1 (53)	3.5 (89)
GDE5203	7/16" EHS 7#7 (20M), 18M AW #2-2/5, #1-3/4, #1/0-5/2 AWAC®	•	•	•	0.392-0.458 (9.96-11.63)	15.0 (381)	8.2 (208	2.1 (53)	3.5 (89)
GDE5203L	7/16" EHS 7#7 (20M), 18M AW #2-2/5, #1-3/4, #1/0-5/2 AWAC®	•	•	•	0.392-0.458 (9.96-11.63)	18.7 (475)	12.3 (312)	2.1 (53)	3.8 (97)
GDE5204	1/2" EHS EHS, 25M AW #1-2/5, 1/0-3/4, #2/0-5/2 AWAC, #2/0-4/3 AWAC	•	•	•	0.455-0.520 (11.56-13.21)	16.0 (406)	10.3 (262)	2.1 (53)	4.1 (104)
GDE5204L	1/2" EHS EHS, 25M AW #1-2/5, 1/0-3/4, #2/0-5/2 AWAC, #2/0-4/3 AWAC	•	•	•	0.455-0.520 (11.56-13.21)	20.1 (511)	14.5 (368)	2.1 (53)	4.1 (104)

INSTALLATION BAIL	PART NO.
Bail for GDE5199	PS3005200
Bail for GDE5200 / GDE5200L	PS3005200
Bail for GDE5201 / GDE5201L	PS3005521
Bail for GDE5202 / GDE5202L	3005152
Bail for GDE5203 / GDE5203L	3005527
Bail for GDE5204 / GDE5204L	PS3005524



Typical Installation with 2nd Bail

Notes: *Suffix "L" denotes extended bail.*
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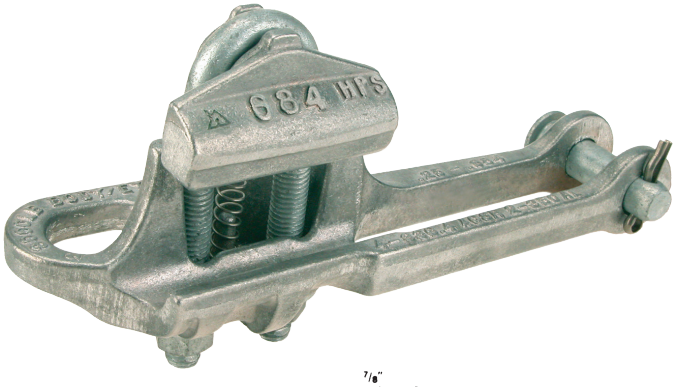
AWAC® is a registered trademark of Fushi Copperweld Inc.

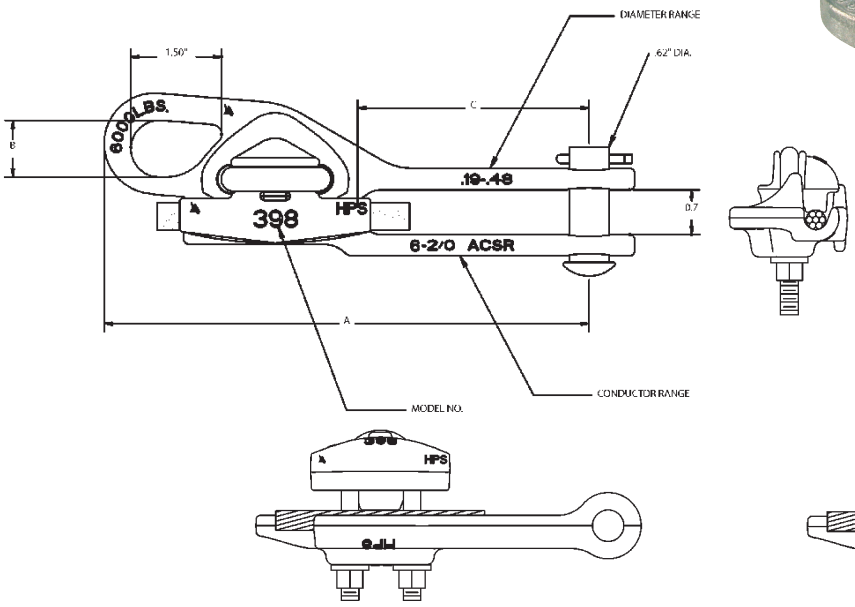
DEADENDS
BOLTED STRAIGHT-LINE
SPRING-LOADED – SIDE OPENING
ALUMINUM

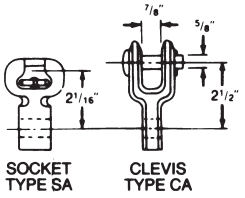
ALUMINUM
ASOD

For distribution and light transmission construction with AAC, AAAC and ACSR conductors. The vertical spring-loaded keeper provides the easiest installation of any current bolted strain clamp.

Material: **Body and Keeper** – 356-T6 Aluminum Alloy
Hardware – Galvanized Steel
Sockets and Clevises – Ductile Iron, Galvanized
Spring and Cotter Pin – Stainless Steel







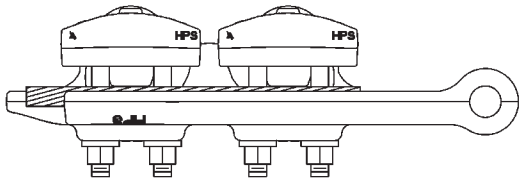


Fig. 1

Fig. 2

Product Data & Conductor Size

CATALOG NUMBER	U-BOLTS		CLAMPING RANGE						ULT. STR. LBS. (kN)		DIMENSIONS IN INCHES		
			ACSR		ALUMINUM		INCHES						
	NO.	SIZE	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	BODY	SAG EYE	A	B	C
ASOD3981N	1	3/8	#6 (6/1)	2/0 (6/1)	#4 (7)	2/0 (19)	0.19	0.48	6000 (26.69)	6000 (26.69)	8.00	1.00	3.62
ASOD5701N	1	1/2	#6 (6/1)	4/0 (6/1)	#4 (7)	4/0 (19)	0.19	0.57	8000 (35.59)	8000 (35.59)	8.62	1.00	3.75
ASOD6841N	1	1/2	#4 (6/1)	336.4 (18/1)	#2 (7)	350 (37)	0.25	0.69	8000 (35.59)	8000 (35.59)	9.00	1.00	4.50
ASOD8581N	1	1/2	#4 (6/1)	556.5 (18/1)	#2 (7)	556.5 (37)	0.25	0.89	8000 (35.59)	8000 (35.59)	9.62	1.00	4.75
ASOD8582N	2	1/2	3/0 (6/1)	556.5 (18/1)	4/0 (7)	556.5 (37)	0.50	0.89	12000 (53.38)	9000 (40.03)	14.50	1.00	6.00
ASOD11602N	2	1/2	336.4 (18/1)	900 (54/7)	350 (37)	954 (61)	0.69	1.16	12000 (53.38)	9000 (40.03)	16.75	1.50	7.75
ASOD12592N	2	1/2	336.4 (18/1)	1113 (45/7)	336.4 (19 STR)	1200 (91 STR)	0.666	1.263	15000 (66.72)	11250 (50.04)	16.56	1.5	6.9

NOTES: *(1) Recommended torque on U-bolts: 3/8"–25 lb.-ft., 1/2"–45 lb.-ft.*
(2) Add Suffix "C" for Clevis Fitting (Type CA)
(3) Add Suffix "S" for Socket Eye Fitting (Type SA)
(4) All bolted deadends are rated 40% of RBS - Partial tension per ANSI C119.4"
(5) For conductor sizes not shown in catalog, consult factory

ALUMINUM

ADSB

DEADENDS
SINGLE BOLT STRAIGHT-LINE SPRING-LOADED – SIDE-OPENING BOLTED QUADRANT STRAIN CLAMP ALUMINUM

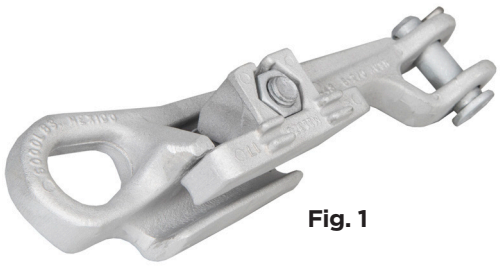
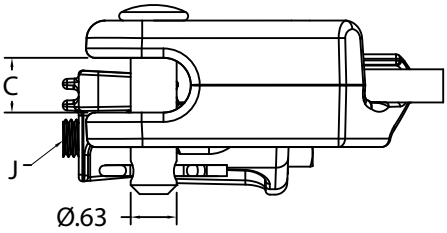


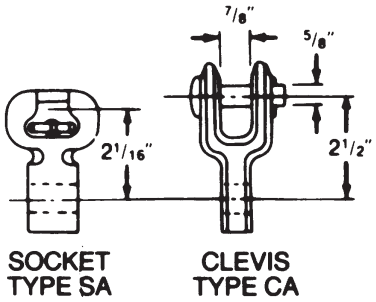
Fig. 1

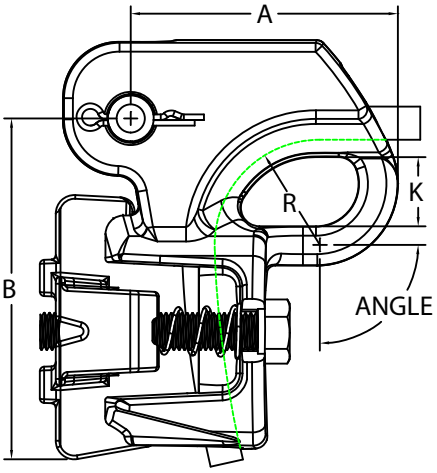
- For distribution construction using ACSR, AAC, and AAAC conductors
- Side loading conductor groove, in both a quadrant and straight line design, makes installation quicker than conventional side loading u-bolt style clamps
- Spring-loaded design holds keeper out of the way for easy conductor installation
- High strength ½" bolt, allows for quick installation with hand, battery pack, or hydraulic tools
- ANSI C119.4 Class 1A, normal tension connector (60% of rated conductor strength)

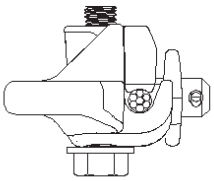
Material: **Body and Keeper** – High Strength Aluminum Alloy
Hardware – Galvanized Steel
Spring and Cotter Pin – Stainless Steel

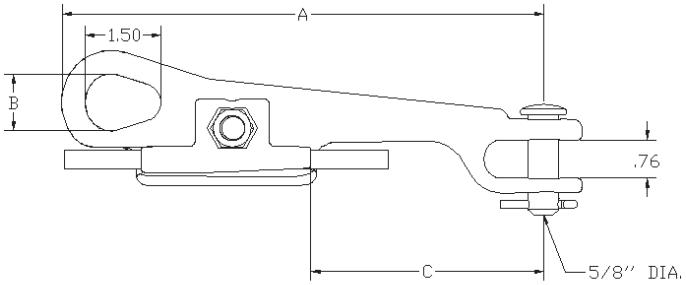
Fig. 2











Product Data & Conductor Size

CATALOG NUMBER	FIG. NO.	BOLTS		CLAMPING RANGE			ULT. STR. LBS. (KN)		DIMENSIONS IN INCHES (MM)				RECOM-MENDED TORQUE	WRENCH FLAT
		NO.	SIZE	ACSR	ALUMI-NUM	INCHES (MM)	BODY	SAG EYE	A	B	C	K		
ADSB48N*	1	1	1/2	#6 (6/1) To 2/0 (6/1)	#4 (7 STR) To 2/0 (19 STR)	0.19 - 0.48 (4.8 - 12.2)	6000 (26.69)	6000 (26.69)	9.6 (244)	1.13 (29)	4.63 (118)	N/A	45 LB-F (61 Nm)	3/4" (19mm)
SLQ48N	2						8000 (35.59)	6000 (26.69)	3.65 (93)	4.62 (117)	0.75 (19)	0.95 (24)		

NOTES: *For Socket or Clevis fitting replace the "N" suffix with "S" or "C"*
** For optional stainless steel lifting eye, add "E" to catalog number*

DEADENDS
BOLTED STRAIGHT LINE
SPRING-LOADED – SIDE-OPENING
ALUMINUM

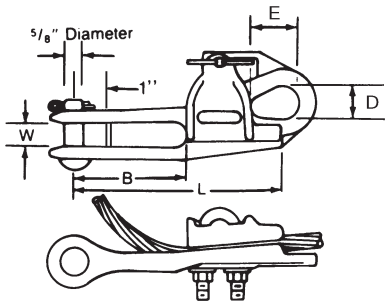
ALUMINUM
ADEZ/ADSO

For distribution and light transmission construction with all aluminum, ACSR or aluminum alloy conductor. The spring loaded keeper permits easy conductor insertion and lower installation cost.

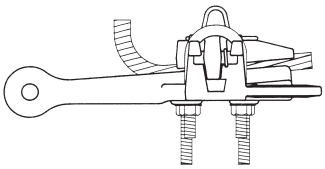
Captive nuts prevent disassembly and loss of hardware during installation on energized or de-energized lines.

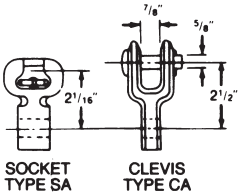
The pivotal keeper design avoids friction between body and keeper during installation.

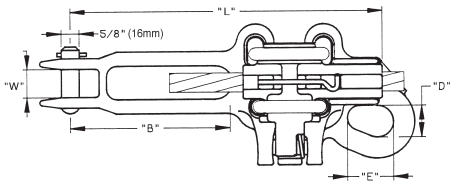
Material: **Body and Keeper** – 356-T6 Aluminum Alloy
Hardware – Galvanized Steel
Sockets and Clevises – Ductile Iron, Galvanized
Spring and Cotter Pin – Stainless Steel



ONE "U" BOLT
ADSO







TWO "U" BOLTS
ADEZ

Product Data & Conductor Size

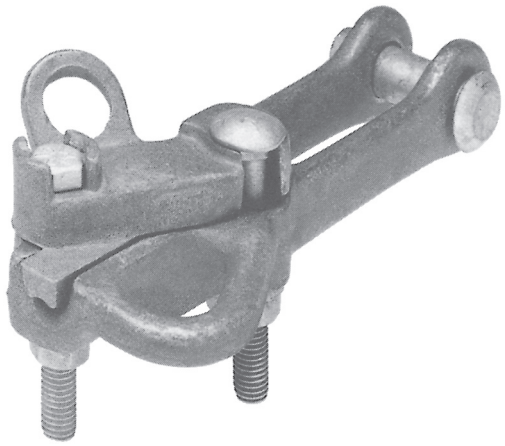
CATALOG NUMBER	FITTING TYPE	FITTING CAT. NO.	CLAMPING RANGE ACSR	CLAMPING RANGE ALUMINUM	CLAMPING RANGE INCHES (MM)	ULTIMATE BODY STRENGTH LBS. (KN)	U-BOLTS NO.	U-BOLTS SIZE INCHES (MM)	DIMENSIONS INCHES (MM) L	B	W	D	E	APPROX. WT. EACH LBS. (KG)
ADSO46N	None	-	#6 (6/1)	#4 (7)	.18-.46	7,000	1	3/8	6-5/8	3-5/8	3/4	1	1-1/2	1.2 (.54)
ADSO46S	Socket	SA04	To	To	(4.57-11.68)	(31.14)		(9.53)	(168.28)	(92.08)	(19.05)	(25.40)	(38.10)	2.4 (1.09)
ADSO46C	Clevis	CA04	2/0 (6/1)	3/0 (7)										2.8 (1.27)
ADEZ47N	None	-	#6 (6/1)	#4 (7)	.18-.47	7,000	2	3/8	6-1/2	3-1/4	3/4	1	1-51/64	1.3 (.59)
ADEZ47S	Socket	SA04	To	To	(4.57-11.94)	(31.14)		(9.53)	(165.10)	(82.55)	(19.05)	(25.40)	(45.64)	2.5 (1.13)
ADEZ47C	Clevis	CA04	2/0 (6/1)	3/0 (7)										2.9 (1.32)
ADEZ70N	None	-	#4 (6/1)	#4 (7)	.31-.70	9,000	2	3/8	8-1/4	4-15/64	15/16	1-1/8	1-5/8	1.6 (.73)
ADEZ70S	Socket	SA06	To	To	(7.87-17.78)	(40.03)		(9.53)	(209.55)	(107.55)	(23.81)	(28.58)	(41.28)	3.0 (1.36)
ADEZ70C	Clevis	CA06	336.4 (18/1)	350 (19)										3.1 (1.41)
ADEZ88N	None	-	2/0 (6/1)	3/0 (7)	.44-.88	10,000	2	1/2	9-5/16	4-23/32	15/16	1-1/8	1-5/8	3.0 (1.36)
ADEZ88S	Socket	SA06	To	To	(11.18-22.35)	(44.48)		(12.70)	(236.54)	(119.86)	(23.81)	(25.58)	(41.28)	4.3 (1.95)
ADEZ88C	Clevis	CA06	556 (18/1)	556 (37)										4.7 (2.13)
ADEZ116N	None	-	336.4 (18/1)	350 (37)	.68-1.16	12,000	2	1/2	10-13/16	5-3/8	1	1-1/8	1-5/8	3.7 (1.68)
ADEZ116S	Socket	SA06	To	To	(17.27-29.46)	(53.38)		(12.70)	(274.64)	(136.53)	(25.40)	(25.58)	41.28	5.0 (2.27)
ADEZ116C	Clevis	CA06	954 (36/1)	1000 (61)										5.4 (2.45)

NOTES: *(1) Recommended Torque on bolts: 3/8"—240 in. lbs., 1/2"—480 in. lbs.*
(2) For optional stainless steel lifting eye, add "E" to catalog number. Example: ADSO46EN
(3) All bolted deadends are rated 40% of RBS - Partial tension per ANSI C119.4"
(4) For conductor sizes not shown in catalog, consult factory

ALUMINUM

GD900

DEADENDS
BOLTED STRAIGHT LINE
DEADEND STRAIN CLAMP
SWING AWAY ALUMINUM



For distribution and light transmission construction. The angle beam pressure pad effectively converts torque to maximum pressure and spreads this force over the total contact area.

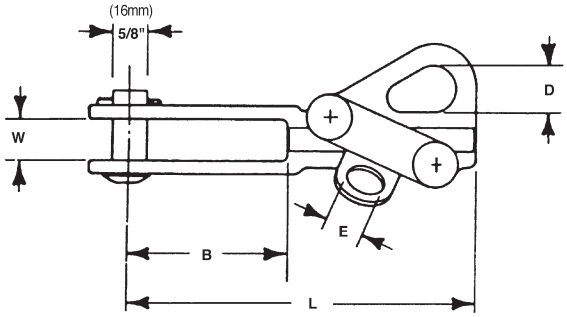
The compressive forces are combined with the modified parabolic "V" groove of the body to provide maximum conductor encirclement and increased holding ability.

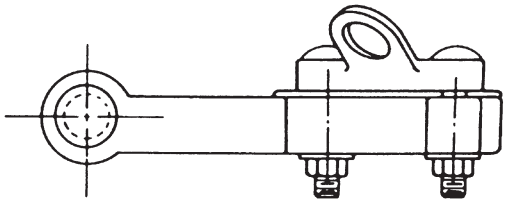
The large pulling eye makes it convenient to connect and disconnect the "come-along" hook.

SWING AWAY DESIGN

The pressure pad is easily lifted and swung clear of the cable groove permitting convenient top loading of the conductor without disassembly.

Material: **Body and Keeper** – 356-T6 Aluminum Alloy
Hardware – Galvanized Steel
Cotter Pin – #302 Stainless Steel





Product Data & Conductor Size

CATALOG NUMBER	CLAMPING RANGE			ULTIMATE BODY STRENGTH LBS. (kN)	BOLT SIZE INCHES (MM)	DIMENSIONS INCHES (MM)					APPROX. WT. EACH LBS. (KG)
	ACSR	ALUMINUM	INCHES (MM)			L	B	W	D	E	
GD961A**	#6 (6/1) To 2/0 (6/1)	#6 (7) to 3/0 (7)	.18-.47 (4.57-11.94)	7,000 (31.14)	3/8 (9.53)	6-5/8 (168.4)	3 (76.2)	3/4 (19.05)	7/8 (22.22)	–	1.1 (0.5)
GD963A	#4 (6/1) to 397.5 (30/7)	#4 (7) to 477 (37)	.25-.81 (6.35-20.57)	10,000 (44.48)	1/2 (12.70)	10 (254)	5 (127)	3/4 (19.05)	1 25.4	7/8 (22.22)	2.0 (0.9)
GD965A	3/0 (6/1) to 556.5 (18/1)	4/0 (7) to 556.5 (37)	.50-.88 (12.7-22.35)	10,000 (44.48)	1/2 (12.70)	10-1/8 (257.17)	5-1/4 (133.35)	3/4 (19.05)	1 25.4	7/8 (22.22)	3.3 (1.5)
GD967A	300 (26/7) to 954 (36/1)	336.4 (19) to 954 (61)	.68-1.15 (17.27-29.21)	10,000 (44.48)	1/2 (12.70)	16-1/2 (419.1)	10 (254)	1-1/4 (31.75)	1-1/8 25.58	7/8 (22.22)	3.8 (1.7)

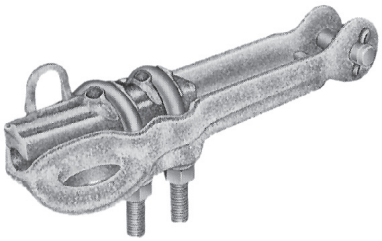
NOTE: *(1) Recommended Torque on bolts: 3/8"—240 in. lbs., 1/2"—480 in. lbs.*
(2) All bolted deadends are rated 40% of RBS - Partial tension per ANSI C119.4"
(3) For conductor sizes not shown in catalog, consult factory
*** RUS Listed.*

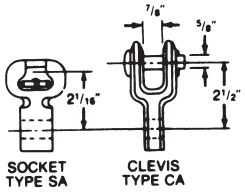
DEADENDS
BOLTED STRAIGHT LINE STRAIN CLAMP
ALUMINUM

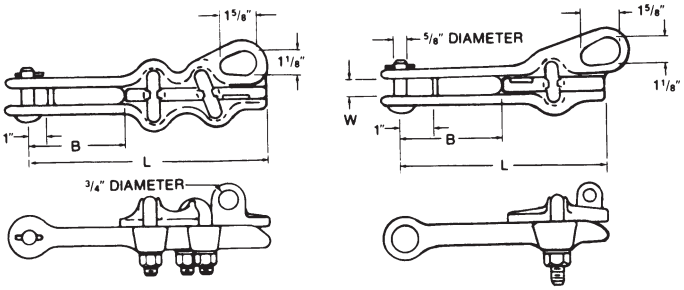
ALUMINUM
ADS

For distribution and light transmission construction with all aluminum, ACSR or aluminum alloy conductor. These clamps have high holding power and large range taking ability. (Straight Contoured Groove)

Material: **Body and Keeper** – 356-T6 Aluminum Alloy
Hardware – Galvanized Steel
Sockets and Clevises – Ductile Iron, Galvanized
Cotter Pin – #302 Stainless Steel







Product Data & Conductor Size

CATALOG NUMBER	FITTING TYPE	FITTING CAT. NO.	CLAMPING RANGE ACSR	CLAMPING RANGE ALUMINUM	CLAMPING RANGE INCHES (MM)	ULTIMATE BODY STRENGTH LBS. (kN)	U-BOLTS NO.	U-BOLTS SIZE INCHES (MM)	DIMENSIONS INCHES (MM) L	DIMENSIONS INCHES (MM) B	DIMENSIONS INCHES (MM) W	APPROX. WT. EACH LBS. (KG)
ADS47N	None	-	#6 (6/1)	#6-7 Str.	.18-.47	7,000	1	1/2	5-3/8	2-1/8	11/16	1.1 (.50)
ADS47S	Socket	SA04	To	To	(4.57-11.94)	(31.14)		(12.70)	(136.52)	(53.98)	(17.46)	2.4 (1.09)
ADS47C	Clevis	CA04	2/0 (6/1)	3/0-19 Str.								2.7 (1.22)
*ADS47LN	None	-	#6 (6/1)	#6-7 Str.	.18-.47	7,000	1	1/2	6-3/4	3-1/2	11/16	1.3 (.59)
*ADS47LS	Socket	SA04	To	To	(4.57-11.94)	(31.14)		(12.70)	(171.45)	(88.90)	(17.46)	2.6 (1.15)
*ADS47LC	Clevis	CA04	2/0 (6/1)	3/0-19 Str.								2.9 (1.32)
ADS48N**	None	-	#6 (6/1)	#6-7 Str.	.18-.502	7,000	2	3/8	7-5/8	3-7/8	11/16	1.6 (.73)
ADS48S	Socket	SA04	To	To	(4.57-12.75)	(31.14)		(9.53)	190.50)	(98.43)	(17.46)	2.9 (1.32)
ADS48C	Clevis	CA04	3/0 (6/1)	3/0-19 Str.								3.2 (1.46)
ADS60N**	None	-	#6 (6/1)	#4-7 Str.	.19-.60	8,000	2	1/2	8-1/4	4	3/4	2.0 (.91)
ADS60S	Socket	SA04	To	To	(4.83-15.24)	(35.59)		(12.70)	(209.55)	(101.60)	(19.05)	3.2 (1.45)
ADS60C	Clevis	CA04	266.8 (18/1)	266.8-19 Str.								3.6 (1.63)
*ADS60LN	None	-	#6 (6/1)	#4-7 Str.	.19-.60	8,000	2	1/2	10-5/8	6	3/4	2.2 (1.00)
*ADS60LS	Socket	SA04	To	To	(4.83-15.24)	(35.59)		(12.70)	(269.88)	(152.40)	(19.05)	3.4 (1.54)
*ADS60LC	Clevis	CA04	266.8 (18/1)	266.8-19 Str.								3.8 (1.72)
ADS88N	None	-	#2 (6/1)	#1-7 Str.	.31-.88	10,000	2	1/2	9	4-1/2	15/16	2.2 (1.00)
ADS88S	Socket	SA06	To	To	(7.87-22.35)	(44.48)		(12.70)	(228.60)	(114.30)	(23.81)	3.5 (1.59)
ADS88C	Clevis	CA06	556.5 (18/1)	556.5-37 Str.								3.9 (1.77)
*ADS88LN	None	-	#2 (6/1)	#1-7 Str.	.31-.88	10,000	2	1/2	12	7-1/2	15/16	2.4 (1.09)
*ADS88LS	Socket	SA06	To	To	(7.87-22.35)	(44.48)		(12.70)	(304.80)	(190.50)	(23.81)	3.7 (1.68)
*ADS88LC	Clevis	CA06	556.5 (18/1)	556.5-37 Str.								4.1 (1.86)
ADS116N	None	-	#2 (6/1)	#1-7 Str.	.31-1.16	15,000	2	1/2	10-1/2	5-1/2	1	2.9 (1.32)
ADS116S	Socket	SA07	To	To	(7.87-29.46)	(66.72)		(12.70)	(266.70)	(139.70)	(25.40)	4.2 (1.91)
ADS116C	Clevis	CA06	954 (36/1)	1000-61 Str.								4.6 (2.09)
ADS130N	None	-	266.8 (26/7)	336.4-19 Str.	.64-1.30	15,000	2	1/2	10-1/2	5-1/2	1	3.0 (1.36)
ADS130S	Socket	SA07	To	To	(16.26-33.02)	(66.72)		(12.70)	(266.70)	(139.70)	(25.40)	4.3 (1.95)
ADS130C	Clevis	CA06	1192.5 (45/7)	1272-61 Str.								4.7 (2.13)
ADS155N	None	-	336.4 (26/7)	397.5-19 Str.	.72-1.55	15,000	2	5/8	11-3/4	6	1	4.4 (2.0)
ADS155S	Socket	SA07	To	To	(18.3-39.9)	(66.72)		(15.9)	(298.5)	(152.4)	(25.40)	5.8 (2.6)
ADS155C	Clevis	CA06	1590.5 (54/19)	1800-127 Str.								6.1 (2.8)

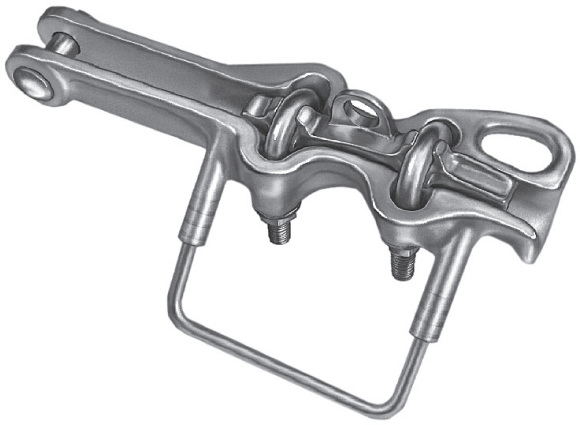
NOTES: *(1) Recommended Torque on bolts: 3/8"—240 in. lbs., 1/2"—480 in. lbs., 5/8"—720 in.-lbs.*
(2) Lifting eye is standard on keeper for hot line work.
(3) All bolted deadends are rated 40% of RBS - Partial tension per ANSI C119.4"
(4) For conductor sizes not shown in catalog, consult factory

**Extra length clamps for greater insulator clearance.*
*** RUS Listed.*

ALUMINUM

ADES

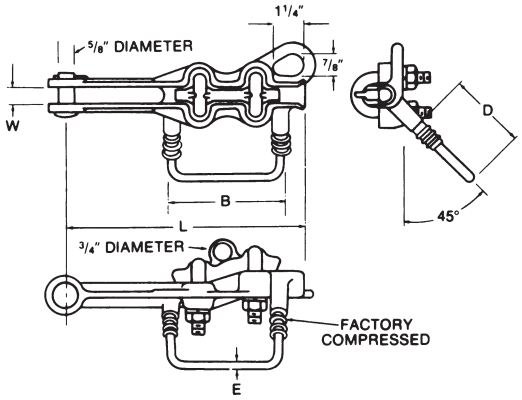
DEADENDS
BOLTED STRAIGHT LINE STIRRUP CLAMP
ALUMINUM

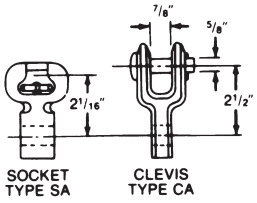


For distribution construction with all aluminum, ACSR or aluminum alloy conductor. This clamp is a combination deadend and stirrup or tap clamp. The stirrup permits tapping energized conductors without arching damage to the conductor.

Material and installation costs are less with the ADES combination clamp than with other equivalent methods of deadending and tapping a conductor.

Material:
Body and Keeper – 356-T6 Aluminum Alloy
Hardware – Galvanized Steel
Sockets and Clevises – Ductile Iron, Galvanized
Cotter Pin – #302 Stainless Steel
Stirrup – Copper





Product Data & Conductor Size

CATALOG NUMBER	FITTING TYPE	FITTING CAT. NO.	CLAMPING RANGE ACSR	CLAMPING RANGE ALUMINUM	CLAMPING RANGE INCHES (MM)	ULTIMATE BODY STRENGTH LBS. (kN)	U-BOLTS NO.	U-BOLTS SIZE INCHES (MM)	LOOP DIA. E	DIMENSIONS INCHES (MM) L	B	W	D	APPROX. WT. EACH LBS. (KG)
ADES46N	None	-	#6 (6/1)	#6-7 Str.	.18-.46	6,000	2	3/8	.289	7-1/2	4	3/4	2	1.8 (0.82)
ADES46S	Socket	SA04	To	To	(4.57-11.68)	(26.69)		(9.53)	(7.3)	(190.50)	(101.60)	(19.05)	(50.80)	3.0 (1.36)
ADES46C	Clevis	CA04	2/0 (6/1)	2/0-19 Str.					#1					3.4 (1.54)
ADES60N	None	-	1/0 (6/1)	1/0-7 Str.	.36-.60	8,000	2	1/2	.325	9-5/8	4	3/4	3-1/16	2.8 (1.3)
ADES60S	Socket	SA04	To	To	(9.14-15.24)	(35.59)		(12.70)	(8.3)	(244.48)	(101.60)	(19.05)	(77.79)	4.0 (1.81)
ADES60C	Clevis	CA04	266.8 (18/1)	266.8-19 Str.					1/0					4.4 (2.00)
ADES70N	None	-	3/0 (6/1)	3/0-7 Str.	.46-.70	8,000	2	1/2	.325	10-3/4	4-31/32	3/4	2-1/8	3.0 (1.40)
ADES70S	Socket	SA04	To	To	(11.68-17.78)	(35.59)		(12.70)	(8.3)	(273.05)	(126.21)	(19.05)	53.98)	4.2 (1.91)
ADES70C	Clevis	CA04	336.4 (18/1)	350-37 Str.					1/0					4.7 (2.13)

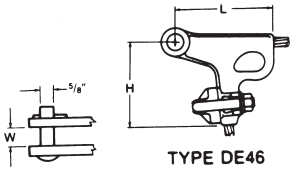
NOTES: *(1) Recommended Torque on U-bolts: 3/8"—240 in. lbs., 1/2"—480 in. lbs.*
(2) Lifting eye is standard on keeper for hot line work.
(3) All bolted deadends are rated 40% of RBS - Partial tension per ANSI C119.4"
(4) For conductor sizes not shown in catalog, consult factory

DEADENDS
BOLTED QUADRANT STRAIN CLAMP
ALUMINUM

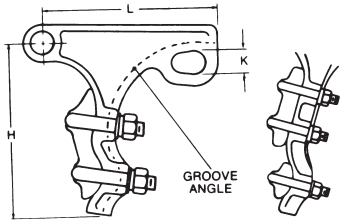
ALUMINUM
PG/DE

For distribution and light transmission construction with all aluminum, ACSR or aluminum alloy conductor.

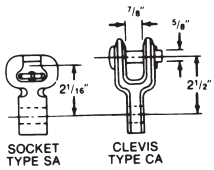
Material: **Body and Keeper** – 356-T6 Aluminum Alloy
Hardware – Galvanized Steel
Sockets and Clevises – Ductile Iron, Galvanized
Cotter Pin – #302 Stainless Steel



TYPE DE46



TYPE PG



CATALOG NUMBER	DIMENSIONS INCHES (MM)			
	L	W	H	K
DE46	3-7/8 (98.30)	11/16 (17.46)	3-13/16 (96.84)	7/8 (22.10)
PG46	4-1/16 (103.18)	11/16 (17.46)	4-3/4 (120.65)	1 (25.40)
PG57	5-1/2 (139.7)	11/16 (17.46)	5-5/16 (134.87)	1 (25.40)
PG70	6-7/16 (163.51)	25/32 (19.84)	7 (177.80)	1-1/8 (28.58)
PG86L	6-9/16 (166.69)	1-1/16 (26.99)	7-7/16 (188.91)	1 (25.40)
PG100L	9-7/8 (250.83)	1-3/16 (30.16)	9-5/16 (236.54)	1-1/4 (31.75)

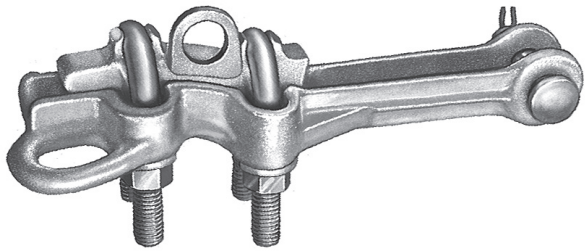
Product Data & Conductor Size

CATALOG NUMBER	FITTING		CLAMPING RANGE			ULTIMATE BODY STRENGTH LBS. (kN)	U-BOLTS		GROOVE ANGLE	APPROX. WT. EACH LBS. (KG)
	TYPE	CAT. NO.	ACSR	ALUMINUM	INCHES (MM)		NO.	SIZE INCHES (MM)		
DE46N DE46S DE46C	None Socket Clevis	-- SA04 CA04	#6 (6/1) To 3/0 (6/1)	#6 -7 Str. To 3/0-19 Str.	.18-.52 (4.57-13.21)	8,000 (35.59)	1	1/2 (12.70)	85°	1.2 (.54) 2.2 (1.00) 2.2 (1.00)
PG46N** PG46S PG46C	None Socket Clevis	-- SA04 CA04	#6 (6/1) To 3/0 (6/1)	#6 -7 Str. To 3/0-19 Str.	.18-.52 (4.57-13.21)	8,000 (35.59)	2	3/8 (9.53)	90°	1.1 (.50) 2.4 (1.08) 2.7 (1.22)
PG57N** PG57S PG57C	None Socket Clevis	-- SA04 CA04	#4 (6/1) To 4/0 (6/1)	#3-7 Str. To 4/0-19 Str.	.25-.57 (6.35-14.48)	10,000 (44.48)	2	1/2 (12.70)	90°	2.0 (.91) 3.2 (1.45) 3.6 (1.63)
PG70N PG70S PG70C	None Socket Clevis	-- SA04 CA04	101.8 (12/7) To 336.4 (26/7)	3/0-7 Str. To 400-37 Str.	.46-.73 (11.68-18.54)	15,000 (66.72)	2	1/2 (12.70)	85°	2.5 (1.13) 3.8 (1.72) 4.1 (1.86)
PG86LN PG86LS PG86LC	None Socket Clevis	-- SA07 CA06	134.6 (12/7) To 556.5 (18/1)	4/0-7 Str. To 556.5-37 Str.	.52-.88 (13.21-22.35)	15,000 (66.72)	2	1/2 (12.70)	70°	2.9 (1.32) 4.2 (1.91) 4.6 (2.09)
PG100LN PG100LS PG100LC	None Socket Clevis	-- SA10 CA101	3/0 (6/1) To 666.6 (24/7)	4/0-7 Str. To 750-61 Str.	.50-1.00 (12.70-25.40)	18,000 (80.07)	2	1/2 (12.70)	60°	4.5 (2.04) 5.9 (2.68) 6.2 (2.81)

NOTE: *(1) Recommended Torque on U-bolts: 3/8"—240 in. lbs., 1/2"—480 in. lbs.*
(2) All bolted deadends are rated 40% of RBS - Partial tension per ANSI C119.4"
(3) For conductor sizes not shown in catalog, consult factory
*** RUS Listed*

DUCTILE IRON
MDE

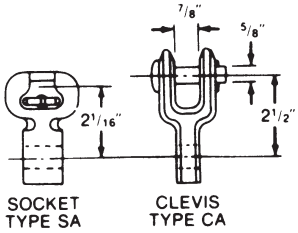
DEADENDS
BOLTED STRAIGHT LINE STRAIN CLAMP
FERROUS

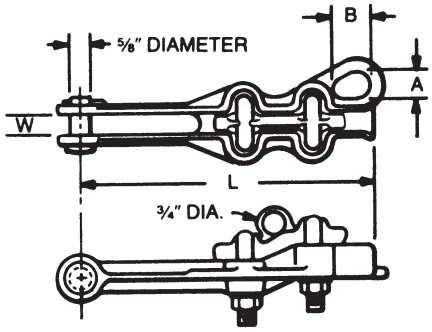


For deadending static wires.

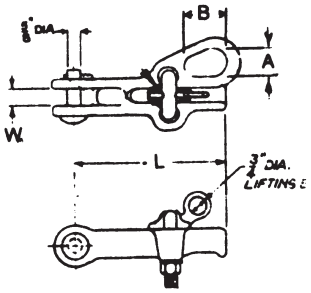
May be used to deadend copper or Copperweld® phase conductors. Magnetic induction heating will occur.

Material: **Body and Keeper** – Galvanized Ductile Iron
Hardware – Galvanized Steel
Sockets and Clevises – Ductile Iron, Galvanized
Cotter Pin – #302 Stainless Steel





(TYPES MDE 46 & 60 ONLY)



TYPE MDE40

Product Data & Conductor Size

CATALOG NUMBER	FITTING TYPE	FITTING CAT. NO.	CLAMPING RANGE INCHES (MM)	ULTIMATE BODY STRENGTH LBS. (KN)	U-BOLTS NO.	U-BOLTS SIZE INCHES (MM)	DIMENSIONS INCHES (MM) L	DIMENSIONS INCHES (MM) W	DIMENSIONS INCHES (MM) A X B	APPROX. WT. EACH LBS. (KG)
MDE40N MDE40S MDE40C	None Socket Clevis	- SA04 CA04	.16-.40 (4.06-10.16)	5,000 (22.24)	1	1/2 (12.70)	6-3/16 (157.16)	13/16 (20.6)	7/8 x 1-1/4 (22.2 x 31.8)	2.1 (.95) 3.4 (1.54) 3.7 (1.68)
MDE46N MDE46S MDE46C	None Socket Clevis	- SA04 CA04	.18-.46 (4.57-11.68)	6,000 (26.69)	2	3/8 (9.53)	7-1/2 (190.5)	3/4 (19.05)	7/8 x 1-1/4 (22.2 x 31.8)	2.5 (1.13) 3.8 (1.72) 4.1 (1.86)
MDE60N MDE60S MDE60C	None Socket Clevis	- SA04 CA04	.36-.60 (9.14-15.24)	8,000 (35.59)	2	1/2 (12.70)	8-15/16 (227.01)	3/4 (19.05)	7/8 x 1-1/4 (22.2 x 31.8)	3.8 (1.72) 5.0 (2.27) 5.4 (2.45)
876722000	None	—	.46-.86 (11.68-21.84)	10,000 (44.48)	2	1/2 (12.70)	9-1/4 (234.95)	3/4 (19.05)	1 x 1-7/16 (25.4 x 36.5)	3.8 (1.72)
876822000	None	—	.65-1.25 (16.51-31.75)	10,000 (44.48)	2	1/2 (12.70)	11 (279.40)	3/4 (19.05)	1 x 1-13/16 (25.4 x 46.0)	5.5 (2.49)
876922000	None	—	.86-1.55 (21.84-39.37)	10,000 (44.48)	2	3/8 (9.53)	12.5 (317.50)	3/4 (19.05)	1-1/16 x 2-1/8 (27.0 x 54.0)	7.9 (3.58)

NOTES: *(1) Recommended Torque on U-bolts: 3/8"—240 ins. lbs., 1/2"—480 in. lbs., 5/8"—720 in. lbs.*
(2) Lifting eye is standard on MDE type clamps.
(3) 87600 series without lifting eye.
(4) All bolted deadends are rated 40% of RBS - Partial tension per ANSI C119.4"
(5) For conductor sizes not shown in catalog, consult factory

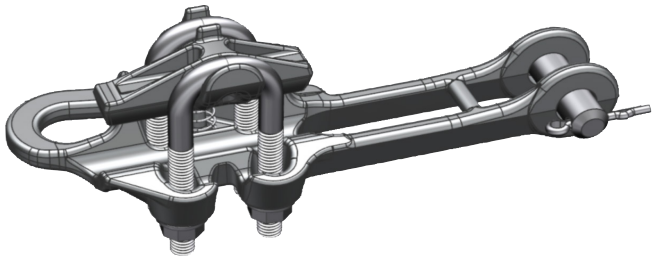
Copperweld® is a registered trademark of Fushi Copperweld Inc.

DEADENDS
BOLTED STRAIGHT LINE
SPRING-LOADED – SIDE OPENING
FERROUS

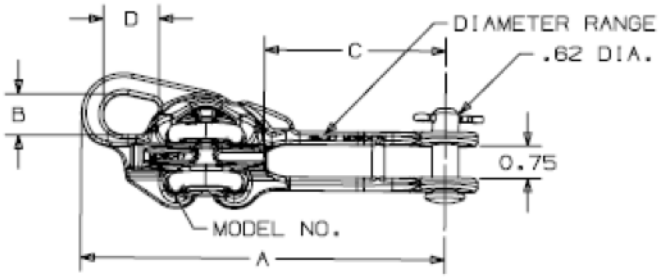
DUCTILE IRON
MDSO

For deadending static wires.

May be used to deadend copper or Copperweld® phase conductors. Magnetic induction heating will occur.



Material: **Body and Keeper** – Galvanized Ductile Iron
Hardware – Galvanized Steel
Sockets and Clevises – Ductile Iron, Galvanized
Cotter Pin – #302 Stainless Steel



Product Data & Conductor Size

	U-BOLTS		CLAMPING RANGE (IN)		ULTIMATE BODY STRENGTH (LBS)		DIMENSIONS (IN)			
CATALOG NUMBER	NO.	SIZE	MIN	MAX	BODY	SAG EYE	A	B	C	D
MDSO47N	2	3/8	0.19	0.47	8000	6000	8.53	0.94	4.27	1.32
MDSO57N	2	3/8	0.25	0.57	8000	6000	8.94	1.02	4.27	1.42
MDSO70N	2	3/8	0.31	0.70	9000	6000	9.54	1.03	6.33	1.50

NOTES: (1) All bolted deadends are rated 40% of RBS - Partial tension per ANSI C119.4"
(2) For conductor sizes not shown in catalog, consult factory

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DUCTILE IRON
SWDE/MD

DEADENDS
BOLTED QUADRANT STRAIN CLAMP
FERROUS

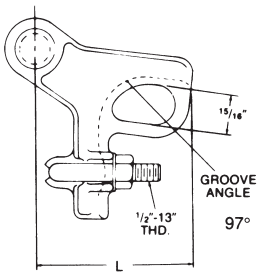
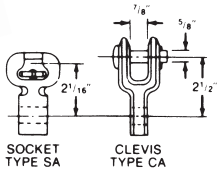


FIGURE 4



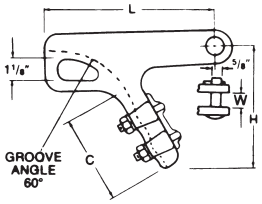
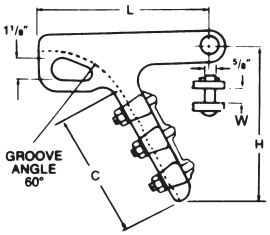


FIGURE 1



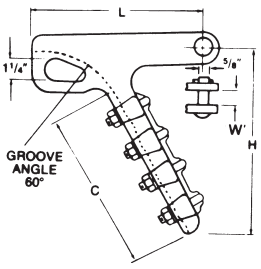


FIGURE 2

For deadending static wires.

May be used to deadend copper or Copperweld® phase conductors. Magnetic induction heating will occur.

Material: **Body and Keeper** – Galvanized Ductile Iron
Sockets and Clevises – Ductile Iron, Galvanized
Cotter Pin – #302 Stainless Steel

CATALOG NUMBER	DIMENSIONS INCHES (MM)			
	L	H	C	W
MD52N MD52S MD52C	2-25/32 (70.61)	4-3/32 (103.89)	2-1/8 (54.10)	5/8 (15.88)
SWDE46N SWDE46S SWDE46C	6 (152.40)	5-1/2 (139.70)	4-3/8 (111.12)	5/8 (15.88)
SWDE55N SWDE55S SWDE55C	8 (203.20)	8-5/8 (219.08)	7-3/8 (187.33)	11/16 (17.46)
SWDE84N SWDE84S SWDE84C	10-3/4 (273.05)	10-5/8 (270.00)	8-7/16 (214.38)	15/16 (23.88)

Product Data & Conductor Size

CATALOG NUMBER	FITTING TYPE	FITTING CAT. NO.	FIGURE NUMBER	CLAMPING RANGE GALV. STEEL DIA.	GALV. STEEL NO. STR.	GALV. STEEL GRADE	CLAMPING RANGE COPPER	CLAMPING RANGE INCHES (MM)	ULTIMATE BODY STRENGTH LBS. (kN)	U-BOLTS NO.	U-BOLTS SIZE INCHES (MM)	APPROX. WT. EACH LBS. (KG)
MD52N MD52S MD52C	None Socket Clevis	-- SA04 CA04	4	ACSR #6 (6/1) to 4/0 (6/1)	—	—	#6 Sol. To 4/0 Str.	.160-.563 (4.06-14.30)	12,000 (53)	1	1/2 (12.70)	1.9 (.86) 3.2 (1.45) 3.5 (1.59)
SWDE46N SWDE46S SWDE46C	None Socket Clevis	-- SA04 CA04	1	3/8 (9.53) 7/16 (11.11) 3/16 (4.76)	7 7 7	Utilities High Str. Utilities	#6 Str. To 4/0 Sol.	.18-.46 (4.57-11.68)	15,000 (67) 15,000 (67) 15,000 (67)	2	1/2 (12.70)	4.1 (1.86) 5.4 (2.45) 5.7 (2.49)
SWDE55N SWDE55S SWDE55C	None Socket Clevis	-- SA04 CA04	2	1/4 (6.35) 9/32 (7.14) 5/16 (7.94) 3/8 (9.53) 7/16 (11.11) 1/2 (12.70)	7 7 7 7 7 7	All Grades Within Clamping And Strength Rating	#4 (7) To 4/0 (19)	.22-.55 (5.59-13.97)	19,000 (85) 18,000 (80) 18,000 (80)	3	1/2 (12.70)	6.0 (3.08) 8.0 (3.63) 8.4 (3.81)
SWDE84N SWDE84S SWDE84C	None Socket Clevis	-- SA07 CA06	3	3/8 (9.53) thru 3/4 (19.05)	7 7 7		2/0 Sol. To 500 Str.	.36-.84 (8.89-21.34)	30,000 (133) 30,000 (133) 25,000 (111)	4	1/2 (12.70)	11.0 (4.99) 12.35 (5.60) 12.7 (5.76)

NOTES:
(1) Sag Eye Ultimate Strength is 60% of Clamp strength without fitting.
(2) Rated slip strength as a % of conductor RBS varies with cable size and stranding. Minimum slip strength on standard shield wire cables is 40% RBS (Partial Tension). For many shield wire cables, minimum slip strength of this clamp series is 60% RBS (Normal Tension). (Consult factory for slip strength test data on specific clamp & conductor combinations).
(3) Recommended torque on u-bolts: 1/2" -- 480 in-lbs.
(4) Bolt and Nut may be substituted for clevis pin by adding suffix "BNK" to catalog number.
(5) All bolted deadends are rated 40% of RBS - Partial tension per ANSI C119.4"
(6) For conductor sizes not shown in catalog, consult factory

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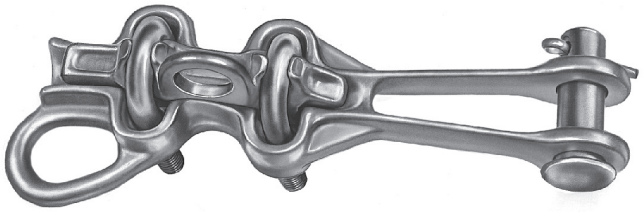
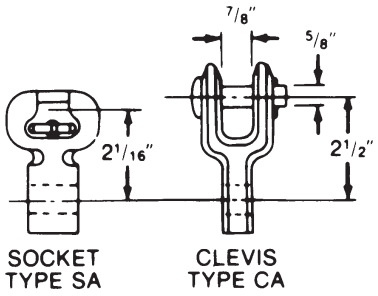
DEADENDS
BOLTED STRAIGHT LINE STRAIN CLAMP
BRONZE

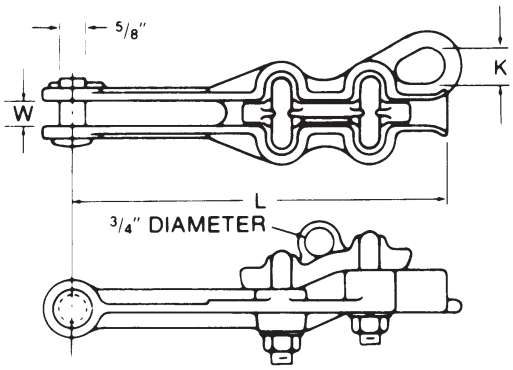
BRONZE
BDE

For distribution and light transmission construction with copper or Copperweld® conductor. Power loss, corrosion and heat rise are all reduced to a minimum due to the nonferrous construction

Material:
Body – High Strength Aluminum Bronze Alloy or Red Brass
Keeper – Electrical Bronze
Hardware – Galvanized Steel
Sockets and Clevises – Ductile Iron, Galvanized
Cotter Pin – #302 Stainless Steel







Product Data & Conductor Size

CATALOG NUMBER	FITTING TYPE	FITTING CAT. NO.	CLAMPING RANGE COPPER	CLAMPING RANGE INCHES (MM)	ULTIMATE BODY STRENGTH LBS. (kN)	U-BOLTS NO.	U-BOLTS SIZE INCHES (MM)	DIMENSIONS INCHES (MM) L	W	K	APPROX. WT. EACH LBS. (KG)
BDE46N	None	--	#6 Sol.	.16-.46	6,000	2	3/8	7-1/4	3/4	7/8	3.2 (1.45)
BDE46S	Socket	SA04	To	(4.06-11.68)	(26.69)		(9.53)	(184.15)	(19.05)	(22.23)	4.4 (2.00)
BDE46C	Clevis	CA04	4/0 Sol.								4.8 (2.18)
BDE60N	None	--	2/0 Sol.	.36-.60	8,000	2	1/2	8-3/4	3/4	7/8	5.6 (2.54)
BDE60S	Socket	SA04	To	(9.14-15.24)	(35.59)		(12.70)	(222.25)	(19.05)	(22.23)	6.9 (3.13)
BDE60C	Clevis	CA04	250 MCM								7.2 (3.27)
BDE70N	None	--	4/0 Sol.	.46-.70	8,000	2	1/2	10-3/4	3/4	15/16	6.5 (2.95)
BDE70S	Socket	SA04	To	(11.68-17.78)	(35.59)		(12.70)	(273.05)	(19.05)	(23.81)	7.8 (3.54)
BDE70C	Clevis	CA04	350 MCM								8.1 (3.67)
BDE86N	None	--	4/0-7 Str.	.52-.86	8,000	2	1/2	11	15/16	15/16	7.0 (3.18)
BDE86S	Socket	SA06	To	(13.21-21.84)	(35.59)		(12.70)	(279.40)	(23.81)	(23.81)	8.3 (3.76)
BDE86C	Clevis	CA06	550 MCM								8.7 (3.95)
BDE98N	None	--	350-37 Str.	.68-.98	9,000	2	1/2	11-5/8	1-1/16	15/16	7.4 (3.36)
BDE98S	Socket	SA06	To	(17.27-24.89)	(40.03)		(12.70)	(295.28)	(26.99)	(23.81)	8.7 (3.95)
BDE98C	Clevis	CA06	700 MCM								9.1 (4.13)

NOTES: *(1) Recommended Torque on U-bolts: 3/8"—240 ins. lbs., 1/2"—480 in. lbs.*
(2) Lifting eye is standard on keeper for hot line work.
(3) All bolted deadends are rated 40% of RBS - Partial tension per ANSI C119.4"
(4) For conductor sizes not shown in catalog, consult factory

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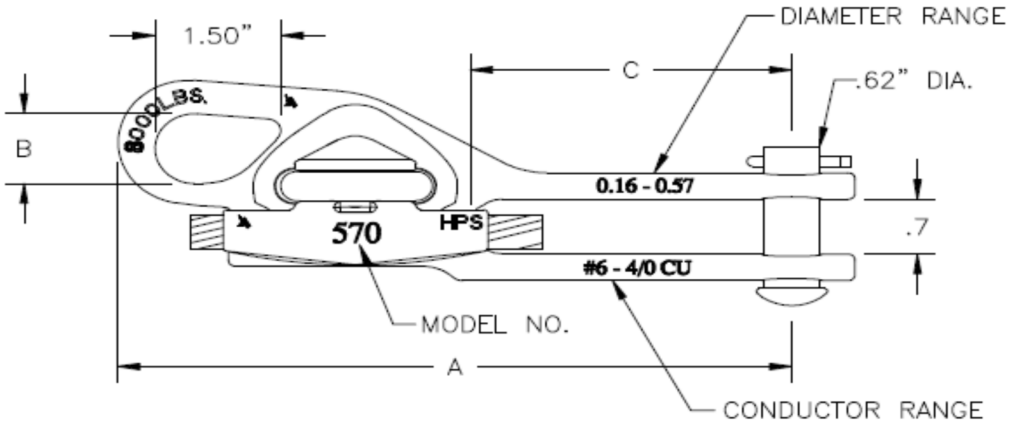
BRONZE

BSOD

DEADENDS
BOLTED STRAIGHT LINE SPRING-LOADED SIDE OPENING BRONZE

For distribution and light transmission construction with copper or Copperweld® conductor. Power loss, corrosion and heat rise are all reduced to a minimum due to the nonferrous construction

Material: **Body and Keeper** – Bronze Alloy 112
Hardware – Galvanized Steel
Sockets and Clevises – Ductile Iron, Galvanized
Cotter Pin and Spring Clip – Stainless Steel



Product Data & Conductor Size

CATALOG NUMBER	U-BOLTS		CLAMPING RANGE (IN)				ULTIMATE BODY STRENGTH (LBS)		DIMENSIONS (IN)		
			COPPER		INCHES (MM)						
	NO.	SIZE	MIN	MAX	MIN	MAX	BODY	SAG EYE	A	B	C
BSOD5701N	1	0.50	#6 (SOL)	4/0 (19 STR)	0.16 (4.06)	0.57 (11.68)	8000	8000	8.62	1	3.75

NOTES: (1) All bolted deadends are rated 40% of RBS - Partial tension per ANSI C119.4"
(2) For conductor sizes not shown in catalog, consult factory

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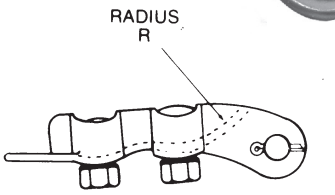
DEADENDS
BOLTED STRAIGHT LINE STRAIN CLAMP
BRONZE

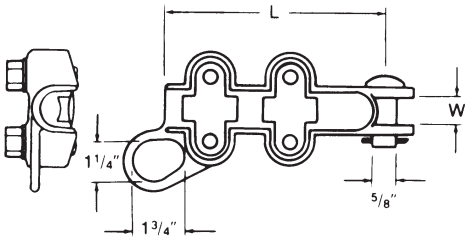
BRONZE
BSG

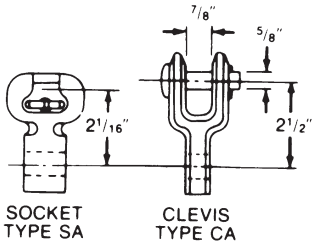
These compact strain clamps are ideal for pole type substations and other short span deadending requirements with copper or Copperweld® conductor.

Because of non-ferrous construction, corrosion and heat rise on heavy current secondary circuits are reduced to a minimum. The threads do not protrude and all surfaces are rounded for quick, efficient taping.

Material:
Body and Keeper – High Strength Aluminum Bronze Alloy
Hex Head Bolts and Lock Washers – Silicon Bronze
Sockets and Clevises – Ductile Iron, Galvanized
Clevis Pin – Galvanized Steel
Cotter Pin – #302 Stainless Steel







Product Data & Conductor Size

CATALOG NUMBER	FITTING TYPE	FITTING CAT. NO.	CLAMPING RANGE COPPER	CLAMPING RANGE INCHES (MM)	ULTIMATE BODY STRENGTH LBS. (kN)	HEX-HEAD BOLTS NO.	HEX-HEAD BOLTS SIZE INCHES (MM)	DIMENSIONS INCHES (MM) L	DIMENSIONS INCHES (MM) W	DIMENSIONS INCHES (MM) R	APPROX. WT. EACH LBS. (KG)
BSG050N	None	--	2/0 Sol.	.36-.875	5,500	4	1/2	6-1/2	11/16	4	3.5 (1.59)
BSG050S	Socket	SA04	To	(9.14-22.23)	(24.47)		(12.70)	(165.1)	(17.46)	(101.60)	4.8 (2.18)
BSG050C	Clevis	CA04	550 MCM								4.8 (2.18)
BSG100N	None	--	500	.81-1.25	7,500	4	1/2	7-1/2	11/16	6	4.7 (2.13)
BSG100S	Socket	SA04	To	(20.57-31.75)	(33.36)		(12.70)	(190.5)	(17.46)	(152.40)	6.0 (2.72)
BSG100C	Clevis	CA04	1000 MCM								6.3 (2.86)

NOTE: *(1) Recommended Torque on bolts: 1/2"—480 in. lbs.*
(2) All bolted deadends are rated 40% of RBS - Partial tension per ANSI C119.4"
(3) For conductor sizes not shown in catalog, consult factory

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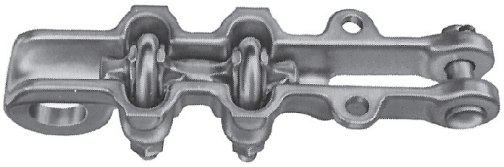
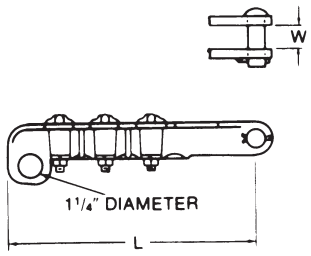
BRONZE
BSC

DEADENDS
BOLTED STRAIGHT LINE STRAIN CLAMP
BRONZE

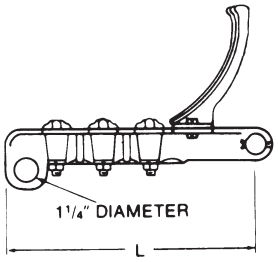


These clamps are recommended for copper or Copperweld® conductor. Type BSCG is supplied with a standoff guide to assure clearance between conductor and insulator disc when clamps are used as a through type deadend or strain.

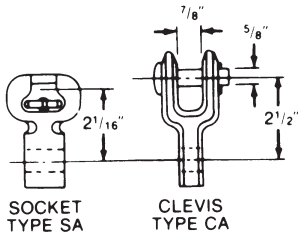
Material:
Body – High Strength Aluminum Bronze Alloy
Keeper and Guide – Electrical Bronze
Hardware – Galvanized Steel
Sockets and Clevises – Ductile Iron, Galvanized
Cotter Pin – #302 Stainless Steel



TYPE BSC
WITHOUT GUIDE



TYPE BSCG
WITH GUIDE



Product Data & Conductor Size

CATALOG NUMBER	FITTING		CLAMPING RANGE		ULTIMATE BODY STRENGTH LBS. (KN)	U-BOLTS		DIMENSIONS INCHES (MM)		APPROX. WT. EACH LBS. (KG)
	TYPE	CAT. NO.	COPPER	INCHES (MM)		NO.	SIZE INCHES (MM)	L	W	
BSC024N	None	--	#2 Sol. To 4/0 Str.	.258-.528 (6.55-13.41)	8,000 (35.59)	2	1/2 (12.70)	9-1/8 (231.78)	11/16 (17.46)	3.1 (1.41)
BSC024S	Socket	SA04								4.4 (2.00)
BSC024C	Clevis	CA04								4.4 (2.00)
BSC050N	None	--	4/0 Str. To 550 MCM	.52-.875 (13.21-22.23)	8,000 (35.59)	2	1/2 (12.70)	9-5/8 (244.48)	11/16 (17.46)	3.8 (1.72)
BSC050S	Socket	SA04								5.1 (2.31)
BSC050C	Clevis	CA04								5.1 (2.31)
BSC100N	None	--	500 To 1000 MCM	.81-1.25 (20.57-31.75)	10,000 (44.48)	3	1/2 (12.70)	13-1/8 (333.38)	13/16 (20.64)	6.9 (3.13)
BSC100S	Socket	SA04								8.2 (3.72)
BSC100C	Clevis	CA04								8.2 (3.72)

NOTES: *(1) Recommended Torque on U-bolts: 3/8"—240 ins. lbs., 1/2"—480 in. lbs.*
(2) To obtain silicon bronze hardware add suffix—"ED". Example, BSC024NED.
(3) All bolted deadends are rated 40% of RBS - Partial tension per ANSI C119.4"
(4) For conductor sizes not shown in catalog, consult factory

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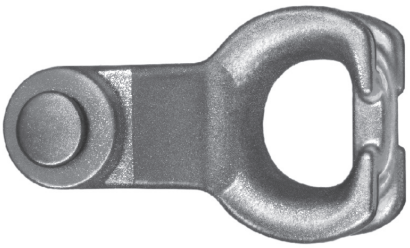
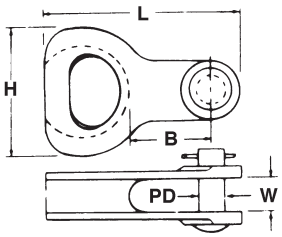
DUCTILE DEADEND THIMBLE TYPE DDT

DUCTILE IRON
DDT

Provides a convenient and efficient means for loop deadending of steel static wire and bare or insulated aluminum or copper phase wires. Magnetic induction heating will occur.

Material: **Body** – Ductile Iron, Galvanized
Clevis Pin – Galvanized Steel
Cotter Pin – #302 Stainless Steel





Product Data & Conductor Size

CATALOG NUMBER	CONDUCTOR RANGE INCHES (MM)	ULTIMATE BODY STRENGTH LBS. (kN)	DIMENSIONS INCHES (MM)					APPROX. WT. EACH LBS. (KG)
			L	B	W	H	PD	
DDT07	0-.875 (0-22.23)	40,000 (178)	5-3/8 (136.53)	2-5/16 (58.74)	7/8 (22.23)	3-1/4 (82.55)	3/4 (19)	2.5 (1.13)
DDT12*	0-1.0 (0-25.40)	60,000 (267)	7-13/16 (45.97)	3-3/4 (95.25)	1-5/16 (33.27)	3-3/4 (95.25)	1 (25)*	5.7 (2.5)

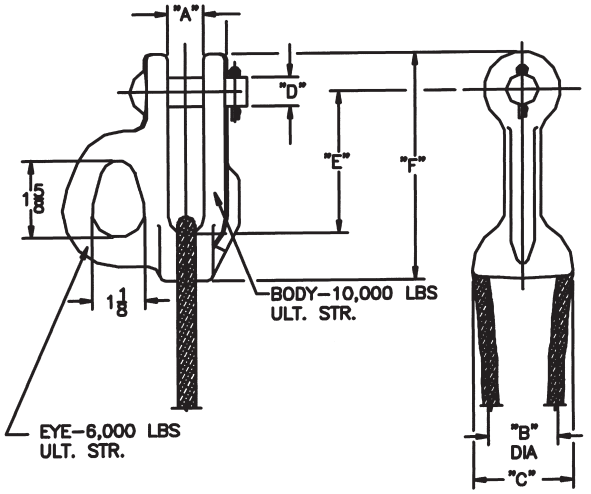
**Bolt, Nut & Cotter Pin are standard.*

DEADENDS
ALUMINUM DEADEND THIMBLE TYPE ADET

ALUMINUM
ADET

Provides a convenient and efficient means for loop deadending of steel static wire and bare or insulated aluminum or copper phase wires. Magnetic induction heating will occur.

Material: **Body** – Ductile Iron, Galvanized
Clevis Pin – Galvanized Steel
Cotter Pin – #302 Stainless Steel



Product Data & Conductor Size

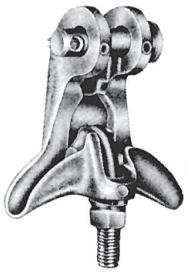
CATALOG NUMBER	CONDUCTOR RANGE INCHES (MM)		RATED STRENGTH LBS. (kN)		DIMENSIONS INCHES (MM)					
	ACSR	GUY WIRE	THIMBLE	EYE	A	B	C	D	E	F
ADET75	#6 – 336.4	3/16 – 5/16	10,000 (44.48)	6,000 (26.69)	0.75 (19)	1.5 (38.1)	2.12 (53.8)	0.63 (16)	3 (76.2)	4.81 (122.2)
ADET88	#6 – 477	3/16 – 3/8	12,000 (53.38)	7,000 (31.14)	0.88 (22.4)	1.5 (38.1)	2.12 (53.8)	0.63 (16)	3 (76.2)	4.81 (122.2)

ALUMINUM
AAC

SUSPENSION
ALUMINUM ANGLE CLAMP

Intended for angle construction with all aluminum, ACSR or aluminum alloy conductor.

Material: **Body and Keeper** – 356-T6 Aluminum Alloy
Hardware – Galvanized Steel
Cotter Pin – #302 Stainless Steel



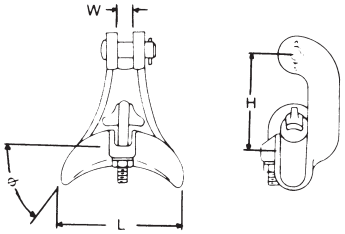
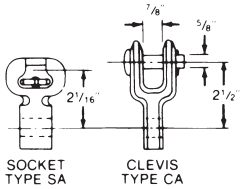


FIGURE 2



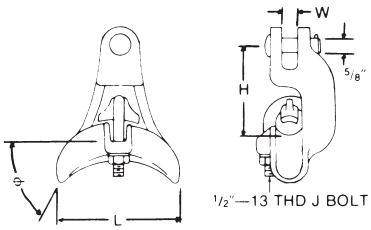


FIGURE 1

Ordering Information

CATALOG NUMBER	FIG. NO.	CLAMPING RANGE INCHES (MM)	ULTIMATE BODY STRENGTH LBS. (kN)	MAX. TAKE-OFF ANGLE	DIMENSIONS INCHES (MM)			APPROX. WT. EACH LBS. (KG)
				o	L	W	H	
AAC301	2	.198-.732 (5.03-18.59)	7,000 (31)	45°	4-1/4 (107.95)	11/16 (17.46)	2-7/8 (73.02)	1.25 (.57)
AAC302	1	.198-.732 (5.03-18.59)	7,000 (31)	45°	4-1/4 (107.95)	11/16 (17.46)	2-7/8 (73.02)	1.25 (.57)
AAC104N	1	.50-1.10 (12.70-27.94)	12,000 (53)	60°	5-1/4 (133.35)	11/16 (17.46)	4-1/8 (104.77)	2.3 (1.04)
AAC10490N	2	.50-1.10 (12.70-27.94)	12,000 (53)	60°	5-1/4 (133.35)	11/16 (17.46)	4-1/8 (104.77)	2.2 (1)

NOTES: (1) Sockets and clevises can be supplied by adding "S" or "C" to catalog number. Example, AAC10490S.
(2) Recommended torque on 1/2" J-bolts: 300 in.-lbs.

DEADENDS
BOLTED MIDSPAN CLAMPS AND DEADENDS
ALUMINUM

ALUMINUM
GM100A

Fargo Mid Span Clamps and Deadends may be used on open wire or triplex secondaries for single or multiple service connectors away from the pole. Cast, high strength aluminum provides corrosion resistance and conductor compatibility.

The Fargo GM104A is designed for neutral deadend connections. Service deadends may be attached through the side loops permitting installation at any angle. The long contact surfaces protect the neutral against corrosion and damage from the pull of the service. Fitted grooves are provided to protect covered phase wire when installed on triplex secondaries.

The Fargo GM1091A is easily installed by swiveling the keepers over the run conductor. Double clamping of the run provides parallel current paths. Side opening keepers permit easy insertion and quick connections. Either tap can be installed or removed without unclamping the run conductor and installation is made without disassembly.

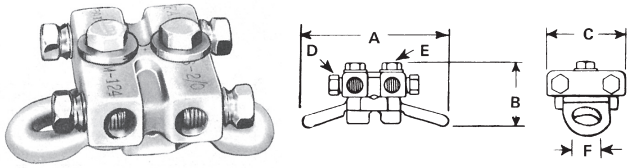
The Fargo GM124A combination connector and deadend provides both electrical and mechanical neutral connections for secondary service drops. Service deadends of either rigid or flexible bail types may be easily installed on the projecting hooks of the body of the clamp. The design of the hook retains the bail in position during vibration or shock loading of either the secondary neutral or the service.

The aluminum 4 tap connector block provides a compact terminal for electrically joining the neutrals of one through four services. Each service is an individual connection permitting convenient installation or removal of service.

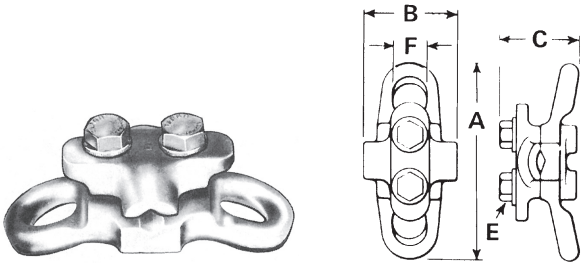
The Fargo GM125A utilizes the aluminum 4 tap connector block and an aluminum base or body with side loops for attachment of service deadends.The use of high strength aluminum washer head bolts permits ease of installation on either open wire or triplex secondary neutrals away from the poles.

Material: **Casting** – High Strength Alluminum Alloy
Hardware – Stainless Steel (GM1091A)
High Strength AL Alloy
(GM104, GM124, GM125)

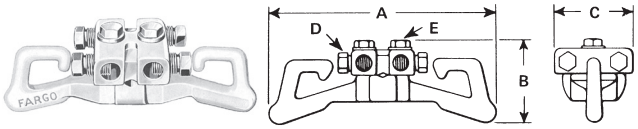
Note: Add suffix “L” to catalog number for inhibitor protection and individual packaging.



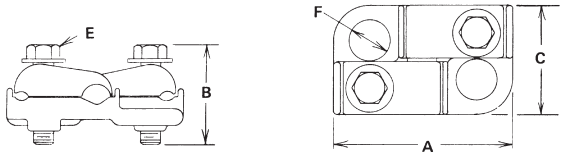
GM125A



GM104A



GM124A



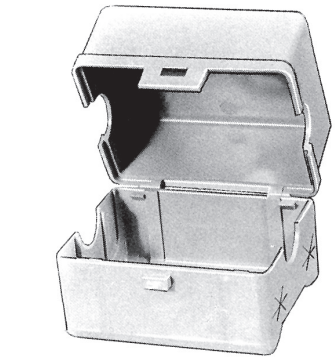
GM1091A

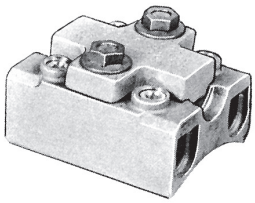
Product Data & Conductor Size

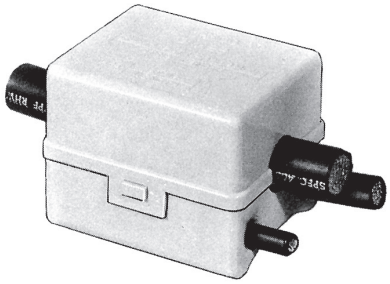
CATALOG NUMBER	CONDUCTOR RANGE, ACSR				DIMENSIONS INCHES (MM)					
	RUN		TAP							
	MAX.	MIN.	MAX.	MIN.	A	B	C	D	E	F
GM104A	336.4	4	—	—	4-1/8	2	2-1/8	—	3/8	5/8
GM1091A	4/0	2	1/0	6	3-3/8	1-7/8	2-1/16	—	3/8	5/8
GM124A	4/0	4	2/0	6	7	2-5/8	2-7/8	1/2	3/8	—
GM125A	4/0	4	2/0	6	4-1/8	2-1/4	2-7/8	1/2	3/8	5/8

IN-SPAN PHASE CONNECTOR AND HOUSING

ALUMINUM
GM128







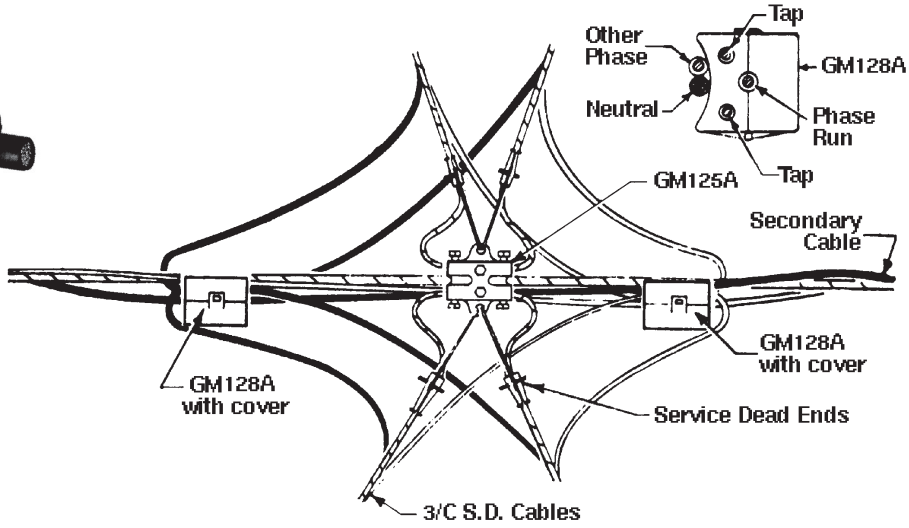
This in-span phase connector is designed for use on open wire or multiple cable secondaries to permit aesthetic readily accessible service connections.

The connector body is constructed of high strength aluminum for optimum corrosion resistance and light weight. The Fargo housing or case provides protective insulation from adjacent conductors and is formed for accessibility and ease of application. Secondary run and service tap openings are pre-cut for alignment and tap conductor insertion or removal.

The connector locks in position inside the case providing one piece for assembly.

For best performance, the connectors are supplied with Fargolene® inhibitor protected grooves and are individually packaged in plastic bags.

The Fargo GM128AKL makes an insulated phase connector system for up to four service taps and may be used with the Fargo neutral span clamps.



Product Data & Conductor Size

CATALOG NUMBER	RANGE		APPROX. OVERALL DIMENSIONS INCHES			WEIGHT LBS. (KG)
	RUN	TAP	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	
GM128AL (Connector Only)	2 Str. – 350 kcmil	4 Sol. – 3/0 Str.	3-5/16 (84.03)	2-5/8 (66.81)	2 (50.90)	1.04 (.47)
GM128AKL (Connector and Housing)	2 Str. – 350 kcmil	4 Sol. – 3/0 Str.	3-13/16 (97.03)	3-1/4 (82.71)	3 (76.35)	1.20 (.54)

DEADENDS
BOLTED IN-SPAN NEUTRAL TAPS
ALUMINUM

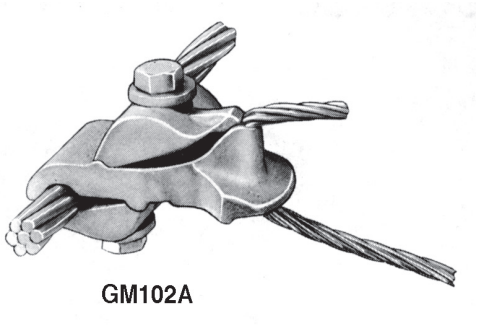
ALUMINUM
GM100

Fargo in-span taps offer a wide range of neutral connections on open wire or multiple cable secondaries.

- A wide angle bell mouth opening permits tap offs up to 45° in either direction from the center line of the clamp.
- Constructed of high strength aluminum alloy these clamps provide a minimum holding power of 1250 pounds.
- Long contoured contact surfaces protect the neutral from the pull of the service.
- Using less parts than conventional units, these taps are available for one, two or four service dead end connections.
-

Material: **Body Casting** – Aluminum Alloy
Hardware – Stainless Steel

Note: Add suffix "L" to catalog number for inhibitor protection and individual packs. Ex. – GM102AL



GM102A

Product Data & Conductor Size

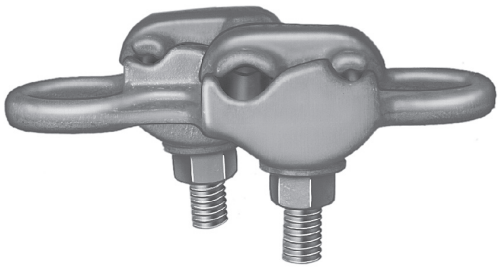
CATALOG NUMBER	RUN		TAP		NO. OF TAPS	APPROX. OVERALL DIMENSIONS INCHES		
	MAX.	MIN.	MAX.	MIN.		LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)
GM102A	4/0 ACSR	1/0 ACSR	2 ACSR	6 ACSR	1	3-3/8 (85.72)	1-1/2 (38.1)	2-3/4 (69.85)

ALUMINUM MID-SPAN CONNECTOR
TYPE MSNT

ALUMINUM
MSNT

For aluminum or ACSR triplex conductor. Has a double take-off loop. Bolts are peened to make nut captive.

Material: **Body** – Top Member-Aluminum Alloy
Bottom Member – Bronze Alloy-Tin Plated
Hardware – Galvanized Steel



Product Data & Conductor Size

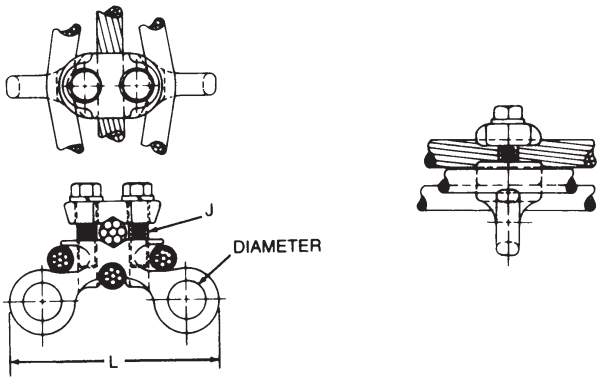
CATALOG NUMBER	CONDUCTOR RANGE (AWG)		DIMENSIONS INCHES (MM)			APPROX. WEIGHT LBS. (KG)
	NEUTRAL	PHASE	L	J	DIA.	
MSNT2	1/0-4/0 ACSR	#6-1/0 AAC OR ACSR	4-11/16 (119.09)	3/8 (9.52)	7/8 (22.22)	.64 (.29)

ALUMINUM MID-SPAN CONNECTOR TYPE MSE

ALUMINUM
MSE

For aluminum or ACSR triplex or quadruplex conductor.

Material: **Body** – Aluminum Alloy
Hardware – Plated Steel

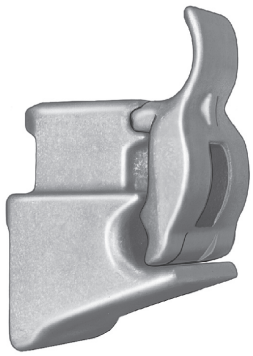


Product Data & Conductor Size

CATALOG NUMBER	CONDUCTOR RANGE (AWG OR MCM)		DIMENSIONS INCHES (MM)			APPROX. WEIGHT LBS. (KG)
	NEUTRAL	PHASE	L	J	DIA.	
MSE416981	#4-4/0 ACSR	#6-1/0 AAC OR ACSR	4-1/8 (104.78)	3/8 (9.52)	3/4 (19.05)	.46 (.21)

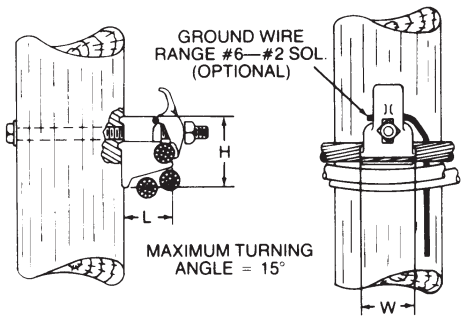
ALUMINUM SUPPORT BRACKET TYPE TTSB (TRIPLEX SUSPENSION)

ALUMINUM
TTSB



For aluminum or ACSR triplex conductor. Can be mounted to a flat surface or to a wood pole. 5/8-11T galvanized thru-bolt is not furnished.

Material: Aluminum Alloy

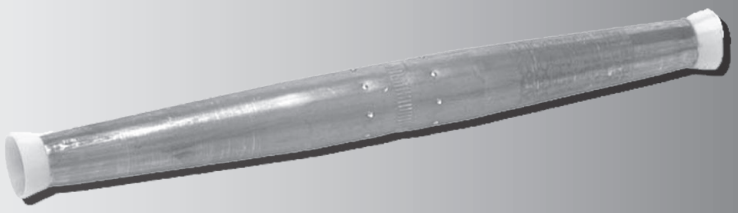


Product Data & Conductor Size

CATALOG NUMBER	CONDUCTOR RANGE (AWG OR MCM)	DIMENSIONS INCHES (MM)			APPROX. WEIGHT LBS. (KG)
		L	W	H	
TTSB416671	#2 ACSR-477 MCM (AAC)	2-5/16 (58.72)	2-3/8 (60.32)	3-5/16 (84.12)	.38 (.17)

DISTRIBUTION CONNECTORS

SECTION DB



SPLICES

Aluminum Automatic

Copper Automatic

Aluminum Compression

Copper Compression

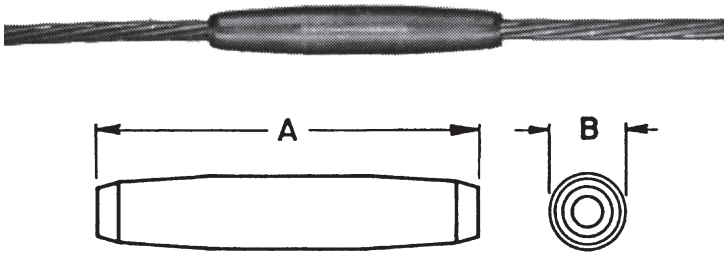
OVERHEAD LINE SPLICES
AUTOMATIC COPPER

COPPER
GL100

- Fastest method of splicing copper & copperweld conductor
- Inhibitor protected for optimum long term performance
- Individually bagged to seal out dirt before use

*RBS = Rated Breaking Strength

Material: **Shell** – Drawn Copper Tube
Jaw – Bronze Alloy



Product Data & Conductor Size

CATALOG NUMBER	CONDUCTOR RANGE			APPROXIMATE CONDUCTOR O.D.		DIMENSIONS INCHES (MM)	
	COPPER						
	SOLID ASTM-B258	STRAND ASTM-B8	COPPERWELD STRAND	MIN/MAX INCHES	MIN/MAX MM	A	B
GL110	8	–	–	.12-.13	3.1-3.3	3.4 (86)	.50 (13)
GL111+	6	–	3 #12	.16-.17	4.0-4.4	3.4 (86)	.50 (13)
GL112+	4	–	8A	.19-.20	4.9-5.2	3.5 (89)	.56 (14)
GL113	3	4 (7)	6A	.22-.23	5.7-5.9	3.5 (89)	.56 (14)
GL114	2	3 (7), 4 (3)	5A	.25-.26	6.3-6.6	4.4 (110)	.75 (19)
GL1140	2 or 3	3 (7), 4 (7)	–	.22-.26	5.7-6.6	6.5 (160)	.75 (19)
GL115+	1	2 (7)	4A	.28-.29	7.2-7.4	4.4 (110)	.75 (19)
GL116	1/0	1 (7), 2 (3)	3A	.32-.33	8.1-8.3	4.4 (110)	.75 (19)
GL117+	2/0	1/0 (7), 1 (3)	2A	.36-.37	9.1-9.3	5.5 (140)	.94 (24)
GL118+	3/0	2/0 (7)	–	.40-.41	10.2-10.5	5.5 (140)	.94 (24)
GL119+	4/0	3/0 (7)	–	.45-.46	11.5-11.8	6.9 (180)	1.2 (30)
GL120+	–	4/0 (7,19)	–	.52-.53	13.2-13.4	6.9 (180)	1.2 (30)
GL121	–	250 (19,37)	–	.57-.58	14.4-14.7	6.9 (180)	1.2 (30)
GL123	–	300 (19,37)	–	.62-.63	15.8-16.1	8.6 (220)	1.5 (38)
GL125	–	350 (19)	–	.67-.68	17.0-17.2	8.6 (220)	1.5 (38)
GL127	–	400 (19,37)	–	.71-.73	18.1-18.5	8.6 (220)	1.5 (38)
GL128	–	450 (37)	–	.76-.77	19.4-19.6	8.6 (220)	1.5 (38)
GL130	–	500 (19,37)	–	.80-.81	20.4-20.7	8.6 (220)	1.5 (38)

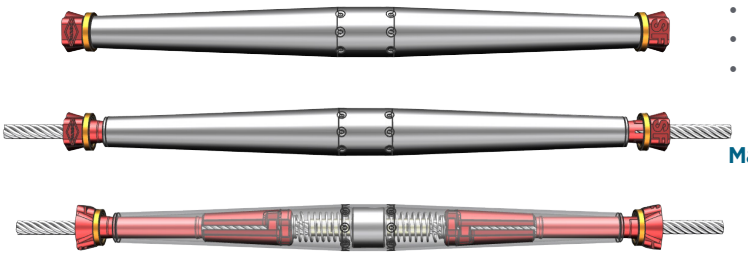
+RUS Listed

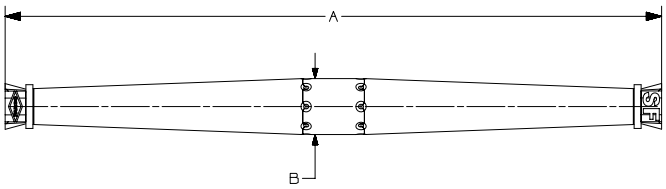
Splices for Metric Conductor

CATALOG NUMBER	CONDUCTOR	APPROXIMATE CONDUCTOR O.D.		DIMENSIONS INCHES (MM)	
		MIN/MAX INCHES	MIN/MAX MM	A	B
GL110M	6 mm^2	.10-.14	2.6-3.5	4.20 (107)	.51 (13)
GL111M	10 mm^2	.14-.17	3.4-4.3	4.20 (107)	.51 (13)
GL112M	16 mm^2 Sol.	.17-.20	4.2-5.2	4.36 (111)	.55 (14)
GL113M	16 mm^2 Str.	.20-.22	5.0-5.8	4.36 (111)	.55 (14)
GL114M	25 mm^2	.22-.26	5.8-6.6	5.46 (139)	.71 (18)
GL115M	35 mm^2	.25-.30	6.5-7.6	5.46 (139)	.71 (18)
GL117M	50 mm^2	.31-.37	7.9-9.4	6.48 (165)	.90 (23)
GL118M	70 mm^2	.37-.43	9.4-10.9	6.48 (165)	.90 (23)
GL119M	95 mm^2	.44-.50	11.3-12.6	7.98 (203)	1.22 (31)
GL120M	120 mm^2	.50-.56	12.6-14.2	7.98 (203)	1.22 (31)

OVERHEAD LINE SPLICES
SUREFIT™ AUTOMATIC ALUMINUM

ALUMINUM
GLSF400





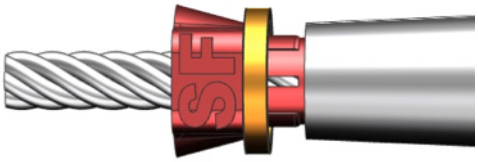
- ANSI C119.4, full tension, Class A connector (95% of conductor breaking strength unless otherwise noted)
- Color coded funnel guides for easy identification
- Funnel guides deploy after full insertion
- Factory inhibitor protected
- Fastest method of splicing aluminum, aluminum alloy, and ACSR conductor

Material: **Shell** – High Strength Aluminum Alloy
Jaws – Aluminum Alloy
Internal Components – Galvanized Steel and Thermoplastic

Product Data & Conductor Size

CATALOG NUMBER	CONDUCTOR SIZE			APPROXIMATE CONDUCTOR O.D.		COLOR CODE	DIMENSIONS INCHES (MM)	
	ACSR ASTM-B232	AAAC ASTM-B399	AAC ASTM-B231	MIN/MAX. INCHES	MIN./MAX. MM		A	B
GLSF4042A	4 - 2	4 - 2	4 - 2	.220-.320	5.59-8.13	Red-Orange	12 (305)	1.0 (25)
GLSF4076A	1/0 - 2/0	1/0 - 2/0	1/0 - 2/0	.355-.470	9.02-11.94	Yellow-Gray	18 (460)	1.4 (36)
GLSF4098	3/0 - 4/0	3/0 - 4/0	3/0 - 4/0	.450-.595	11.43-15.11	Pink-Black	22 (560)	1.7 (43)
GLSF402A	#2	#2	#2	.225 - .250	5.72 - 6.35	Orange	10	0.09
GLSF406A	1/0	1/0	1/0	.355 - .400	9.03 - 10.18	Yellow	13	1.1
GLSF410	266.8 (18/1)	312.8	*336.4	.603-.666	15.32-16.92	Brown	19 (480)	1.7 (43)
GLSF411	336.4 (18/1)	394.5	*397.5, **336.4	.659-.724	16.74-18.42	Green	20 (510)	1.8 (46)
GLSF412	397.5 (18/1)	465.4	*477	.720-.795	18.34-20.19	Blue	22 (560)	2.0 (51)
GLSF413	477 (18/1)	559.5	*556.5, 500	.780-.858	19.81-21.79	White	24 (610)	2.1 (54)
GLSF414	556.5 (18/1) - 795 (36/1)	652.4, 740.8	600 (37 str), 795 (61 str)	.879 - 1.041	22.33 - 26.44	26.76	2.5	Natural

**Includes compact conductor of same size - ASTM-B400*
*** Round only*



Released Funnel Guide

Fully Seated Funnel Guide

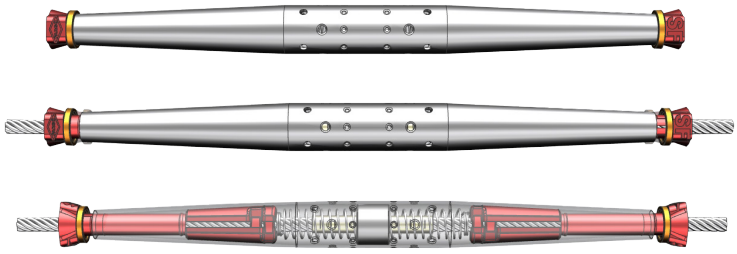
OVERHEAD LINE SPLICES
SUREFIT™ AUTOMATIC - CORROSIVE ENVIRONMENT ALUMINUM

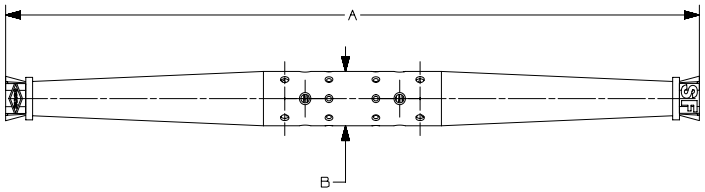
ALUMINUM
GLSF400 KR

DB 3

- Designed SPECIFICALLY for high corrosive/problem environments
- Extensively tested, including Fault Current & Salt Spray.
- ANSI C119.4, full tension, Class A connector (95% of conductor breaking strength unless otherwise noted)
- Sequence Tested: Salt Fog per ASTM G85, Current Cycle per ANSI C119.4, and Fault Current per IEEE837
- Color coded end funnel guides for easy identification
- Funnel guides deploy after full insertion
- Fastest method of splicing aluminum, aluminum alloy, and ACSR conductor
- Special inhibitor blend for corrosive environments
- Stainless steel springs
- Stainless steel or plastic pilot cups
- Holes in shell & center stop for drainage & evaporation

Material: **Shell** – High Strength Aluminum Alloy
Jaws – Aluminum Alloy
Internal Components – Stainless Steel and Thermoplastic

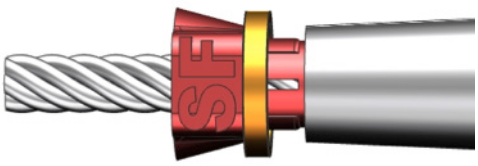




Product Data & Conductor Size

CATALOG NUMBER	CONDUCTOR SIZE			APPROXIMATE CONDUCTOR O.D.		COLOR CODE	DIMENSIONS INCHES (MM)	
	ACSR ASTM-B232	AAAC ASTM-B399	AAC ASTM-B231	MIN/MAX. INCHES	MIN./MAX. MM		A	B
GLSF4042AKR	4 - 2	4 - 2	4 - 2	.220-.320	5.59-8.13	Red-Orange	12 (305)	1.0 (25)
GLSF4076AKR	1/0 - 2/0	1/0 - 2/0	1/0 - 2/0	.355-.470	9.02-11.94	Yellow-Gray	18 (460)	1.4 (36)
GLSF4098KR	3/0 - 4/0	3/0 - 4/0	3/0 - 4/0	.450-.595	11.43-15.11	Pink-Black	22 (560)	1.7 (43)
GLSF402AKR	#2	#2	#2	.225 - .250	5.72 - 6.35	Orange	10	0.09
GLSF406AKR	1/0	1/0	1/0	.355 - .400	9.03 - 10.18	Yellow	13	1.1
GLSF410KR	266.8 (18/1)	312.8	*336.4	.603-.666	15.32-16.92	Brown	19 (480)	1.7 (43)
GLSF411KR	336.4 (18/1)	394.5	*397.5, **336.4	.659-.724	16.74-18.42	Green	20 (510)	1.8 (46)
GLSF412KR	397.5 (18/1)	465.4	*477	.720-.795	18.34-20.19	Blue	22 (560)	2.0 (51)
GLSF413KR	477 (18/1)	559.5	*556.5, 500	.780-.858	19.81-21.79	White	24 (610)	2.1 (54)
GLSF414KR	556.5 (18/1) - 795 (36/1)	652.4, 740.8	600 (37 str), 795 (61 str)	.879 - 1.041	22.33 - 26.44	26.76	2.5	Natural

**Includes compact conductor of same size - ASTM-B400*
Note: For conductors other than those listed, consult factory.



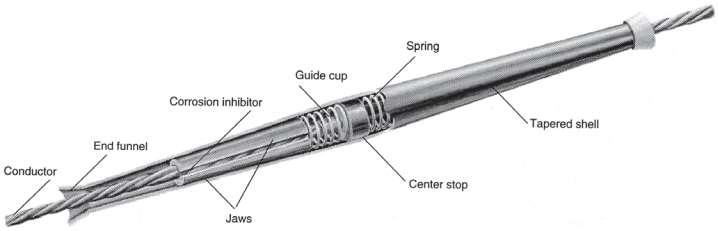
Released Funnel Guide

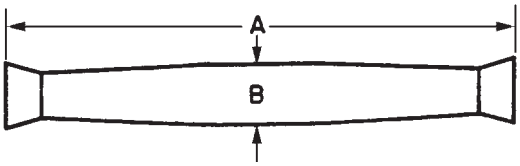
Fully Seated Funnel Guide

OVERHEAD LINE SPLICES
AUTOMATIC ALUMINUM

ALUMINUM
GL400

DB 4





- ANSI C119.4, Class 1, full tension connector (95% of conductor breaking strength unless otherwise noted)
- ANSI C119.4, full tension, Class A connector (95% of conductor breaking strength unless otherwise noted)
- Color coded end funnel guides for easy identification
- Factory inhibitor protected
- Fastest method of splicing aluminum, aluminum alloy and ACSR conductor

Material: **Shell** – High Strength Aluminum Alloy
Jaws – Aluminum Alloy

Product Data & Conductor Size

CATALOG NUMBER	CONDUCTOR SIZE			APPROXIMATE CONDUCTOR O.D.		COLOR CODE	DIMENSIONS INCHES (MM)	
	ACSR ASTM-B232	AAAC ASTM-B399	AAC ASTM-B231	MIN/MAX. INCHES	MIN./MAX. MM		A	B
GL401	6 - 4	6 - 4	6 - 4	.184-.263	4.68-6.70	Blue	14 (360)	1.0 (25)
GL402A	4	4	4	.225-.250	5.72-6.35	Orange	9 (230)	0.9 (23)
GL404A	2	2	2	.280-.320	7.11-8.13	Red	12 (305)	1.0 (25)
GL4042A	4 - 2	4 - 2	4 - 2	.220-.320	5.59-8.13	Red- Orange	12 (305)	1.0 (25)
GL406A	1/0	1/0	1/0	.355-.400	9.02-10.16	Yellow	12 (305)	1.1 (28)
GL4076A	1/0-2/0	1/0-2/0	1/0-2/0	.355-.470	9.02-11.94	Yellow-Gray	18 (460)	1.4 (36)
GL407	2/0	2/0	2/0	.400-.470	10.16-11.94	Gray	18 (460)	1.4 (36)
GL408	3/0	3/0	3/0	.450-.530	11.43-13.46	Black	20 (510)	1.6 (41)
GL4098	3/0-4/0	3/0-4/0	3/0-4/0	.450-.595	11.43-15.11	Pink-Black	22 (560)	1.7 (43)
GL409A	4/0	4/0	4/0	.505-.595	12.83-15.11	Pink	17 (430)	1.6 (41)
GL1205A	–	–	*4/0-266.8	.518-.595	13.16-15.11	Natural	9 (230)	1.2 (31)

**Includes compact conductor of same size - ASTM-B400*
Note: For conductors other than those listed, consult factory.

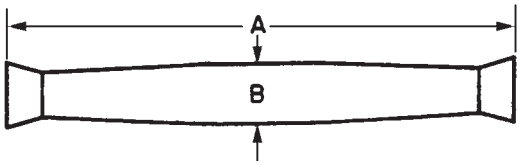
OVERHEAD LINE SPLICES AUTOMATIC ALUMINUM (MULTIPLE LAYER STRAND CONDUCTORS)

ALUMINUM
GL400

- Automatic for larger multiple layer stranded conductor used in primary distribution and transmission
- ANSI C119.4, full tension, Class A connector (95% of conductor breaking strength unless otherwise noted)
- Color coded end funnel guides for easy identification
- Factory inhibitor protected
- Fastest method of splicing aluminum, aluminum alloy and ACSR conductor

Material: **Shell** – Seamless High Strength Aluminum Alloy
Jaws – High Strength Aluminum Alloy

Note: For conductors other than those listed, consult factory.



Product Data & Conductor Size

MULTIPLE LAYER STRAND CONDUCTORS-KCMIL SIZES

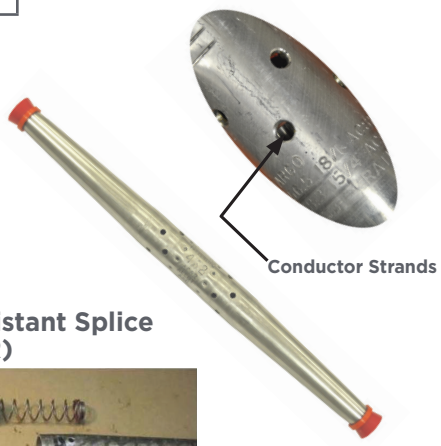
CATALOG NUMBER	CONDUCTOR SIZE			APPROXIMATE CONDUCTOR O.D.		COLOR CODE	DIMENSIONS INCHES (MM)	
	ACSR ASTM-B232	AAAC ASTM-B399	AAC ASTM-B231	MIN/MAX. INCHES	MIN./MAX. MM		A	B
GL410	266.8 (18/1)	312.8	*336.4	.603-.666	15.32-16.92	Brown	19 (480)	1.7 (43)
GL411	336.4 (18/1)	394.5	*397.5,**336.4	.659-.724	16.74-18.39	Green	20 (510)	1.8 (46)
GL412	397.5 (18/1)	465.4	*477	.720-.795	18.29-20.19	Blue	22 (560)	2.0 (51)
GL413	477 (18/1)	559.5	*556.5, 500	.780-.858	19.81-21.79	White	24 (610)	2.1 (54)
GLT1316A	266.8 (26/7)	–	–	–	–	Natural	36 (916)	2.2 (56)
GLT1317B	336.4 (26/7)	–	–	–	–	Green	22 (560)	2.0 (51)
GLT1319A	477 (26/7)	–	–	–	–	White	36 (916)	2.2 (56)
GL1333A+	556.5 (18/1)	Consult Fargo	636	.840-.920	21.34-23.37	Natural	15 (380)	2.0 (51)
GL1351A+	556.5 (26/7)	Consult Fargo	652.8	.927-.940	23.55-23.88	Natural	16 (410)	2.0 (51)
GL1355A+	Consult Fargo	Consult Fargo	700, 715	.940-.976	23.88-24.80	Natural	16 (410)	2.0 (51)
GL1385A+	Consult Fargo	Consult Fargo	795	.996-1.031	25.30-26.19	Natural	16 (410)	2.0 (51)
GL1441A+	Consult Fargo	Consult Fargo	954	1.100-1.140	27.94-28.96	Red	16 (410)	2.0 (51)

**Includes compact conductor of same size - ASTM-B400*
+Maximum design rating 10,000 lb./44.5 kN
***Round only*

OVERHEAD LINE SPLICES
AUTOMATIC - CORROSIVE ENVIRONMENT
ALUMINUM

ALUMINUM
GL*KR

DB 6

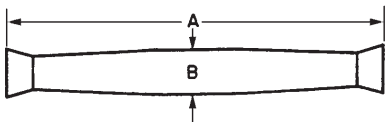


Corrosion Resistant Splice (KR)

After 2000 hours of Salt Fog, 1000 hours of Heat Cycle, and Three Rounds of Fault Current Testing

- Designed SPECIFICALLY for high corrosive/problem environments
- Extensively tested, including Fault Current & Salt Spray.
- ANSI C119.4, Class 1, full tension connector (95% of conductor breaking strength unless otherwise noted)
- ANSI C119.4 Class A, temperature rated connector
- Sequence Tested: Salt Fog per ASTM G85, Current Cycle per ANSI C119.4, and Fault Current per IEEE837
- Color coded end funnel guides for easy identification
- Fastest method of splicing aluminum, aluminum alloy, and ACSR conductor
- Special inhibitor blend for corrosive environments
- Stainless springs
- Stainless or plastic pilot cups
- Holes in shell & center stop for drainage & evaporation
- Positive conductor insertion, look in the holes

Material: **Shell** – Seamless High Strength Aluminum Alloy
Jaws – High Strength Aluminum Alloy
Internal Components – Stainless Steel or Plastic



Product Data & Conductor Size

CATALOG NUMBER	CONDUCTOR SIZE††			APPROXIMATE CONDUCTOR O.D. INCHES (MM)		COLOR CODE	DIMENSIONS, INCHES (MM)	
	ACSR	AAAC	AAC	MIN	MAX		A	B
GL402AKR	#4	#4	#4	0.225 (5.72)	0.250 (6.35)	Orange	9 (230)	0.9 (23)
GL404AKR	#2	#2	#2	0.280 (7.11)	0.320 (8.13)	Red	12 (305)	1.0 (25)
GL4042AKR	#4 - #2	#4 - #2	#4 - #2	0.220 (5.59)	0.320 (8.13)	Red-Orange	12.8 (325)	1.0 (25)
GL406AKR	1/0	1/0	1/0	0.355 (9.02)	0.400 (10.16)	Yellow	12 (305)	1.1 (28)
GL4076AKR	1/0 - 2/0	1/0 - 2/0	1/0 - 2/0	0.355 (9.02)	0.470 (11.94)	Yellow-Gray	18 (460)	1.4 (36)
GL407KR	2/0	2/0	2/0	0.400 (10.16)	0.470 (11.94)	Gray	18 (460)	1.4 (36)
GL408KR	3/0	3/0	3/0	0.450 (11.43)	0.530 (13.46)	Black	20 (510)	1.6 (41)
GL409AKR	4/0	4/0	4/0	0.505 (12.83)	0.595 (15.11)	Pink	17 (430)	1.6 (41)
GL410KR	266.8 (18/1)	312.8	336.4	0.603 (15.32)	0.666 (16.92)	Brown	19 (480)	1.7 (43)
GL411KR	336.4 (18/1)	394.5	397.5, 336.4**	0.659 (16.74)	0.724 (18.39)	Green	20 (510)	1.8 (46)
GL412KR	397.5 (18/1)	465.4	477	0.720 (18.29)	0.795 (20.19)	Blue	22 (560)	2.0 (51)
GL413KR	477 (18/1)	559.5	556.5, 500	0.780 (19.81)	0.858 (21.79)	White	24 (610)	2.1 (54)
GL1333AKR+	556.5 (18/1)	Consult Factory	636	0.840 (21.34)	0.920 (23.37)	Natural	16.5 (420)	2.0 (51)
GL1351AKR+	556.5 (27/7), 636 (18/1)	Consult Factory	652.8	0.927 (23.55)	0.940 (23.88)	Natural	16 (410)	2.0 (51)
GL1355AKR+	Consult Factory	Consult Factory	700, 715	0.940 (23.88)	0.976 (24.79)	Natural	16 (410)	2.0 (51)
GL1385AKR+	Consult Factory	Consult Factory	795	0.996 (25.30)	1.031 (26.19)	Natural	16 (410)	2.0 (51)
GL1441AKR+	795 (26/7)	Consult Factory	954	1.100 (27.94)	1.140 (28.96)	Red	16 (410)	2.0 (51)

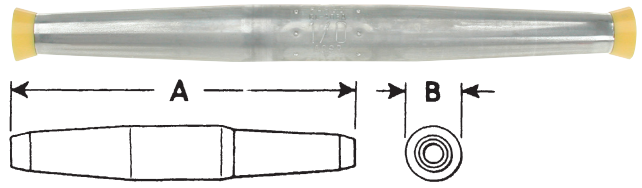
†† *Includes compact conductor of same size.*
\+ *Maximum design rating 10,000 lbs (44.5kN)*
** *Round Only*
Note: For conductor other than those listed, consult factory.

OVERHEAD LINE SPLICES
AUTOMATIC REDUCING

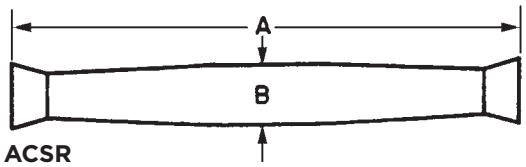
REDUCING
GL

- Allows easy splicing from one size conductor to another size conductor
- Allows utilities the option of not stocking old conductor that isn't used anymore
- Splice provides full strength of the weaker of the two conductors and a resistance lower than the equivalent conductor
- Same design philosophy and material as used in the copper and aluminum automatic splices.

Material: **Copper**
Shell – Drawn Copper Tube
Jaws – Bronze Alloy
Aluminum
Shell – Aluminum Alloy
Jaws – Aluminum Alloy



Copper



ACSR

Product Data & Conductor Size

COPPER REDUCING SPLICES

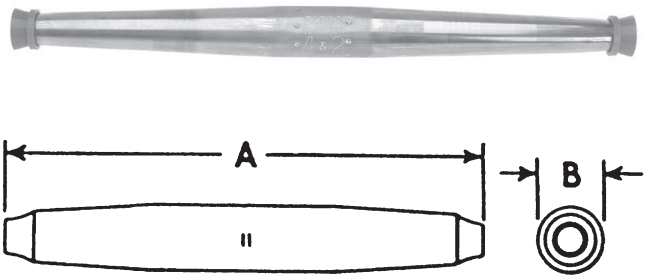
CATALOG NUMBER	CONDUCTOR SIZE				DIMENSIONS INCHES (MM)	
	LARGE END		SMALL END			
	SOLID	STRAND	SOLID	STRAND	A	B
GL150	4	-	6	-	4 (100)	.56 (14)
GL151	3	4	6	-	4 (100)	.56 (14)
GL152	3	4	4	-	4 (100)	.56 (14)
GL153	2	3	6	-	5 (130)	.75 (19)
GL154	2	3	4	-	5 (130)	.75 (19)
GL155	1	2	6	-	5 (130)	.75 (19)
GL156	1	2	4	-	5 (130)	.75 (19)
GL157	1	2	3	4	5 (130)	.75 (19)
GL158	1	2	2	3	5 (130)	.75 (19)
GL159	1/0	1	3	4	5 (130)	.75 (19)
GL160	1/0	1	2	3	5 (130)	.75 (19)
GL161	1/0	1	1	2	5 (130)	.75 (19)
GL162	2/0	1/0	3	4	6 (150)	.94 (24)
GL163	2/0	1/0	2	3	6 (150)	.94 (24)
GL164	2/0	1/0	1	2	6 (150)	.94 (24)
GL165	2/0	1/0	4	-	6 (150)	.94 (24)
GL166	2/0	1/0	1/0	1	6 (150)	.94 (24)
GL167	3/0	2/0	3	4	6 (150)	.94 (24)
GL168	3/0	2/0	2	3	6 (150)	.94 (24)
GL169	3/0	2/0	1	2	6 (150)	.94 (24)
GL170	3/0	2/0	1/0	1	6 (150)	.94 (24)
GL171	3/0	2/0	2/0	1/0	6 (150)	.94 (24)
GL172	4/0	3/0	3/0	2/0	7.4 (190)	1.3 (33)
GL173	-	4/0	2/0	1/0	7.4 (190)	1.3 (33)
GL174	-	4/0	3/0	2/0	7.4 (190)	1.3 (33)
GL175	-	4/0	4/0	3/0	7.4 (190)	1.3 (33)
GL176	-	250	-	4/0	7.4 (190)	1.3 (33)

ACSR REDUCING SPLICES

GL406A4042A	1/0	4 - 2	12.1 (307)	1.2 (30)
GL412411	397.5	336.4	21 (530)	2.0 (51)

OVERHEAD LINE SPLICES AUTOMATIC BI-METAL (COPPER TO ALUMINUM)

BI-METAL
GL



- Provide a permanent electrical and mechanical connection of copper to ACSR, aluminum or aluminum alloy conductors
- Factory loaded inhibitor to ensure long term corrosion free performance
- Individually bagged to seal out dirt before use

Material: **Shell** – Aluminum Alloy
Jaws on side – Aluminum Alloy
Jaws on copper side – Plated Bronze Alloy

Product Data & Conductor Size

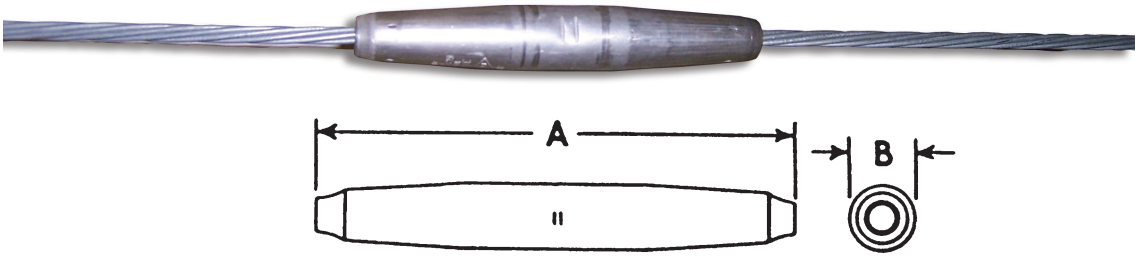
CATALOG NUMBER	CONDUCTOR RANGE					DIMENSIONS INCHES (MM)	
	COPPER END		ALUMINUM END				
	SOLID	STRAND	ACSR	AAAC	AAC	A	B
GL113195A	3	4	-	2/0 - 3/0	3/0 - 4/0	8.5 (220)	1.3 (33)
GL114185A	2	3	-	1/0	1/0 - 2/0	8.5 (220)	1.3 (33)
GL114195A	2	3	-	2/0 - 3/0	3/0 - 4/0	8.5 (220)	1.3 (33)
GL117018A	2/0	1/0	-	1/0	2/0	8.5 (220)	1.3 (33)
GL118195A	3/0	2/0	-	2/0 - 3/0	3/0 - 4/0	8.5 (220)	1.3 (33)
GL4042A11	6	-	2 - 4	2 - 4	2 - 4	9.4 (239)	1.0 (25)
GL4042A12	4	6	2 - 4	2 - 4	2 - 4	9.4 (239)	1.0 (25)
GL4042A13	3	4	2 - 4	2 - 4	2 - 4	9.4 (239)	1.0 (25)
GL40615	1	2	1/0	1/0	1/0	13 (331)	1.3 (33)
GL41118	3/0	2/0	336.4 (18/1)	394.5	397.5	15.5 (394)	1.8 (46)
GL41223	-	300	397.5 (18/1)	465.4	477	18 (450)	2.0 (51)

SPLICES
AUTOMATIC GUY WIRE

ALUMINUM
GLS

- For splicing applications with overhead or support guy wires
- Fargo GLS500x series automatic splices are designed for use on High Strength (HS), Common (Com), Siemens-Martin (SM), Utilities (Util) and Bell System strand
- Fargo GLS504x series automatic splices are designed for use on all guy wire types listed above, plus Extra High Strength (EHS) and Alumoweld (AW)
- All GLS automatic splices will hold a minimum of 90% of the guy wire rated breaking strength

Material: **Shell** – High Strength Aluminum Alloy
Jaws – Plated Steel



Product Data & Conductor Size

CATALOG NUMBER	PRIMARY STRAND APPLICATION	TO BE USED WITH:			RANGE (IN.)	RANGE (MM)	DIMENSIONS INCHES (MM)	
		EHS	AW/ AWAC	HS, COM, S-M, UTIL, BELL			A	B
GLS5000	1/4" HS, Com, S-M, Util, Bell			+	0.240 - 0.253	6.11 - 6.44	6.4 (163)	0.9 (23)
GLS5001	5/16" HS, Com, S-M, Util, Bell			+	0.310 - 0.335	7.89 - 8.53	7.4 (189)	1.1 (28)
GLS5002	3/8" HS, Com, S-M, Util, Bell			+	0.360 - 0.405	9.16 - 10.31	9.00 (229)	1.3 (33)
GLS5039	3/16 STR EHS, AW	+	+	+	0.145 - .215	3.86 - 5.45	8.6 (219)	1.13 (29)
GLS5040	1/4" EHS 7#12 (6M) AW	+	+	+	0.215 - 0.270	5.46 - 6.86	8.3 (211)	1.13 (28)
GLS5041	5/16" EHS 7#10 (10M), 7#11 (8M) AW	+	+	+	0.270 - 0.315	6.86 - 8.00	9.4 (239)	1.22 (31)
GLS5042	3/8" EHS 3#5, 7#8, 7#9, 12.5M, 14M, 16M AW #4-2/5, #2-3/4, #1-5/2 AWAC	+	+	+	0.325 - 0.392	8.26 - 9.96	10.0 (260)	1.48 (38)
GLS5043	7/16" EHS 7#7 (20M), 18M AW #2-2/5, #1-3/4, #1/0-5/2 AWAC	+	+	+	0.392 - 0.458	9.96 - 11.63	11.0 (280)	1.60 (41)
GLS5044	1/2" EHS, 25M AW, #1-2/5, #1/0-3/4, #2/0-5/2 AWAC #2/0-4/3 AWAC	+	+	+	0.455 - 0.520	11.56 - 13.21	10.8 (273)	1.70 (43)

ALUMINUM

GLS Reducing

- For splicing applications with overhead or support wires.
- Fargo GLS508x series automatic splices are designed for use on High Strength (HS), Common (Com), Siemens-Martin (SM), Utilities (Util), and Bell System Strand (Bell).
- All GLS automatic splices will hold a minimum of 90% of the guy wire rated breaking strength.

Material: **Shell** – High Strength Aluminum Alloy
Jaws – Plated Steel

Product Data & Conductor Size

CATALOG NUMBER	SMALL END STRAND APPLICATION	LARGE END STRAND APPLICATION	TO BE USED WITH: EHS	TO BE USED WITH: AW/ AWAC	TO BE USED WITH: HS, COM, S-M, UTIL, BELL	SMALL END RANGE IN. (MM)	LARGE END RANGE IN. (MM)
GLS5086	3/16" HS, Com, S-M, Util, Bell	1/4" HS, Com, S-M, Util, Bell	+	+	+	0.145-0.215 (3.68-5.46)	0.215-0.270 (5.46-6.86)
GLS5087	1/4" EHS 7#12, (6M) AW	5/16" EHS 7#10, (10M), 7#11, (8M) AW	+	+	+	0.215-0.270 (5.46-6.86)	0.270-0.315 (6.86-8.00)
GLS5088	5/16" EHS 7#10, (10M), 7#11, (8M) AW	3/8" EHS 3#5, 7#8, 7#9, 12.5M, 14M, 16M AW #4-2/5, #2-3/4, #1-5/2 AWAC	+	+	+	0.270-0.315 (6.86-800)	0.325-0.392 (8.26-9.96)
GLS5089	3/8" EHS 3#5, 7#8, 7#9, 12.5M, 14M, 16M AW #4-2/5, #2-3/4, #1-5/2 AWAC	7/16" EHS 7#7 (20M), 18M AW #2-2/5, #1-3/4, #1/0-5/2 AWAC	+	+	+	0.325-0.392 (8.26-9.96)	0.392-0.458 (.96-11.63)

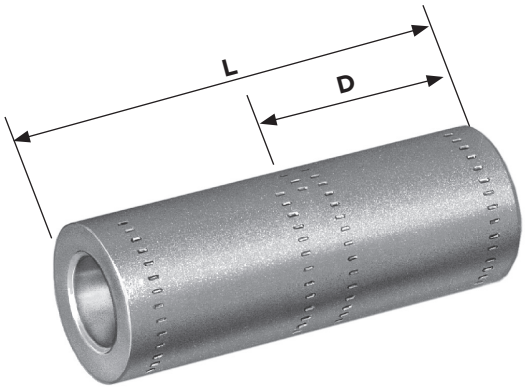
OVERHEAD LINE SPLICES: AL AND AL-CU COMPRESSION
VERSATILE™ SPLICE MINIMUM TENSION

ALUMINUM
VACS

- ANSI C119.4, minimum tension, Class 3 connector (5% of conductor breaking strength)
- For use with either VERSA-CRIMP® or conventional compression tools
- For aluminum to aluminum, aluminum to copper and copper to copper (except as noted) conductor splicing
- Color coded end plugs for easy die selection

Material: **Body** – Aluminum Alloy-Tin Plated
Factory Inhibited

AL9CU (90°C Rated)



LISTED
261L

Product Data & Conductor Size

CATALOG NUMBER	ALUMINUM OR COPPER CONDUCTOR		VERSA-CRIMP TOOL TYPE	DIMENSIONS INCHES (MM)		APPROX. WT. EACH LBS. (KG)	I.D. INCHES (MM)
	CONVENTIONAL Δ RANGE	VERSA-CRIMP SYSTEM RANGE		L	D		
VACS8	#8 Str. Al/Cu	#8 Str. Al/Cu	VC6350	1-7/8 (47.6)	7/8 (22.2)	.007 (.003)	.166 (4.2)
VACS6	#6 Str. Al/Cu	#6 Str. Al/Cu		1-7/8 (47.6)	7/8 (22.2)	.012 (.005)	.206 (5.2)
VACS4	#4 Str. Al/Cu	#4 Str. Al/Cu		2-1/8 (54.0)	1 (25.4)	.021 (.009)	.252 (6.4)
VACS2	#2 Str. Al/Cu	#6-#2 Str. Al/Cu	VC6 (ALL)	2-3/8 (60.3)	1-1/8 (28.6)	.03 (.013)	.312 (7.3)
VACS1	#1 Str. Al/Cu	#4-#1 Str. Al/Cu		2-3/8 (60.3)	1-1/8 (28.6)	.04 (.02)	.350 (8.9)
VACS10	1/0 Str. Al/Cu	#8-1/0 Str. Al/Cu		2-11/16 (68.3)	1-5/16 (33.3)	.05 (.02)	.393 (10)
VACS20	2/0 Str. Al/Cu	#4-2/0 Str. Al/Cu		2-11/16 (68.3)	1-5/16 (33.3)	.06 (.03)	.450 (11.4)
VACS30	3/0 Str. Al/Cu	#4-3/0 Str. Al/Cu		2-11/16 (68.3)	1-5/16 (33.3)	.08 (.04)	.502 (12.7)
VACS40	4/0 Str. Al/Cu	#2-4/0 Str. Al/Cu		3-3/8 (85.7)	1-5/8 (41.3)	.11 (.05)	.562 (14.3)
VACS250	250 MCM Al/Cu	1/0-250 MCM Al/Cu		3-3/8 (85.7)	1-5/8 (41.3)	.15 (.07)	.605 (13.4)
VACS300	300 MCM Al/Cu	1/0-300 MCM Al/Cu		3-3/8 (85.7)	1-5/8 (41.3)	.19 (.08)	.660 (16.8)
VACS350	350 MCM Al/Cu	2/0-350 MCM Al/Cu	VC63 VC6FT	5 (127.0)	2-7/16 (62.0)	.22 (.10)	.711 (18.1)
VACS400	400 MCM Al/Cu	3/0-400 MCM Al/Cu		5 (127.0)	2-7/16 (62.0)	.27 (.12)	.758 (19.2)
VACS500	500 MCM Al/Cu	4/0-500 MCM Al/Cu		5 (127.0)	2-7/16 (62.0)	.36 (.16)	.843 (21.4)
VACS600*	600 MCM Al	350-600 MCM Al 350-500 MCM Cu	VC6FT VC8	6 (152.4)	2-15/16 (74.6)	.47 (.21)	.923 (23.4)
VACS750*	750 MCM Al	500-750 MCM Al		6 (152.4)	2-15/16 (74.6)	.65 (.40)	1.028 (26.1)
VACS1000*	1000 MCM Al	750-1000 MCM Al	VC8	6-3/8 (161.9)	3-1/8 (79.4)	.97 (.44)	1.182 (30)

Δ Refer to pages DB-23 & DB-24 for recommended tool and die information.

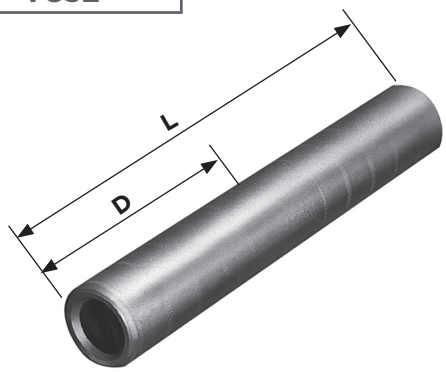
** Not for copper to copper.*

HIGH VOLTAGE APPLICATIONS—All Aluminum/Copper and Copper Lugs (VCEL,VACL,VHCL, VHCS and VCELC) are rated at 34.5kV. The other U.L. listed compression connectors (VACS, VACT, VCCT, VHSS and VHS) have a maximum UL voltage requirement of less than 2000 volts, however Anderson recommends these connectors for application through 34.5 KV subject to the manufacturers' limitations and recommendations for the insulation material. For further information, contact factory.

OVERHEAD LINE SPLICES: AL AND AL-CU COMPRESSION VERSA-CRIMP® SPLICE MINIMUM TENSION – RANGE TAKING

ALUMINUM

VCSE



- ANSI C119.4, minimum tension, Class 3 connector (5% of conductor breaking strength)
- For use with VERSA-CRIMP® tools only
- For aluminum to aluminum and aluminum to copper conductor splicing. Not for copper to copper splicing
- Aluminum alloy conductor recommendations include 5005, 6201 (AAAC) and ACAR of the same maximum diameter as a given ACSR conductor shown below. In addition, compressed (compact) conductor sizes within listed AAC range are recommended

Material: **Body** – Aluminum Alloy
Factory inhibited

Product Data & Conductor Size

CATALOG NUMBER	VERSA CRIMP SYSTEM CONDUCTOR RANGE	VERSA-CRIMP TOOL TYPE	DIMENSIONS INCHES (MM)		APPROX. WT. EACH LBS. (KG)
			L	D	
VCSE44	#10(7)-1/0 (19) AAC #8 (6/1)-1/0 (6/1) ACSR #10 Sol.-1/0(19) Cu	VC6 (ALL)	2 (50.8)	21/32 (16.7)	.063 (.028)
VCSE55	#8(7)-3/0 (19) AAC #6 (6/1)-2/0 (6/1) ACSR #8 Sol.-3/0 (19) Cu		3 (76.2)	1-7/16 (36.5)	.11 (.05)
VCSE66	#4 (7)-266.8 (19) AAC #4 (6/1)-4/0 (6/1) ACSR #4 Sol.-250 (37) Cu		4 (101.6)	1-7/8 (47.6)	.18 (.08)
VCSE77	2/0 (7)-350 (37) AAC 2/0 (6/1)-336.4 (18/1) ACSR 2/0 (7)-350 (37) Cu	*VC6500 VC63 VC6FT	5 (127.0)	2-3/8 (60.3)	.27 (.12)
VCSE88	4/0 (7)-500 (37) AAC 4/0 (6/1)-477 (18/1) ACSR 4/0(7)-500(37) Cu		5 (127.0)	2-3/8 (60.3)	.28 (.12)
VCSE99	500 (19)-750 (61) AAC 477(18/1)-636 (26/7) ACSR 500 (37) Cu	VC6FT VC8	6 (152.4)	2-7/8 (73.0)	.45 (.20)

**VC6500 for use with aluminum conductor only in range 350-500 MCM.*

OVERHEAD AND SERVICE ENTRANCE LINE SPLICES COMPRESSION PLASTIC COVER

PLASTIC

SEC

Snap on cover for minimum tension splice

Material: Black thermoplastic

CATALOG NUMBER	DESCRIPTION	APPROX. WT. EACH LBS. (KG)
SEC4 **	For use on any 5/8" OD splice up to 2" long	.04 (.02)
SEC6 **	For use on any .840 OD splice up to 4" long	.06 (.03)

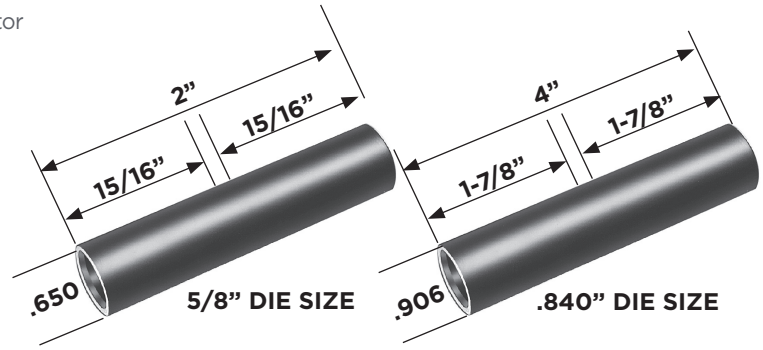
**RUS Listed

OVERHEAD LINE SPLICES: AL AND AL-CU COMPRESSION
VERSAtile™ REDUCING SPLICE
MINIMUM TENSION

ALUMINUM
VAUS

- ANSI C119.4, minimum tension, Class 3 connector (5% of conductor breaking strength)
- For use with either VERSA-CRIMP® or conventional compression tools—4 standard die sizes
- For aluminum to aluminum or aluminum to copper conductor splicing. Not for copper to copper connections.
- Color coded end caps for quick conductor sizing thru 4/0

Material: Aluminum Alloy
Factory Inhibited with Non-Petroleum Sealant



Product Data & Conductor Size

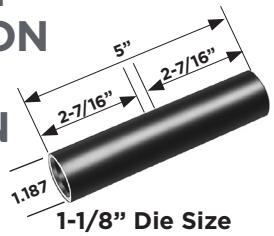
DIELESS VERSA-CRIMP: VC6			5/8" DIE SIZE: STD. TOOLS			
CATALOG NUMBER	VERSA CRIMP VC6 SERIES (ALL) TOOLING RANGES	INSIDE DIAM. (INCHES) A/B ENDS	CONVENTIONAL DIE-TYPE CONDUCTOR RANGES	STANDARD DIE SETS	A/B COLOR CODED ENDS	APPROX. WT. EACH LBS. (KG)
VAUS68**	#8 Str.–#4 Sol. Al/Cu & #6 ACSR #8 Str. Al & #8 Str.– #6 Sol. Cu	.233-.186	#6 Str.–#4 Sol. Al/Cu & #6 ACSR #8 Str. Al & #8 Str.–#6 Sol. Cu	EEI-8A Burndy BG Index 243 Kearney 5/8" T&B/Blackburn TU52	Blue Green	.058 (.026)
VAUS66**	#8 Str.–#4 Sol. Al/CU & #6 ACSR	.233-.233	#6 Str.–#4 Sol. Al/Cu & #6 ACSR		Blue	.057 (.026)
VAUS48**	#8 Str.–#2 Sol. Al/Cu & #6–#4 ACSR #8 Str. Al & #8 Str.–#6 Sol. Cu	.281-.186	#4 Str.–#2 Sol. Al/Cu & #4 ACSR #8 Str. Al & #8 Str.–#6 Sol. Cu		Orange Green	.057 (.026)
VAUS46**	#8 Str.–#2 Sol. Al/Cu & #6–#4 ACSR #8 Str.–#4 Sol. Al/Cu & #6 ACSR	.281-.233	#4 Str.–#2 Sol. Al/Cu & #4 ACSR #6 Str.–#4 Sol. Al/Cu & #6 ACSR		Orange Blue	.056 (.025)
VAUS44**	#8 Str.–#2 Sol. Al/Cu & #6–#4 ACSR	.281-.281	#4 Str.–#2 Sol. Al/Cu & #4 ACSR		Orange	.048 (.022)
VAUS18**	#8–#1 Str. Al/Cu & #6–#2 ACSR #8 Str. Al & #8 Str.–#6 Sol. Cu	.355-.186	#2–#1 Str. Al/Cu & #2 ACSR #8 Str. Al & #8 Str.–#6 Sol. Cu		Red Green	.053 (.024)
VAUS16**	#8–#1 Str. Al/Cu & #6–#2 ACSR #8 Str.–#4 Sol. Al/Cu &#6 ACSR	.355-.233	#2–#1 Str. Al/Cu & #2 ACSR #6 Str.–#4 Sol. Al/Cu & #6 ACSR		Red Blue	.052 (.024)
VAUS14**	#8–#1 Str. Al/Cu & #6–ACSR #8 Str.–#2 Sol. Al/Cu & #6–#4 ACSR	355-.281	#2–#1 Str. Al/Cu & #2 ACSR #4 Str.–#2 Sol. Al/Cu & #4 ACSR		Red Orange	.051 (.023)
VAUS11**	#8–#1 Str. Al/Cu & #6–#2 ACSR	.355-.355	#2–#1 Str. Al/Cu & #2 ACSR		Red	.048 (.022)
VAUS108**	#8–1/0 Str. Al/Cu/ACSR #8 Str. Al & #8 Str.–#6 Sol. Cu	.421-.186	1/0 Str. Al/Cu/ACSR #8 Str. Al & #8 Str. –#6 Sol. Cu		Yellow Green	.049 (.022)
VAUS106**	#8–1/0 Str. Al/Cu/ACSR #8 Str.–#4 Sol. Al/Cu & #6 ACSR	.421-.233	1/0 Str. Al/Cu/ACSR #6 Str.–#4 Sol. Al/Cu & #6 ACSR		Yellow Blue	.048 (.022)
VAUS104**	#8–1/0 Str. Al Cu/ASCR #8 Str.–#2 Sol. Al/Cu & #6–#4 ACSR	.421-.281	1/0 Str. Al/Cu/ACSR #4 Str.–#2 Sol. Al/Cu & #4 ACSR		Yellow Orange	.047 (.021)
VAUS101**	#8–1/0 Str. Al/Cu/ASCR #8–#1 Str. Al/Cu & #6–#2 ACSR	.421-.355	1/0 Str. Al/Cu/ACSR #2–#1 Str. Al/Cu & #2 ACSR		Yellow Red	.043 (.020)
VAUS1010**	#8–1/0 Str. Al/Cu/ASCR	.421-.421	1/0 Str. Al/Cu/ACSR		Yellow	.039 (.018)
DIELESS VERSA-CRIMP: VC6			**.840" DIE SIZE: STD. TOOLS**			
VAUSH101**	#4–1/0 Str. Al/Cu/ACSR #6–#1 Str. Al/CU & #6–#2 ACSR	.421-.355	1/0 Str. Al/Cu/ACSR-2/0 Comp #2–#1 Str. Al/Cu & #2 ACSR–#1–1/0 Comp.	EEI-IIA Burndy K840/249	Yellow Red	.240 (.11)
VAUSH1010**	#4–1/0 Str. Al/Cu/ACSR #4–1/0 Str. Al/Cu/ACSR	.421-.421	1/0 Str. Al/Cu/ACSR–2/0 Comp. 1/0 Str. Al/Cu/ACSR–2/0 Comp.		Yellow	.240 (.11)
VAUS206**	#4–2.0 Str. Al/Cu/ACSR #8 Str.–#4 Sol. Al/Cu & #6 ACSR	.469-.233	2/0 Str. Al/Cu/ACSR–3/0 Comp #6 Str.–#4 Sol. Al/Cu & #6 ACSR		Gray Blue	.213 (.097)
VAUS204**	#4–2/0 Str. Al/Cu/ACSR #8 Str.–#2 Sol. Al/Cu & #6–#4 ACSR	.469-.289	2/0 Str. Al/Cu/ACSR–3/0 Comp. #4 Str.–#2 Sol. Al/Cu & #4 ACSR		Gray Orange	.210 (.095)

Continued on next page.

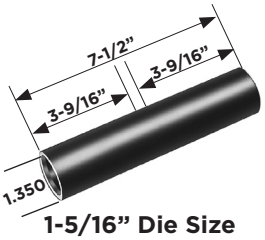
***RUS Listed*

OVERHEAD LINE SPLICES: AL AND AL-CU COMPRESSION VERSAtile™ REDUCING SPLICE MINIMUM TENSION (CONTINUED)

ALUMINUM
VAUS



1-1/8" Die Size



1-5/16" Die Size

DIELESS VERSA-CRIMP: VC6			.840" DIE SIZE: STD. TOOLS			
CATALOG NUMBER	VERSA CRIMP VC6 SERIES (ALL) TOOLING RANGES	INSIDE DIAM. (INCHES) A/B ENDS	CONVENTIONAL DIE-TYPE CONDUCTOR RANGES	STANDARD DIE SETS	A/B COLOR CODED ENDS	APPROX. WT. EACH LBS. (KG)
VAUS201**	#4-2/0 Str. Al/Cu/ACSR #6-#1 Str. Al/Cu & #6-#2 ACSR	.469-.355	2/0 Str. Al/Cu/ACSR-3/0 Comp. #2-#1 Str. Al/Cu & #2 ACSR-#1-1/0 Comp.	EEI-11A Burndy K840 Index 249 T&B TX 76 76H Blackburn 840 B49EA Kearney: 840	Gray Red	.203 (.092)
VAUS2010**	#4-2/0 Str. Al/Cu/ACSR #4-1/0 Str. Al/Cu/ACSR	.469-.429	2/0 Str. Al/Cu/ACSR-3/0 Comp. 1/0 Str. Al.Cu/ACSR-2/0 Comp.		Gray Yellow	.195 (.088)
VAUS2020**	#4-2/0 Str. Al/Cu/ACSR	.469-.469	2/0 Str. Al/Cu/ACSR-3/0 Comp.		Gray	.189 (.086)
VAUS304**	#4-3/0 Str. Al/Cu/ACSR #8 Str.-#2 Sol. Al/Cu & #6-#4 ACSR	.531-.281	3/0 Str. Al/Cu/ACSR-4/0 Comp. #4 Str.-#2 Sol. Al/Cu & #4 ACSR		Black Orange	.201 (.091)
VAUS301**	#4-3/0 Str. Al/Cu/ACSR #6-#1 Str. Al/Cu & #6-#2 ACSR	.531-.355	3/0 Str. Al/Cu/ACSR-4/0 Comp. #2-#1 Str. Al/Cu & #2 ACSR-#1-1/0 Comp.		Black Red	.194 (.088)
VAUS3010**	#4-3/0 Str. Al/Cu/ACSR #4-1/0 Str. Al/Cu/ACSR	.531-.421	3/0 Str. Al/Cu/ACSR-4/0 Comp. 1/0 Str. Al/Cu/ACSR-2/0 Comp.		Black Yellow	.186 (.084)
VAUS3020**	#4-3/0 Str. Al/Cu/ACSR #4-2/0 Str. Al/Cu/ACSR	.531-.469	3/0 Str. Al/Cu/ACSR-4/0 Comp. 2/0 Str. Al/Cu/ACSR-3/0 Comp.		Black Gray	.180 (.082)
VAUS3030**	#4-3/0 Str. Al/Cu/ACSR	.531-.531	3/0 Str. Al/Cu/ACSR-4/0 Comp.		Black	.171 (.078)
VAUS404**	#4 Sol. -250 Str. Al/Cu & #5-4/0 ACSR #8 Str.-#2 Sol. Al/Cu & #6-#4 ACSR	.595-.281	4/0-250 Str. Al/Cu/ACSR-250-300 Comp. #4 Str.-#2 Sol. Al/Cu & #4 ACSR		Pink Orange	.181 (.082)
VAUS401**	#4 Sol.-250 Str. Al/Cu & #5-4/0 ACSR #6-#1 Str. Al/Cu & #6-#2 ACSR	.595-.355	4/0-250 Str. Al/Cu 4/0 ACSR 250-300 Comp. #2-#1 Str. Al/Cu/ACSR-#1-1/0 Comp.		Pink Red	.184 (.083)
VAUS4010**	#4 Sol.-250 Str. Al/Cu & #5-4/0 ACSR #4-1/0 Str. Al/Cu/ACSR	.595-.421	4/0-250 Str. Al/Cu 4/0 ACSR-250-300 Comp. 1/0 Str. Al/Cu/ACSR-2/0 Comp.		Pink Yellow	.176 (.080)
VAUS4020**	#4 Sol.-250 Str. Al/Cu& #5-4/0 ACSR #4-2/0 Str. Al/Cu/ACSR	.595-.469	4/0-250 Str. Al/Cu 4/0 ACSR 250-300 Comp. 2/0 Str. Al/Cu/ACSR-3/0 Comp.		Pink Gray	.170 (.077)
VAUS4030**	#4 Sol.-250 Str. Al/Cu & #5-4/0 ACSR #4-3/0 Str. Al/Cu/ACSR	.595-.531	4/0-250 Str. Al/Cu 4/0 ACSR-250-300 Comp. 3/0 Str. Al/Cu/ACSR-3/0 Comp.		Pink Black	.161 (.073)
VAUS4040**	#4 Sol.-250 Str. Al/Cu & #5-4/0 ACSR	.595-.595	4/0-250 Str. Al/Cu 4/0 ACSR-250-300-Comp.		Pink	.151 (.068)
VAUS34930**	#1-350 Str. & #1-336.4 18/1 ACSR #4-3/0 Str. Al/Cu/ACSR	.704-.531	300-350 Str. & 336.4 18/1 ACSR-350-400 Comp. 3/0 Str. Al/Cu/ACSR-4/0 Comp.		None Black	.200 (.10)
VAUS34940**	#1-350 Str. & #1-336.4 18/1 ACSR #4 Sol.-250 Str. Al/Cu & #5-4/0 ACSR	.704-.595	300-350 Str. & 336.4 18/1 ACSR-350-400 Comp. 4/0-250 Str.-4/0 ACSR-250-300 Comp.		None Pink	.200 (.10)
VAUS349349**	#1-350 Str. & #1-336.4 18/1 ACSR	.704-.704	300-350 Str. & 336.4 18/1 ACSR 350-400 Comp.		None	.190 (.10)
DIELESS VERSA-CRIMP: VC6			**1-1/8" DIE SIZE: STD. TOOLS**			
VAUS300300**Δ	3/0-300 Str. Al/Cu 3/0 (6/1)-266.8 (18/1) ACSR	.650-.650	250-300 Str. Al/Cu & 300-350 Comp. 4/0 (6/1)-266.8 (18/1) ACSR	EEI-13A Burndy: U32 ART Index 655 & 472 705, 316 Kearney: 1 1/8 T&B 96 & 96H Blackburn: B80EA	None	.379 (.172)
VAUS350350**Δ	3/0-350 Str. Al/Cu 3/0(6/1)-336.4 (18/1) ACSR	.718-.718	336.4-350 Str. Al/Cu & 350-400 Comp. 266.8 (6/1)-336.4(18/1) ACSR		None	.349 (.158)
VAUS400400**Δ	4/0-400 Str. Al/Cu 4/0 (6/1)-397-(18/1) ACSR	.781-.781	336.4-400 Str. Al/Cu & 500 Comp. 336.4 (36/1)-397 (18/1) ACSR		None	.313 (.142)
VAUS500500**Δ	4/0-500 Str. Al/Cu 4/0 (6/1)-477 (18/1) ACSR	.843-.843	450-500 Str. Al/Cu & 600 Comp. 397.5 (18/1)-477 (18/1) ACSR		None	.275 (.125)
DIELESS VERSA-CRIMP: VC6/VC8			**1-5/16" DIE SIZE: STD. TOOLS**			
VAUS475475**	4/0-500 Str. 4/0 (6/1)-477 (18/1) ACSR	.843-.843	450-500 Str. & 600 Comp. 397 (18/1) (24/7) (26/7) (30/7) ACSR 477 (36/1) (18/1) ACSR	EEI-14A Burndy: Index 317,327,719 Kearney: 1-5/16 T&B 106H Blackburn: B20AH	None	.748 (.389)
VAUS575575**	250-556.5 Str. 266.8(18/1)-556.5 18/1 ACSR	.900-.900	500-556.5 Str. & 650-700 Comp. 477 (18/1) (24/7) (26/7) ACSR 556 (36/1) (18/1) ACSR		None	.646 (.307)
VAUS675675**	350-700 Str. 336.4 (18/1)-605 26/7 ACSR	1.000-1.000	600-700 Str. & 750-795 Comp. 477 (30/7) 556.5 (18/1) (24/7) (26/7) (30/7) ACSR 636 (18/1) (36/1) 605 (36/1) (24/7) (26/7) ACSR		None	.748 (.389)

Δ For VC6-350/VC6-500 Conductor range is limited to conventional tool/die wire range.

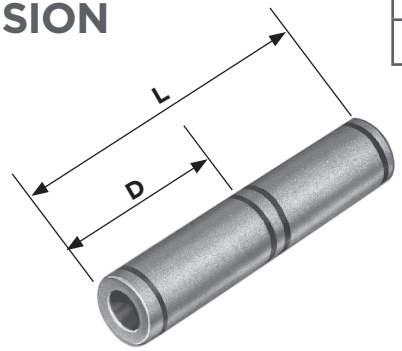
***RUS Listed*

OVERHEAD LINE SPLICES: AL/ACSR COMPRESSION VERSA-CRIMP® SPLICE PARTIAL TENSION

ALUMINUM
VCSN

- ANSI C119.4, partial tension, Class 2 connector (40% of conductor breaking strength)
- For use with VERSA-CRIMP® Type VC6 (all) tools only
- For Aluminum or ACSR messenger-neutrals of triplex service drop cables and loop jumper use

Material: **Body** – Aluminum Alloy
Factory Inhibited



Product Data & Conductor Size

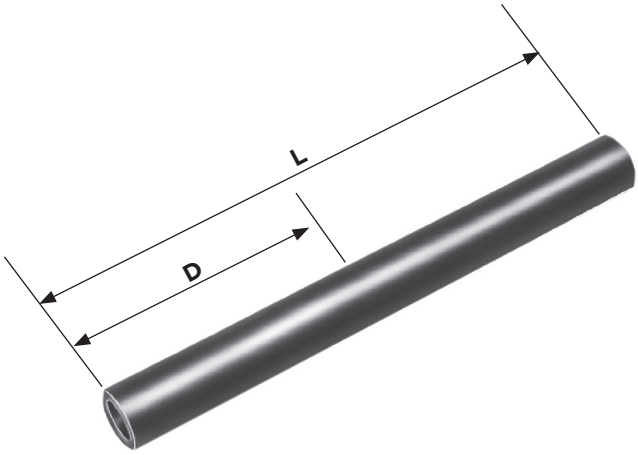
CATALOG NUMBER	ALUMINUM CONDUCTOR RANGE		VERSA-CRIMP TOOL TYPE	DIMENSIONS INCHES (MM)		APPROX. WT. EACH LBS. (KG)
	MAIN	TAP		L	D	
VCSN44	#4 (7)-1/0 (19) AAC #6 (6/1)-1/0 (6/1) ACSR	#4 (7)-1/0 (19) AAC #6 (6/1) - 1/0 (6/1) ACSR	VC6 (ALL)	3-9/16 (90.5)	1-3/4 (44.45)	.12 (.05)

OVERHEAD LINE SPLICES COMPRESSION VERSAtile™ TRIPLEX NEUTRAL SPLICE PARTIAL TENSION

ALUMINUM
VANS

- For use with VERSA-CRIMP® or conventional tools.
- Connectors have partial tension (40%) rating when used with Aluminum and ACSR conductors.
- Connectors have minimum tension (5%) rating when used with copper conductors.
- Connectors are for splicing ACSR/Aluminum conductors to ACSR/Aluminum or ACSR/Aluminum to copper. Not for copper to copper.

Material: Aluminum Alloy
Factory Inhibited with Non-Rubber Swelling Inhibitor and Sealed With Color Coded Caps



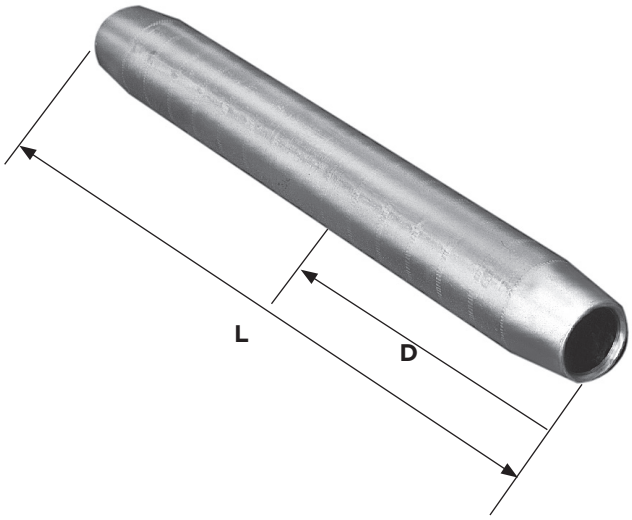
Product Data & Conductor Size

CATALOG NUMBER	ALUMINUM OR COPPER CONDUCTOR				COLOR CODED END	DIMENSIONS INCHES (MM)		WT. EACH LBS. (KG)
	VERSA-CRIMP SYSTEM CONDUCTOR RANGE	VERSA-CRIMP TOOL TYPE	CONVENTIONAL WIRE RANGE	CONVEN-TIONAL TOOL-DIES		L	D	
VANS66	#8 Str.-#4 Sol. Al/Cu #6 ACSR	VC6 (ALL)	#6 Str.-#4 Sol. Al/Cu #6 ACSR	EEI-8A Burndy: BG Index 243 OH-25 Kearney: 5/8 Nose Somerset: TU, 52 Blackburn: 5/8 Nose	Blue	4-1/4 (107.95)	2-1/16 (52.39)	.123 (.055)
VANS44	#8 Str.-#2 Sol. Al/Cu #6-#4 ACSR		#4-#2 Sol. Al/Cu #4 ACSR		Orange	4-1/4 (107.95)	2-1/16 (52.39)	.115 (.052)
VANS11	#8-#1 Str. Al/Cu #6-#2 ACSR		#2-#1 Str. Al/Cu #2 ACSR		Red	4-1/4 (107.95)	2-1/16 (52.39)	.093 (.044)
VANS1010	#8-1/0 Str. Al/Cu/ACSR		1/0 Str. Al/Cu/ACSR		Yellow	5 (127.0)	2-7/16 (61.91)	.097 (.044)

OVERHEAD LINE SPLICES: AAC AND ACSR COMPRESSION VERSA-CRIMP® SPLICE PARTIAL TENSION – RANGE TAKING

ALUMINUM

VCJSR



- For use with VERSA-CRIMP® tools only
- For aluminum, ACSR, compact, 5005, 6201 and ACAR partial tension (40% tension rating) conductor jumper splicing
- Aluminum alloy conductor recommendations include 5005 and ACAR having the same diameter as a given ACSR conductor shown below. In addition, compressed (compact) conductor sizes within the same decimal conductor range are recommended
- Use 800 series connectors only, if 6201 (AAAC) aluminum alloy conductor is involved

Material: **Body** – Aluminum Alloy
Factory inhibited

Product Data & Conductor Size

CATALOG NUMBER	CONDUCTOR RANGE – VERSA CRIMP TOOLS		VERSA-CRIMP TOOL TYPE	DIMENSIONS INCHES (MM)		APPROX. WT. EACH LBS. (KG)
	AAC	ACSR		L	D	
VCJS36R	#6 (7), #4 (7), #3 (7), #2 (19, 7)	#6 (6/1), #4 (7/1), (6/1), #2 (7/1), (6/1)	VC6 (ALL)	4-5/8 (117.5)	2-1/4 (57.2)	.13 (.06)
VCJS50R	#2 (19, 7), #1 (19, 7), 1/0 (19, 7), 2/0 (19, 7)	#2 (7/1, 6/1), #1 (6/1), 1/0 (6/1), 2/0 (6/1)		6 (152.4)	2-15/16 (74.6)	.25 (.11)
VCJS61R	1/0 (19, 7), 2/0 (19, 7), 3/0 (19, 7), 4/0 (19, 7)	1/0 (6/1), 2/0 (6/1), 3/0 (6/1), 4/0 (6/1)		7-3/8 (187.3)	3-5/8 (92.1)	.45 (.20)
VCJS85R	4/0 (19, 7), 250 (37, 19), 266.8 (19, 7) 300 (37, 19), 336.4 (19), 350 (37, 19), 397.5 (19), 400 (37), 450 (37, 19), 477 (37, 19), 500 (37, 19)	4/0 (6/1), 266.8 (18/1) 336.4 (18/1, 36/1), 397.5 (18/1, 36/1), 477 (18/1, 36/1)	VC6 VC6FT	7-3/8 (187.3)	3-5/8 (92.1)	.54 (.24)
VCJS831R	250 (37, 19), 266.8 (19, 7), 300 (37), 336.4 (19), 350 (37,19), 397.5 (19), 400 (37), 450 (37, 19), 477 (37, 19) 500 (37, 19), 556.5 (37, 19)	266.8 (30/7, 26/7, 24/7, 18/1), 366.4 (30/7, 26/7, 24/7, 18/1), 397.5 (26/7, 24/7, 18/1), 477 (26/7, 24/7,18/1)	VC8	11-1/8 (282.6)	5-1/2 (139.7)	1.3 (.59)
VCJS832R	556.5 (37), 636 (37)	477 (26/7), 556.5 (26/7, 24/7), 636 (18/1, 36/1)		12-7/8 (327.0)	6-3/8 (161.9)	1.6 (.72)
VCJS833R	700 (61), 715.5 (61, 37) 795 (61, 37)	605 (26/7, 24/7), 636 (26/7, 24/7, 18/1), 666.6 (24/7) , 795 (36/1)		12-7/8 (327.0)	6-3/8 (161.9)	1.7 (.77)
VCJS834R	900 (61, 37)	715 (26/ 7), 795 (26/7, 54/7, 24/7, 45/7, 36/1)		14-5/8 (371.5)	7-1/4 (184.2)	2.1 (.95)
VCJS835R	954 (61, 37), 1000 (61), 1,033.5 (61, 37)	1,033.5 (61, 37), 1,000 (61) 954 (54/7, 45/7) 900 (54/7, 45/7) 795 (26/7)		14-5/8 (371.5)	7-1/4 (184.2)	2.2 (1.00)

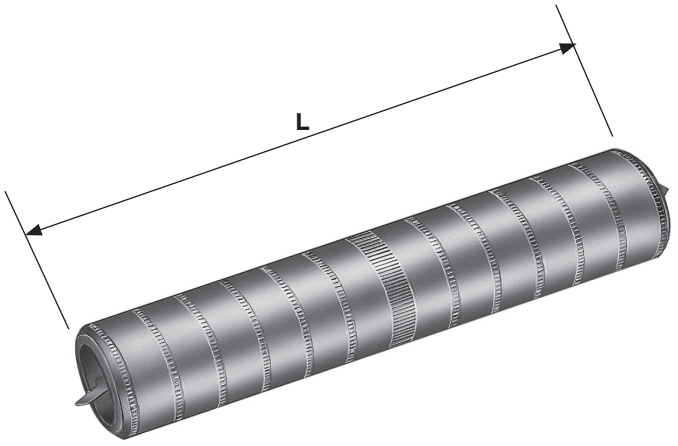
OVERHEAD LINE SPLICES: AAC COMPRESSION
PARTIAL-TENSION SPLICES – AAC

ALUMINUM
PTA

- For use with VERSA-CRIMP® or standard die-type compression tools
- Prefilled with tension compound
- Installed with popular compression dies from several manufacturers
- Shorter barrel requires fewer crimps than higher strength splices for alloyed conductors
- Meets industry requirements for partial tension (40% of conductor breaking strength) splicing per ANSI C119.4, Class 2

Material: Aluminum

Note: Refer to type PTR partial tension sleeves for splicing higher strength alloyed aluminum condutors and single core ACSR.



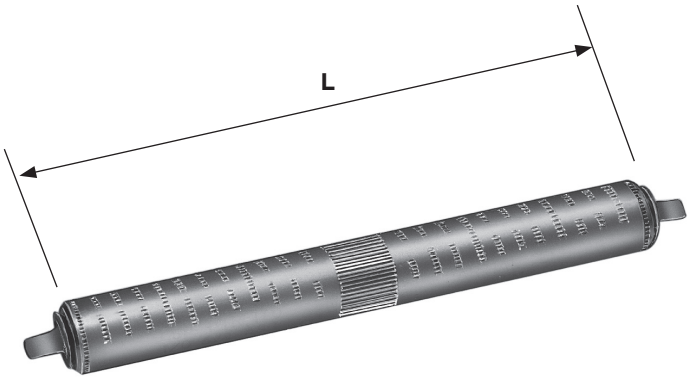
Product Data & Conductor Size

CATALOG NUMBER	CONDUCTOR RANGE		CONVENTIONAL DIES				DIELESS TOOL: ANDER-SON	L LENGTH INCHES (MM)	APPROX. WT. 100 LBS. (KG)
	AAC COMPACT STR.	INCHES (MM)	BURNDY INDEX	KEARNEY	T & B	EEI DIES			
PTA10	1/0 (7,19) Str.	.336-.373 (8.53-9.47)	BG, 243	5/8 5/8-1	52	8A	VC6 (ALL)	3.25 (83)	8 (4)
PTA40	4/0 (7,19) Str.	.475-.528 (12.06-13.41)	249	840	76	11A	VC6 (ALL)	4.00 (102)	16 (7)
PTA337	336.4 19 or 37 Str.	.603-.666 (15.31-16.91)	321, 705, 655	1-1/8-1 1-1/8-2	96	—	VC6 (ALL)	4.50 (114)	27 (12)
PTA350	350 19, 36, 61 Str.	.616-.681 (15.64-17.29)	490, 547	1-1/8-1 1-1/8-2	96	—	VC6FT	6.50 (165)	42 (19)
PTA477	477 or 500 19 or 37 Str.	.722-.814 (18.33-20.68)	317, 327 426	1-1/8-2	106	14A	VC6FT	6.25 (159)	45 (20)
PTA556	556.5 19 or 37 Str.	.780-.858 (19.81-21.79)	261, 318	1-5/16	115	15A	VC8	8.75 (222)	93 (42)
PTA636	636 37 Str.	.835-.918 (21.20-23.31)	469	1-1/2	125	—	VC8	7.50 (191)	87 (39)
PTA795	750-800 37 or 61 Str.	.998-1.031 (23.67-26.18)	342	1-5/8	140	—	VC8	10.5 (267)	151 (68)

OVERHEAD LINE SPLICES: AAC AND ACSR COMPRESSION
PARTIAL-TENSION SPLICES – ACSR

ALUMINUM

PTR



- For use with VERSA-CRIMP® or standard die-type compression tools
- Positive center stop
- Installed with popular compression dies from several manufacturers
- Prefilled with tension compound
- Meets industry requirements for partial tension (40% of conductor breaking strength) splicing per ANSI C119.4, Class 2

Material: Aluminum

Note: Refer to type PTA partial tension sleeves for AAC application only.

Product Data & Conductor Size

CATALOG NUMBER	CONDUCTOR RANGE		CONVENTIONAL DIES			DIELESS TOOL: ANDERSON	L LENGTH INCHES (MM)	APPROX. WT. 100 LBS. (KG)
	TYPES & SIZES	INCHES (MM)	BURNDY INDEX	KEARNEY REF.	EEI DIES			
PTR25	2 ACSR (7/1) 2 ACSR (6/1) 2 AAAC (7) 2 AAC (7)	.268-.325 (6.80-8.25)	C, 167, 247 or 702	737 or 747	10A	VC6 (ALL)	5.00 (127)	22 (10)
PTR10	1/0 ACSR (6/1) 1/0 AAAC (7) 1/0 AAC (7)	.338-.398 (8.58-10.10)	C, 167, 660 247 or 702	737 or 747	10A	VC6 (ALL)	6.25 (159)	25 (11)
PTR205	2/0 ACSR (6/1) 2/0 AAAC (7) 2/0 AAC (7)	.381-.447 (9.67-11.35)	659	3/4	—	VC6 (ALL)	5.62 (143)	25 (11)
PTR30	3/0 ACSR (6/1) 3/0 AAAC (7) 3/0 AAC (7)	.426-.503 (10.82-12.77)	658	840	11A	VC6 (ALL)	5.25 (133)	25 (11)
PTR40	4/0 ACSR (6/1) 4/0 AAAC (7) 4/0 AAC (7)	.480-.565 (12.19-14.35)	654	1.00 1-2	12A	VC6 (ALL)	5.25 (133)	34 (15)
PTR336	336.4 ACSR (18/1) 336.4 AAC (19)	.607-.684 (15.41-17.37)	655	1-1/8-1 or 1-1/8-2	13A	VC6-3 VC6-FT	5.25 (133)	37 (17)
PTR477	447 ACSR (18/1) 477 & 500 AAC	.754-.814 (19.15-20.67)	720	1-5/16	15A	VC8	9.00 (227)	86 (39)
PTR795	795 ACSR (36/1) 795 AAC Rd. Str.	.997-1.042 (25.32-26.46)	342	1-1/2	—	VC8	11.00 (279)	143 (65)

OVERHEAD LINE SPLICES
COMPRESSION
FULL TENSION SPLICES-AAC

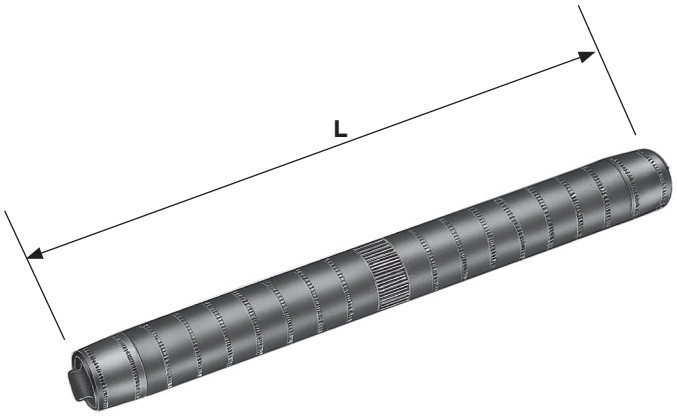
ALUMINUM
FTA

- Positive center stop and tapered ends
- Installed with popular compression tools and dies from several manufacturers, or VERSA-CRIMP® dieless system
- Prefilled with tension joint compound
- Meets industry requirements for full tension (95% of conductor breaking strength) splicing per ANSI C119.4, Class 1

Material: Aluminum

Note: Refer to type FTR—full tension sleeves for splicing higher strength alloyed aluminum conductors and single core ACSR.

FTR splices may also substitute for FTA splice installations.



Product Data & Conductor Size

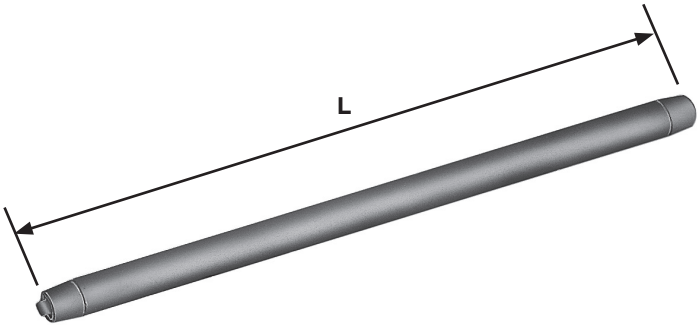
CATALOG NUMBER	(1) CONDUCTOR RANGE		CONVENTIONAL DIES			L LENGTH INCHES (MM)	APPROX. WT. 100 LBS. (KG)
	ALUMINUM	INCHES (MM)	BURNDY INDEX	KEARNEY REF.	EEI DIES		
FTA10	1/0 (7, 19) Str.	.336-.373 (8.53-9.47)	BG, 243	5/8 5/8-1	8A	7.25 (184)	16 (7)
FTA20	2/0 (7, 19) Str.	.376-.419 (9.55-10.64)	245	5/8 5/8-1	9A	9.25 (234)	25 (11)
FTA40	4/0 (7, 19) Str.	.475-.528 (12.06-13.41)	249	840	11A	10.50 (266)	40 (18)
FTA337	336.4 19 or 37 Str.	.603-.666 (15.31-16.91)	321, 705, 655	1-1/8-1 1-1/8-2	—	9.87 (251)	58 (26)
FTA350	350 19, 36, 61 Str.	.616-.681 (15.64-17.29)	490, 547	1-1/8-1 1-1/8-2	—	11.00 (279)	70 (32)
FTA397	397.5 19 Str.	.659-.724 (16.73-18.38)	468, 655	1-1/8-1 1-1/8-2	13A	12.25 (311)	84 (38)
FTA477	477 or 500 19 or 37 Str.	.722-.814 (18.33-20.68)	317, 327, 426	1-1/8-2	14A	12.75 (324)	113 (51)
FTA556	556.5 19 or 37 Str.	.780-.858 (19.81-21.79)	261, 318	1-5/16	15A	12.75 (324)	138 (63)
FTA795*	750-800 37 or 61 Str.	.998-1.031 (23.67-26.18)	342	1-1/2 1-5/8	—	13.62 (346)	199 (90)

(1) Compact strand sizes within the O.D. inch range may be used.
**Consult factory; FTR795 option also available.*

OVERHEAD LINE SPLICES COMPRESSION FULL TENSION "JIFFY SPLICES" – ACSR (and AAC)

ALUMINUM

FTR



- Positive center stop and tapered ends
- Installed with popular compression tools and dies from several manufacturers
- Prefilled with tension joint compound
- Meets industry requirements for full tension (95% of conductor breaking strength) splicing per ANSI C119.4, Class 1

Material: Aluminum

Note: Refer to type FTA—full tension sleeves for AAC application only.

Product Data & Conductor Size

CATALOG NUMBER	(1) CONDUCTOR RANGE		CONVENTIONAL DIES			L LENGTH INCHES (MM)	APPROX. WT. 100 LBS. (KG)
	TYPES & SIZES	INCHES (MM)	BURNDY INDEX	KEARNEY REF.	EEI DIES		
FTR4**	4 ACSR (7/1) 4 ACSR (6/1) 4 AAAC (7) 4 AAC (7)	.182-.257 (4.62-6.52)	BG, 243 or 687	5/8 5/8-1 or 635	8A	12.00 (305)	37 (17)
FTR2**	2 ACSR (6/1) 2 AAAC (7) 2 AAC (7)	.268-.325 (6.80-8.25)			9A	10.25 (260)	28 (13)
FTR25**	2 ACSR (7/1) 2 ACSR (6/1) 2 AAAC (7) 2 AAC (7)	.268-.325 (6.80-8.25)	C 167, 247, 702	737 747	10A	13.00 (330)	56 (25)
FTR10**	1/0 ACSR (6/1) 1/0 AAAC (7) 1/0 AAC (7)	.338-.398 (8.58-10.10)	C 167, 660, 247, 702			14.75 (375)	59 (26)
FTR205**	2/0 ACSR (6/1) 2/0 AAAC (7) 2/0 AAC (7)	.381-.447 (9.67-11.35)	659	781 or 3/4	—	16.00 (406)	70 (32)
FTR30**	3/0 ACSR (6/1) 3/0 AAAC (7) 3/0 AAC (7)	.426-.503 (10.82-12.77)	658	840	11A	18.25 (468)	88 (40)
FTR40**	4/0 ACSR (6/1) 4/0 AAAC (7) 4/0 AAC (7)	.480-.565 (12.19-14.35)	654	1.00 or 1-2	12A	18.50 (470)	120 (54)
FTR336	336.4 ACSR (18/1) 336.4 AAC (19)	.607-.684 (15.41-17.37)	655	1-1/8-1 or 1-1/8-2	13A	19.25 (489)	137 (62)
FTR397	397.5 ACSR (18/1) 350 & 397.5 AAC	.681-.743 (17.29-18.87)	327		14A	22.00 (559)	154 (70)
FTR477	477 ACSR (18/1) 447 & 500 AAC	.754-.814 (19.15-20.67)	720	1-5/16	15A	23.00 (582)	220 (100)
FTA795	795 ACSR (36/1) 795 AAC	.997-1.042 (25.32-26.46)	342	1-1/2	—	25.00 (635)	325 (147)

(1) Compact and 5005 cable sizes within the O.D. range may be used.

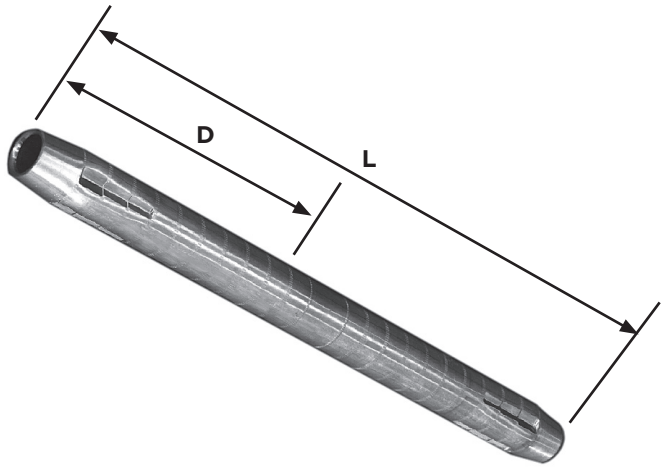
***RUS Listed*

VERSA-CRIMP® ALUMINUM COMPRESSION SPLICE TYPES VC-A, VC-AR, VC-R FULL TENSION-AAC and ACSR

ALUMINUM
VCA, VCAR, VCR

DB 21

- ANSI C119.4, full tension, Class 1 connector (95% of conductor breaking strength)
- For use with VERSA-CRIMP® tools only
- For aluminum, single core ACSR, 5005, 6201 and compact conductor splicing
- Compressed (compact) conductor sizes within the same decimal conductor range are recommended
- One piece splice eliminates cutting back the aluminum strands on ACSR conductors, except on VC90R which requires the outside layer (aluminum strands) to be cut back 5" on each side



Material: **Body** – Aluminum Alloy
Factory inhibited

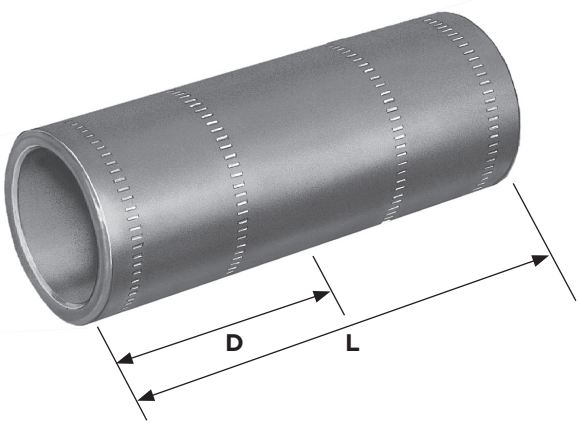
Product Data & Conductor Size

CATALOG NUMBER	CONDUCTOR RANGE – VERSA CRIMP TOOLS			VERSA-CRIMP TOOL TYPE Δ	DIMENSIONS INCHES (MM)		APPROX. WT. EACH LBS. (KG)
	AAC	ACSR	5005 OR AAAC (6201)		L	D	
VC36R**	#4 (19), #4 (7), #2 (7)	#4 (7/1, 6/1), #2 (7/1, 6/1)	48.69 (7), 77.47 (7)	VC6 (ALL)	13-1/8 (333.4)	6-1/2 (165.1)	.32 (.14)
VC410A	#4 (7), #2 (7), 1/0 (7)	—	—		6-1/4 (158.8)	3-1/16 (77.8)	.16 (.07)
VC44R	#2 (7), 1/0 (19), 1/0 (7)	#2 (7/1, 6/1), 1/0 (6/1)	77.47 (7), 123.3 (7)		15-7/8 (403.2)	7-7/8 (200.0)	.55 (.25)
VC50R**	#2 (7), 1/0 (19,7), 2/0 (19,7)	#2 (6/1, 7/1), 1/0 (6/1), 2/0 (6/1)	123.3 (7), 155.4 (7)		17-1/4 (438.2)	8-9/16 (217.5)	.65 (.29)
VC58A	1/0 (7), 2/0 (7), 3/0 (7), 4/0 (7)	—	—		7-5/8 (193.7)	3-3/4 (95.3)	.35 (.16)
VC61R**	1/0 (19,7), 2/0 (7), 3/0 (7), 4/0 (7)	1/0 (6/1), 2/0 (6/1), 3/0 (6/1), 4/0 (6/1)	155.4 (7), 195.7 (7), 246.9 (7)		19-7/8 (504.8)	9-3/4 (247.7)	1.1 (.50)
VC70A	4/0 (7), 266.8 (19,7), 336.4 (19)	—	—		9 (228.6)	4-716 (112.7)	.48 (.22)
VC80R**	4/0 (7), 226.8 (19,7), 336.4 (19), 397.5 (19)	4/0 (6/1), 226.8 (18/1), 336.4 (18/1), 397.5 (18/1)	—		22-7/8 (581.0)	11-3/8 (288.9)	1.6 (.72)
VC85A	336.4 (19), 397.5 (19), 477 (37,19)	—	—	ALL except VC6350	11-3/4 (298.5)	5-13/16 (147.6)	.81 (.37)
VC90R	—	397.5 (18/1), 477 (18/1)	—	VC8	22-7/8 (581.0)	11-3/8 (288.9)	1.7 (.77)
*VC813AR	—	—	652.4 (19), 740.8 (37)		21-5/8 (549.3)	10-3/4 (273.0)	2.5 (1.13)

** Three end crimps are factory formed to minimize vibration damage to conductor.*
*** RUS Listed*
Δ For VC6350/VC6500 connector and conductor recommendations, see application label in top of tool case.

COPPER
VHSS

OVERHEAD LINE SPLICES-CU COMPRESSION VERSAtile™ COMPRESSION SPLICE MINIMUM TENSION



STANDARD LENGTH

- ANSI C119.4, minimum tension, Class 3 connector (5% of conductor breaking strength)
- For use with either VERSA-CRIMP® or conventional compression tools
- For copper stranded conductor, only
- Color coded bands for easy die selection

Material: Copper—Tin plated

UL LISTED 261L

Product Data & Conductor Size

CATALOG NUMBER	COPPER CONDUCTOR		VERSA-CRIMP TOOL TYPE	DIMENSIONS INCHES (MM)		APPROX. WT. EACH LBS. (KG)	I.D. (INCHES)
	CONVENTIONAL WIRE SIZE	VERSA-CRIMP SYSTEM RANGE		L	D		
VHSS4	#4 Str.	#4 Str.	VC6350 VC6500	1-3/4 (44.45)	13/16 (20.64)	.026 (.01)	.246
VHSS2	#2 Str.	#6-#2 Str.	VC6 (ALL) VC7 (ALL)	1-7/8 (47.62)	7/8 (22.22)	.04 (.018)	.306
VHSS10	1/0 Str.	#6-1/0 Str.		1-7/8 (47.62)	7/8 (22.22)	.057 (.025)	.393
VHSS20	2/0 Str.	#4-2/0 Str.		2 (50.8)	15/16 (23.81)	.065 (.029)	.443
VHSS30	3/0 Str.	#2-3/0 Str.		2-1/8 (53.98)	1 (25.4)	.094 (.042)	.490
VHSS40	4/0 Str.	#1-4/0 Str.		2-1/8 (53.98)	1 (25.4)	.094 (.042)	.547
VHSS250	250 MCM	1/0-250 MCM		2-1/4 (57.15)	1-1/16 (26.97)	.12 (.054)	.595
VHSS300	300 MCM	2/0-300 MCM		2-1/4 (57.15)	1-1/16 (26.97)	.14 (.063)	.650
VHSS350	350 MCM	3/0-350 MCM	VC6-3 VC7 VC6FT VC7FT VC8**	2-3/8 (60.32)	1-1/8 (28.58)	.17 (.077)	.700
VHSS400	400 MCM	4/0-400 MCM		2-1/2 (63.5)	1-3/16 (30.16)	.31 (.14)	.762
VHSS500	500 MCM	4/0-500 MCM		2-7/8 (73.02)	1-3/8 (34.92)	.32 (.14)	.834
VHSS750	750 MCM	500-750 MCM	VC6FT VC7FT VC8**	3-3/8 (85.72)	1-5/8 (41.28)	.54 (.24)	1.030

Refer to page DB-25 for recommended tool and die information.

***Type VC8 compression tool crimping range is 500-1500 MCM Cu.*

HIGH VOLTAGE APPLICATIONS—All Aluminum/Copper and Copper Lugs (VCEL, VACL, VHCL, VHCS and VCELC) are rated at 34.5 KV. The other U.L. listed compression connectors (VACS, VACT, VCCT, VHSS and VHS) have a maximum UL voltage requirement of less than 2000 volts, however Anderson recommends these connectors for application through 34.5 kV subject to manufacturers' limitations for insulation material. For further information, contact factory.

OVERHEAD LINE SPLICES-CU COMPRESSION, VERSAtile™ SPLICE MINIMUM TENSION, HEAVY DUTY LENGTH

COPPER
VHS

- ANSI C119.4, minimum tension, Class 3 connector (5% of conductor breaking strength)
- For use with either VERSA-CRIMP® or conventional compression tools
- For copper stranded conductor, only
- Color coded bands for easy die selection

Material: Copper—Tin plated

UL LISTED 261L

Product Data & Conductor Size

CATALOG NUMBER	COPPER CONDUCTOR		VERSA-CRIMP TOOL TYPE	DIMENSIONS INCHES (MM)		APPROX. WT. EACH LBS. (KG)	I.D. (INCHES)
	CONVENTIONAL WIRE SIZE	VERSA-CRIMP SYSTEM RANGE		L	D		
VHS6**	#6 Str.	#6 Str.	VC6350 VC6500	2-3/8 (60.32)	1-1/8 (28.58)	.03 (.01)	.198
VHS4**	#4 Str.	#4 Str.		2-3/8 (60.32)	1-1/8 (28.58)	.03 (.01)	.246
VHS2**	#2 Str.	#6-#2 Str.	VC6 (ALL) VC7 (ALL)	2-3/8 (60.32)	1-1/4 (31.75)	.05 (.02)	.306
VHS1**	#1 Str.	#6-#1 Str.		2-7/8 (73.02)	1-3/8 (34.92)	.06 (.027)	.358
VHS10**	1/0 Str.	#6-1/0 Str.		2-7/8 (73.02)	1-3/8 (34.92)	.08 (.036)	.393
VHS20**	2/0 Str.	#4-2/0 Str.		3-1/8 (79.38)	1-1/2 (38.1)	.09 (.04)	.443
VHS30**	3/0 Str.	#2-3/0 Str.		3-1/8 (79.38)	1-1/2 (38.1)	.11 (.05)	.490
VHS40**	4/0 Str.	#1-4/0 Str.		3-3/8 (85.72)	1-5/8 (41.28)	.15 (.068)	.547
VHS250**	250 MCM	1/0-250 MCM		3-3/8 (85.72)	1-5/8 (41.28)	.18 (.082)	.595
VHS300**	300 MCM	2/0-300 MCM		4-1/8 (104.78)	2 (50.8)	.25 (.11)	.650
VHS350**	350 MCM	3/0-350 MCM	VC6-3 VC7 VC6FT VC7FT VC8***	4-1/8 (104.78)	2 (50.8)	.29 (.13)	.700
VHS400**	400 MCM	4/0-400 MCM		4-3/8 (111.12)	2-1/8 (53.98)	.37 (.17)	.762
VHS500**	500 MCM	4/0-500 MCM		4-5/8 (117.48)	2-1/4 (57.15)	.50 (.23)	.834
VHS600**	600 MCM	250-600 MCM	VC6FT VC7FT VC8***	5-1/2 (139.7)	2-11/16 (68.26)	.78 (.35)	.923
VHS750**	750 MCM	500-750 MCM		5-7/8 (149.22)	2-7/8 (73.02)	.94 (.43)	1.030
VHS1000**	1000 MCM	750-1000 MCM	VC8***	6-1/8 (155.58)	3 (76.2)	1.30 (.59)	1.172

Refer to page DB-26 for recommended tool and die information.

*** RUS Listed*

**** Type VC8 tool crimping range is 500-1500 MCM Cu.*

HIGH VOLTAGE APPLICATIONS—All Aluminum/Copper and Copper Lugs (VCEL, VACL, VHCL, VHCS and VCELC) are rated at 34.5 KV. The other U.L. listed compression connectors (VACS, VACT, VCCT, VHSS and VHS) have a maximum UL voltage requirement of less than 2000 volts, however Anderson recommends these connectors for application through 34.5 KV subject to the manufacturers' limitations and recommendations for the insulation material. For further information, contact factory.

VACL/VACS/VACT—Anderson/Burndy

Catalog Number VACL (3) VACS (4) VACT (4)	ANDERSON™ VERSA-CRIMP® COMPRESSION TOOLS (Crimps per Connection)						CONVENTIONAL COMPRESSION DIE TOOLING (Crimps per Connection)												
	V-C Tools Wire Range (AWG or MCM)	VERSA-CRIMP Tools (Number of Crimps)					Wire Size (AWG or MCM)	Die Color Code (2)	Burndy (Crimps)							Burndy Indentor Tools (1 Crimp)			
		*VC6 500	VC6 350	VC6 (1)	VC6 FT (1)	VC8 AL NIBS			Die Index No.	Tool Y34A Die	Tools Y35 Y39 Die	Tool Y34B Die	Tool Y48B Die	Tool Y486RB Die	Tool MY-29 Die	Tool Y34A (Indentor) Nest	Tool Y34B (Indentor) Nest	Tool Y48B (Indentor) Nest	Tool Y486RB (Indentor) Nest
-8	#8 AL/CU	1	1				#8 AL/CU	Blue	374		U8CABT (2)				#8 (1)				
-6	#6 AL/CU	1	1				#6 AL/CU	Gray	346	A6CAB (1)	U6CABT (1)	B6CD (1)			#6 (1)	A4CD (Y34PA)	B4CD (Y34PA)		
-4	#4 AL/CU	2	2				#4 AL/CU	Green	375	A4CAB (1)	U4CABT * (1)	B4CD (1)	C4CAB (1)		#4 (1)	A1CD (Y34PA)	B1CD (Y34PA)		
-2	#6-#2 AL/CU	2	2	2	2		#2 AL/CU	Pink	348	A2CAB (1)	U2CABT (1)	B2CD (1)			#2 (2)	A26D (Y34PA)	B26D (Y34PA)		
-1	#8-#1 AL/CU	2	2	2	2		#1 AL/CU	Tan	296	A25AR (1)	U25ART * (1)	B1CD (1)			#1 (2)	A27D (Y34PR-5)	B27D (Y34PR-5)		
-1/0	#8-1/0 AL/CU	2	2	2	2		1/0 AL/CU	Tan	296	A25AR (1)	U25ART * (1)	B25D (1)			1/0 (2)	A27D (Y34PR-5)	B27D (Y34PR-5)		
-2/0	#4-2/0 AL/CU	2	2	2	2		2/0 AL/CU	Olive	297	A26AR (2)	U26ART (2)	B26D (1)			2/0 (2)	A29D (Y34PR-5)	B29D (Y34PR-5)		
-3/0	#4-3/0 AL/CU	2	2	2	2		3/0 AL/CU	Ruby	467	A27AR (2)	U27ART (2)	B27D (1)			3/0 (2)	A30D (Y34PR-5)	B30D (Y34PR-5)		
-4/0	#2-4/0 AL/CU	3	3	2	2		4/0 AL/CU	White	298	A28AR (2)	U28ART (2)	B28D (1)	C28AR (1)	F28AR (1)	4/0 (2)	A31D (Y34PR-5)	B31D (Y34PR-5)		
-250	1/0-250 AL/CU	3	3	2	2		250 AL/CU	Red	324	A29AR (2)	U29ART (2)	B29D (1)	C29AR (1)	F29AR (1)		A32D (Y34PR-5)	B32D (Y34PR-5)		
-300	1/0-300 AL/CU	3	3	2	2		300 AL/CU	Blue	470	A30AR (2)	U30ART (2)	B30D (2)	C30AR (1)	F30AR (1)		A34D (Y34PR-11)	No Die	C34D (Y48PR-1)	F34D (Y48PR-1)
-350 (1)	2/0-350 AL/CU	4		3	3		350 AL/CU	Brown	299		U31ART (2)	B31D (2)	C31AR (1)	F31AR (1)				C35D (Y48PR-1)	F35D (Y48PR-1)
-400 (1)	3/0-400 AL/CU	5		4 O'lap	4 O'lap		400 AL/CU	Green	472		U32ART (4)	B32D (2)	C32AR (2)	F32AR (2)				C36D (Y48PR-1)	F36D (Y48PR-1)
-500 (1)	4/0-500 AL/CU	7		4 O'lap	4 O'lap		500 AL/CU	Green	472		U32ART (4)	No Die Required (2)	C32AR (2)	F32AR (2)					
-600	350 - 600 AL 350 - 500 CU				4	3	600 AL	Pink	300		U34ART (4)		C34AR (2)	F34AR (2)					
-750	500 - 750 AL 500 CU				4	3	750 AL	Pink	300		U34ART (4)		C34AR (2)	F34AR (2)					
-1000	750-1000 AL					3	1000 AL	Brown	302				C44AR (2)	F44AR (2)				C46D (Y48PR-1)	F46D (Y48PR-1)

\+ *TBM-8 Tool ONLY*
★ *Anderson HC-12 Dies, Burndy's Y-35 Dies and Blackburn's JB-12 Dies are interchangeable.*
(1) "VACL" Lug sizes -350 to -500 take 1 less crimp (VC6 Tools) than shown.
(2) Color code is for Anderson and Burndy dies only. Use the recommended die number (NOT die color) for Blackburn, Kearney & T&B Hyd. Tools/Dies.
(3) The "VACL" lugs are qualified for UL "HV" applications.
(4) The "VACS" sleeves and "VACT" tee connectors are for AL to AL or AL to CU connections ONLY. (NOT for CU to CU connections).
* *Not UL Listed-pending completion of test.*

VACL/VACS/VACT—Anderson/Burndy

Catalog Number VACL (3) VACS (4) VACT (4)	ANDERSON™ VERSA-CRIMP® COMPRESSION TOOLS (Crimps per Connection)						CONVENTIONAL COMPRESSION DIE TOOLING (Crimps per Connection)											
	V-C Tools Wire Range (AWG or MCM)	VERSA-CRIMP Tools (Number of Crimps)					Wire Size (AWG or MCM)	Die Color Code (2)	Blackburn (Crimps)		Kearney (Crimps)				Thomas & Betts (Crimps)		
		*VC6 500	VC6 350	VC6 (1)	VC6 FT (1)	VC8 AL NIBS			Tool OD-58	Tool JB-12A		Tools (No. of Crimps)			Tools TBM5 TBM8	12 Ton Hyd. Tool	15 Ton Hyd. Tool
									Die	Die	Die	O-52	WH-1 PH-1	WH-2 PH-2	Die	Die	Die
-8	#8 AL/CU	1	1				#8 AL/CU	Blue	BY17C (2)	B73CH (1)	1/4	(2)			Blue (1)	24 (1)	24 (1)
-6	#6 AL/CU	1	1				#6 AL/CU	Gray	BY19C (3)	B74CH (1)	5/16	(3)	(1)	(1)	Gray (2)	29 (2)	29 (2)
-4	#4 AL/CU	2	2				#4 AL/CU	Green	BY21C (3)	U4CABT * (1)	3/8	(3)	(2)	(2)	Green (2)	37 (2)	37 (2)
-2	#6-#2 AL/CU	2	2	2	2		#2 AL/CU	Pink	BY23C (3)	BO6CH (1)	1/2	(3)	(2)	(2)	Pink (2)	45 (2)	45 (2)
-1	#8-#1 AL/CU	2	2	2	2		#1 AL/CU	Tan	BY23C (4)	U25ART * (1)	9/16	(4)	(2)	(2)	Tan (2)	50 (2)	50 (2)
-1/0	#8-1/0 AL/CU	2	2	2	2		1/0 AL/CU	Tan	BY25C (4)	U25ART * (1)	9/16	(4)	(2)	(2)	Tan (2)	50 (2)	50 (2)
-2/0	#4-2/0 AL/CU	2	2	2	2		2/0 AL/CU	Olive	BY31C (4)	B09CH (2)	5/8-1	(4)	(3)	(3)	Olive (2)	54 (1)	54H (2)
-3/0	#4-3/0 AL/CU	2	2	2	2		3/0 AL/CU	Ruby	BY27C (5)	B26CH (2)	11/16	(5)	(3)	(3)	Ruby (2)	62 (1)	62 (1)
-4/0	#2-4/0 AL/CU	3	3	2	2		4/0 AL/CU	White	BY35C (5)	B10CH1 (2)	781	(5)	(3)	(3)	+White (4)	71H (3)	71H (3)
-250	1/0-250 AL/CU	3	3	2	2		250 AL/CU	Red	BY37C (5)	B11CH (2)	840	(5)	(3)	(3)	+Red (5)	76H (3)	76 (2)
-300	1/0-300 AL/CU	3	3	2	2		300 AL/CU	Blue		B61EA (1)	29/32		(2)	(2)	+Blue (5)	87H (3)	87H (3)
-350 (1)	2/0-350 AL/CU	4		3	3		350 AL/CU	Brown		B12CH1 (2)	1-1/8-1		(2)	(2)	+Brown (5)	94H (3)	94H (3)
-400 (1)	3/0-400 AL/CU	5		4 O'lap	4 O'lap		400 AL/CU	Green		B80EA (2)	1-1/8-1		(2)	(2)		99H (3)	99H (3)
-500 (1)	4/0-500 AL/CU	7		4 O'lap	4 O'lap		500 AL/CU	Green		B80EA (3)	1-1/8-2		(2)	(2)		96H (4)	96 (2)
-600	350 - 600 AL 350 - 500 CU				4	3	600 AL	Pink		B20AH (3)	1-5/16			(4)		106H (5)	106H (5)
-750	500 - 750 AL 500 CU				4	3	750 AL	Pink		B20AH (3)	1-5/16			(4)		106H (5)	106H (5)
-1000	750-1000 AL					3	1000 AL	Brown									

+ TBM-8 Tool ONLY
★ Anderson HC-12 Dies, Burndy's Y-35 Dies and Blackburn's JB-12 Dies are interchangeable.
(1) "VACL" Lug sizes -350 to -500 take 1 less crimp (VC6 Tools) than shown.
(2) Color code is for Anderson and Burndy dies only. Use the recommended die number (NOT die color) for Blackburn, Kearney & T&B Hyd. Tools/Dies.
(3) The "VACL" lugs are qualified for UL "HV" applications.
(4) The "VACS" sleeves and "VACT" tee connectors are for AL to AL or AL to CU connections ONLY. (NOT for CU to CU connections).
** Not UL Listed-pending completion of test.*

VHSS & VHCS

Catalog Number VHSS VHCS	ANDERSON™ VERSA-CRIMP® COMPRESSION TOOLS (Crimps per Connection)								CONVENTIONAL COMPRESSION DIE TOOLING (Crimps per Connection)													Conductor Insulation Strip Lengths (Min.) (1)
	V-C Tools Wire Range AWG or MCM Stranded (Copper Only)	VERSA-CRIMP® Tools (Number of Crimps)							Copper Wire Size AWG or MCM STR	Die Color Code	Burndy (Crimps)	Burndy Longitudinal Indent (Crimps)						Kearney (Crimps)		Thomas & Betts (Crimps)		
		*VC6 -500	VC6 -350	VC6 (1)	VC6 FT	VC7	VC7 FT	VC8 AL NIBS			Tool MY29-3 Nest Setting	Tool Y34A Indentor Y34PR Nest	Tool Y34B Indentor Y34PR Nest	Tool Y44B Indentor Y44PR Nest	Tool Y48B Indentor Y48PR Nest	Tool Y486RB Indentor Y48PR Nest	Tools Y35 Y39 Y45† Die	Tools "O" Die	Tools "WH" Die	Tools TBM5 TBM8 Die	Hyd. Tools 12, 15 20 & 40 Ton Die	
-6	#6	1	1						#6	Blue	#6 (1)	A6CD (1)	B6CD (1)				U5CRT (1)			Blue (2)	24 (1)	15/16"
-4	#4	1	1						#4	Gray	#4 (1)	A4CD (1)	B4CD (1)				U4CRT (1)	5/16 (3)	5/16 (1)	Gray (2)	29 (1)	15/16"
-2	#6-#2	1	1	1	1	1	1		#2	Brown	#2 (1)	A2CD (1)	B2CD (1)				U2CRT (1)	3/8 (3)	3/8 (1)	Brown (2)	33 (1)	1"
-1	#6-#1	1	1	1	1	1	1		#1	Green	#1 (1)	A1CD (1)	B1CD (1)				U1CRT (1)			Green (2)	37 (1)	1"
-1/0	#6-1/0	1	1	1	1	1	1		1/0	Pink	1/0 (1)	A25D (1)	B25D (1)	E25D (1)			U25RT (1)	1/2 (3)	1/2 (1)	Pink (2)	42H(2) 42(1)	1"
-2/0	#4-2/0	1	1	1	1	1	1		2/0	Black	2/0 (1)	A26D (1)	B26D (1)	E26D (1)			U26RT (1)	9/16 (3)	9/16 (1)	Black (2)	45 (1)	1-1/16"
-3/0	#2-3/0	2	2	2 O'lap	2 O'lap	2	2		3/0	Orange	3/0 (1)	A27D (1)	B27D (1)	E27D (1)			U27RT (1)	9/16 (3)	9/16 (2)	Orange (2)	50 (1)	1-1/8"
-4/0	#1-4/0	2	2	2 O'lap	2 O'lap	2	2		4/0	Purple	4/0 (1)	A28D (1)	B28D (1)	E28D (1)	C28D (1)	F28D (1)	U28RT (1)	5/8-1 (3)	5/8-1 (2)	Purple (2)	54 (1)	1-1/8"
-250	1/0-250	2	2	2 O'lap	2 O'lap	2	2		250	Yellow	250 (1)	A29D (1)	B29D (1)	E29D (1)	C29D (1)	F29D (1)	U29RT (1)	11/16 (3)	11/16 (2)	Yellow (2)	60(1) 62(1)	1-3/16"
-300	2/0-300	2	2	2 O'lap	2 O'lap	2	2		300	White		A30D (1)	B30D (1)	E30D (1)	C30D (1)	F30D (1)	U30RT (1)	781 (3)	781 (2)	+White (2)	66H(2) 66(1)	1-3/16"
-350	3/0-350	3 O'lap		2 O'lap	2 O'lap	2	2		350	Red		A31D (1)	B31D (1)	E31D (1)	C31D (1)	F31D (1)	U31RT (1)	840 (3)	840 (2)	+Red (2)	71H(2) 71(1)	1-1/4"
-400	4/0-400	3 O'lap		2 O'lap	2 O'lap	2	2		400	Blue		A32D (1)	B32D (2)	E32D (1)	C32D (1)	F32D (1)	U32RT (1)			+Blue (2)	76H(2) 76(1)	1-5/16"
-500	4/0-500	4 O'lap		2	2	2	2	1 (2)	500	Brown		A34D (1)	No Die Required (1)	E34D (1)	C34D (1)	F34D (1)	U34RT (2)		1 or 1-2 (2 O'lap)	+Brown (2)	87H(2) 87(1)	1-1/2"
-600	250-600				2		2	1 (3)	600	Green				E36D (1)	C36D (1)	F36D (1)	U36RT (2)				94H(2) 94(1)	1-1/2"
-750	500-750				3 O'lap		3	2 O'lap	750	Black				E39D (1)	C39D (1)	F39D (1)					106H(2) 106(1)	1-3/4"
-800	500-800							2 O'lap	800					E40D (1)	C40D (1)	F40D (1)					107H(2) 107(1)	1-3/4"
-1000	750-1000							2	1000					No Die Required (1)	C44D (1)	F44D (1)					125H(2) 125(1)	2"
-1500	1000-1500							2	1500						C46D (1)	F46D (1)						2-1/8"

\+ *TBM-8 ONLY*

† *Burndy Y45 head requires an adapter for use with "U" series dies.*

(1) Users of VC6 and VC7 tools must strip off an extra 1-5/8" of insulation from one end of cable to permit removal of tool over conductor sizes 250 MCM and larger on "VHSS" sleeves.

(2) VC8 tool crimps 500 MCM ONLY.

(3) VC8 tool crimps 500-600 MCM ONLY.

* *Not UL Listed-pending completion of test.*

VHS & VHCL

Catalog Number VHS VHCL	ANDERSON™ VERSA-CRIMP® COMPRESSION TOOLS (Crimps per Connection)								CONVENTIONAL COMPRESSION DIE TOOLING (Crimps per Connection)														Conductor Insulation Strip Lengths (Min.) (1)
	V-C Tools Wire Range AWG or MCM Stranded (Copper Only)	VERSA-CRIMP® Tools (Number of Crimps)							Copper Wire Size AWG or MCM STR	Die Color Code	Burndy (Crimps)	Burndy Longitudinal Indent (Crimps)						Kearney (Crimps)		Thomas & Betts (Crimps)			
		*VC6 -500	VC6 -350	VC6 (1)	VC6 FT	VC7	VC7 FT	VC8 AL NIBS			Tool MY29-3	Tool Y34A Indentor Y34PR	Tool Y34B Indentor Y34PR	Tool Y44B Indentor Y44PR	Tool Y48B Indentor Y48PR	Tool Y486RB Indentor Y48PR	Tools Y35 Y39 Y45†	Tools "O"	Tools "WH"	Tools TBM5 TBM8	Hyd. Tools 12, 15 20 & 40 Ton	
											Nest Setting	Nest	Nest	Nest	Nest	Nest	Die	Die	Die	Die	Die	
-6	#6	2	2						#6	Blue	#6 (1)	A6CD (1)	B6CD (1)				U5CRT (2)			Blue (2)	24 (1)	1-1/4"
-4	#4	2	2						#4	Gray	#4 (1)	A4CD (1)	B4CD (1)				U4CRT (2)	5/16 (5)	5/16 (2)	Gray (2)	29 (1)	1-1/4"
-2	#6-#2	2		2 O'lap	2 O'lap	2	2		#2	Brown	#2 (1)	A2CD (1)	B2CD (1)				U2CRT (2)	3/8 (5)	3/8 (2)	Brown (2)	33 (1)	1-3/8"
-1	#6-#1	3	3	2	2	2	2		#1	Green	#1 (1)	A1CD (1)	B1CD (1)				U1CRT (1)			Green (2)	37 (1)	1-1/2"
-1/0	#6-1/0	3	3	2	2	2	2		1/0	Pink	1/0 (1)	A25D (1)	B25D (1)	E25D (1)			U25RT (2)	1/2 (5)	1/2 (2)	Pink (2)	42H(2) 42(1)	1-1/2"
-2/0	#4-2/0	3	3	2	2	2	2		2/0	Black	2/0 (1)	A26D (1)	B26D (1)	E26D (1)			U26RT (2)	9/16 (5)	9/16 (3)	Black (2)	45 (1)	1-5/8"
-3/0	#2-3/0	3	3	2	2	2	2		3/0	Orange	3/0 (1)	A27D (1)	B27D (1)	E27D (1)			U27RT (2)	9/16 (5)	9/16 (3)	Orange (2)	50 (1)	1-5/8"
-4/0	#1-4/0	3	3	2	2	2	2		4/0	Purple	4/0 (1)	A28D (1)	B28D (1)	E28D (1)	C28D (1)	F28D (1)	U28RT (2)	5/8-1 (5)	5/8-1 (3)	Purple (2)	54 (1)	1-3/4"
-250	1/0-250	3	3	2	2	2	2		250	Yellow	250 (1)	A29D (1)	B29D (1)	E29D (1)	C29D (1)	F29D (1)	U29RT (2)	11/16 (5)	11/16 (3)	Yellow (2)	60(1) 62(1)	1-3/4"
-300	2/0-300	4	4	3	3	3	3		300	White		A30D (2)	B30D (2)	E30D (2)	C30D (2)	F30D (2)	U30RT (2)	781 (5)	781 (3)	+White (4)	66H(4) 66(2)	2-1/8"
-350	3/0-350	5		3	3	3	3		350	Red		A31D (2)	B31D (2)	E31D (2)	C31D (2)	F31D (2)	U31RT (2)	840 (5)	840 (3)	+Red (4)	71H(4) 71(2)	2-1/8"
-400	4/0-400	6		3	3	3	3		400	Blue		A32D (2)	B32D (2)	E32D (2)	C32D (2)	F32D (2)	U32RT (2)			+Blue (4)	76H(4) 76(2)	2-1/4"
-500	4/0-500	6		4 O'lap	4 O'lap	4	4	2 (2)	500	Brown		A34D (2)	No Die Required (2)	E34D (2)	C34D (2)	F34D (2)	U34RT (4)		1 or 1-2 (3)	+Brown (4)	87H(4) 87(2)	2-3/8"
-600	250-600				4		4	3 (3)	600	Green				E36D (2)	C36D (2)	F36D (2)	U36RT (5)				94H(4) 94(2)	2-13/16"
-750	500-750				4 O'lap		4	3	750	Black				E39D (2)	C39D (2)	F39D (2)					106H(4) 106(2)	3"
-800	500-800							3	800					E40D (2)	C40D (2)	F40D (2)					107H(4) 107(2)	3-1/16"
-1000	750-1000							4 O'lap	1000					No Die Required (2)	C44D (2)	F44D (2)					125H(4) 125(2)	3-1/8"
-1500	1000-1500							4 O'lap	1500						C46D (2)	F46D (2)						3-5/16"

\+ *TBM-8 ONLY*

† *Burndy Y45 head requires an adapter for use with "U" series dies.*

(1) *Users of VC6 and VC7 tools must strip off an extra 1-5/8" of insulation from one end of cable to permit removal of tool over conductor sizes 250 MCM and larger on "VHS" sleeves.*

(2) *VC8 tool crimps 500 MCM ONLY.*

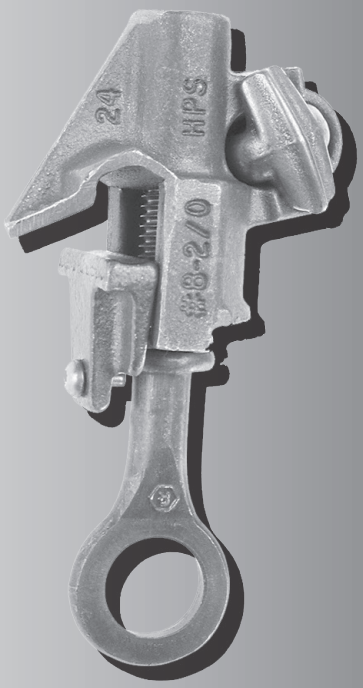
(3) *VC8 tool crimps 500-600 MCM ONLY.*

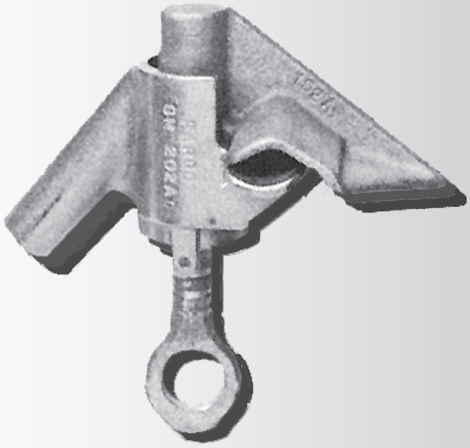
* *Not UL Listed-pending completion of test.*

HUBBELL

DISTRIBUTION CONNECTORS

SECTION DC





TAP & STIRRUP CLAMPS

Aluminum Tap Clamps

Bronze Tap Clamps

Aluminum & Bronze Bolted Stirrup Clamps

Aluminum Compression Tees & Stirrup Clamps

Copper Compression Tees & Stirrup Clamps

OVERHEAD PRIMARY TAPS
HOT LINE TAP CLAMPS
ALUMINUM

ALUMINUM
AH/S1500

- For Aluminum and ACSR conductor.
- Designed for standard "hot stick" application.

Material: **Body and Keeper** – Aluminum Alloy
Eyebolt – Bronze Alloy – Tin Plated
Eyestem – Bronze Alloy, Forged or Stainless Steel
Spring (on eyestem) – Stainless Steel

For Factory greased and bagged clamps, see notes below table.

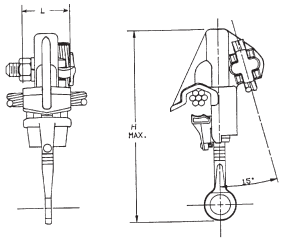


FIGURE 1

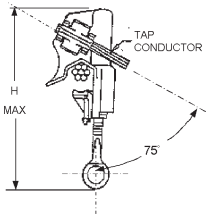


FIGURE 2

DC 1

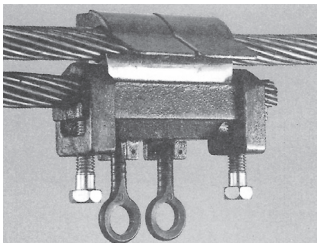
Product Data & Conductor Size

CATALOG NUMBER	MAIN LINE	TAP	FIG. NO.	PLATING	CONDUCTOR RANGE (AWG OR KCMIL) MAIN AAC		MAIN ACSR		TAP AAC/CU	TAP ACSR	DIMENSIONS INCHES (MM) L	H	TAP NUT (ACROSS FLATS)	APPROX. WT. EACH LBS. (KG).
*S1520AA	AL	AL	1	None	#8 – 2/0 Str.	n/a	#8 – 1/0	n/a	#8 Sol. – 2/0 Str.	#8 – 1/0	1.0 (25.4)	5.25 (133)	9/16 (14.3)	0.4 (0.18)
*S1520AGP	AL	AL/CU	1	Tin plated	---0.128 - 0.414--- (3.25 - 10.54)									
AH4** (#)	AL	AL	1	None	#6 Sol. – 600	#6 Str. – 3/0 Str.	#8 – 556.5 (18/1)	#6 – 3/0	#6 Sol. – 266.8	#8 – 4/0	1.75 (44)	7.75 (196)	9/16 (14.3)	0.8 (0.36)
AH4GP** (#)	AL	AL/CU	1	Tin plated	--- 0.157 - 0.905 --- (4.00 - 23.03)				--- 0.157 - 0.593 --- (4.00 - 15.07)					
*S1530AA (#)	AL	AL	2	None	#6 Sol – 400	#6 Str. – 2/0 Str.	#6 – 397.5 (18/1)	#4 – 1/0	#6 Sol. – 4/0 Str.	#6 – 3/0	1.75 (44)	7.13 (181)	11/16 (17.5)	0.64 (0.29)
*S1530AC (#)	AL	CU	2	AC Trans+										
*S1530AGP	AL	AL/CU	2	Tin plated	--- 0.162 - 0.745 --- (4.12 - 18.96)				---0.162 - 0.547--- (4.12 - 13.92)				3/4 (19)	
*S1534AGP	AL	AL/CU	2	Tin plated										
*S1535AA	AL	AL	3	None	#3 Str. – 477	#4 – 3/0 Str.	#4 – 397.5	#4 – 2/0	#4 Str. – 477	#8 – 397.5	1.50 (38)	7.75 (196)	3/4 (19)	0.88 (0.40)
*S1535AGP	AL	AL/CU	3	Tin plated	--- 0.250 - 0.806 --- (6.36 - 20.51)				---0.204 - 0.806--- (5.19 - 20.51)					
*S1540AC (#)	AL	CU	2	AC Trans+	4/0 Str. – 800	#4 Str. – 4/0	3/0 (6/1) – 636 (30/19)	#4 – 266.8	#4 Sol. – 350	#6 – 266.8	1.81 (46)	7.31 (186)	3/4 (19)	0.98 (0.45)
*S1540AGP	AL	AL/CU	2	Tin plated	--- 0.502 - 1.031 --- (12.78 - 26.24)				---0.198 - 0.703--- (5.03 - 17.89)					
AH7** (#)	AL	AL	2	None	4/0 Str. – 800	#4 Str.- 4/0	3/0 (6/1) – 636 (30/19)	#4 – 266.8	#4 Sol. – 350	#6 – 266.8	1.81 (46)	7.31 (186)	3/4 (19)	0.98 (0.45)
AH7GP** (#)	AL	AL/CU	2	Tin plated	--- 0.502 - 1.031 --- (12.78 - 26.24)				---0.198 - 0.703--- (5.03 - 17.89)					
*S1545AA	AL	AL	2	None	700 Str. – 1500	266.8 – 715.5	556.5 (30/7) – 1510 45/7	266.8 – 556.5	#4 Sol. – 300	#6 – 266.8	2.19 (56)	9.63 (245)	3/4 (19)	1.35 (0.61)
*S1545AGP	AL	AL/CU	2	Tin plated	--- 0.939 - 1.490 --- (23.90 - 37.92)				---0.198 - 0.703--- (5.03 - 17.89)					

** Replace Prefix "S" with "P" for factory greased and bagged part (i.e. P1534AGP).*
***Add "XB" Suffix for factory greased and bagged part (i.e. AH7GPXB).*
#RUS Listed
+ Aluminum/Copper bimetallic washer in eyebolt.

OVERHEAD PRIMARY TAPS
HOT LINE CONNECTORS
ALUMINUM

ALUMINUM
GA100

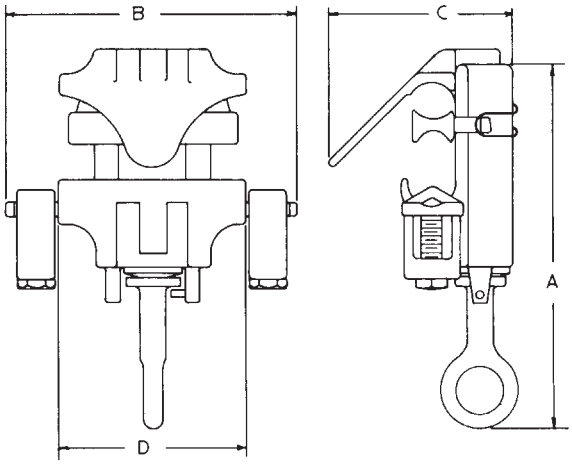


For Aluminum and ACSR conductor.

Designed for standard “hot stick” application.

- May be used for all standard hot line tap connections as well as full duty connections involving major line equipment and apparatus or main to main line joints
- Can be used for bimetal connections (Aluminum run to copper tap) with standard Fargolene inhibitor

Material: **Body and Keeper** – Aluminum Alloy
Spacer – Pure Soft Aluminum
Eyestem – Aluminum Alloy, Forged
Spring (on eyestem) – Stainless Steel Belleville



Product Data & Conductor Size

CATALOG NUMBER	CONDUCTOR SIZE								APPROX. DIMENSIONS INCHES				APPROX. WT. EACH LBS. (KG).
	RUN				TAP								
	MAX.		MIN.		MAX.		MIN.						
	ACSR	AL.	ACSR	AL.	ACSR	AL. OR CU.	ACSR	AL. OR CU.	A	B	C	D	
GA102L	1/0	2/0 Str.	6	6 Sol.	1/0	2/0 Str.	6	6 Sol.	5	3-7/8	2-1/4	2-1/8	.6 (.27)
GA103L	4/0	4/0 Str.	4	4 Sol.	4/0	4/0 Str.	4	4 Sol.	5-3/4	4-1/2	2-3/4	2-1/2	.88 (.39)
GA104L	4/0	4/0 Str.	4	2 Sol.	2/0	2/0 Str.	6	6 Sol.	5-3/4	4-1/2	2-3/4	2-1/2	.89 (.40)
GA105L	336,400	397,500	3/0	4/0 Str.	336,400	397,500	3/0	4/0 Str.	6	4-5/8	3	2-7/8	.96 (.43)
GA106L	397,500	477,000	3/0	4/0 Str.	4/0	266,800	6	6 Sol.	6	4-5/8	3	2-7/8	.96 (.43)
GA1064L	336,400	397,500	2	1 Str.	2/0	2/0 Str.	4	2 Sol.	6	4-5/8	3	2-7/8	.96 (.43)
GA107L	666,600	800,000	4/0	266,800	4/0	4/0 Str.	2	1 Str.	6-1/2	4-3/4	3-1/2	3-1/4	1.16 (.53)
GA1074L	477,000	636,000	266,800	336,400	336,400	350,000	4	2 Sol.	6-1/2	4-3/4	3-1/2	3-1/4	1.16 (.53)
GA108L	666,600	800,000	4/0	266,800	2/0	2/0 Str.	6	6 Sol.	6-1/2	4-3/4	3-1/2	3-1/4	1.18 (.54)
Two Bolt Hot Line Connector													
GA113L	477,000	600,000	4/0	4/0	477,000	600,000	4/0	4/0	6-1/2	5-7/8	3-1/2	4	2.25 (1.02)
GA115L	636,000	800,000	336,400	350,000	636,000	800,000	336,400	350,000	8-1/8	7-3/8	2-1/2	5-1/4	3.8 (1.7)

OVERHEAD PRIMARY TAPS
HOT LINE TAP CLAMPS
ALUMINUM

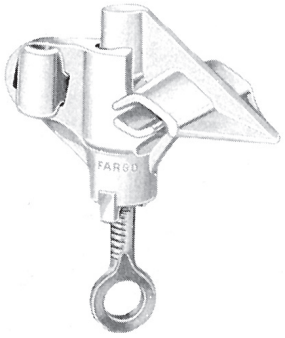
ALUMINUM
GH100A

For Aluminum and ACSR conductor.

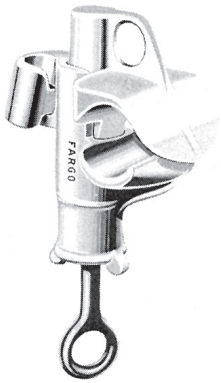
Designed for standard "hot stick" application.

Material: **Body and Keeper** – Aluminum Alloy
Eyebolt – Bronze – Tin Plated
Eyestem – Aluminum, Forged
Spring (on eyestem) – Stainless Steel

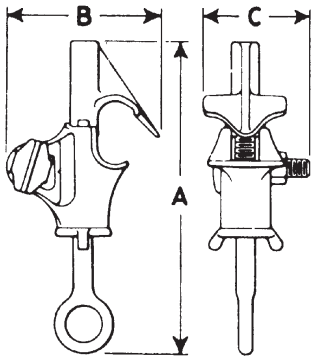
Note: Add "C" suffix for bi-metal washer to eye bolt, ex. GH102AC
Add "L" suffix for factory loaded inhibitor in main conductor groove, ex. GH102AL
Add "LBE" suffix for factory loaded inhibitor in main conductor and tap eyebolt, ex GH102ALBE



GH 102A



GH103A



Product Data & Conductor Size

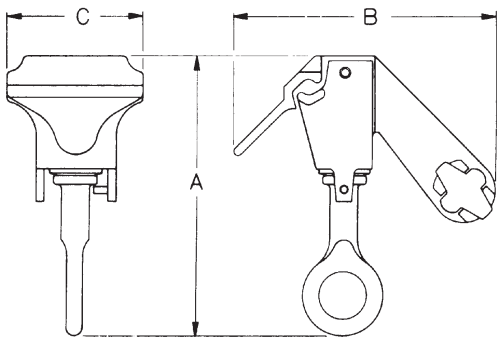
CATALOG NUMBER	TYPE CONNECTION		RUN CONDUCTOR SIZE			TAP CONDUCTOR SIZE			APPROX. DIMENSIONS INCHES		
	RUN	TAP	DIA. IN.	MAX.	MIN.	DIA. IN.	MAX.	MIN.	A	B	C
GH102A** *GH102AC**	Al.	Al/Cu. Cu.	1.075 to .490	795 Al.	4/0 Str. Al.	.610 to .152	250 Al/Cu.	6 Sol. Al/Cu.	7-1/4	4-3/8	2-5/8
GH103A *GH103AC	Al.	Al/Cu. Cu.	1.795 to .980	2,000 Al.	666.6 ACSR	.610 to .152	250 Al/Cu.	6 Sol. Al/Cu.	9	4-1/2	2-5/8

Note: All above have aluminum body, forged aluminum eye bolt and plated bronze tap bolt, except, GH103A have cast bronze eye stem.

**All "AC" clamps have a bimetal spacer on tap bolt. For use with copper tap conductor.*
***RUS Listed*

ALUM/BRONZE
GH200A

OVERHEAD PRIMARY TAPS
HOT LINE TAP CLAMPS
HOT LINE TAPS FOR MOUNTING CURRENT LIMITING FUSES ALUMINUM



GH201 Series Hot Line Taps are specifically designed to mount current limiting fuses directly on the line conductor eliminating the need for increased pole height to maintain adequate clearances.

- Fuse replacement can be readily accomplished using standard hot stick techniques
- Accommodates either spade or pin terminals of current limiting fuses as well as conventional solid or stranded tap conductors
- Tap position is located to provide adequate room for installation tools as well as vertical fuse alignment.Permanent contact pressure is maintained by the use of a heavy duty stainless steel Belleville spring. Long "duck-bill" provides a guide for easy initial contact with run conductor
- Forged eyebolts provide consistent strength and uniform expansion under loading conditions

Material: **Body and Keeper 201** – Bronze
Body and Keeper 201A – Aluminum Alloy
Eyebolt – Bronze – Tin Plated
Eyestem – Bronze Alloy, Forged
Spring (on eyestem) – Stainless Steel Belleville

Note: Add "L" suffix for factory loaded inhibitor in main conductor groove, ex. GH201AL
Add "LBE" suffix for factory loaded inhibitor in main conductor and tap eyebolt, ex GH201ALBE

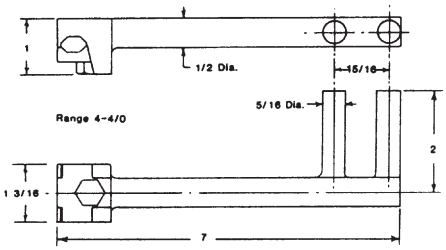
Product Data & Conductor Size

BRONZE

CATALOG NUMBER	RANGE		APPROX. DIMENSIONS INCHES			APPROX. WT. EACH LBS. (KG.)
	RUN	TAP	A	B	C	
GH201L**	#4 Str. – 2/0 Str. Copper	#6 Sol.-2/0 Str. Or C.L. Fuse Spade/Pin Terminal	4-1/4	4-1/8	1-3/4	.82 (.37)
ALUMINUM						
GH202AL	795-4/0 AL	#8 Sol. – 2/0 Str. Or C.L. Fuse Spade/Pin Terminal	5-1/4	5-1/2	3	.80 (.36)

***RUS Listed*

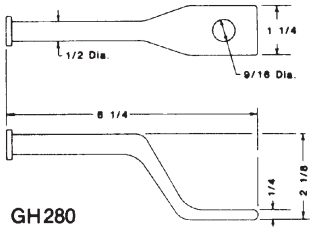
OVERHEAD PRIMARY TAPS AND STIRRUP POSTS ADDITIONAL ACCESSORIES ALUMINUM AND BRONZE



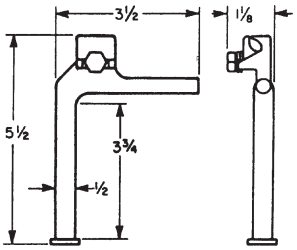
CE14

CE14 (Bronze)

GH280CX (BRONZE)

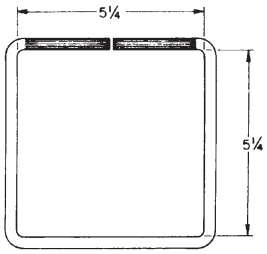


GH280



J3LS2 (Bronze)

GH282, GH284 AND GH286 (COPPER)



GH282	¼" Dia. Copper Rod
GH284	5/16" Dia. Copper Rod
GH286	⅜" Dia. Copper Rod

STIRRUP POSTS

Fargo stirrups are designed for ease of attachment of hot line taps or bypass clamps on various system components.

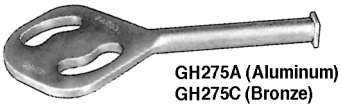
The use of stirrups protect the run conductor, and provide positive contact for hot line taps, recloser connections, and "pig tails."

These stirrups are applied on products such as cut-outs, riser pole disconnect switches and pad mounted switch gear and temporary-only for maintenance purposes, not for safety grounding applications.

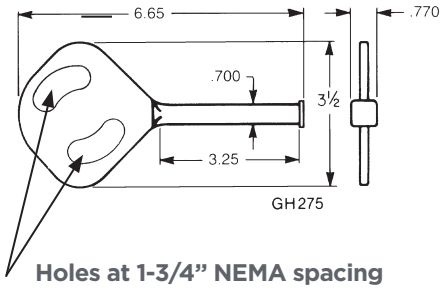
Cast from high strength aluminum or bronze the stirrup rod readily accepts standard hot line connectors or ground clamps. The shoulder "button" on the end prevents the clamps or connectors from slipping off during installation.

Where applicable, stirrup holes permit application on spades or terminals with Standard NEMA Spacing.

For Tin-Plated Bronze Stirrups add Suffix "P."



GH275A (Aluminum)
GH275C (Bronze)



Holes at 1-3/4" NEMA spacing

Not designed for Fault Current

* For 5.25"" post length add 525 suffix

OVERHEAD PRIMARY TAPS
HOT LINE TAP CLAMPS
BRONZE

BRONZE
BC/BH

DC 6

FIGURE 1

FIGURE 1A

FIGURE 2

FIGURE 3

For Copper conductor.

Designed for standard "hot stick" application.

Material: **Body and Keeper** – BC/BH—Brass Alloy
BC/BH—FTP—Brass Alloy
— Tin Plated
Eyebolt – Bronze Alloy
Eyestem – Bronze Alloy or Stainless Steel
Washer – BH—Silicon Bronze
BC/BH—FTP—Stainless Steel

1. BC20LD has a longer "DUCKBILL" for easier attachment to a stirrup bail or conductor.
2. For connector with inhibitor in main jaw and plastic bag, add suffix "XB" to catalog number.

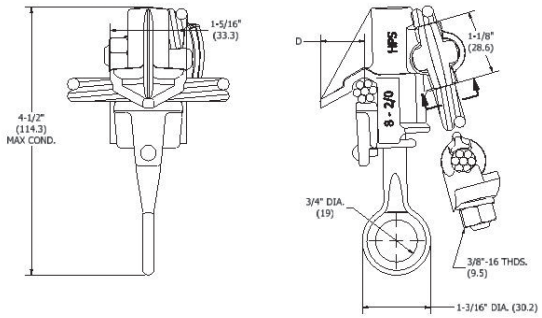


FIGURE 1 & 1A (BC & BC-LD)

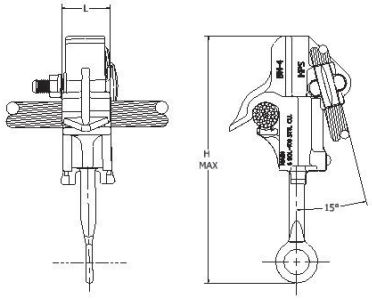


FIGURE 2 (BH)

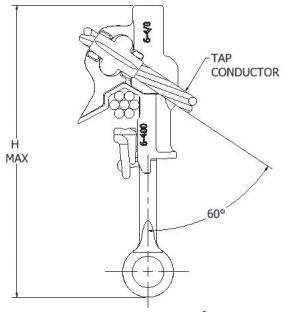


FIGURE 3 (S1530CC/S1540CC)

Product Data & Conductor Size

CATALOG NUMBER	MAIN LINE	TAP	FIG. NO.	PLATING	PACKAG-ING	CONDUCTOR RANGE (AWG OR KCMIL) MAIN	CONDUCTOR RANGE (AWG OR KCMIL) TAP	DIMENSIONS INCHES (MM) D	DIMENSIONS INCHES (MM) L	DIMENSIONS INCHES (MM) H	AP-PROX. WT. EACH LBS. (KG).
BC20**	CU	CU	1	None	Box	#8 Sol – 2/0 Str. .128"-.419" (3.25 - 10.64)	#8 Sol – 2/0 Str. .128"-.414" (3.25 - 10.51)	.78 (19.81)	1-1/4 (31.7)	5.0 (127.0)	0.7 (.32)
BC20XB**	CU	CU		None	Inhib & Bag						
BC20FTP	CU	CU		Tin plated	Box						
BC20FTPXB	CU	CU		Tin plated	Inhib & Bag			1.5 (38.1)			
BC20LD	CU	CU	1A	None	Box						
BC20LDXB	CU	CU		None	Inhib & Bag						
BC20LDFTP	CU	CU		Tin Plated	Box						
BC20LDFTPXB	CU	CU		Tin Plated	Inhib & Bag						
BH4	CU	CU	2	None	Box	#6 Sol – 400mcm .162" - .745" (4.12 - 18.96)	#6 Sol – 4/0 Str. .162" - .547" (4.12 - 13.89)	-	1-3/8 (34.92)	6-3/4 (171.45)	1.71 (.78)
BH4XB	CU	CU		None	Inhib & Bag						
BH4FTP	CU	CU		Tin plated	Box						
BH4FTPXB	CU	CU		Tin plated	Inhib & Bag						
*S1530CC	CU	CU	3	None	Box	#6 Sol – 400mcm .162" - .745" (4.12 - 18.96)	#6 Sol – 4/0 Str. .162" - .547" (4.12 - 13.89)		1-3/8 (34.92)	6-3/4 (171.45)	1.59 (.72)
*S1530GP	CU	CU		Tin plated	Box						
*S1540CC	CU	CU		None	Box	4/0 Str. - 800mcm .502" - 1.031" (12.78 - 26.24)	#4 Sol – 350mcm .198" - .703" (5.04 - 17.98)		1-7/8 (48)	8-1/4 (210)	2.03 (.92)
*S1540GP	CU	CU		Tin plated	Box						

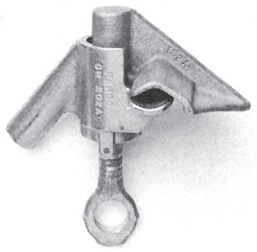
**For factory grease, replace "S" prefix with "P".*
***RUS Listed*

OVERHEAD PRIMARY TAPS
LIGHTNING ARRESTER ACCESSORIES
ALUMINUM AND BRONZE

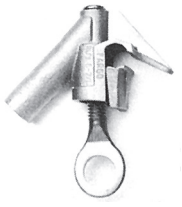
ALUM/BRONZE
GH200/GO370

The arrester line connectors allow installation of lightning arrester directly on the line, which conserves pole space and the cost of mounting hardware.

- GH201D (bronze) and GH202AD (aluminum) versions are designed to accommodate the stud of the arrester in the rear extension of the connector.
- GO370 series Bronze Arrester Connectors thread onto the stud of an arrester. Side loading feature provides flexibility in application. Hot stick feature allows for change out of an arrester without interruption of service.
- This connector is intended primarily for bottom termination of lightning arresters to ground. May also be employed on top connections.
- GS580 Wildlife Protector is designed to be mounted on the top of a lightning arrester, and accommodates any of the GO370 series arrester connections. Hinged design allows easy access to connector. Track resistant polypropylene with ultraviolet inhibitors.



GH202AD



GH201D

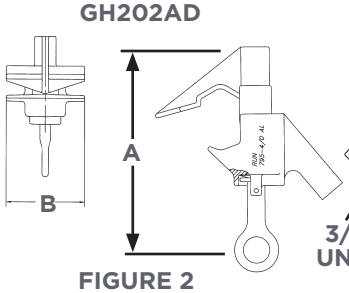


FIGURE 2

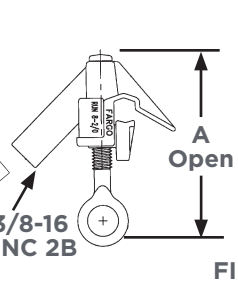
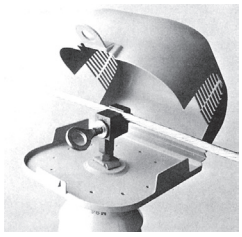
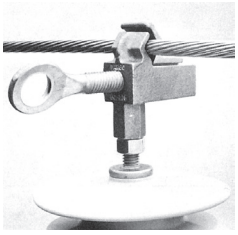


FIGURE 1

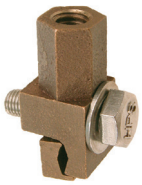
Material:
Body and Keeper GH201D & GO300 Series – Bronze
Body and Keeper 202AD – Aluminum Alloy
Eyestem 201D – Bronze Alloy, Forged
Eyestem 202AD – Aluminum Alloy, Forged
Spring (on eyestem) – Stainless Steel Belleville

Note:
Add "P" suffix for tin plating, ex GH201DP
Add "L" suffix for factory loaded inhibitor in main conductor groove, ex. GH201DPL

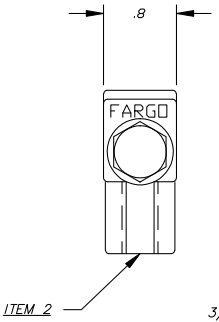




GO370 SERIES



GC207LA



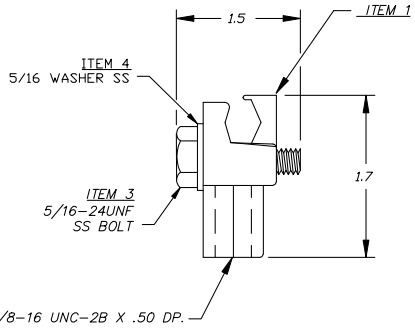


FIGURE 4

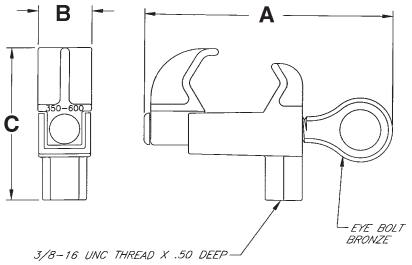


FIGURE 3

See also: Page DD-10 GC207LA & LAT

Product Data & Conductor Size

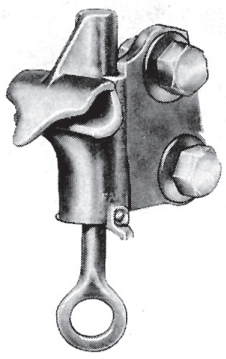
CATALOG NUMBER	MAIN LINE	FIG. NO.	PLATING	CONDUCTOR RANGE			DIMENSIONS INCHES (MM)			APPROX. WT. EACH LBS. (KG).
				PACKAG-ING	COPPER	ALUMINUM	A	B	C	
GH201D	CU	1	None	Box	#8 Sol – 2/0 Str.	n/a	4 (102)	1 (25)	n/a	.74 (.34)
GH202AD	AL	2	None	Box	n/a	4/0 – 795 AAC .522 – 1.028	6.5 (165)	1.5 (38)	n/a	.72 (.33)
GH202ADL	AL/CU	2	None	Box	4/0 Str. - 750		6.5 (165)	1.5 (38)	n/a	.72 (.33)
GO375	CU	3	None	Box	#6 – 1/0 Str .184 - .373	n/a	3.9 (99)	0.9 (23)	1.9 (48)	.48 (.22)
GO375P	CU	3	Tin plated	Box			3.9 (99)	0.9 (23)	1.9 (48)	.50 (.23)
GO376	CU	3	None	Box	2/0 – 350 Str. .414 - .710		4.3 (109)	0.9 (23)	2.3 (59)	.59 (.27)
GO376P	CU	3	Tin plated	Box			4.3 (109)	0.9 (23)	2.3 (59)	.60 (.27)
GC207LA	CU	4	None	Box	#6 Sol-1/0 Str.		1.25 (32)	0.75 (19)	1.77 (48)	.22 (.99)

OVERHEAD PRIMARY TAPS
HOT LINE CONNECTORS TWO HOLE PAD
BRONZE AND ALUMINUM

BRONZE

BHF/AHF

FIGURE 1



GH1010

FIGURE 2

- Wide body contact area and two hole pad tap provide high current transfer for jumper or hot line clamp application.
- BHF – Bronze protected thread hot line clamp with two hole NEMA pad. Designed for copper main to copper flat pad tap.
- AHF – Aluminum protected thread hot line clamp with two hole NEMA pad. Designed for aluminum main to aluminum flat pad tap.

Material: Casting — **BHF/GH1010** – Bronze Alloy
BHF—FTP – Bronze Tin Plated
AHF – Aluminum Alloy
Spring (on eyestem) – Stainless Steel
Eyestem – Bronze

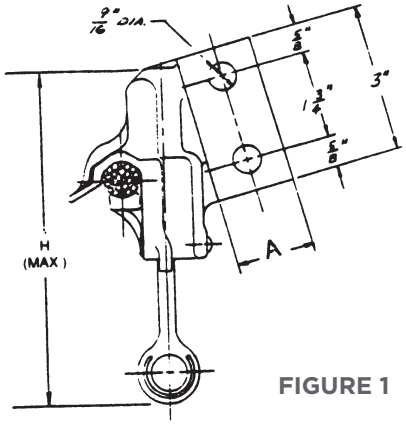


FIGURE 1

Product Data & Conductor Size

CATALOG NUMBER	FIG. NO.	CONDUCTOR RANGE (KCML)		DIMENSIONS INCHES (MM)			APPROX. WT. EACH LBS. (KG)
		MAIN	MATERIAL	A	MAIN CONTACT WIDTH	H	
BHF500B2	1	6 Sol. - 500 Str. CU .162" - .813"	Bronze	1.5 (36.75)	1.375 (35.0)	6.75 (171.4)	1.66 (.75)
GH1010	2	6 Sol – 400 CU .160 - .730	Bronze	-	1.375 (35.0)	5.125 (130.25)	1.52 (.69)

OVERHEAD PRIMARY TAPS
STIRRUP CLAMPS
ALUMINUM

ALUMINUM
AHLS

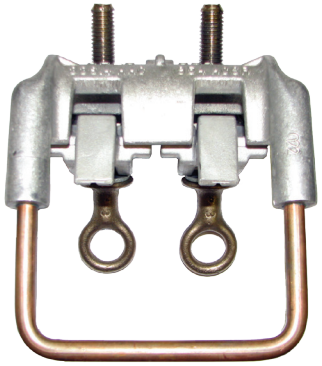
For aluminum or ACSR conductor.

Eyestem is at 30º angle from the stirrup.

Material: **Body** – Aluminum Alloy
Eyestem – Bronze Alloy—Tin Plated or Stainless Steel
Stirrup – Copper-un-plated

Notes: Tin plated stirrup available by adding suffix "TB" to catalog number. Examples, AHLS022016ETB, AHLS954022EWBTB

Factory inhibited and bagged, add "XB"



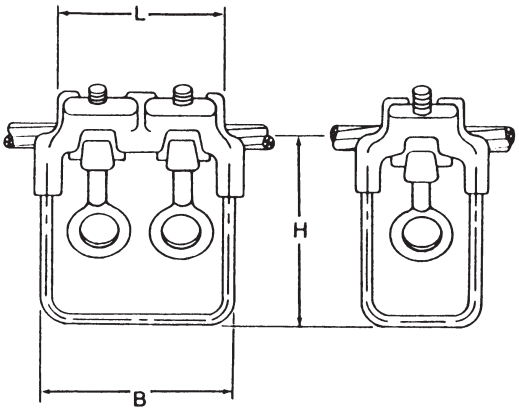


FIGURE 1

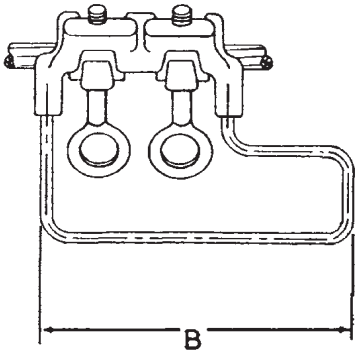


FIGURE 2

FIGURE 3

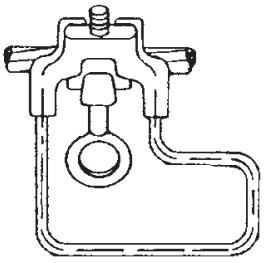


FIGURE 4

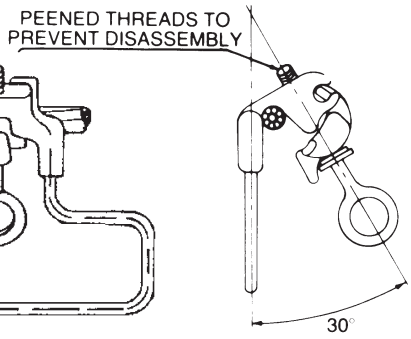


FIGURE 5

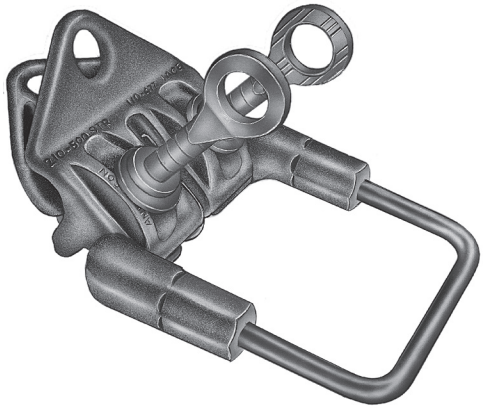
Product Data & Conductor Size

CATALOG NUMBER	FIGURE NO.	CONDUCTOR RANGE (AWG OR MCM)		COPPER LOOP SIZE (INCHES)	BOLTS		DIMENSIONS INCHES (MM)			APPROX. WT. EACH LBS. (KG)
		AAC	ACSR		NO.	SIZE	L	B	H	
AHLS022016E	2 & 5	#6 Sol.-2/0 Str.	#8-2/0 Str.	#4 (.204)	1	3/8 (9.52)	1-13/16 (46.04)	2-3/8 (60.32)	4-1/32 (102.39)	.53 (.24)
AHLS022019E	2 & 5	#6 Sol.-2/0 Str.	#8-2/0 Str.	#1 (.289)	1	3/8 (9.52)	1-13/16 (46.04)	2-3/8 (60.32)	4-3/16 (106.36)	.67 (.30)
AHLS022019EWB	4 & 5							4-1/2 (114.3)	5-1/16 (128.59)	.71 (.32)
AHLS024019E	1 & 5	#2-4/0 Str.	#4-4/0 Str.	#1 (.289)	2	3/8 (9.52)	3-1/2 (88.9)	4 (101.6)	4-1/16 (103.19)	1.19 (.54)
AHLS024021E	1 & 5	#2-4/0 Str.	#4-4/0 Str.	1/0 (.325)	2	3/8 (9.52)	3-1/2 (88.9)	4 (101.6)	4-1/32 (103.19)	1.25 (.57)
AHLS024021EWB	3 & 5							6 (152.4)	4-29/32 (124.62)	1.29 (.59)
AHLS397021E	1 & 5	1/0-500 MCM	1/0-397.5 MCM	1/0 (.325)	2	7/16 (11.18)	3-11/16 (93.66)	4 (101.6)	4-3/32 (103.99)	1.56 (.71)
AHLS397022E	1 & 5	1/0-500 MCM	1/0-397.5 MCM	2/0 (.365)	2	7/16 (11.18)	3-11/16 (93.66)	4 (101.6)	4-3/32 (103.99)	1.65 (.75)
AHLS397022EWB	3 & 5							6 (152.4)	4-31/32 (126.21)	1.91 (.87)
AHLS954022E	1 & 5	336.4-1033.5 MCM	336.4-954 MCM	2/0 (.365)	2	1/2 (12.7)	4-1/4 (107.95)	4-1/2 (114.3)	4-3/16 (106.36)	2.30 (1.04)
AHLS954022EWB	3 & 5							6 (152.4)	5-1/16 (128.59	2.41 (1.09)
AHLS954024E	1 & 5	336.4-1033.5 MCM	336.4-954 MCM	4/0 (.460)	2	1/2 (12.7)	4-1/4 (107.95)	4-1/2 (114.3)	4-3/16 (106.36)	2.49 (1.13)

ALUMINUM

ESC

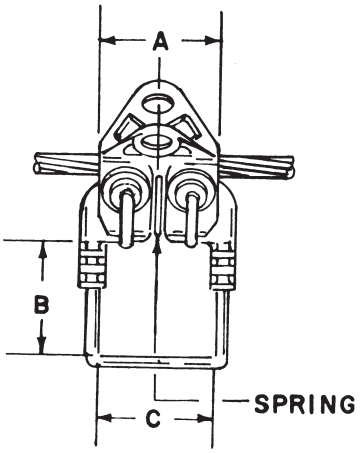
OVERHEAD PRIMARY TAPS
SPRING LOADED "LINE SNAPPER"
STIRRUP CLAMPS
ALUMINUM

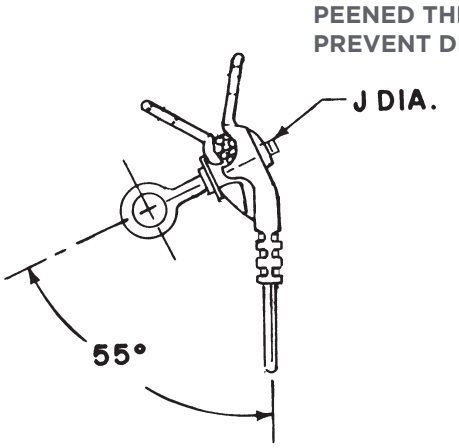


- Two bolt stirrups have clip type springs to apply moderate pressure on the jaws as they are pushed onto the line. This pressure is enough to allow the assembly to support its own weight on the line while one of the eyestems is snugged down.
- Lifting eyes are provided on both jaws and eyestems are standard.
- The angular relationship between stirrup and tightening bolts is an easy approach position for making installation leaving the stirrup hanging straight down.

Material: **Castings** – Aluminum Alloy
Stirrups – Copper Rod—Tin Plated
Eyestems – Bronze Alloy Tin Plated or Stainless Steel
Spring – Stainless Steel

Note: Factory inhibited and bagged, add "XB"





Product Data & Conductor Size

CATALOG NUMBER	MAIN CONDUCTOR RANGE	STIRRUP NOM. WIRE SIZE	DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
			A	B	C	J	
ESC202	6 Sol.-2/0 Str. #6 ACSR-2/0 ACSR .162"-.447" O.D.	2 Sol.	3-3/8 (85.8)	3-1/4 (82.5)	4 (101.6)	3/8 (9.6)	140 (63)
ESC50020	2/0 Str.-500 Str. 1/0 ACSR-477(18/1)ACSR .398"-.814" O.D	2/0 Sol.	4 (101.6)	3-1/2 (88.9)	4-1/2 (114.3)	1/2 (12.7)	247 (112)

OVERHEAD PRIMARY TAPS
WIDE JAW STIRRUP CLAMPS
ALUMINUM AND BRONZE

ALUM/BRONZE
HLSA/HLSB

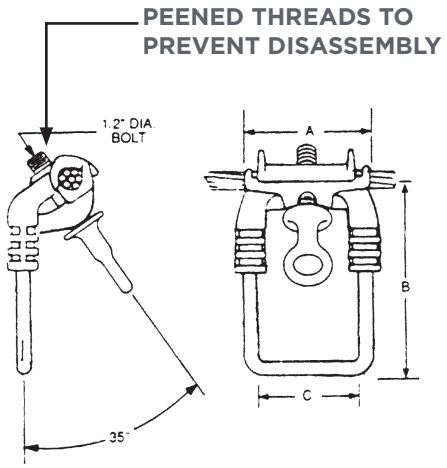
- Heavy duty wide range stirrup clamp covers a broad cable range. One eyestem with long contact keeper provides easy installation.
- HLSA aluminum body designed for use on aluminum main.

Material: **Castings** – Aluminum Alloy
Stirrup – Un-plated Copper
Eyestem – Bronze Alloy Tin Plated

- HLSB bronze body designed for use on copper main.

Material: **Castings** – Bronze Alloy
Stirrup – Un-plated Copper
Eyestem – Bronze Alloy Tin Plated

Note: Factory inhibited and bagged, add "XB".

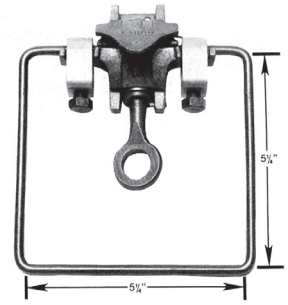


Product Data & Conductor Size

CATALOG NUMBER	MAIN LINE CONDUCTOR RANGE	MATERIAL	STIRRUP NOM. WIRE SIZE	DIMENSIONS INCHES (MM)			APPROX. WT. 100 LBS. (KG)
				A	B	C	
HLSA4002	6 Sol. - 400 Str. #6 ACSR - 397.5 (18/1) ACSR .162" - .743" O.D.	Aluminum	2 Sol. (.258)	3-1/8 (79.4)	3-3/8 (85.8)	2-3/4 (69.8)	116 (52)
HLSA40010			1/0 Sol. (.365)				136 (62)
HLSB4002	6 Sol. - 400 Str. Cu. .162" - .728" O.D.	Bronze	2 Sol. (.258)	3-1/8 (79.4)	3-3/8 (85.8)	2-3/4 (69.8)	220 (99.8)

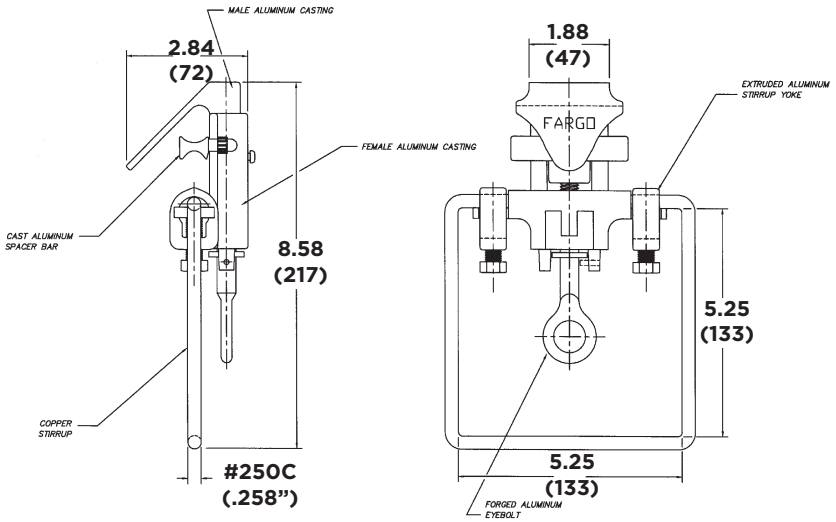
OVERHEAD PRIMARY TAPS
STIRRUP CONNECTOR
ALUMINUM

ALUMINUM
GA100SL



- GA100S Series Hot Line Stirrup Connector provides a convenient method to install tap connections which must be removed and re-installed frequently.
- Easily installed with standard Hot Stick equipment, and are recommended for uses on aluminum or ACSR run conductors in conjunction with a bronze hot line tap on the stirrup bail.
- Long term performance is assured by the field proven design incorporating, a large connector mass, vise-type interlocking components, and a short low resistance current transfer through a soft, pure aluminum spacer.
- The #2 Sol. hard drawn copper stirrup is positioned for adequate clearance. Additional stirrup sizes are available. Factory loaded with inhibitor

Material: **Body Casting** – Aluminum Alloy
Eyestem – Forged Aluminum



Product Data & Conductor Size

CATALOG NUMBER	COPPER LOOP SIZE IN (MM)	CONDUCTOR RANGE (AWG OR KCMIL)	APPROX. WT. EACH LBS. (KG)
GA102S*L	#2 Sol. (.258)	#6 Sol. - #2/0 ACSR	.96 (.44)
GA104S*L	#2 Sol. (.258)	#4 ACSR - #4/0 ACSR	1.24 (.56)
GA106S*L	#2 Sol. (.258)	#2/0 ACSR – 397.5 ACSR	1.32 (.60)
GA108S*L	#2 Sol. (.258)	#4/0 ACSR – 954 ACSR	1.44 (.65)

**For 2/0 Sol Stirrup Add Suffix "6" (e.g. GA108S6L)*
For Plated Stirrup Add Suffix "P"
Suffix "L" indicates Inhibitor Protected as Standard.

OVERHEAD PRIMARY TAPS
STIRRUP CLAMPS
ALUMINUM

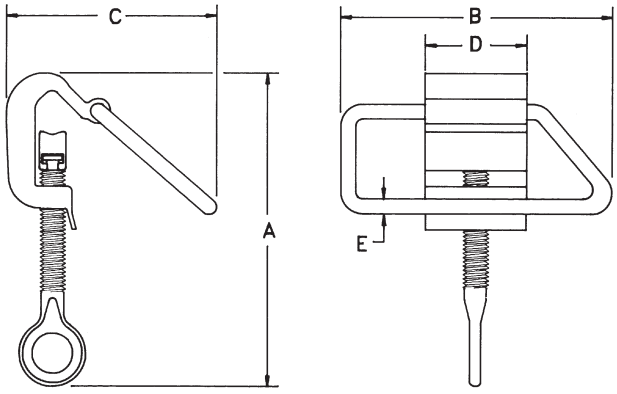
ALUMINUM
GH280AL

GH280AL Series Aluminum Stirrup Clamps provide a convenient method of making copper connections and taps to ACSR, AAC and AAAC where connections are frequently installed and removed.

- Wide bail configuration provides easy installation for one or two hot-line taps.
- High-strength aluminum alloy body and pressure pad form permanent connection with low contact resistance.
- Forged aluminum eye bolt assures consistency of strength along with compatible thermal expansion/contraction characteristics and corrosion resistance.
- Serrated conductor groove prevents rotation on run conductor.
- Modified parabolic V-groove design encircles the run conductor maximizing contact area and ensuring efficient current transfer.
- Wrought aluminum alloy body provides elongation characteristics for consistent compression to copper stirrup.
- Crimped copper stirrup provides high conductivity to maintain low operating temperature.
- Meets or exceeds all ANSI-C119.4 Class A current cycle requirements.
- Factory inhibited and bagged

GH282AL

Material: **Body & Pad** – Extruded Aluminum
Stirrup – Copper
Eyestem – Forged Aluminum

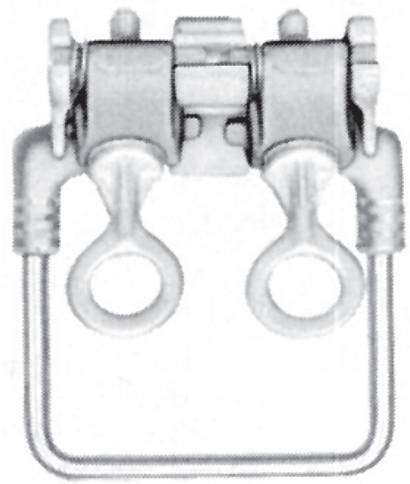


Product Data & Conductor Size

CATALOG NUMBER	RANGE		APPROX. DIMENSIONS INCHES					APPROX. WT. EACH LBS. (KG)
	CONDUCTOR (AWG OR KCMIL)	O.D.	A	B	C	D	E	
GH282AL	4-4/0 ACSR	.250 - .563 in. 6.4 – 14.3 mm	5-1/4	4-1/2	3-1/2	1-3/4	1/4	.64(.29)
GH284AL	1/0 397.5 ACSR	.398 - .806 in. 10.1 – 20.5 mm	6	5-1/2	4	2-7/16	3/8	1.16(.53)
GH286AL	4/0 ACSR – 795 ACSR	.563 – 1.081 in. 14.3 – 27.4 mm	6-1/2	5-1/2	4-3/8	2-7/16	3/8	1.32(.60)

OVERHEAD PRIMARY TAPS
BOLTED STIRRUP CLAMPS
BRONZE

BRONZE
BHLS



For copper conductor.

Eyestem is at 30º angle from the stirrup.

Material: **Body** – Bronze Alloy
Stirrup – Copper-un-plated
Eyestem – Bronze alloy or Stainless Steel

Note: Tin plated loop available by adding suffix "TB" to catalog number. Example, BHLS025019ETB.

Factory inhibited and bagged, add "XB"

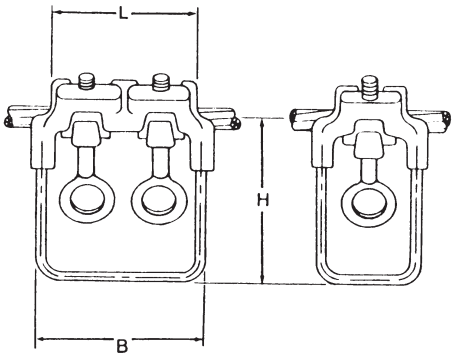


FIGURE 1

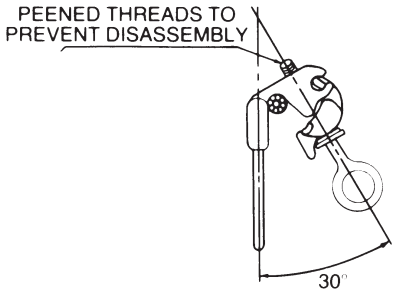


FIGURE 2

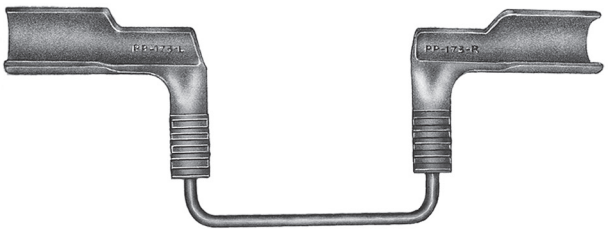
Product Data & Conductor Size

CATALOG NUMBER	FIGURE NO.	COPPER CONDUCTOR RANGE (AWG OR MCM)	COPPER LOOP SIZE	BOLTS		DIMENSIONS INCHES (MM)			APPROX. WT. 100 LBS. (KG)
				NO.	SIZE	L	B	H	
BHLS022016E	2 & 3	#6 Sol.-2/0 Str.	#4 (.204)	1	3/8 (9.52)	1-13/16 (46.04)	2-3/8 (60.32)	4-3/16 (106.36)	1.06 (.48)
BHLS022019E	2 & 3	#6 Sol.-2/0 Str.	#1 (.289)	1	3/8 (9.52)	1-13/16 (46.04)	2-3/8 (60.32)	4-3/16 (106.36)	1.06 (.48)
BHLS025019E	1 & 3	#1 Sol.-250 MCM	#1 (.289)	2	3/8 (9.52)	3-1/2 (88.9)	4 (101.6)	4-1/16 (103.19)	1.71 (.77)
BHLS050022E	1 & 3	4/0-500 MCM	2/0 (.365)	2	7/16 (11.2)	3-11/16 (93.66)	4 (101.6)	4-3/16 (106.36)	2.70 (1.22)

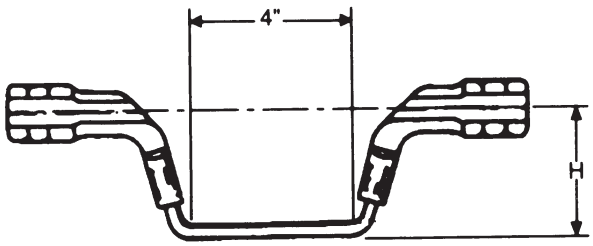
HEAVY DUTY COMPRESSION STIRRUP TYPE HLS

ALUMINUM
HLS

- For use with Versa-Crimp® or standard compression tools.
- Stirrups protect primary lines from arcing damage by allowing hot line clamp connections to be made without contacting the main line. The HLS design offers convenient installation because it can be lifted and placed on the line using the crimping tool jaws as a holding device.
- Wide stance of crimping segments gives good stability when striking bail with a hot line clamp. All sizes have side opening line slots.
- Stirrups can be used on either aluminum or copper lines. Contact grooves are prefilled with electrical joint compound. Individually packaged in poly bags to prevent contamination.



Material: **Castings** – Aluminum Alloy
Stirrup – Copper Rod—Tin Plated



Product Data & Conductor Size

CATALOG NUMBER	CONDUCTOR RANGE (AL OR CU)			STIRRUP WIRE SIZE	CRIMP DIE SIZES	H INCHES (MM)	APPROX. WT. EACH LBS. (KG)
	AWG & KCMIL	ACSR	DIAMETER (INCHES)				
HLS42P	6 Sol.-4 Str.	6	.162-.236	2 Sol.	Burndy Kearney Etc. "O" Die	3.25 (82)	50 (22.7)
HLS22P	2 Sol.-2 Str.	4-2	.250-.325				
HLS102P	1/0 Str.	1-1/0	.355-.398				
HLS302P	2/0 & 3/0 Str.	2/0-3/0	.414-.517	2 Sol.	EEI-13A Burndy 316,655 & 705 Kearney 1-1/8	3.25 (82)	60 (27.2)
HLS2662P	4/0-266 Str.	4/0-266 18/1	.522-.609				
HLS3502P	336-350 Str.	266-26/7 336-18/1 336-26/7	.607-.721				
HLS35020P				2/0 Sol.			81 (36.7)
HLS50010P	397.5-500 Str.	397.5-18/1 397.5-36/1 477-18/1 477-36/1	.720-.814	1/0 Sol.	Kearney 1-5/16	3.75 (95)	82 (37.2)
HLS50020P				2/0 Sol.			91 (41.3)
HLS65010P	500-650 Str.	477-18/1 556-18/1 636-36/1	.811-.930	1/0 Sol.	Kearney 1-1/2	3.75 (95)	95 (43.1)
HLS65020P				2/0 Sol.			105 (47.6)
HLS80010P	700-800 Str.	636-18/1 636-36/1 666.6-36/1 795-36/1	.930-1.040	1/0 Sol.	Kearney 1-1/2	3.75 (95)	92 (41.7)
HLS80020P				2/0 Sol.			102 (46.3)
HLS80040P				4/0 Sol.			122 (55.3)

VERSA-CRIMP® ALUMINUM COMPRESSION STIRRUP TAP TYPE VCLS

ALUMINUM
VCLS

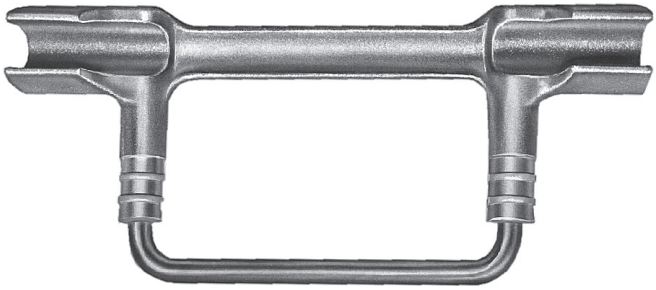
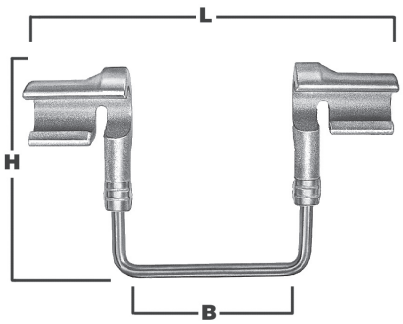


FIGURE 1

- For use with VERSA-CRIMP® Type VC6 (all) tools only.

Material: **Body** – Aluminum Alloy
Stirrup – Un-plated Copper
Factory inhibited (See notes below)



Product Data & Conductor Size

CATALOG NUMBER	FIGURE NO.	CONDUCTOR RANGE			LOOP SIZE	VERSA-CRIMP TOOL TYPE	DIMENSIONS INCHES (MM)			APPROX. WT. EACH LBS. (KG)
		AAC	ACSR	COPPER			L	B	H	
VCLS3018	1	#6 (7)—#2(19)	#6 (6/1)—#2 (7/1)	#6 Sol.-#2 (7)	#2 Sol.	VC6 (ALL)	8-5/8 (219.1)	4 (101.6)	3-7/16 (87.3)	.44 (.20)
*VCLS5018	1	#6 (7)—2/0 (19)	#6 (6/1)—2/0 (6/1)	—	#2 Sol.		7-7/8 (200.0)	4 (101.6)	3-7/16 (87.3)	.48 (.22)
*VCLS6021	1	#4 (7)—266.8 (19)	#4 (6/1)—4/0(6/1)	—	1/0 Sol.		8 (203.2)	4 (101.6)	3-1/2 (88.9)	.65 (.29)
VCLS9022	2	3/0 (7)—556.5 (19)	3/0 (6/1)—477 (30/7)	—	2/0 Sol.	VC6-3 VC6-FT	9-15/16 (252.41)	4-7/16 (112.7)	5-11/16 (144.5)	.80 (.36)

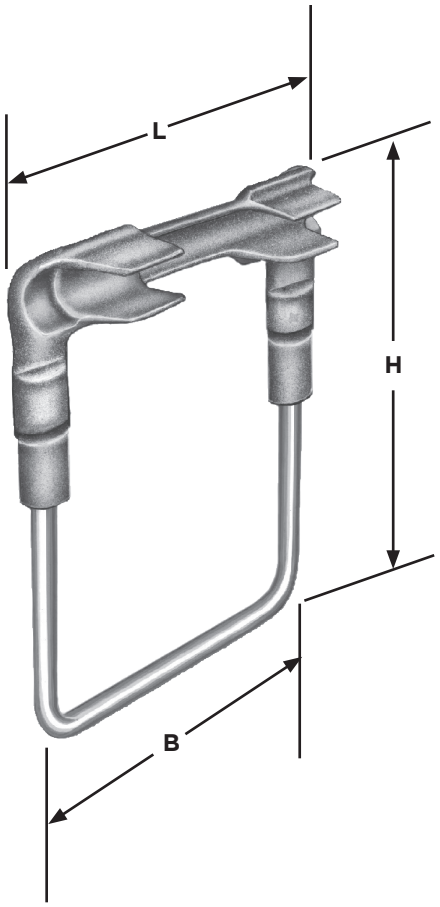
Note: Tin plated loop available by adding suffix "TB" to catalog number. Example, VCLS3018TB.
** For deep throated bail, add suffix "DB" to catalog number. Example, VCLS5018DB.*

OVERHEAD PRIMARY TAPS
COMPRESSION VERSA-CRIMP® COPPER
COMPRESSION STIRRUP TAP COPPER

COPPER
VCLSC

- For use with VERSA-CRIMP® Type VC6 nd VC7 series tools only.
- For copper conductor.

Material: **Body** – Cast Copper Alloy
Stirrup – Un-plated Copper

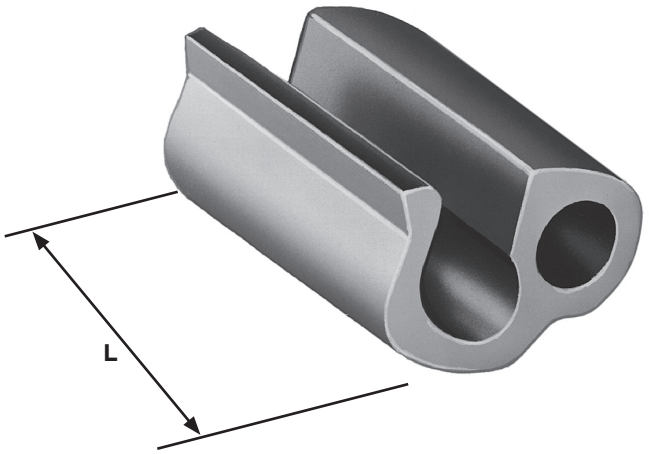


Product Data & Conductor Size

CATALOG NUMBER	COPPER CONDUCTOR RANGE	LOOP SIZE	VERSA-CRIMP TOOL TYPE	DIMENSIONS INCHES (MM)			APPROX. WT. EACH LBS. (KG)
				L	B	H	
VCLSC3018	#6.Sol.-#2/(7)	#2 Sol. Cu.	VC7 VC6 (ALL)	5-1/2 (139.7)	5 (127.0)	5-11/32 (17.46)	.80 (.36)
VCLSC5021	#2 Sol.-2/0 (19)	1/0 Sol. Cu.		5-9/16 (141.3)	5 (127.0)	5-15/16 (150.81)	.96 (.44)
VCLSC6022	1/0 (7)-4/0(19)	2/0 Sol. Cu.		5-9/16 (141.3)	5 (127.0)	6-15/16 (176.21)	1.20 (.54)

VERSA-CRIMP® ALUMINUM COMPRESSION TAP

ALUMINUM
VCP



- For use with VERSA-CRIMP® Type VC6 (all) tools, except VC6350 and VC6500.
- For aluminum to aluminum or aluminum to copper conductor taps.
- For AAC or ACSR loop deadending on slack span construction when installed in tandem.

Material: **Body** – Aluminum Alloy
Factory inhibited and packaged in individual boxes.

Product Data & Conductor Size

CATALOG NUMBER	CONDUCTOR RANGE (AWG)						VERSA-CRIMP TOOL TYPE	LENGTH INCHES (MM)	APPROX. WT. EACH LBS. (KG)
	MAIN			TAP					
	AAC	ACSR	COPPER	AAC	ACSR	COPPER			
VCP44	2/0 (19, 7) 1/0 (19, 7) #1 (19, 7) #2 (19, 7) #3 (7), #4 (7) #6 (7)	1/0 (6/1) #1 (6/1) #2 (7/1, 6/1) #4 (7/1, 6/1) #6 (6/1)	#2 (7/1) #4 (7/1) #6 (7/1)	1/0 (19,7) #1 (19,7) #2 (19,7) #3 (7) #4 (7) #6 (7)	1/0 (6/1) #1 (6/1) #2 (7/1 6/1) #4 (7/1,6/1) #6 (6/1)	#2 (7, 1) #4 (7, 1) #6 (7, 1)	VC6 (ALL) ΔΔ	1-7/8 (47.6)	.10 (.05)

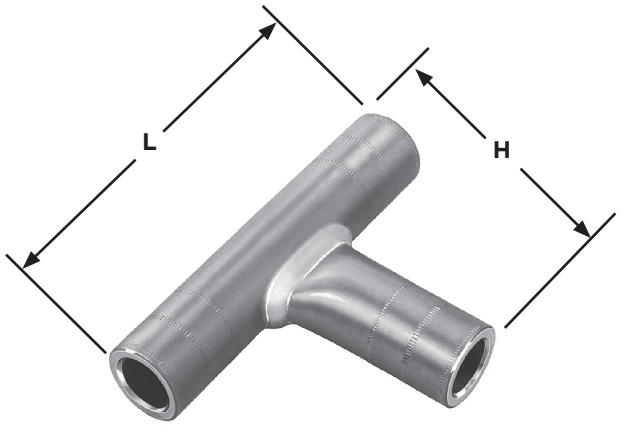
ΔΔ For use with all VERSA-CRIMP Type VC6 four (4) nib tool only.

VERSAtile™ ALUMINUM COMPRESSION TEE

ALUMINUM
VACT

- For use with VERSA-CRIMP® or conventional tooling.
- For aluminum to aluminum or aluminum to copper conductor tee combinations.
- Uses the same installation tools and dies as VACS and VACL.
- Color coded end plugs for easy die selection.

Material: **Aluminum Alloy** – Tin Plated
Factory inhibited



AL9CU (90°C Rated) LISTED 261L

Product Data & Conductor Size

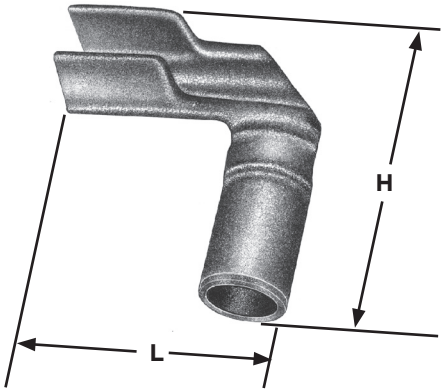
CATALOG NUMBER	ALUMINUM OR COPPER CONDUCTOR				VERSA-CRIMP TOOL TYPE	DIMENSIONS INCHES (MM)		APPROX. WT. EACH LBS. (KG)
	MAIN		TAP					
	CONVENTIONAL WIRE SIZE	VERSA-CRIMP SYSTEM RANGE	CONVENTIONAL WIRE SIZE	VERSA-CRIMP SYSTEM RANGE		L	H	
VACT1010	1/0 Str. Al/Cu	#8-1/0 Str. Al/Cu	1/0 Str. Al/Cu	#8-1/0 Str. Al/Cu	VC6 (ALL)	4-1/2 (114.3)	2-5/8 (66.7)	.106 (.05)
VACT4040	4/0 Str. Al/Cu	#2-4/0 Str. Al/Cu	4/0 Str. Al/Cu	#2-4/0 Str. Al/Cu	VC6 (ALL)	5-1/4 (133.4)	3-1/16 (77.8)	.237 (.11)
VACT300300	300 MCM Al/Cu	1/0-300 MCM Al/Cu	300 MCM Al/Cu	1/0-300 MCM Al/Cu	VC6 (ALL)	5-1/2 (139.7)	3-5/16 (84.2)	.350 (.16)
VACT500500	500 MCM Al/Cu	4/0-500 MCM Al/Cu	500 MCM Al/Cu	4/0-500 MCM Al-Cu	VC6 (ALL)	7-9/16 (192.1)	4-7/16 (112.7)	.579 (.26)
VACT750750	750 MCM Al	500-750 MCM Al 500 MCM Cu	750 MCM Al	500-750 MCM Al 500 MCM Cu	VC6 (ALL)	8-13/16 (223.9)	5-1/4 (133.4)	.747 (.34)

Refer to page DC-30 & DC-31 for recommended tool and die information.

HIGH VOLTAGE APPLICATIONS—All Aluminum/Copper and Copper Lugs (VCEL, VACL, VHCL, VHCS and VCELC) are rated at 34.5 KV. The other U.L. listed compression connectors (VACS, VACT, VCCT, VHSS and VHS) have a maximum UL voltage requirement of less than 2000 volts, however Anderson recommends these connectors for application through 34.5 KV subject to the manufacturers' limitations and recommendations for the insulation material. For further information, contact factory.

VERSA-CRIMP® ALUMINUM COMPRESSION TAP

ALUMINUM
VCL



- For use with VERSA-CRIMP® Type VC6 (all) tools only.
- For aluminum to aluminum or aluminum to copper conductor connections.
- Aluminum alloy conductor recommendations include 5005, 6201 (AAAC) and ACAR which are of the same diameter as a given ACSR conductor shown below.

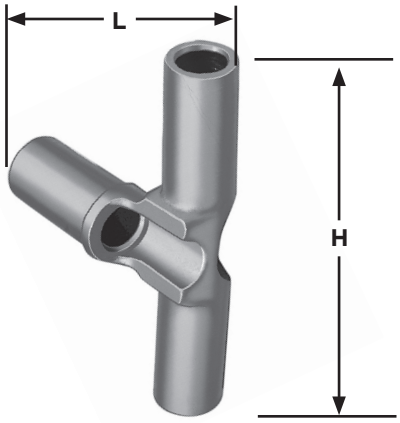
Material: Aluminum Alloy
Factory inhibited

Product Data & Conductor Size

CATALOG NUMBER	CONDUCTOR RANGE		VERSA-CRIMP TOOL TYPE	DIMENSIONS INCHES (MM)		APPROX. WT. EACH LBS. (KG)
	MAIN	TAP		L	H	
VCL54	#6 (7)—2/0 (19) AAC #6 (6/1)—2/0 (6/1) ACSR #6 (7)—#1 (19) Cu	#8 (7)-1/0 (19) AAC #8 (6/1)—1/0 (6/1) ACSR #10 Sol.—#2 (7) Cu	VC6 (ALL)	2-11/16 (68.26)	2-1/2 (63.5)	.17 (.08)
VCL64	#4 (7)—4/0 (19) AAC #4 (6/1)—4/0 (6/1) ACSR #4 (7)—2/0 (19) Cu	#8 (7)—1/0 (19) AAC #8 (6/1)— 1/0 (6/1) ACSR #10 Sol.— #2 (7) Cu		2-23/32 (69.06)	2-33/64 (63.90)	.19 (.09)
VCL66	#4 (7)—4/0 (19) AAC #4 (6/1)—4/0 (6/1) ACSR #4 (7)—2/0 (19) Cu	#4 (7)—4/0 (19) AAC #4 (6/1)—4/0 (6/1) ACSR #4 Sol.—2/0 (19) Cu		2-31/32 (75.41)	3-19/64 (83.74)	.26 (.12)

VERSA-CRIMP® ALUMINUM COMPRESSION TAP

ALUMINUM
VC2T



- For use with VERSA-CRIMP® Type VC6 (all) tools only.
- For aluminum to aluminum or aluminum to copper conductor connections.
- Aluminum alloy conductor recommendations include 5005, 6201 (AAAC) and ACAR which are of the same diameter as a given ACSR conductor shown below.

Material: Aluminum Alloy
Factory inhibited

Product Data & Conductor Size

CATALOG NUMBER	CONDUCTOR RANGE (AWG)		VERSA-CRIMP TOOL TYPE	DIMENSIONS INCHES (MM)		APPROX. WT. EACH LBS. (KG)
	MAIN	TAP		L	H	
VC2T66	#4 Sol.—4/0 (19) AAC #4 (6/1)—4/0 (6/1) ACSR # 4 Sol.—2/0 (19) Cu	#4 Sol.—4/0 (19) AAC #4 (6/1)— 4/0 (6/1) ACSR #4 Sol.—2/0 (19) Cu	VC6 (ALL)	3-1/8 (79.4)	5-7/16 (138.1)	.40 (.18)

VERSA-CRIMP® ALUMINUM COMPRESSION TEE

ALUMINUM
VCT

- For use with VERSA-CRIMP® Type VC6 (all) tools only.
- For aluminum to aluminum or aluminum to copper conductor tee connections.
- Aluminum alloy conductor recommendations include 5005, 6201 (AAAC) and ACAR having the same diameter as a given ACSR conductor shown below.

Material: Aluminum Alloy
Factory inhibited

FIGURE 1

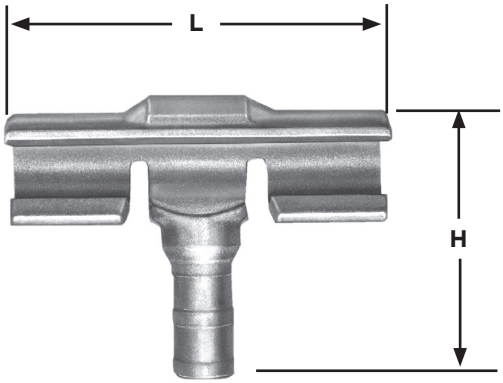


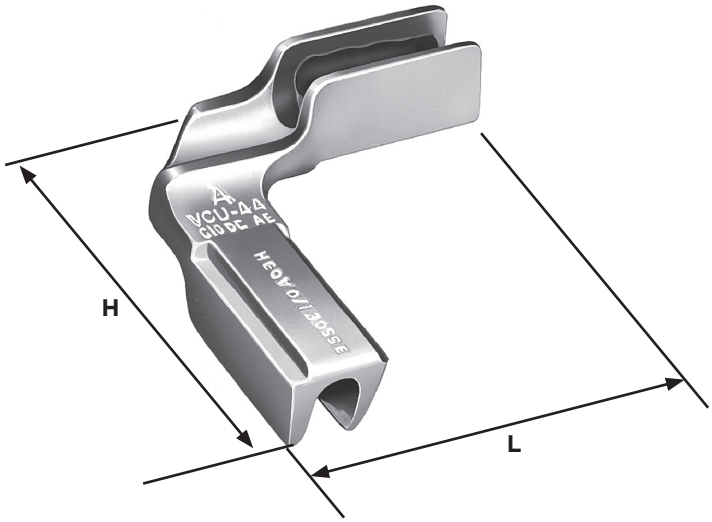
FIGURE 2

Product Data & Conductor Size

CATALOG NUMBER	FIGURE NO.	CONDUCTOR RANGE (AWG OR MCM)		VERSA-CRIMP TOOL TYPE	DIMENSIONS INCHES (MM)		APPROX. WT. EACH LBS. (KG)
		MAIN	TAP		L	H	
VCT55	1	#6 (7)-2/0 (19) AAC #6 (6/1)-2/0 (6/1) ACSR	#6 (7)-2/0 (19) AAC #6 (6/1)-2/0 (6/1) ACSR #6 Sol.-#1 (19) Cu	VC6 (ALL)	4-1/16 (103.2)	2-7/8 (73.0)	.55 (.25)
VCT95	2	3/0 (7)-500 (37) AAC 3/0 (6/1)-477 (18/1) ACSR	#6 (7)-2/0 (19) AAC #6 (6/1)-2/0 (6/1) ACSR #6 Sol.-1/0 (19) Cu	VC63 VC6FT	5-5/16 (134.9)	4-7/16 (112.7)	.93 (.42)
VCT96	2	3/0 (7)-500 (37) AAC 3/0 (6/1)-477 (18/1) ACSR	1/0 (7)-4/0 (19) AAC 1/0 (6/1)-4/0 (6/1) ACSR 1/0 (7)-3/0 (19) Cu	VC63 VC6FT	5-5/16 (134.9)	4-7/16 (112.7)	.97 (.44)
VCT99	2	3/0 (7)-500 (37) AAC 3/0 (6/1)-477 (18/1) ACSR	4/0 (7)-350 (37) AAC 4/0 (6/1)-477 (18/1) ACSR 4/0 (7)-350 (37) Cu	VC63 VC6FT	5-5/16 (134.9)	6-7/16 (163.5)	1.20 (.54)

VERSA-CRIMP® ALUMINUM COMPRESSION TAP

ALUMINUM
VCU



- For use with VERSA-CRIMP® Type VC6 (all) tools.
- For aluminum to aluminum or aluminum to copper conductors.
- Aluminum alloy conductor recommendations include 5005, 6201 (AAAC) and ACAR which are of the same diameter as a given ACSR conductor shown below.

Material: Aluminum Alloy
Factory inhibited

Product Data & Conductor Size

CATALOG NUMBER	CONDUCTOR RANGE		VERSA-CRIMP TOOL TYPE	DIMENSIONS INCHES (MM)		APPROX. WT. EACH LBS. (KG)
	MAIN	TAP		L	H	
VCU55	#6 (7)-2/0 (19) AAC #6 (6/1)-2/0 (6/1) ACSR #8 (7)-#4 (7) Cu	#6 (7)-2/0 (19) AAC #6 (6/1)-2/0 (6/1) ACSR #8 (7)-#4 (7) Cu	VC6 (ALL)	3-1/8 (79.38)	3-1/8 (79.38)	.18 (.08)
VCU65	#4 (7)-4/0 (19) AAC #4 (6/1)-4/0 (6/1) ACSR #4 (7)-2/0 (19) Cu	#6 (7)-2/0 (19) AAC #6 (6/1)-2/0 (6/1) ACSR #8 (7)-#4 (7) Cu		3-3/16 (80.96)	3-1/8 (79.38)	.20 (.09)
VCU66	#4 (7)-4/0 (19) AAC #4 (6/1)-4/0 (6/1) ACSR #4 (7)-2/0 (19) Cu	#4 (7)-4/0 (19) AAC #4 (6/1)-4/0 (6/1) ACSR #4 (7)-2/0 (19) Cu		3-3/16 (80.96)	3-3/16 (80.96)	.24 (.11)

VACL/VACS/VACT—Anderson/Burndy

Catalog Number VACL [3] VACS [4] VACT [4]	ANDERSON™ VERSA-CRIMP® COMPRESSION TOOLS (Crimps per Connection)						CONVENTIONAL COMPRESSION DIE TOOLING (Crimps per Connection)											
	V-C Tools Wire Range (AWG or MCM)	VERSA-CRIMP Tools (Number of Crimps)					Wire Size (AWG or MCM)	Die Color Code [2]	Burndy (Crimps)							Burndy Indentor Tools (1 Crimp)			
		*VC6 500	VC6 350	VC6 [1]	VC6 FT [1]	VC8 AL NIBS			Die Index No.	Tool Y34A Die	Tools Y35 Y39 Die	Tool Y34B Die	Tool Y48B Die	Tool Y486RB Die	Tool MY-29 Die	Tool Y34A (Indentor) Nest	Tool Y34B (Indentor) Nest	Tool Y48B (Indentor) Nest	Tool Y486RB (Indentor) Nest
-8	#8 AL/CU	1	1				#8 AL/CU	Blue	374		U8CABT (2)				#8 (1)				
-6	#6 AL/CU	1	1				#6 AL/CU	Gray	346	A6CAB (1)	U6CABT (1)	B6CD (1)			#6 (1)	A4CD (Y34PA)	B4CD (Y34PA)		
-4	#4 AL/CU	2	2				#4 AL/CU	Green	375	A4CAB (1)	U4CABT * (1)	B4CD (1)	C4CAB (1)		#4 (1)	A1CD (Y34PA)	B1CD (Y34PA)		
-2	#6-#2 AL/CU	2	2	2	2		#2 AL/CU	Pink	348	A2CAB (1)	U2CABT (1)	B2CD (1)			#2 (2)	A26D (Y34PA)	B26D (Y34PA)		
-1	#8-#1 AL/CU	2	2	2	2		#1 AL/CU	Tan	296	A25AR (1)	U25ART * (1)	B1CD (1)			#1 (2)	A27D (Y34PR-5)	B27D (Y34PR-5)		
-1/0	#8-1/0 AL/CU	2	2	2	2		1/0 AL/CU	Tan	296	A25AR (1)	U25ART * (1)	B25D (1)			1/0 (2)	A27D (Y34PR-5)	B27D (Y34PR-5)		
-2/0	#4-2/0 AL/CU	2	2	2	2		2/0 AL/CU	Olive	297	A26AR (2)	U26ART (2)	B26D (1)			2/0 (2)	A29D (Y34PR-5)	B29D (Y34PR-5)		
-3/0	#4-3/0 AL/CU	2	2	2	2		3/0 AL/CU	Ruby	467	A27AR (2)	U27ART (2)	B27D (1)			3/0 (2)	A30D (Y34PR-5)	B30D (Y34PR-5)		
-4/0	#2-4/0 AL/CU	3	3	2	2		4/0 AL/CU	White	298	A28AR (2)	U28ART (2)	B28D (1)	C28AR (1)	F28AR (1)	4/0 (2)	A31D (Y34PR-5)	B31D (Y34PR-5)		
-250	1/0-250 AL/CU	3	3	2	2		250 AL/CU	Red	324	A29AR (2)	U29ART (2)	B29D (1)	C29AR (1)	F29AR (1)		A32D (Y34PR-5)	B32D (Y34PR-5)		
-300	1/0-300 AL/CU	3	3	2	2		300 AL/CU	Blue	470	A30AR (2)	U30ART (2)	B30D (2)	C30AR (1)	F30AR (1)		A34D (Y34PR-11)	No Die	C34D (Y48PR-1)	F34D (Y48PR-1)
-350 [1]	2/0-350 AL/CU	4		3	3		350 AL/CU	Brown	299		U31ART (2)	B31D (2)	C31AR (1)	F31AR (1)				C35D (Y48PR-1)	F35D (Y48PR-1)
-400 [1]	3/0-400 AL/CU	5		4 O'lap	4 O'lap		400 AL/CU	Green	472		U32ART (4)	B32D (2)	C32AR (2)	F32AR (2)				C36D (Y48PR-1)	F36D (Y48PR-1)
-500 [1]	4/0-500 AL/CU	7		4 O'lap	4 O'lap		500 AL/CU	Green	472		U32ART (4)	No Die Required (2)	C32AR (2)	F32AR (2)					
-600	350 - 600 AL 350 - 500 CU				4	3	600 AL	Pink	300		U34ART (4)		C34AR (2)	F34AR (2)					
-750	500 - 750 AL 500 CU				4	3	750 AL	Pink	300		U34ART (4)		C34AR (2)	F34AR (2)					
-1000	750-1000 AL					3	1000 AL	Brown	302				C44AR (2)	F44AR (2)				C46D (Y48PR-1)	F46D (Y48PR-1)

+ TBM-8 Tool ONLY
★ Anderson HC-12 Dies, Burndy's Y-35 Dies and Blackburn's JB-12 Dies are interchangeable.
(1) "VACL" Lug sizes -350 to -500 take 1 less crimp (VC6 Tools) than shown.
(2) Color code is for Anderson and Burndy dies only. Use the recommended die number (NOT die color) for Blackburn, Kearney & T&B Hyd. Tools/Dies.
(3) The "VACL" lugs are qualified for UL "HV" applications.
(4) The "VACS" sleeves and "VACT" tee connectors are for AL to AL or AL to CU connections ONLY. (NOT for CU to CU connections).
** Not UL Listed-pending completion of test.*

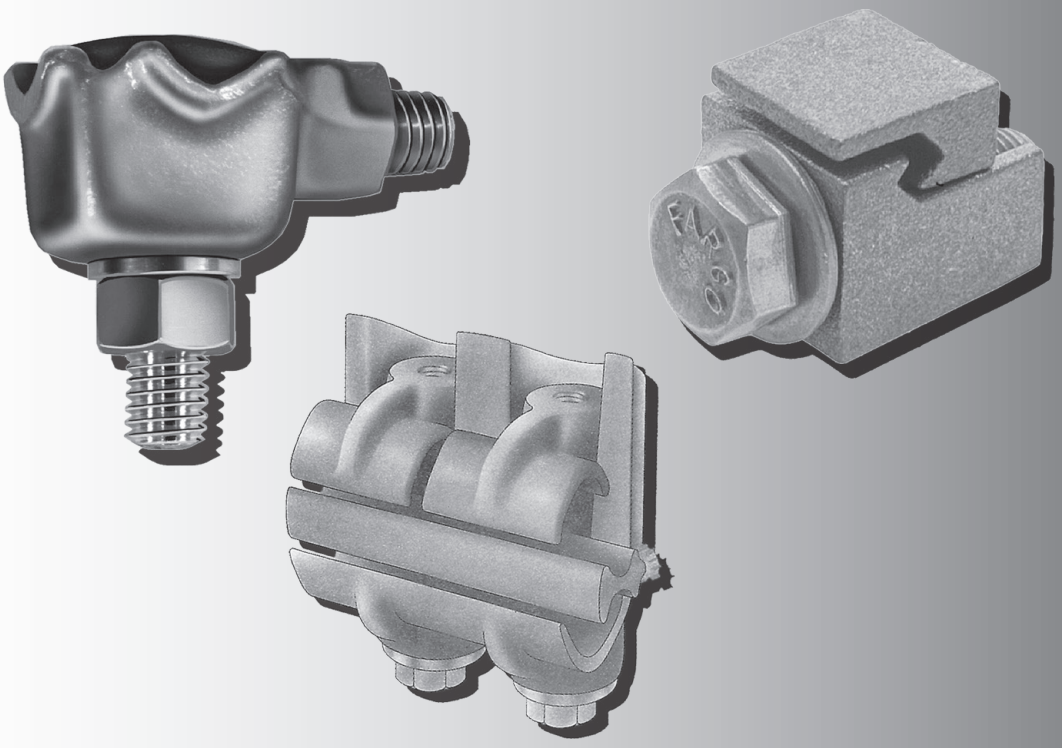
VACL/VACS/VACT—Anderson/Burndy

Catalog Number VACL (3) VACS (4) VACT (4)	ANDERSON™ VERSA-CRIMP® COMPRESSION TOOLS (Crimps per Connection)						CONVENTIONAL COMPRESSION DIE TOOLING (Crimps per Connection)											
	V-C Tools Wire Range (AWG or MCM)	VERSA-CRIMP Tools (Number of Crimps)					Wire Size (AWG or MCM)	Die Color Code (2)	Blackburn (Crimps)		Kearney (Crimps)				Thomas & Betts (Crimps)		
		*VC6 500	VC6 350	VC6 (1)	VC6 FT (1)	VC8 AL NIBS			Tool OD-58	Tool JB-12A		Tools (No. of Crimps)			Tools TBM5 TBM8	12 Ton Hyd. Tool	15 Ton Hyd. Tool
									Die	Die	Die	O-52	WH-1 PH-1	WH-2 PH-2	Die	Die	Die
-8	#8 AL/CU	1	1				#8 AL/CU	Blue	BY17C (2)	B73CH (1)	1/4	(2)			Blue (1)	24 (1)	24 (1)
-6	#6 AL/CU	1	1				#6 AL/CU	Gray	BY19C (3)	B74CH (1)	5/16	(3)	(1)	(1)	Gray (2)	29 (2)	29 (2)
-4	#4 AL/CU	2	2				#4 AL/CU	Green	BY21C (3)	U4CABT * (1)	3/8	(3)	(2)	(2)	Green (2)	37 (2)	37 (2)
-2	#6-#2 AL/CU	2	2	2	2		#2 AL/CU	Pink	BY23C (3)	BO6CH (1)	1/2	(3)	(2)	(2)	Pink (2)	45 (2)	45 (2)
-1	#8-#1 AL/CU	2	2	2	2		#1 AL/CU	Tan	BY23C (4)	U25ART * (1)	9/16	(4)	(2)	(2)	Tan (2)	50 (2)	50 (2)
-1/0	#8-1/0 AL/CU	2	2	2	2		1/0 AL/CU	Tan	BY25C (4)	U25ART * (1)	9/16	(4)	(2)	(2)	Tan (2)	50 (2)	50 (2)
-2/0	#4-2/0 AL/CU	2	2	2	2		2/0 AL/CU	Olive	BY31C (4)	B09CH (2)	5/8-1	(4)	(3)	(3)	Olive (2)	54 (1)	54H (2)
-3/0	#4-3/0 AL/CU	2	2	2	2		3/0 AL/CU	Ruby	BY27C (5)	B26CH (2)	11/16	(5)	(3)	(3)	Ruby (2)	62 (1)	62 (1)
-4/0	#2-4/0 AL/CU	3	3	2	2		4/0 AL/CU	White	BY35C (5)	B10CH1 (2)	781	(5)	(3)	(3)	+White (4)	71H (3)	71H (3)
-250	1/0-250 AL/CU	3	3	2	2		250 AL/CU	Red	BY37C (5)	B11CH (2)	840	(5)	(3)	(3)	+Red (5)	76H (3)	76 (2)
-300	1/0-300 AL/CU	3	3	2	2		300 AL/CU	Blue		B61EA (1)	29/32		(2)	(2)	+Blue (5)	87H (3)	87H (3)
-350 (1)	2/0-350 AL/CU	4		3	3		350 AL/CU	Brown		B12CH1 (2)	1-1/8-1		(2)	(2)	+Brown (5)	94H (3)	94H (3)
-400 (1)	3/0-400 AL/CU	5		4 O'lap	4 O'lap		400 AL/CU	Green		B80EA (2)	1-1/8-1		(2)	(2)		99H (3)	99H (3)
-500 (1)	4/0-500 AL/CU	7		4 O'lap	4 O'lap		500 AL/CU	Green		B80EA (3)	1-1/8-2		(2)	(2)		96H (4)	96 (2)
-600	350 - 600 AL 350 - 500 CU				4	3	600 AL	Pink		B20AH (3)	1-5/16			(4)		106H (5)	106H (5)
-750	500 - 750 AL 500 CU				4	3	750 AL	Pink		B20AH (3)	1-5/16			(4)		106H (5)	106H (5)
-1000	750-1000 AL					3	1000 AL	Brown									

\+ *TBM-8 Tool ONLY*
★ *Anderson HC-12 Dies, Burndy's Y-35 Dies and Blackburn's JB-12 Dies are interchangeable.*
(1) "VACL" Lug sizes -350 to -500 take 1 less crimp (VC6 Tools) than shown.
(2) Color code is for Anderson and Burndy dies only. Use the recommended die number (NOT die color) for Blackburn, Kearney & T&B Hyd. Tools/Dies.
(3) The "VACL" lugs are qualified for UL "HV" applications.
(4) The "VACS" sleeves and "VACT" tee connectors are for AL to AL or AL to CU connections ONLY. (NOT for CU to CU connections).
* *Not UL Listed-pending completion of test.*

HUBBELL

DISTRIBUTION CONNECTORS



SECTION DD

GENERAL USE CONNECTORS

Aluminum Vise-Type

Bronze Vise-Type

Bronze Grounding Clamps

Bronze Grounding Post

Aluminum Parallel Groove

Bonding Clmaps

Bronze Parallel Groove

Bronze Set-Screw

Copper Set-Screw

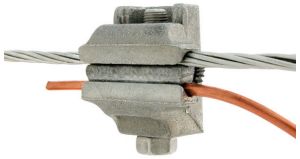
Aluminum/Bronze Transformer SURD

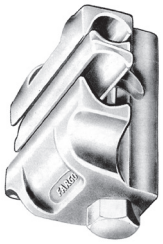
Alumimum Specialty

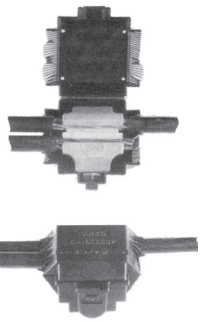
GENERAL USE VISE TYPE ALUMINUM SINGLE BOLT ALUMINUM TO ALUMINUM OR ALUMINUM TO COPPER

ALUMINUM
GA9000

- Recommended for aluminum or aluminum to copper distribution, service or tap connections.
- Add Suffix "G" to catalog number for neoprene grommets. Grommet holds spacer bar in place during installation.
- Sealant is recommended on all connectors.
- Optional snap-on cover
- Optional - Class AA temperature rated per ANSI C119.4

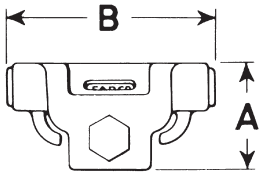


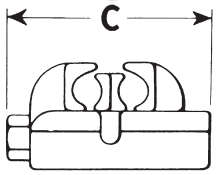




Material: **Body** – Aluminum Alloy
Spacer – Aluminum
Hardware – Aluminum Alloy (std.) or Stainless Steel ("SS" suffix)

Options: Snap-On Cover (See Column) (B-Suffix)
Torque-Head Bolts (Add "O" Suffix)
Grommets "G" suffix
"L" Inhibitor applied (std.)
"AA" - Class AA rated
Ex: GA9020GAASSB2 or GA9041GLOB3





"G" Grommet Suffix
Optional grommet aids in positioning spacer bar. See note below.

DD 1

Product Data & Conductor Size

SINGLE BOLT ALUMINUM CONNECTORS														
CATALOG NUMBER		CONDUCTOR RANGE								A INCHES (MM)	B INCH-ES (MM)	C INCH-ES (MM)	AP-PROX. WT. EACH LBS. (KG)	INSULATED SNAP-ON COVER
		RUN				TAP								
		MAX.		MIN.		MAX.		MIN.						
STANDARD	CLASS AA	ACSR	AL.	ACSR	AL.	ACSR	AL. OR CU.	ACSR	AL. OR CU.					CATALOG NUMBER
GA9003L**	GA9003AA	4	2 Sol.	6	8 Sol.	4	2 Sol.	6	8 Sol.	7/8 (22.27)	1-1/4 (31.81)	1-3/4 (44.54)	.17 (.08)	GA9000B2**
GA9002L**	GA9002AA	2	1 Str.	6	6 Sol.	2	1 Str.	6	12 Sol.	1-1/8 (28.63)	1 7/8 (47.72)	2-1/8 (54.08)	.23 (.10)	GA9000B2**
GA9020LSS**	GA9020AASS	1/0	2/0 Str.	6	6 Sol.	1/0	2/0 Str.	6	6 Sol.	1-1/4 (31.81)	1 -/8 (47.72)	2-3/8 (60.44)	.34 (.15)	GA9000B2**
GA9040L**	GA9040AA	4/0	4/0 Str.	2	1 Str.	4/0	4/0 Str.	2	1 Str.	1-1/2 (38.18)	2-3/4 (69.99)	3-1/8 (79.53)	.55 (.25)	GA9000B3**
GA9041L**	GA9041AA	4/0	4/0 Str.	2	1 Str.	2/0	2/0 Str.	6	6 Sol.	1-1/2 (38.18)	3-3/8 (85.89)	3-1/8 (79.53)	.58 (.26)	GA9000B3**
GA9405L	GA9405AA	3/0	3/0 Str.	4	4 Str.	-	4 Str.	-	12 Sol.	1-1/2 (38.18)	1-7/8 (47.72)	2-1/2 (63.63)	.44 (.20)	GA9000B2**
GA9400L	GA9400AA	336,400	397,500	3/0	4/0 Str.	336,400	397,500	3/0	4/0 Str.	2-1/16 (52.50)	3-1/2 (89.08)	3-1/2 (89.08)	.78 (.35)	GA9000B3**
GA9401L	GA9401AA	336,400	397,500	3/0	4/0 Str.	4/0	266,800	6	6 Sol.	2-1/16 (52.50)	4 (101.80)	3-1/2 (89.08)	.84 (.38)	GA9000B3**
GA9842L**	GA9842AA	666,000	800,000	4/0	266,800	2/0	2/0	6	6 Sol.	2 (50.90)	3-5/8 (92.26)	3-3/4 (95.44)	.80 (.36)	GA9000B3**
GA9843L**	GA9843AA	666,000	800,000	4/0	266,800	4/0	4/0	2	1 Str.	2 (50.90)	3-5/8 (92.26)	3-3/4 (95.44)	.88 (.40)	GA9000B3**
CONNECTORS FOR SPECIAL APPLICATIONS														
GA9404L	GA9404AA	4/0	4/0	4	4 Str.	-	10 Sol.	-	12 Sol.	1-1/8 (28.63)	1-7/8 (47.72)	2-1/8 (54.08)	.39 (.18)	GA9000B2**
GA9844L		666,000	800,000	477,000	477,000	336,400	397,500	4/0	266,800	3 (76.35)	3 (76.35)	4-3/4 (120.89)	1.24 (.56)	GA9000B5**
GA9954L	GA9954AA	795,000*	954,000	-	795,000	-	336,400	-	1/0	3 (76.35)	3 (76.35)	4 3/4 (120.89)	1.24 (.56)	GA9000B5**

**795 ACSR 26/7*
*** RUS Listed*
Feature: "G" – Soft flexible grommets hold the spacer bar in position for easy installation of the run and tap. The grommets do not interfere with the smooth operation of the connector.

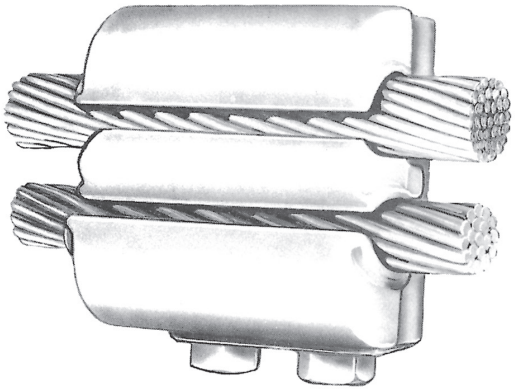
ALUMINUM

GA9000

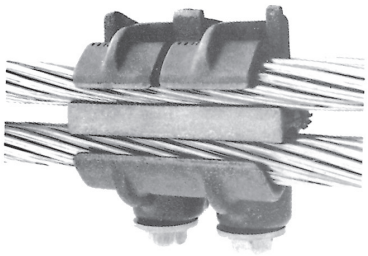
GENERAL USE VISE TYPE, TWO- BOLT EXTENDED RANGE ALUMINUM ALUMINUM TO ALUMINUM OR ALUMINUM TO COPPER

- Heavy duty construction for aluminum to aluminum or aluminum to copper conductor connections.
- Sealant is recommended for all connections.

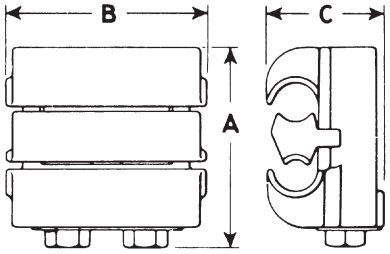
Material: **Body** – Aluminum Alloy
Spacer – Aluminum
Hardware – Aluminum Alloy (std.) or Stainless steel ("SS" Suffix)



GA9100GL



GA9520GL



"A" Dimension depends on bolt extension/conductor size opening.

GA9000Bx Series Snap-On Cover

"G" Grommet Suffix Optional grommet aids in positioning spacer bar. See note below.

Product Data & Conductor Size

CATALOG NUMBER		CONDUCTOR RANGE								APPROX. DIMENSIONS INCHES (MM)			AP-PROX. WT. EACH LBS. (KG)
		RUN				TAP				(NOMI-NAL) A (MM)	B (MM)	C (MM)	
		MAX.		MIN.		MAX.		MIN.					
STAN-DARD	CLASS AA	ACSR	AL.	ACSR	AL.	ACSR	AL. OR CU.	ACSR	AL. OR CU.				
GA9520GL*	GA9520GAA*	477,000	600,000	4/0	4/0	477,000	600,000	4/0	4/0	4 (101.80)	4-1/4 (108.16)	2-1/2 (63.63)	1.44 (.65)
GA9521GL*	GA9521GAA*	477,000	600,000	4/0	250,000	4/0	266,800	4	4 Str.	4 (101.80)	4-1/4 (108.16)	2-1/2 (63.63)	1.52 (.69)
GA9820GL	GA9820GAA	795,000†	800,000	336,400	477,000	795,000†	800,000	336,400	477,000	5-1/2 (139.98)	4-1/2 (114.53)	2-3/4 (69.99)	2.40 (1.09)
GA9821GL	GA9821GAA	795,000†	800,000	336,400	477,000	397,500†	477,000	3/0	4/0	5-1/2 (139.98)	4-1/2 (114.53)	2-3/4 (69.99)	2.30 (1.04)
GA9100GL	GA9100GAA	1,272,000	1,500,000	636,000	795,000	1,272,000	1,500,000	636,000	795,000	5-3/4 (146.34)	6-1/4 (159.06)	2-7/8 (73.17)	4.50 (2.04)
GA9101GL	GA9101GAA	1,272,000	1,500,000	636,000	795,000	636,000	795,000	336,400	336,400	5-3/4 (146.34)	6-1/4 (159.06)	2-7/8 (73.17)	4.60 (2.09)

** For insulated Snap-On Cover – order Catalog No. GA9000B4.*
† 26/7 ACSR
Feature: "G" – Soft flexible grommets hold the spacer bar in position for easy installation of the run and tap. The grommets do not interfere with the smooth operation of the connector.

GENERAL USE
VISE TYPE BRONZE
COPPER TO COPPER

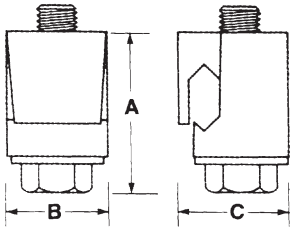
BRONZE

GC5000 SERIES

- For copper connections-Splice, Loop deadend or service entrance tap or grounding connections
- One piece design for easier, faster installation
- Bolt head design for use with standard ratchet wrench
- Vise design achieves high connector pressure with low wrench force

Material: **Body** – Copper Alloy
Hardware – Stainless Steel or Silicon Bronze Alloy

Options: Suffix "P" Tin-plated



TOP VIEW SIDE VIEW

DD 3

Product Data & Conductor Size

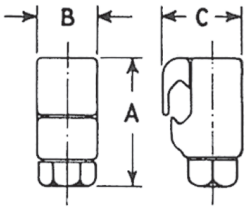
CATALOG NUMBER	CONDUCTOR RANGE MAX. 2 CONDUCTORS	CONDUCTOR RANGE MIN. 2 CONDUCTORS	DIA. RANGE (2 COND. COMBO.) DIA. EA. COND. MIN. - MAX.	A (MM)	B (MM)	C (MM)	WT. EA. LB (KG)	BOLT HEAD (HEX.)
GC5008SH*	#8 STR.	#11 SOL.	.091"-.146" (2.32-3.72)	7/8" (22.7)	5/8" (15.91)	5/8" (15.91)	.06 (.03)	3/8" (10)
GC5006**	#6 SOL.	#10 SOL.	.101"-.162" (2.57-4.12)	1" (25.45)		3/4" (19.09)	.09 (.04)	
GC5006SH*								
GC5004**	#4 STR.	#8 SOL.	.128"-.232" (3.26-5.9)	1-1/4" (31.81)		7/8" (22.27)	.16 (.07)	9/16" (14)
GC5002**	#2 SOL.	#6 SOL.	. 162"-.286" (4.12-7.28)	1-3/8" (34.99)	3/4" (19.09)	1" (25.45)	.18 (.08)	
GC5002S**	#2 STR.	#5 SOL.	.181"-.320" (4.61-8.14)	1-5/8" (41.36)				
GC5020**	1/0 STR.	#4 SOL.	.204"-.390" (5.19-9.93)	1-7/8" (47.72)		1-1/8" (28.63)	.28 (.13)	
GC5020S**	2/0 STR.	#3 SOL.	.229"-.438" (5.83-11.15)	2" (50.90)	7/8" (22.27)	1-1/4" (31.81)		
GC5040**	4/0 STR.	#1 SOL.	.289"-.552" (7.36-14.05)	2-1/8" (54.08)	1" (25.45)	1-3/8" (34.99)	.48 (.22)	

** SH suffix indicates a slotted hex-head bolt.*
***RUS Listed*
For tin-plated bronze connectors, add suffix "P" to catalog number (not available on GC5006S, GC5006SH and GC5008SH)
Note: All connectors will accept one or two of the conductors listed and any combination in between.

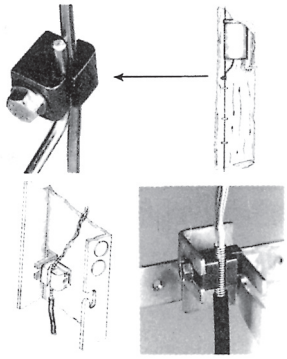
GENERAL USE — GROUNDING AND BONDING
VISE TYPE BRONZE

BRONZE GC SERIES

GC100/ 200/5000



GC5000 Series



For copper to copper connections or conductor to conductor and conductor/cable sheath to bar.

Material: – Copper Alloy
– Stainless Steel or Silicon Bronze slotted head hex

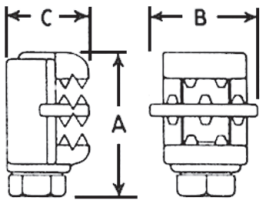
DD 4

Product Data & Conductor Size

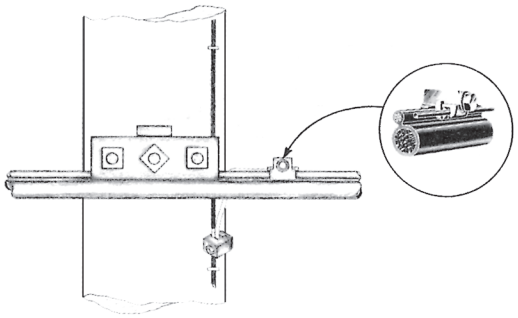
CATALOG NUMBER	RANGE				APPROX. DIMENSIONS INCHES					WT LB (KG)
	CONDUCTOR COMBINATIONS		CABLE SHEATH BONDING		A (MM)	B (MM)	C (MM)	BOLT		
	RUN	TAP						DIA.	WRENCH	
GC271*†	4-6 4 Sol – 6 Str.	14-6	1 to 3	2 pair	1 (25.45)	5/8 (15.90)	3/4 (19.08)	1/4 (6.36)	3/8 (10)	.08 (.04)
GC5006SH*†	6	14-6	1 to 3	2 pair	1 (25.45)	5/8 (15.90)	3/4 (19.08)	1/4 (6.36)	3/8 (10)	.09 (.04)
GC5006†**	6	14-6	1 to 3	2 pair	1 (25.45)	5/8 (15.90)	3/4 (19.08)	1/4 (6.36)	3/8 (10)	.09 (.04)
GC5004†**	4	8-4	1 to 3	2 pair	1-1/4 (31.81)	5/8 (15.90)	7/8 (22.26)	5/16 (7.95)	9/16 (14)	.16 (.07)
			1	5 pair						
GC5002**	2	6-2	–	–	1-3/8 (35.00)	3/4 (19.08)	1 (25.45)	5/16 (7.95)	9/16 (14)	.18 (.08)

** Slotted Head Bolt*
† Complies with UL-467 and ETL listed
***RUS Listed*

For Figure 8 or IM Cable – Insulation Piercing
The piercing teeth of the connector puncture the messenger insulation during tightening to form a positive ground without skinning.



GC167



Product Data & Conductor Size

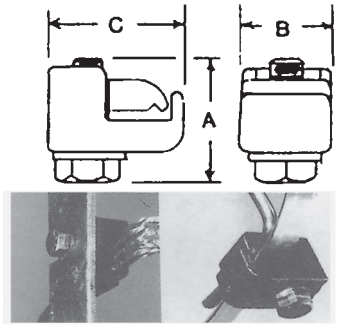
CATA-LOG NUMBER	DIAMETER		APPROX. DIMENSIONS INCHES					WT LB (KG)
	MESSENGER (MM)	GROUND TAP (MM)	A (MM)	B (MM)	C (MM)	BOLT		
						DIA.	WRENCH	
GC167	.146" - .312" (3.71-7.94)	.146" - .312" (3.71-7.94)	1-5/8 (41.36)	1-1/4 (31.81)	1 (25.45)	5/16 (7.95)	9/16 (14)	.21 (.10)
GC167P								

**Suffix P – Tin-Plated Bronze*

GENERAL USE – GROUNDING AND BONDING VISE TYPE BRONZE

For Bonding Ribbon, Braid and Tape

Bonding ribbon or braid to bonding ribbon, braid, conductor, or bus and tape to messenger.



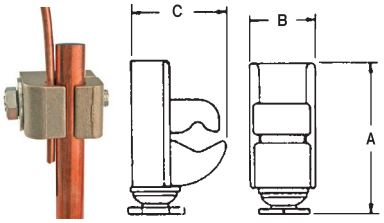
GC164

Product Data & Conductor Size

CATALOG NUMBER	BONDING RIBBON OR BRAID		APPROX. DIMENSIONS INCHES					WT LB (KG)
	CONNECT	TO	A (MM)	B (MM)	C (MM)	BOLT DIA.	BOLT WRENCH	
GC164 GC164P†	Ribbon or Braid	Ribbon, Braid, #6 or Bus	1 (25.45)	5/8 (15.90)	1 (25.45)	1/4 (6.36)	3/8 (10)	.12 (.05)

† Plated Bronze

For Ground Rods



GC268

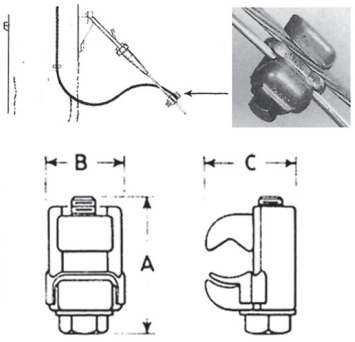
Product Data & Conductor Size

CATALOG NUMBER	RANGE		APPROX. DIMENSIONS INCHES					WT LB (KG)
	ROD DIA. INCHES (MM)	CONDUC-TOR	A (MM)	B (MM)	C (MM)	BOLT DIA.	BOLT WRENCH	
GC268†	1/4 – 5/8 (6.36-15.90)	6-1/0	2 (50.80)	1 (25.45)	1-3/8 (35.00)	3/8 (9.54)	9/16 (14)	.43 (.19)

** Torque head bolts available for tamperproof, removeable connection.*
†Complies with UL-467 and ETL listed

For Lashing Wire

Connect small diameter lashing wires to messengers.



GC166

Product Data & Conductor Size

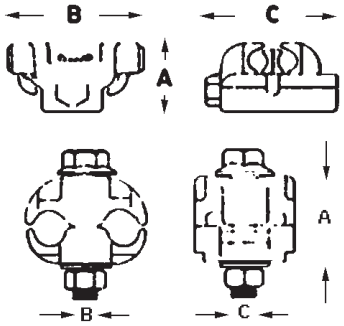
CATALOG NUMBER	MESSENGER DIAMETER RANGE	LASHING WIRE	APPROX. DIMENSIONS INCHES					WT LB (KG)
	CONNECT (MM)	TO	A (MM)	B (MM)	C (MM)	BOLT DIA.	BOLT WRENCH	
GC166 GC166P	.245" - .500" (6.23-12.73)	All Sizes	1-1/2 (38.18)	7/8 (22.26)	1 (25.45)	1/4 (6.36)	3/8 (10)	.16 (.07)

Suffix P- Plated Bronze

For Guy Strand

Aluminum bodied connectors for connecting galvanized or aluminum clad strand to copper conductors. Vise Type Parallel Connector.

GA9000 Series



LC50 Series

Product Data & Conductor Size

CATALOG NUMBER	STRAND RANGE (IN.) (MM)	CONDUCTOR RANGE	APPROX. DIMENSIONS INCHES			WT LB (KG)
			A (MM)	B (MM)	C (MM)	
GA9003L**	1/4 (6.36)	4-8	7/8 (22.26)	1-1/4 (31.81)	1-3/4 (44.54)	.17 (.08)
GA9002L**	1/4 – 3/8 (6.36-9.54)	4-8	1-1/8 (28.63)	1-7/8 (47.72)	2-1/8 (54.08)	.23 (.10)
PARALLEL GROOVE TYPE						
LC52AXB* ** LC522AXB†**	1/4 – 3/8 (6.36-9.54)	2/0 – 8	2-3/8 (60.44)	1-5/8 (41.36)	1-3/8 (35.00)	.20 (.09)

** Inhibitor Protected and Individually Packaged – Standard*
† Bimetallic Liner on Tap Side – Copper
***RUS Listed*

DD 5

BRONZE
KUL

KUL Clamp - Tin-Plated Bronze Clamp with Interlocking Jaws

KUL14716BG (Top)
KUL14716 (Bottom)

- Tin plated for corrosion protection
- High strength copper alloy
- Half-inch hex head silicon bronze bolt

Application:
- 1/4" - 7/16" strand
- #8 - #2/0 copper wire

Product Data & Conductor Size

CATALOG NUMBER	DESCRIPTION	PACKAGING
KUL14716	100% tin plated	Standard Packaging: 100/box. No Minimum Order
KUL14716BG	Tin plated with one bare bronze groove	Standard Packaging: 100/box. No Minimum Order

**GC209 is furnished with bronze jam nut on stud.*
+Add Suffix "P" for Tin-plated Version (Minimum purchase quantities may apply)
***RUS Listed*

Provides a permanent vibration proof connection. The large flat surface of the male casting provides secure mounting, while the "V" shaped conductor groove assures alignment of grounding connector.

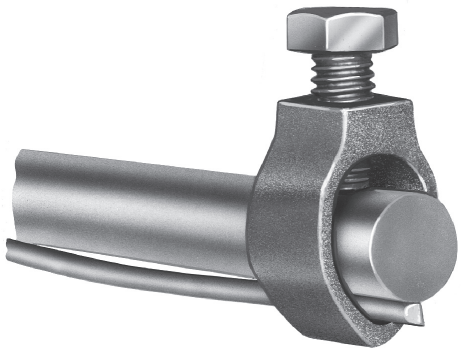
BRONZE GROUNDING CONNECTOR WIRE TO ROD OR PIPE

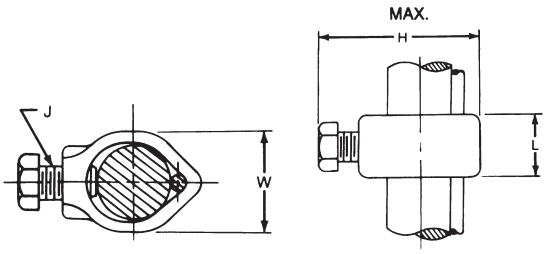
BRONZE
GC/C203

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

- Suitable for Direct Burial

Material: **GC–Casting** – Bronze Alloy
Hardware – Stainless Steel
C203–Casting – Galvanized Steel
Hardware – Zinc Plated





UL LISTED 261L

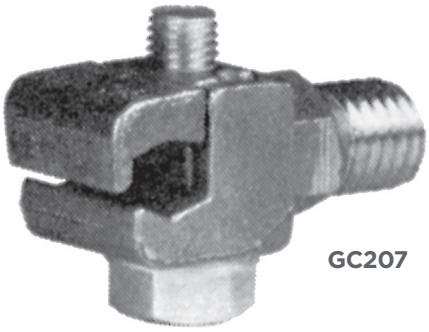
DD 7

Product Data & Conductor Size

CATALOG NUMBER	COPPER CABLE RANGE	ROD DIA.	DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
			L	H	W	J	
GC4	#8 Sol.—#4 Str.	1/2	5/8 (15.88)	1-7/8 (47.62)	13/16 (20.64)	3/8 (9.52)	.09 (.04)
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)
C2030344 Heavy Duty	#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 Heavy Duty	#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)

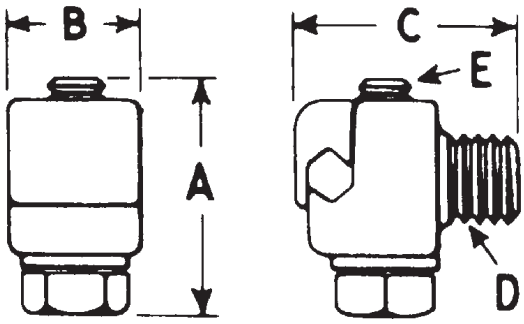
GENERAL USE — BRONZE VISE TYPE GROUND CLAMP LIGHTNING ARRESTER GROUND

BRONZE
GC200 SERIES



GC207

FIGURE 1 TYPE



GC207-GC209

- For grounding applications
- Provided with standard 1/2-13 threaded studs and flat surfaces for easy one wrench installation

Material: **Body** – Copper Alloy
Hardware – Stainless Steel

Note: Lightning Arrester type installations, see DC-11.

DD 8

Product Data & Conductor Size

BRONZE GROUNDING CONNECTOR

CATALOG NUMBER	CONDUCTOR RANGE	APPROX. DIMENSIONS INCHES (MM)					WT LB (KG)
		A	B	C	D	E	
GC207+** (Fig. 1)	6 Sol. To 1/0 Str.	1-1/4 (31.81)	3/4 (19.09)	1-7/8 (47.72)	1/2 (12.73)	5/16 (7.95)	.21 (.10)
GC208+ (Fig. 1)	4 Str. To 2/0 Str.	1-5/16 (33.40)	13/16 (20.68)	1-7/8 (47.72)	1/2 (12.73)	5/16 (7.95)	.29 (.13)
GC209*+ (Fig. 1)	3 Sol. To 4/0 Str.	1-1/2 (38.18)	1-1/8 (28.63)	1-3/4 (44.54)	1/2 (12.73)	5/16 (7.95)	.40 (.18)

**GC209 is furnished with bronze jam nut on stud.*
+Add Suffix "P" for Tin-plated Version (Minimum purchase quantities may apply)
***RUS Listed*

The large flat surface of the male casting provides secure mounting, while the "V" shaped conductor groove assures alignment of grounding connector.

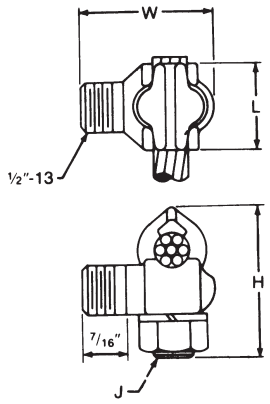
BRONZE GROUND CLAMP CONDUCTOR TO TRANSFORMER TANK TYPE GTCL: 90° GROUND CONDUCTOR MOUNT

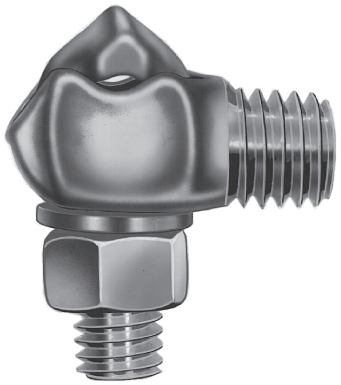
BRONZE
GTCL

- Bronze alloy ground clamp for tapping copper conductor to transformer tank
- Tapered threads at base of stud ensure positive locking and electrical contact without lockwashers

Material: – Bronze Alloy
– Bronze Alloy
– Silicon Bronze Alloy or Stainless Steel

Add suffix "TP" for tin-plated version.





Product Data & Conductor Size

CATALOG NUMBER	COPPER CABLE RANGE	APPROX. DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
		L	H	W	J	
GTCL23A*	#10 Sol. – #1 Str.	7/8 (22.22)	1-1/2 (38.1)	1-3/8 (34.92)	3/8 (9.52)	.20 (.09)
GTCL34A*	#8 Sol. – 2/0 Str.	1 (25.4)	1-7/8 (47.62)	1-17/32 (38.89)	3/8 (9.52)	.25 (.11)

**RUS Listed*

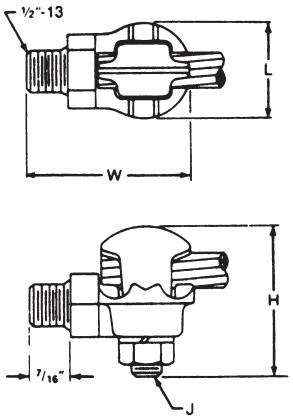
GROUND CLAMP CONDUCTOR TO TRANSFORMER TANK TYPE GTCS: 90° OR STRAIGHT GROUND MOUNT

- Bronze alloy ground clamp for tapping copper conductor to transformer tank
- Tapered thread at base of stud ensures positive locking and electrical contact without lockwashers. Hex wrenching surface above tapered thread provides easy installation.

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

Add suffix "TP" for tin-plated version.

BRONZE
GTCS

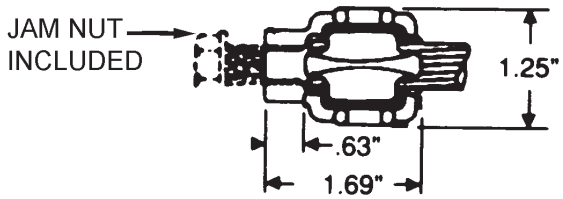


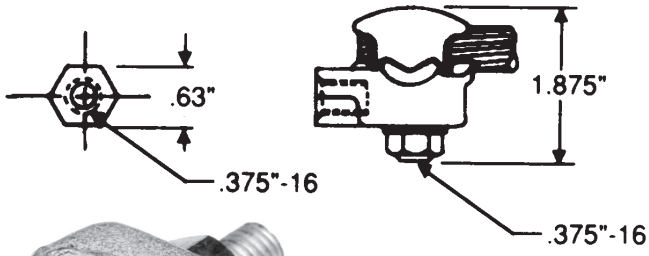
Product Data & Conductor Size

CATALOG NUMBER	COPPER CABLE RANGE	APPROX. DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
		L	H	W	J	
GTCS21	#10 Sol. – #1 Str.	1-1/8 (28.58)	1-5/8 (41.28)	1-7/8 (47.62)	3/8 (9.52)	.29 (.13)
GTCS34A	#8 Sol. – 2/0 Str.	1-1/4 (31.75)	1-7/8 (47.62)	2-1/4 (57.27)	3/8 (9.52)	.34 (.15)
GTCS41	#6 Sol.—250 MCM	1-5/8 (41.28)	2-3/8 (60.32)	2-1/2 (63.5)	1/2 (12.7)	.45 (.20)

LIGHTNING ARRESTER GROUNDING TERMINALS TYPE LAT AND GC207LA BRONZE DISTRIBUTION ARRESTER TERMINALS (See also Page DC7)

BRONZE
LAT, GC207LA





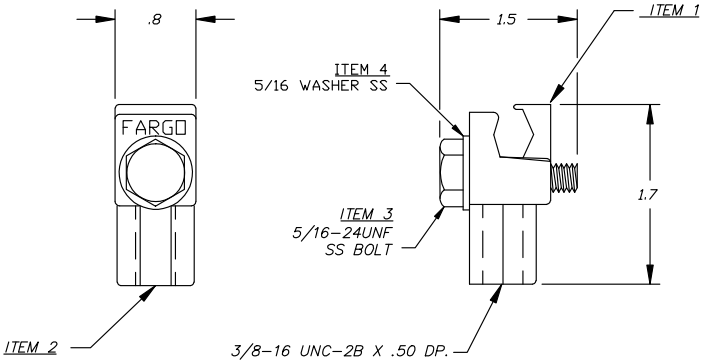
- This versatile bronze connector can be mounted to a drilled plate, structure or bar using a 3/8"-16 cap screw. It can also be screwed onto a 3/8"-16 bushing stud and secured in place with the included jam nut. The eyebolt can be positioned within the body to allow either vertical or horizontal conductor entrances.

Material: **Casting** – Bronze Alloy
Eyebolt – Bronze Alloy
Hardware – Silicon Bronze Alloy
– Brass jam nut

Product Data & Conductor Size

CATALOG NUMBER	STUD SIZE	CONDUCTOR RANGE O.D.	LENGTH INCHES (MM)	APPROX. WT. EACH LBS. (KG)
LAT20	3/8" - 16	8 Sol. - 2/0 Str. .12" - .42" O.D.	1.69 (43)	40 (18)

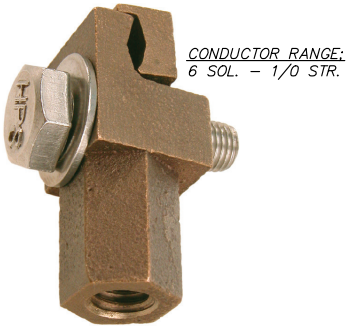
Add suffix "TP" for tin-plated connector



- This connector is intended primarily for bottom termination of lightning arresters to ground. May also be employed on top connections.

Material: **Casting** – Bronze Alloy
Eyebolt – Bronze Alloy
Hardware – Stainless Steel

Note: See pages DC-9 – DC-10 for application details.



Product Data & Conductor Size

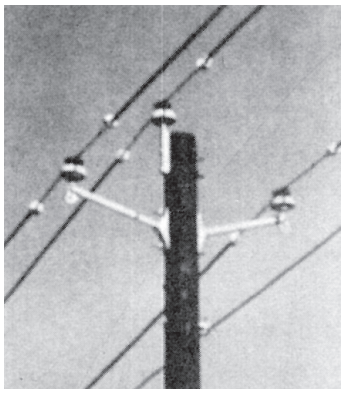
CATALOG NUMBER	STUD SIZE	CONDUCTOR RANGE O.D.	APPROX. WT. 100 LBS. (KG)
GC207LA	3/8" - 16	#6 Sol. - 1/0 Str. .162" - .373" (4.1 - 9.5) mm	22 (9.9)

Add suffix "P" for tin-plated connector

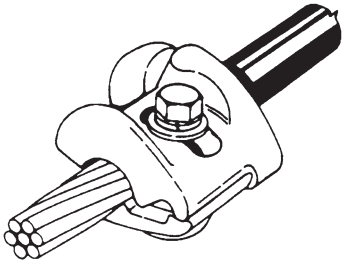
TYPE APD ARC PROTECTION FOR COVERED PRIMARY CONDUCTOR

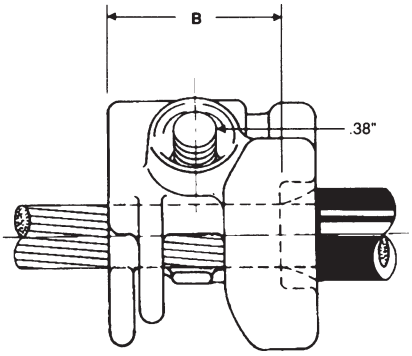
ALUMINUM
APD

- The APD helps prevent lightning induced burndowns of covered overhead aluminum primary conductors and allows users to comply with Article 276 of the National Electric Safety Code, 1981 Edition.
- The device protects covered conductor by shielding it from the usual concentration of arc energy generated during a lightning strike. Without the device, such arcs can puncture the conductor cover and ground to the neutral leaving a short section of conductor strands that are either completely destroyed or badly eroded and seriously weakened. (Conventional overcurrent protection equipment does not operate fast enough to protect these lightning exposed conductors.) APD lightning protectors add mass of the correct shape to the conductor in the area where it absorbs the terminus of arc energy. It is thus a partially sacrificed component during each strike yet retains enough of its original mass and configuration to accommodate several strikes without losing effectiveness or allowing the adjacent line insulator to be splattered with damaging metallic particles.
- APD lightning protectors are both laboratory tested and field proven with the same successful results. They are offered in two models. The high energy APD-80 model is designed to withstand multiple operations at 21,000 amperes fault current for ten (10) cycles without conductor damage. A low-energy APD-57 model is available for applications where fuses limit the destructive energy by clearing the fault more rapidly than circuit breakers.



Three Phase Pole Top with APD Lightning Protectors in Place. (Only one unit is required on the load side of the line at each support for a radial circuit)





Material: **Castings** – Aluminum Alloy
Hardware—APD57 – Galvanized Steel
APD80 – Stainless Steel

Note: A radial circuit requires an APD protector on the load side of the insulator only, while other circuit configurations, such as loops, require that they be installed on both sides of the line insulator. In both situations, they must be installed on all conductor phases and positioned outside the end of a tie wire. The covering must be stripped away over this distance including the area within the confines of a tie wire. Since an arc from one phase to the neutral will often expand to fault all three phases, the device must be installed on all three phases.

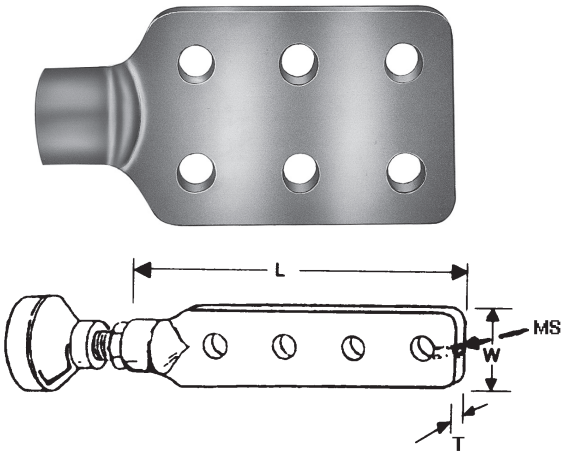
Product Data & Conductor Size

CATALOG NUMBER (WITH INHIBITOR)	MAX. O.D. OF CABLE JACKET—INCHES	CONDUCTOR RANGE O.D. IN INCHES	DIMENSION B—INCHES (MM)	APPROX. WT. 100 LBS. (KG)
(1) APD57XB (Fused circuits)	0.906	#1-4/0 STR. AAC #2-4/0 ACSR 0.31-0.57	1.06 (27)	24 (11)
APD80XB	1.200	2/0-556.5 Str. AAC 1/0-477 (18/1) ACSR 0.39-0.86	1.87 (48)	66 (30)

(1) This item is suitable for use on fused circuits only. Specifically, it should not be installed on lines protected by circuit breakers because of their relatively slow interrupting rate.

TINNED ALUMINUM OR BRONZE TRANSFORMER SPADE TERMINALS TYPE AXS & BXS

BRONZE	ALUMINUM
BXS	AXS



- Secured by jam nut to bushing stud.
- Recommended when copper terminals are connected (Use "AXS" style for aluminum terminals.)
- Terminal lug mounting holes are 9/16" diameter with 1-3/4" NEMA spacing. Jam nuts are usually supplied by the transformer manufacturer and are not furnished unless specified.

Material: - Bronze Alloy (tin-plated)
- Aluminum Alloy (tin-plated)

Notes: (1) Terminals for 1-1/4" – 12 bushing studs can be furnished with a 1/4" – 20 tapped hole in the outer end to attach an insulated suspension support rod for mechanical support. Add suffix "-MS" for this option.
(2) Add suffix "JN" to specify a factory applied brass jam nut.

Product Data & Conductor Size

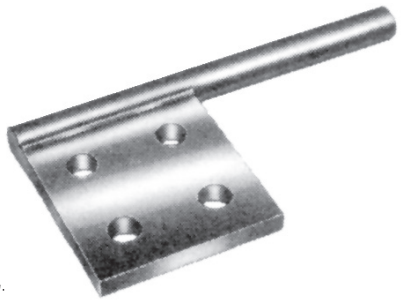
CATALOG NUMBER	X'FORMER STUD SIZE	GENERAL DESCRIPTION & FIELD APPLICATION	DIMENSIONS INCHES (MM) LENGTH	WIDTH	HEIGHT	APPROX. WT. 100 LBS. (KG)
BXS582N	5/8"-11	Two Holes in Line NEMA Spaced For Use With One Hole Lugs	5.12 (130)	1.37 (35)	0.31 (8)	70 (32)
BXS102N	1"-14		5.06 (129)	1.93 (49)	0.34 (9)	142 (64)
BXS584N	5/8"-11	Four Holes in Line NEMA Spaced For Use With One Hole Lugs	8.50 (216)	1.37 (35)	0.31 (8)	120 (54)
BXS104N	1"-14		8.56 (218)	1.93 (49)	0.34 (9)	215 (98)
AXS584NTP	5/8"-11		8.50 (216)	1.37 (35)	0.31 (8)	36 (16)
AXS104NTP	1"-14		8.56 (218)	2.00 (50)	0.34 (9)	65 (29)
BXS582BN	5/8"-11	Two Sets of NEMA Spaced Holes Mounts Up to 4 Two-Holed Lugs	5.37 (136)	3.50 (89)	0.25 (6)	132 (60)
BXS102BN	1"-14		5.87 (149)	3.50 (89)	0.37 (9)	260 (118)
AXS582BNTP	5/8"-11		5.37 (136)	3.50 (89)	0.25 (6)	39 (18)
BXS583BN	5/8"-11	Three Sets of NEMA Spaced Holes Mounts Up to 6 Two-Holed Lugs	6.62 (168)	3.50 (89)	0.37 (9)	256 (116)
BXS103BN	1"-14		7.00 (178)	3.50 (89)	0.37 (9)	315 (143)
AXS103BNTP	1"-14		7.00 (178)	3.50 (89)	0.37 (9)	94 (43)
BXS584BN	5/8"-11	Four Sets of NEMA Spaced Holes Mounts Up to 8 Two-Holed Lugs	8.37 (213)	3.50 (89)	0.37 (9)	330 (150)
BXS104BN	1"-14		8.75 (222)	3.50 (89)	0.37 (9)	362 (164)
BXS123BN	1-1/4"-12	Three Sets of NEMA Spaced Holes Mounts Up to 6 Two-Holed Lugs Or Up to 12 Two-Holed Lugs If Stacked	7.12 (181)	3.50 (89)	0.37 (9)	345 (156)
BXS124BN	1-1/4"-12	Four Sets of NEMA Spaced Holes Mounts Up to 8 Two-Holed Lugs Or Up to 16 Two-Holed Lugs If Stacked	9.12 (232)	3.50 (89)	0.37 (9)	445 (202)
BXS126BN	1-1/4"-12	Six Sets of NEMA Spaced Holes Mounts Up to 12 Two-Holed Lugs Or Up to 24 Two-Holed Lugs If Stacked	14.00 (356)	4.00 (102)	0.50 (13)	970 (440)
BXS128BN	1-1/4"-12	Eight Sets of NEMA Spaced Holes Mounts Up to 16 Two-Holed Lugs Or Up to 32 Two-Holed Lugs If Stacked	17.50 (445)	4.00 (102)	0.50 (13)	1300 (590)

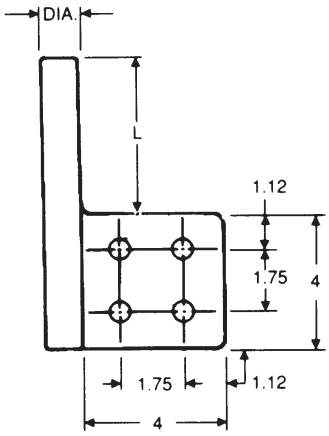
OVERHEAD TRANSFORMER PAD ADAPTER CONNECTORS TIN-PLATED BRONZE FLAG ADAPTERS USE W/EYEBOLT (GTCL/GTCS) TYPE SECONDARY BUSHING TERMINALS

BRONZE
VF

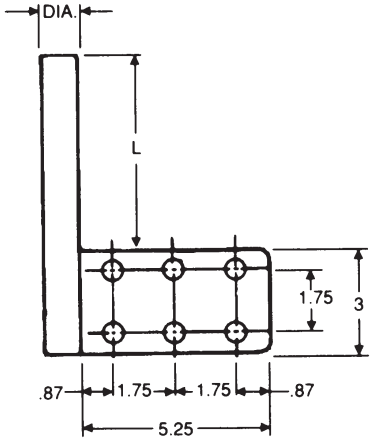
- Bronze terminal adapter for connecting a flat pad to NEMA secondary transformer terminal
- Optional for use with Type GTCL or GTCS terminals.

Material: – Bronze Alloy (tin-plated)





VF4



VF6

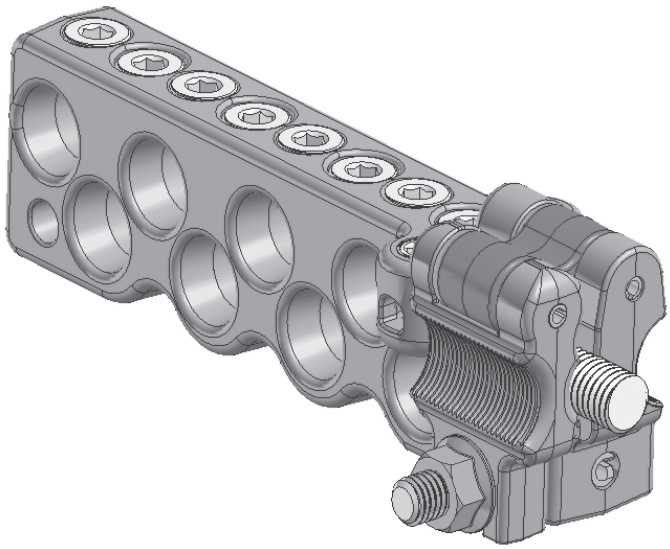
Product Data & Conductor Size

CATALOG NUMBER	NEMA DRILLED PAD & ROD DESCRIPTION	TRANSFORMER SIZE RATING (SINGLE PHASE)	DIMENSIONS INCHES (MM)		APPROX. WT. 100 LBS. (KG)
			L	DIA.	
VF440	4 Hole 4" x 4" x 1/4" Pad	5-15 KVA	2.25 (57)	.50 (13)	165 (75)
VF640	6 Hole 3" x 5-1/4" x 1/4" Pad				180 (82)
VF4350	4 Hole 4" x 4" x 1/4" Pad	25-50 KVA	2.75 (70)	.75 (20)	216 (98)
VF6350	6 Hole 3" x 5-1/4" x 1/4" Pad				231 (105)
VF4500	4 Hole 4" x 4" x 1/4" Pad	75 KVA	4.00 (102)	.81 (21)	245 (111)
VF6500	6 Hole 3" x 5-1/4" x 1/4" Pad				260 (118)
VF41000	4 Hole 4" x 4" x 1/4" Pad	100 KVA	4.00 (102)	1.00 (25)	312 (142)
VF61000	6 Hole 3" x 5-1/4" x 1/4" Pad				327 (148)

SET SCREW BAR TRANSFORMER CONNECTORS TOGGLE LATCH

ALUMINUM

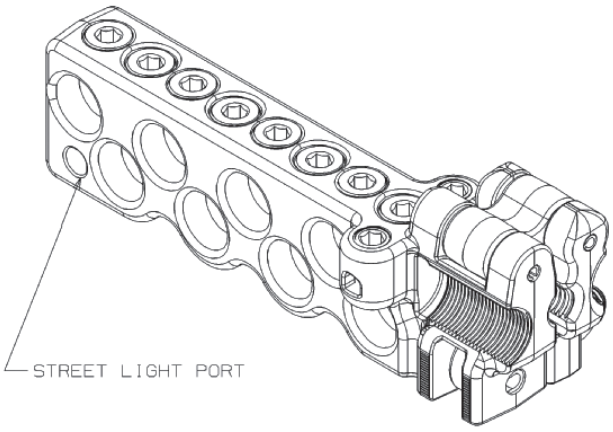
UTSB

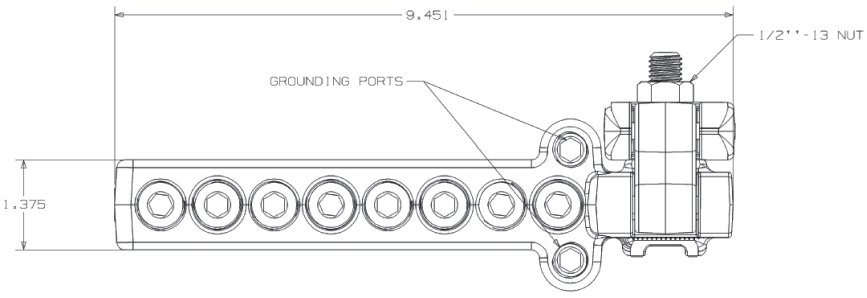


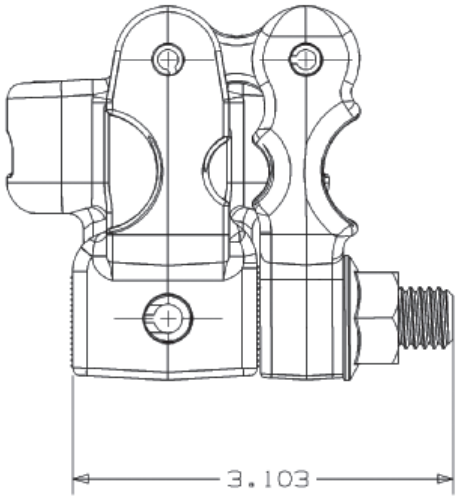
- For connecting secondary underground applications to transformer studs.
- Innovative "Toggle Latch" mechanism provides unmatched ease of installation, along with superior electrical performance.
- One part accepts both 5/8"-11 and 1"-14 threads.
- Reduced inventory; one part accepts both 5/8"-11 and 1"-14 thread transformer studs.
- Oxide Inhibiting Compound provided as standard in stud and tap holes.
- 5/16" allen set screws provide constant pressure on conductors.
- Testing meets or exceeds ANSI C119.6 Class "A" tests.
- Redundant ground ports provided for use on neutral phase connections.
- Toggle nut is 3/4" across flats, fits standard GP223 Speed Wrench.

Material: **Body** – Aluminum Alloy
Hardware – High Strength Steel
Boot/Cover – Poly-vinyl Chloride (PVC)

Note: Not suitable for submersible installations.







Product Data & Conductor Size

CATALOG NUMBER	TRANS-FORMER STUD SIZES	CONDUCTOR RANGE			MAIN PORTS	STREET LIGHT PORTS	GROUND PORTS	PACKAGING PER BOX	
		MAIN PORTS	STREET LIGHT PORT	REDUNDANT GROUND				UNITS	WEIGHT (LBS)
UTSB8500L	5/8"-11 & 1"-14"	#6 SOL - 500 MCM	#12 SOL - 1/0 SOL	#12 SOL - #2 SOL	8	1	2	12	36
		0.162" - 0.813"	0.081" - 0.325"	0.081" - 0.258"					

NOTE: Add suffix "C" for clear PVC cover included in package "UTSB8500CL. Factory applied inhibitor (HTJC) included standard. Cover Part Number: CTL8500

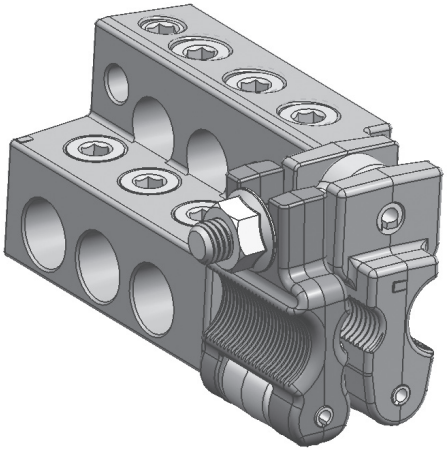
SET SCREW BAR TRANSFORMER CONNECTORS TOGGLE LATCH

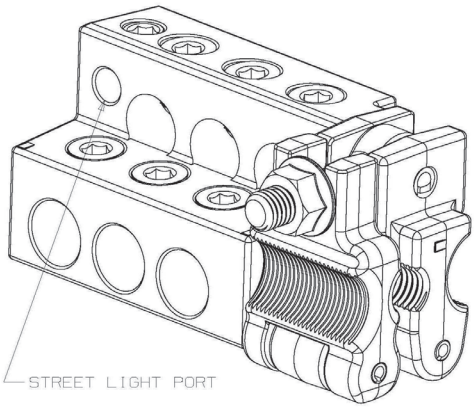
ALUMINUM
UTZB

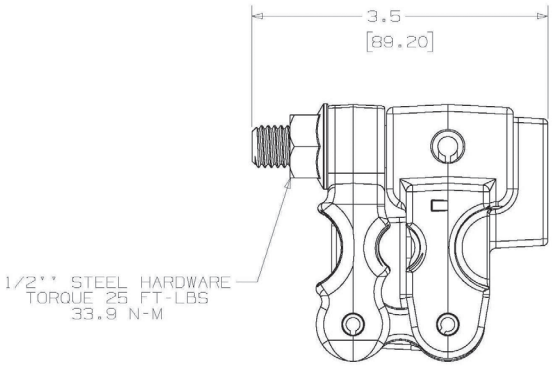
- For connecting secondary underground applications to transformer studs.
- Innovative "Toggle Latch" mechanism provides unmatched ease of installation, along with superior electrical performance.
- Reduced inventory; one part accepts both 5/8"-11 and 1"-14 thread transformer studs.
- Oxide Inhibiting Compound provided as part of standard in stud and tap holes.
- Allen head set screws (fits 5/16" allen wrench) provide constant pressure on conductors.
- Meets or exceeds ANSI C119.6 Class "A" tests.
- Toggle nut is 3/4" across flats, fits standard GP223 Speed Wrench.

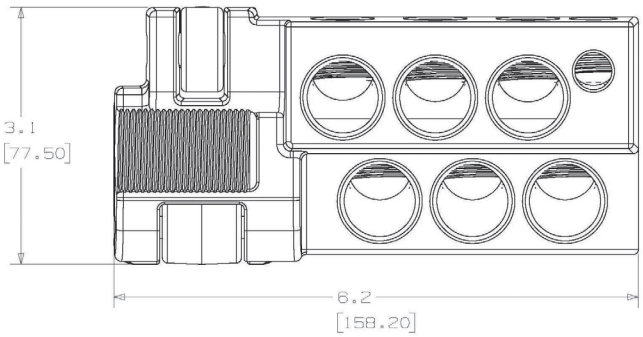
Material: **Body** – Aluminum Alloy
Set Screws – Aluminum Alloy
Hardware – High Strength Steel
Boot/Cover – Poly-vinyl Chloride (PVC)

Note: Not suitable for submersible installations.









Units are expressed in inches (millimeters)

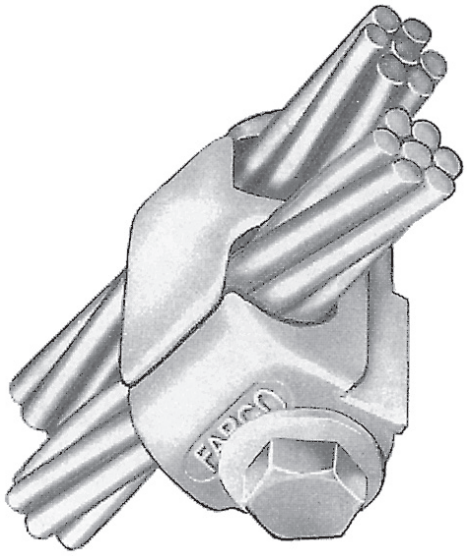
Product Data & Conductor Size

CATALOG NUMBER	TRANSFORMER STUD SIZES	CONDUCTOR RANGE		MAIN PORTS	STREET LIGHT PORTS	PACKAGING PER BOX	
		MAIN PORTS	STREET LIGHT PORT			UNITS	WEIGHT (LBS)
UTZB6500L	5/8"-11 & 1"-14"	#6 SOL - 500 MCM	#12 SOL - 1/0 SOL	6	1	12	32
		0.162" - 0.813"	0.081" - 0.325"				

NOTE: Add suffix "C" for kit with stud bar & clear PVC cover (UTZB6500CL). Factory applied inhibitor (HTJC) included standard. Cover Part Number: CZTL6500

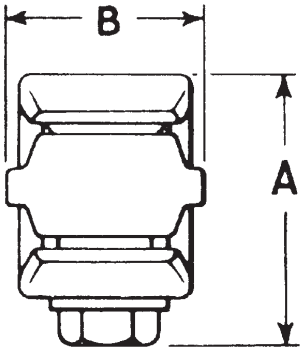
GENERAL USE
VISE TYPE PARALLEL GROOVE
BRONZE

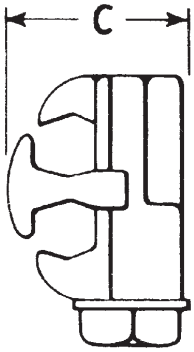
BRONZE
GC8000



For copper to copper conductor - splice, loop deadend or service entrance taps.

Material: **Castings** – Copper Alloy
Hardware – Stainless Steel
Galvanized Steel
Silicon Bronze





Product Data & Conductor Size

CATALOG NUMBER	*CONDUCTOR RANGE (AWG)			APPROX. DIMENSIONS INCHES			BOLT SIZE	BOLT HEAD (HEX)	WT. LBS. (KG)
	MAIN		MIN.						
	SOL.	STR.	SOL.	A (MM)	B (MM)	C (MM)			
GC8002*GL	2	3	8	1 3/8 (34.99)	1 1/4 (31.81)	7/8 (22.27)	5/16 (7.95)	9/16 (14.32)	.16 (.07)
GC8010*GL	1/0	1	8	1 1/2 (38.18)	1 3/8 (34.99)	1 (25.45)	5/16 (7.95)	9/16 (14.32)	.24 (.11)
GC8020*GL	3/0	2/0	8	1 3/4 (44.54)	1 3/8 (34.99)	1 1/8 (28.63)	5/16 (7.95)	9/16 (14.32)	.33 (.15)
GC8040*GL	4/0	4/0	6	2 3/8 (60.44)	1 1/2 (38.18)	1 1/2 (38.18)	3/8 (9.54)	9/16 (14.32)	.62 (.28)

*For Tin-plated Connectors replace * with "P" in Catalog Number.*
***RUS Listed*

Conductor Range
Each size will close on two of the maximum size conductors, one minimum and one maximum size, or combinations in between.

Inhibitor Protected and Bagged
All connectors come with factory installed HTJC inhibitor and individually packaged.

GENERAL USE PARALLEL GROOVE ALUMINUM MULTIPLE U-BOLTS WITH COPPER LINER

ALUMINUM
LCC

For aluminum to copper conductor connections only.
Sealant (XB) is recommended on all connections.

Material: **Body** – Top member 356-T6 Aluminum Alloy
Spacer – Aluminum Alloy with a metallurgically bonded Copper liner
Bottom Member – High Strength Bronze
Hardware – Galvanized Steel

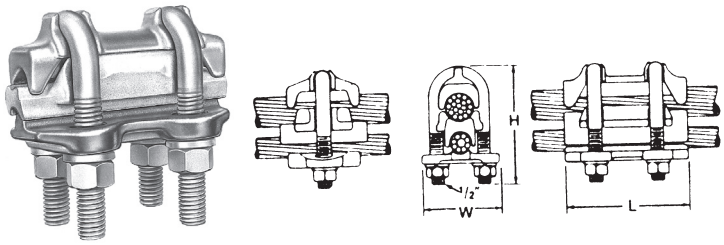


FIGURE 1 FIGURE 2

Product Data & Conductor Size

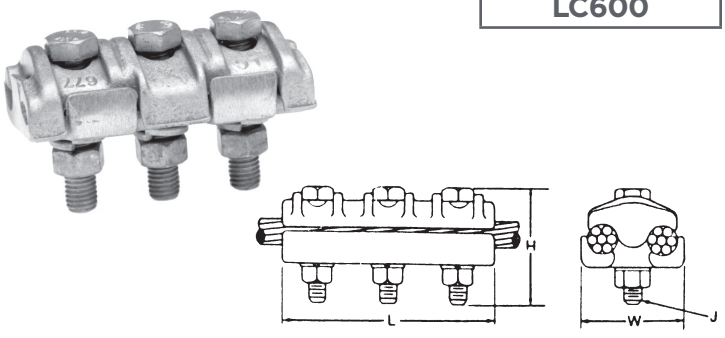
CATALOG NUMBER	FIGURE NUMBER	CONDUCTOR RANGE		DIMENSIONS INCHES (MM)			APPROX. WT. EACH LBS. (KG)
		MAIN	TAP	L	W	H	
LCC111XB	1	#6 Sol.—2/0 Str. AAC #8 Sol.—2/0 (6/1) ACSR	#8 Sol.—2/0 Str. CU	2 (50.80)	2-5/16 (58.74)	3-1/2 (88.90)	.77 (.35)
LCC221XB	1	1/0 Str.—400 MCM AAC 1/0 (6/1)—397.5 (18/1)ACSR	#4 Sol.—4/0 Str. CU	2-1/2 (63.50)	2-11/16 (68.26)	4 (101.60)	1.11 (.50)
LCC222XB	2	1/0 Str.—400 MCM AAC 1/0 (6/1)—397.5 (18/1) ACSR	#4 Sol.—4/0 Str. CU	3-7/8 (98.43)	2-3/4 (69.85)	4 (101.60)	1.68 (.76)
LCC231XB	1	1/0 Str.—400 MCM AAC 1/0 (6/1)—397.5 (18/1) ACSR	1/0 Str.—500 MCM CU	2-1/2 (63.50)	2-11/16 (68.26)	4 (101.60)	1.24 (.56)
LCC242XB	2	1/0 Str.—400 MCM AAC 1/0 (6/1)—397.5 (18/1) ACSR	400—800 MCM CU	4-1/8 (104.78)	2-11/16 (68.26)	4-1/4 (107.95)	2.10 (.95)
LCC332XB	2	336.4—954 MCM AAC 300—795 MCM ACSR	1/0 Str.—400 MCM CU	4-5/8 (117.48)	3-1/16 (77.79)	4-5/8 (117.48)	2.88 (1.31)

GENERAL USE PARALLEL GROOVE ALUMINUM THREE CENTER BOLTS WITH COPPER LINER

ALUMINUM
LC600

For aluminum to copper conductor connections only.
Sealant (XB suffix) is recommended on all connections.

Material: **Body** – 356-T6 Aluminum Alloy
Hardware – Hot Dip Galvanized Steel
Tap Liner – Copper, Metallurgically Bonded



Product Data & Conductor Size

CATALOG NUMBER	CONDUCTOR RANGE		DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
	MAIN	TAP	L	W	H	J	
LC677XB	1/0 (19)—336.4 MCM AAC 1/0—300 MCM ACSR	1/0 (7)—250 Str. CU	4-3/8 (111.13)	2-5/16 (58.74)	2-1/2 (63.5)	1/2 (12.7)	1.35 (.61)

GENERAL USE – PARALLEL GROOVE – ALUMINUM SINGLE CENTER BOLT

ALUMINUM
LC50 & LC80

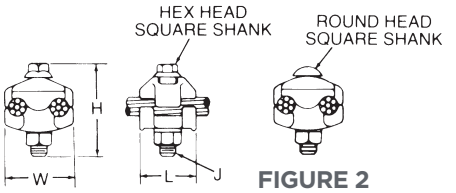
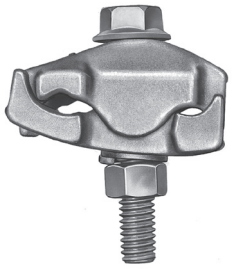


FIGURE 2



For aluminum to aluminum and aluminum to copper conductor splice/tap connections. Sealant (XB) is recommended on all connections.

Material: **Body** – Aluminum Alloy
Hardware – Galvanized Steel

Notes:
1) For connectors without sealant, delete suffix "XB."
2) Add suffix "GP" for a tin-plated connector.
3) Plastic Cover Available. (See Type PTC Cover)

Product Data & Conductor Size

CATALOG NUMBER	FIGURE NUMBER	CONDUCTOR RANGE		DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
		MAIN	TAP	L	W	H	J	
LC51AXB**	1	#8 Sol.—1/0 Str. AAC #8—1/0 ACSR	#8 Sol.—#2 Str. AAC #8—#2 ACSR #8 Sol.—#2 Str. Cu	1-1/8 (28.58)	1-13/32 (35.72)	1-1/2 (38.10)	5/16 (8.0)	.14 (.06)
LC51CXB**	1	#8 Sol.—1/0 Str. AAC #8—1/0 ACSR	#8 Sol.—1/0 Str. AAC #8—1/0 ACSR #8 Sol.—1/0 Str. Cu	1-1/4 (31.76)	1-17/32 (38.89)	2 (50.80)	3/8 (9.53)	.19 (.09)
LC52AXB**	1	#8 Sol.—2/0 Str. AAC #8—2/0 ACSR	#8 Sol.—2/0 Str. AAC #8—2/0 ACSR #8 Sol.—2/0 Str. Cu	1-3/8 (34.93)	1-21/32 (42.07)	2 (50.80)	3/8 (9.53)	.22 (.10)
LC52CXB**	1	#1 Sol. —400 MCM AAC #1—336.4 MCM ACSR	#8 Sol.—2/0 Str. AAC #8—2/0 ACSR #8 Sol.—2/0 Str. Cu	2 (50.80)	2-11/32 (51.60)	2-1/4 (57.15)	3/8 (9.53)	.28 (.13)
LC53AXB**	2	#1 Sol. —400 MCM AAC #1—336.4 MCM ACSR	#1 Sol. —400 MCM AAC #1—336.4 MCM ACSR #1 Sol.—400 MCM Cu	2 (50.80)	2-11/32 (59.53)	2-1/2 (63.50)	1/2 (12.70)	.41 (.19)
LC83AXB**	2	397.5—954 MCM AAC 336.4—795 MCM ACSR	#8 Sol.—2/0 Str. AAC #8—2/0 ACSR #8 Sol.—2/0 Str. Cu	1-1/2 (38.1)	2-17/32 (64.29)	2-3/4 (69.85)	1/2 (12.70)	.54 (.24)

***RUS Listed*

GENERAL USE – PARALLEL GROOVE – ALUMINUM SINGLE CENTER BOLT WITH COPPER LINER

ALUMINUM
LC500 & LC800

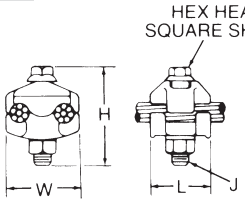


FIGURE 1

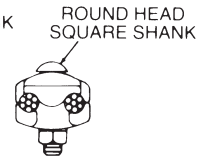


FIGURE 2

For aluminum to copper conductor connections only. Sealant (XB) is recommended on all connections.

Material: **Body** – Aluminum Alloy
Hardware – Galvanized Steel
Tap Liner – Copper metallurgically bonded

Product Data & Conductor Size

CATALOG NUMBER	FIGURE NUMBER	CONDUCTOR RANGE		DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
		MAIN	TAP	L	W	H	J	
LC511AXB**	1	#6 Sol.—1/0 Str. AAC #8—1/0 ACSR	#8 Sol.—#2 Str. Cu	1-1/8 (28.58)	1-5/16 (33.34)	1-1/2 (38.10)	5/16 (8.0)	.14 (.06)
LC522AXB**	1	#6 Sol.—1/0 Str. AAC #8—1/0 ACSR	#8 Sol.—1/0 Str. Cu	1-3/8 (34.93)	1-21/32 (42.07)	2 (50.80)	3/8 (9.53)	.22 (.10)
LC542XB	1	#6 Sol.—1/0 Str. AAC #8—1/0 ACSR	1/0 Str.—4/0 Str. Cu	1-3/16 (30.16)	1-25/32 (45.24)	2 (50.80)	3/8 (9.53)	.24 (.11)
LC811AXB**	1	#1 Sol.—400 MCM AAC #1—336.4 MCM ACSR	#8 Sol.—1/0 Str. Cu	1-1/4 (31.75)	2-1/32 (51.59)	2-1/4 (57.15)	3/8 (9.53)	.29 (.13)
LC822XB	2	#1 Sol.—400 MCM AAC #1—336.4 MCM ACSR	#8 Sol.—2/0 Str. Cu	2-1/4 (57.15)	2-7/32 (56.36)	2-1/2 (63.50)	1/2 (12.70)	.46 (.21)
LC833XB**	2	397.5—954 MCM AAC 336.4—795 MCM ACSR	#8 Sol.—2/0 Str. Cu	2-1/2 (63.50)	2-17/32 (64.29)	2-3/4 (69.85)	1/2 (12.70)	.54 (.24)

***RUS Listed*

GENERAL USE PARALLEL GROOVE – ALUMINUM MULTIPLE CENTER BOLTS

ALUMINUM
LC60/GA600

For aluminum to aluminum and aluminum to copper conductor splice/tap connectors. Sealant (XB) is recommended on all connections.

Material: **Body** – Aluminum Alloy
Hardware – Galvanized Steel

Notes: 1) For connectors without sealant, delete suffix "XB."
2) Add suffix "GP" for a tin-plated connector.

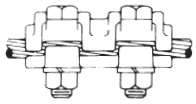


FIGURE 1

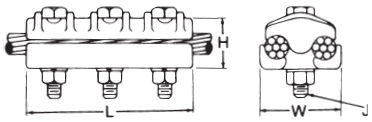
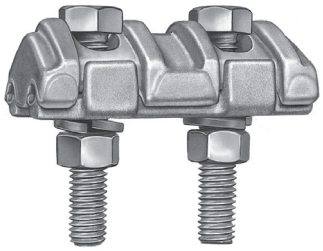


FIGURE 2



Product Data & Conductor Size

CATALOG NUMBER	FIGURE NO.	CONDUCTOR RANGE		DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
		MAIN	TAP	L	W	H	J	
GA670L	1	1/0—400 AAC 1/0—336.4 (18/1) ACSR	1/0—400 AAC 1/0—336.4 (18/1) ACSR	3-1/4 (82.71)	2-1/4 (57.26)	2-3/4 (69.85)	3/8 (9.53)	.60 (.27)
LC66AXB	1	1/0 (19)—400 MCM AAC 1/0—397.5 (18/1) ACSR	1/0 (19)—400 MCM AAC 1/0—397.5 (18/1) ACSR 1/0 Sol.—400 MCM Cu	3-1/2 (88.90)	2-3/8 (60.44)	2-3/4 (69.85)	1/2 (12.70)	1.10 (.50)
LC67AXB	2			5-1/4 (133.35)	2-5/8 (66.80)	2-1/2 (63.5)	1/2 (12.70)	1.30 (.59)
LC68AXB	2	350 —556.5 MCM AAC 336.4 (18/1)—477 (30/7) ACSR	350—556.5 MCM AAC 336.4 (18/1)—477 (30/7) ACSR 350—550 MCM Cu	5-1/4 (133.35)	2-13/16 (71.44)	2-1/2 (63.5)	1/2 (12.70)	1.90 (.86)

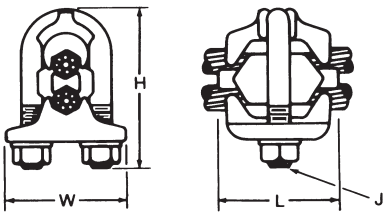
DD 19

GENERAL USE PARALLEL GROOVE – ALUMINUM SINGLE U-BOLT

ALUMINUM
LC70

For aluminum to aluminum and aluminum to copper conductor splice/tap connections and also aluminum or ACSR loop dead-ends. Sealant (XB) is recommended on all connections, except loop dead-ends.

Material: **Body** – Top, spacer & bottom members—Aluminum Alloy
Hardware – Galvanized Steel



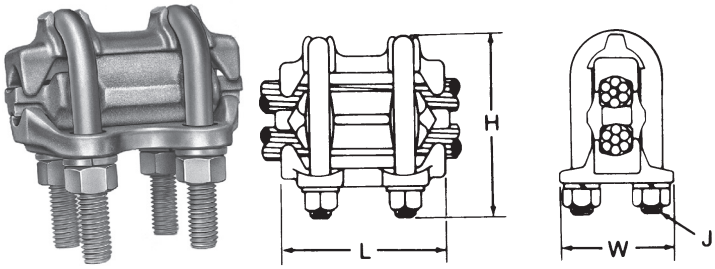
Product Data & Conductor Size

CATALOG NUMBER	CONDUCTOR RANGE		DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
	MAIN	TAP	L	W	H	J	
LC71B**	#6 Sol.—2/0 Str. AAC #8—2/0 ACSR	#6 Sol.—2/0 Str. AAC #8—2/0 ACSR	2 (50.80)	2 (50.80)	3-1/4 (82.55)	3/8 (9.53)	.43 (.20)
LC72B	#6 Sol.—2/0 Str. AAC #8—2/0 ACSR	#6 Sol.—2/0 Str. AAC #8—2/0 ACSR	2-1/4 (57.15)	2-1/4 (57.15)	3-3/8 (85.73)	1/2 (12.70)	.77 (.35)
LC73B	1/0 Sol.—400 MCM AAC 1/0—336.4 MCM ACSR	#6 Sol.—1/0 Str. AAC #8—1/0 ACSR	2-3/4 (69.85)	2-5/8 (66.68)	4 (101.60)	1/2 (12.70)	1.12 (.51)
LC74B**	1/0 Sol.—400 MCM AAC 1/0—336.4 MCM ACSR	1/0 Sol.—400 MCM AAC #2—336.4 MCM ACSR	2-3/4 (69.85)	2-5/8 (66.68)	4 (101.60)	1/2 (12.70)	1.21 (.55)
LC75B	336.4—954 MCM AAC 300—795 MCM ACSR	#6 Sol.—1/0 Str. AAC #8—1/0 ACSR	3-1/4 (82.55)	3 (76.20)	4-5/8 (117.48)	1/2 (12.70)	1.43 (.65)
LC77B	336.4—1033.5 MCM AAC 300—954 (45/7) ACSR	336.4—1033.5 MCM AAC 300—954 (45/7) ACSR	3-1/2 (88.90)	3-3/8 (85.73)	5-3/8 (136.53)	5/8 (15.88)	1.97 (.89)

***RUS Listed*

GENERAL USE PARALLEL GROOVE – ALUMINUM TWO U-BOLT

ALUMINUM
LCU10



For aluminum to aluminum and aluminum to copper conductor splice/tap connections. Sealant (XB) is recommended on all connections.

Material: **Body** – Top, spacer & bottom members—Aluminum Alloy
Hardware – Aluminum Alloy

Note: For connectors without sealant, delete suffix "XB."

Product Data & Conductor Size

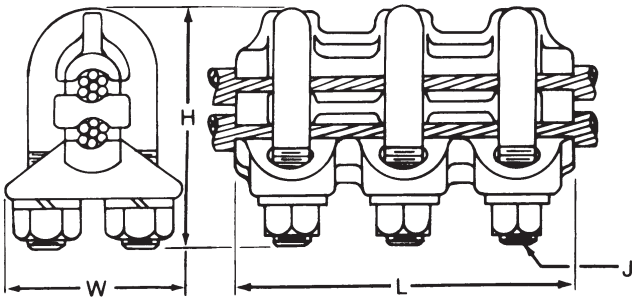
CATALOG NUMBER	CONDUCTOR RANGE		DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
	MAIN	TAP	L	W	H	J	
LCU13XB	1/0 Str.—400 MCM AAC 1/0—397.5 (18/1) ACSR	1/0 Str.—400 MCM AAC 1/0—397.5 (18/1) ACSR 1/0 Str.—400 MCM Cu	4-1/8 (104.78)	2-11/16 (68.26)	4-1/2 (114.30)	1/2 (12.70)	1.07 (.49)
LCU15XB	336.4—954 MCM AAC 300—795 MCM ACSR	1/0 Str.—400 MCM AAC 1/0—397.5 (18/1) ACSR 1/0 Str.—400 MCM Cu	4-5/8 (117.48)	3-1/16 (77.79)	4-7/8 (123.83)	1/2 (12.70)	1.84 (.83)
LCU16XB		336.4—954 MCM AAC 300—795 MCM ACSR 350—900 MCM Cu	4-5/8 (117.48)	3-7/16 (87.31)	5-1/2 (139.70)	5/8 (15.88)	1.86 (.84)

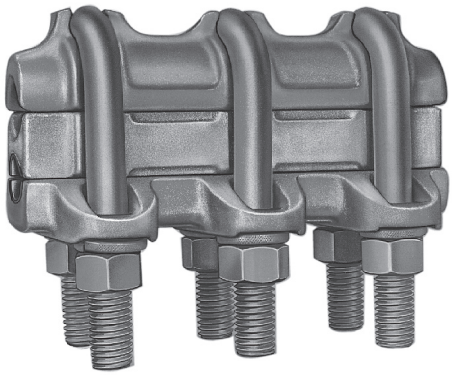
GENERAL USE PARALLEL GROOVE – ALUMINUM 3 U-BOLT

ALUMINUM
LCU700

For aluminum to aluminum and aluminum to copper conductor splice/ tap connections. Sealant (XB) is recommended on all connections.

Material: **Body** – Top, spacer & bottom members—Aluminum Alloy
Hardware – Aluminum Alloy





DD 21

Product Data & Conductor Size

CATALOG NUMBER	CONDUCTOR RANGE		DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
	MAIN	TAP	L	W	H	J	
LCU70055XB	450—800 MCM AAC 397.5—715.5 MCM ACSR	450—800 MCM AAC 397.5—715.5 MCM ACSR	5-7/8 (149.23)	3-1/8 (79.38)	4-11/16 (119.06)	5/8 (15.88)	2.87 (1.30)
LCU70063XB	750—1033.5 MCM AAC 605—900 MCM ACSR	4/0 Sol. — 350 MCM AAC 3/0 — 336.4 (18/1) ACSR	6-3/4 (171.45)	3-5/16 (84.14)	5-1/8 (130.18)	5/8 (15.88)	3.25 (1.47)
LCU70064XB		350—477 MCM AAC 336.4—397.5 MCM ACSR	6-3/4 (171.45)	3-5/16 (84.14)	5-1/8 (130.18)	5/8 (15.88)	3.25 (1.47)
LCU70065XB		450—715.5 MCM AAC 397.5 — 605 MCM ACSR	6-3/4 (171.45)	3-5/16 (84.14)	5-1/8 (130.18)	5/8 (15.88)	3.50 (1.59)
LCU70066XB		750—1033.5 MCM AAC 605—900 MCM ACSR	6-3/4 (171.45)	3-5/16 (84.14)	5-1/2 (139.70)	5/8 (15.88)	3.50 (1.59)
LCU70074XB	1113—1351.5 MCM AAC 954—1192.5 MCM ACSR	350—477 MCM AAC 336.4—397.5 MCM ACSR	8 (203.20)	3-7/8 (98.43)	6 (152.40)	3/4 (19.05)	6.35 (2.88)
LCU70076XB		750—1033.5 MCM AAC 605—900 MCM ACSR	8 (203.20)	3-7/8 (98.43)	6 (152.40)	3/4 (19.05)	6.50 (2.95)
LCU70077XB		1113—1351.5 MCM AAC 954—1192.5 MCM ACSR	8 (203.20)	3-7/8 (98.43)	6-3/8 (161.93)	3/4 (19.05)	6.50 (2.95)
LCU70085XB	1431—1750 MCM AAC 1272—1590 MCM ACSR	450—715.5 MCM AAC 397.5 — 605 MCM ACSR	9-3/4 (231.78)	4-1/8 (104.78)	5-3/4 (146.05)	3/4 (19.05)	8.50 (3.86)
LCU70086XB		750—1033.5 MCM AAC 605—900 MCM ACSR	9-3/4 (231.78)	4-1/8 (104.78)	6-3/8 (161.93)	3/4 (19.05)	8.50 (3.86)
LCU70087XB		1113—1351.5 MCM AAC 954—1192.5 MCM ACSR	9-3/4 (231.78)	4-1/8 (104.78)	6-3/8 (161.93)	3/4 (19.05)	8.75 (3.97)
LCU70088XB		1431—1750 MCM AAC 1272—1590 MCM ACSR	9-3/4 (231.78)	4-1/8 (104.78)	6-3/8 (161.93)	3/4 (19.05)	8.75 (3.97)
LCU7001006XB	2000—2500 MCM AAC 1780—2156 ACSR	750—1033.5 MCM AAC 605—900 MCM ACSR	10 (254.0)	4-3/8 (111.12)	7 (177.8)	3/4 (19.05)	7.85 (3.53)
LCU7001007XB		1113—1351.5 MCM AAC 954—1192.5 MCM ACSR	10 (254.0)	4-3/8 (111.12)	7 (177.8)	3/4 (19.05)	7.85 (3.53)
LCU7001010XB		2000—2500 MCM AAC 1780—2156 MCM ACSR	10 (254.0)	4-3/8 (111.12)	7 (177.8)	3/4 (19.05)	6.85 (3.08)

BRONZE/ALUMINUM

SBS

GENERAL USE
SPLIT BOLT WITH SEPARATOR BAR: ALUMINUM AND BRONZE

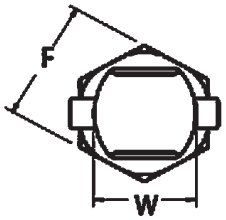
LISTED
261L

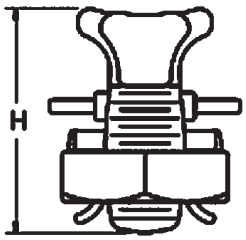
For copper to copper conductors.

Material: Copper Alloy, Electro Tin-Plated

Note: VERSA-SEAL® oxide inhibiting compound is recommended for use with Al/Cu parallel connectors.

* Hex Head design for maximum tool ease of use.





DD 22

Product Data & Conductor Size

CATALOG NUMBER	CONDUCTOR RANGE OF EQUAL MAIN & TAP (AWG OR MCM)		MIN. TAP WITH ONE MAX. MAIN	BOLT SIZE	DIMENSIONS INCHES (MM)			APPROX. WT. EACH LBS. (KG)
	MIN.	MAX.			F	W	H	
SBS6	8	6*	14	7/16	5/8 (15.88)	.49 (12.45)	1.06 (26.92)	0.06 (.03)
SBS4	8	4	10	1/2	13/16 (20.63)	.71 (18.03)	1.24 (31.5)	0.09 (.04)
SBS2	6	2	14	9/16	7/8 (22.22)	.75 (19.05)	1.44 (36.58)	0.12 (.05)
SBS10	4	1/0	10	11/16	15/16 (23.81)	.79 (20.07)	1.73 (43.94)	0.18 (.08)
SBS20	2	2/0	8	3/4	1-1/16 (26.97)	.87 (22.10)	1.71 (43.43)	0.21 (.10)
SBS30	1	3/0	8	7/8	1-1/4 (31.75)	1.10 (27.94)	2.13 (54.10)	0.35 (.16)
SBS250	1	250	8	1	1-3/8 (34.93)	1.10 (27.94)	2.22 (56.39)	0.39 (.18)
SBS350	2/0	350	1/0	1-1/2	1-1/2 (38.01)	1.22 (30.99)	2.56 (65.02)	0.60 (.27)
SBS500	300	500	2/0	1-5/8	1-3/4 (44.45)	1.34 (34.04)	2.95 (74.93)	0.85 (.39)

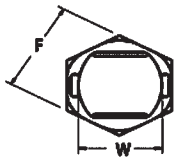
**AL9CU (90° C Rated)*
•• Not UL Listed or CSA certified for aluminum to copper connections. UL listed for copper connections only.

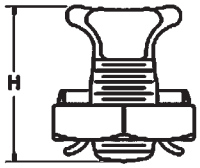
GENERAL USE
SPLIT BOLT CONNECTOR — BRONZE

BRONZE
SBN

For copper to copper conductors.

Material: **Body** – Copper Alloy





LISTED 261L

Product Data & Conductor Size

CATALOG NUMBER	CONDUCTOR RANGE OF EQUAL MAIN & TAP (AWG OR MCM)		MIN. TAP WITH ONE MAX. MAIN	BOLT SIZE	DIMENSIONS INCHES (MM)			APPROX. WT. EACH LBS. (KG)
	MIN.	MAX.			F	W	H	
SBN8	10	8	16	3/8	9/16 (14.29)	.47 (12)	.85 (21.59)	0.04 (.02)
SBN6	8	6*	16	7/16	5/8 (15.88)	.49 (12.45)	.91 (23.11)	0.05 (.02)
SBN4	8	4	14	1/2	13/16 (20.63)	.71 (18.03)	1.16 (29.46)	0.08 (.04)
SBN2	6	2	14	9/16	7/8 (22.22)	.75 (19.05)	1.25 (31.75)	0.09 (.04)
SBN10	4	1/0	14	11/16	15/16 (23.81)	.79 (20.07)	1.54 (39.12)	0.14 (.06)
SBN20	2	2/0	14	3/4	1-1/16 (26.97)	.87 (22.10)	1.69 (42.93)	0.19 (.09)
SBN30	1	3/0	8	7/8	1-1/4 (31.75)	1.10 (27.94)	2.09 (53.09)	0.30 (.14)
SBN250	1	250	8	1	1-3/8 (34.93)	1.10 (27.94)	2.09 (53.09)	0.34 (.15)
SBN350	2/0	350	1/0	1-1/2	1-1/2 (38.01)	1.22 (30.99)	2.36 (59.94)	0.51 (.23)
SBN500	300	500	2/0	1-5/8	1-3/4 (44.45)	1.34 (34.04)	2.83 (71.88)	0.73 (.33)

**Solid Conductor*

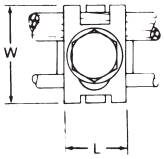
GENERAL USE PARALLEL GROOVE – BRONZE SINGLE CENTER BOLT

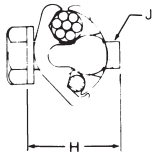
BRONZE
ST

For copper (Cu), Copperweld (CW) and guy strand (GS) connections.

Material: **Body** – High Strength Bronze Alloy
Hardware – Silicon Bronze or Stainless Steel

Note: Add Suffix "TP" for Tin-Plated Version.



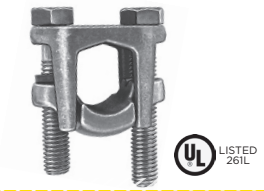


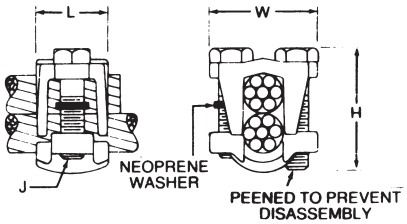
Product Data & Conductor Size

CATALOG NUMBER	CONDUCTOR RANGE (AWG)		DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
	MAIN	TAP	L	W	H	J	
ST3	#8 Sol.—2/0 Str. Cu #8 A—2/0 F CW 1/8"—7/16" CW/GS .125"—.438	#8 Sol.—2/0 Str. Cu #9 1/2D—2/0 F CW 1/8"—7/16" CW/GS .125"—.438"	7/8 (22.2)	1-1/2 (38.1)	1-1/2 (38.1)	5/16 (7.9)	.22 (9.98)
ST4	#6 Sol.—4/0 Str. Cu #6A—4/0 F CW 1/4"—9/16" CW/GS .162"—.562"	#6 Sol.—4/0 Str. Cu #6A—4/0 F CW 1/4"—9/16" CW/GS .162"—.562"	15/16 (23.8)	1-7/8 (47.6)	1-1/2 (38.1)	3/8 (9.5)	.30 (13.61)

GENERAL USE – PARALLEL BRONZE

BRONZE
K, K_L





For copper to copper conductor connections.

Material: **Body** – High Strength Bronze Alloy
Retaining Ring – Neoprene Rubber
Hardware – Silicon Bronze

Note: "TP" = Tin-Plated Version.

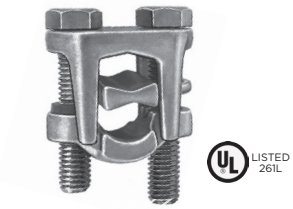
Product Data & Conductor Size

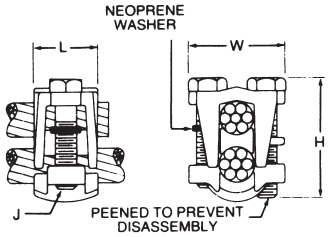
CATALOG NUMBER	CONDUCTOR RANGE (AWG)		DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
	MAIN	TAP	L	W	H	J	
K1	#4 Str.—1/0 Str. Cu	#8 Sol.—1/0 Str. Cu	15/16 (23.81)	1-5/16 (33.34)	1-5/16 (33.34)	5/16 (7.94)	.125 (.06)
K2	#3 Str.—2/0 Str. Cu	#8 Sol.—2/0 Str. Cu	1-1/16 (26.99)	1-5/8 (41.28)	1-21/32 (42.07)	3/8 (9.53)	.29 (.13)
K3	#1 Str.—4/0 Str. Cu	#8 Sol.—4/0 Str. Cu	1-1/8 (28.58)	1-3/4 (44.45)	1-15/16 (49.21)	3/8 (9.53)	.40 (.18)
K41	2/0 Str.—350 MCM Cu	#8 Sol.—350 MCM Cu	1-3/8 (34.93)	2-1/8 (53.98)	2-3/8 (60.33)	1/2 (12.70)	.655 (.30)
K5	3/0 Str.—500 MCM Cu	#8 Sol.—500 MCM Cu	1-1/2 (38.10)	2-1/4 (57.15)	2-11/16 (68.26)	1/2 (12.70)	.80 (.36)
K6	350—800 MCM Cu	#8 Sol.—800 MCM Cu	1-5/8 (41.28)	2-1/2 (63.50)	3-3/16 (80.96)	1/2 (12.70)	1.00 (.45)
K7	500—1000 MCM Cu	#8 Sol.—1000 MCM Cu	2 (50.80)	3 (76.70)	3-11/16 (93.66)	5/8 (15.88)	2.13 (.97)

** For equal length bolts (Separable), Add "L" Suffix.*
For Tin-Plating, add "TP" Suffix - Consult Factory.

GENERAL USE – PARALLEL BRONZE WITH SEPARATOR

BRONZE
KR





For copper to copper conductor connections.

Material: **Body** – High Strength Bronze Alloy
Separator – Copper Alloy
Retaining Ring – Neoprene Rubber
Hardware – Silicon Bronze

Product Data & Conductor Size

CATALOG NUMBER	CONDUCTOR RANGE (AWG OR MCM)		DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
	MAIN	TAP	L	W	H	J	
KR1	#4 Str.—1/0 Str. Cu	#8 Sol.—1/0 Str. Cu	15/16 (23.81)	1-5/16 (33.34)	1-1/2 (38.10)	5/16 (7.94)	.18 (.08)
KR2	#3 Str.—2/0 Str. Cu	#6 Sol.—2/0 Str. Cu	1-1/16 (26.99)	1-5/8 (41.28)	1-25/32 (45.24)	3/8 (9.53)	.35 (.16)
KR3	#1 Str.—4/0 Str. Cu	#6 Sol.—4/0 Str. Cu	1-1/8 (28.58)	1-3/4 (44.45)	2-1/8 (53.98)	3/8 (9.53)	.43 (.19)
KR4	2/0 Str.—350 MCM Cu	#4 Sol.—350 MCM Cu	1-3/8 (34.93)	2-1/8 (53.98)	2-9/16 (65.09)	1/2 (12.70)	.78 (.35)
KR5	3/0 Str.—500 MCM Cu	#4 Sol.—500 MCM Cu	1-1/2 (38.10)	2-1/4 (57.15)	2-15/16 (74.61)	1/2 (12.70)	.86 (.39)
KR6	350—800 MCM Cu	#2 Str.—800 MCM Cu	1-5/8 (41.28)	2-1/2 (63.50)	3-7/16 (87.31)	1/2 (12.70)	1.25 (.57)
KR7	450—1000 MCM Cu	1/0 Str.—1000 MCM Cu	2 (50.80)	3 (76.70)	4 (101.60)	5/8 (15.88)	2.45 (1.11)

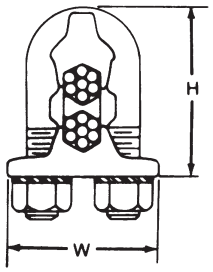
** For equal length bolts (Separable), Add "L" Suffix.*
For Tin-Plating, add "TP" Suffix - Consult Factory.

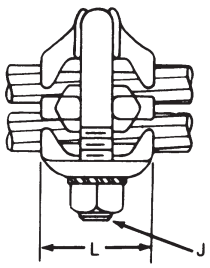
GENERAL USE PARALLEL GROOVE BRONZE SINGLE U-BOLT

BRONZE
LC1000

For copper to copper conductor connections.

Material: **Body Halves** – High Strength Bronze Alloy
Separator – Copper Alloy
Hardware – Silicon Bronze





Product Data & Conductor Size

CATALOG NUMBER	CONDUCTOR RANGE (AWG OR MCM)		DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
	MAIN	TAP	L	W	H	J	
LC1002*	#2 Sol.—2/0 Str. Cu	#2 Sol.—2/0 Str. Cu	1-1/2 (38.10)	1-15/16 (49.21)	2-3/4 (69.85)	3/8 (9.53)	.65 (.29)
LC1003*	#1 Sol.—4/0 Str. Cu	#1 Sol.—4/0 Str. Cu	1-3/4 (44.45)	2-5/16 (58.74)	3 (76.20)	1/2 (12.70)	1.00 (.45)
LC1004	1/0 Sol.—300 MCM Cu	1/0 Sol.—300 MCM Cu	2 (50.80)	2- 7/16 (61.91)	3-1/2 (88.90)	1/2 (12.70)	1.15 (.52)

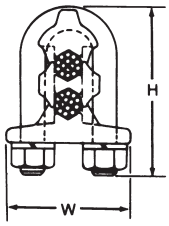
* *Add "TP" Suffix for Tin-Plated Connector*

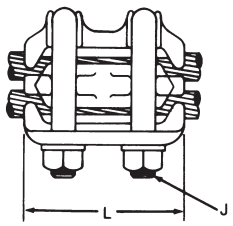
GENERAL USE PARALLEL GROOVE BRONZE 2 U-BOLT

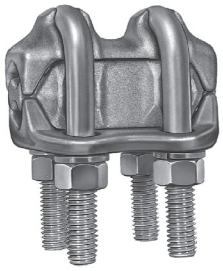
BRONZE
LC1100

For copper to copper conductor connections.

Material: **Body Halves** – High strength Bronze alloy
Separator – Copper alloy
Hardware – Silicon bronze







Product Data & Conductor Size

CATALOG NUMBER	CONDUCTOR RANGE (AWG OR MCM)		DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
	MAIN	TAP	L	W	H	J	
LC1133	#1 Sol.—4/0 Str. Cu	#1 Sol.—4/0 Str. Cu	2-3/4 (69.85)	1-15/16 (49.21)	3 (76.20)	3/8 (9.53)	1.60 (.73)
LC11445	1/0 Sol.—350 MCM Cu	1/0 Sol.—350 MCM Cu	3-1/4 (82.55)	2-1/2 (63.50)	3-3/4 (92.25)	1/2 (12.70)	2.25 (1.02)
LC1155	4/0 Sol.—500 MCM Cu	4/0 Sol.—500 MCM Cu	3-3/8 (85.73)	2-5/8 (66.68)	4 (101.60)	1/2 (12.70)	2.40 (1.09)
LC1166	300—750 MCM Cu	300—750 MCM Cu	3-5/8 (92.08)	2-15/16 (74.61)	4-1/2 (114.30)	1/2 (12.70)	2.90 (1.32)
LC1177	500—1000 MCM Cu	500—1000 MCM Cu	4 (101.60)	3-1/16 (77.79)	5 (127.00)	1/2 (12.70)	3.62 (1.64)

GENERAL USE PARALLEL GROOVE – 4 WAY, 2/4 BOLT BRONZE

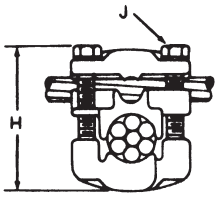
BRONZE
XP®

LISTED 261L

For copper to copper conductors cross, tee, parallel or end to end connections.

Material: **Body Members** – High Strength Bronze Alloy
Separator – Copper Alloy
Hardware – Silicon Bronze or Stainless Steel

Note: Add suffix "TP" for tin-plated connector.



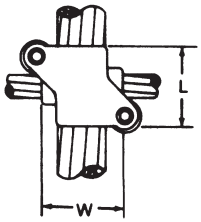


FIGURE 1

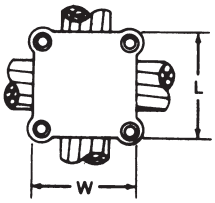


FIGURE 2

Product Data & Conductor Size

CATALOG NUMBER	FIGURE NO.	CONDUCTOR RANGE (AWG OR MCM)		DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
		MAIN	TAP	L	W	H	J	
XP024024	1	#1 Str.—4/0 Str. Cu	#1 Str.—4/0 Str. Cu	1- 7/8 (47.63)	1- 7/8 (47.63)	2-9/16 (65.09)	3/8 (9.53)	.70 (.32)
XP050050	2	4/0 Str.—500 MCM Cu	4/0 Str.—500 MCM Cu	2 (50.80)	2 (50.80)	3-3/16 (80.96)	3/8 (9.53)	1.40 (.64)
XP100050	2	500—1000 MCM Cu	4/0 Str.—500 MCM Cu	2 (50.80)	2 (50.80)	3-3/8 (85.73)	3/8 (9.53)	1.70 (.77)
XP100100	2	500—1000 MCM Cu	500—1000 MCM Cu	2-1/2 (63.50)	2-1/2 (63.50)	3-11/16 (93.66)	3/8 (9.53)	2.40 (1.09)

GENERAL USE PARALLEL GROOVE BRONZE MULTIPLE CENTER BOLT

BRONZE
LC400

For copper to copper conductor connections.

Material: **Body** – High Strength Bronze Alloy
Hardware – Silicon Bronze or Stainless Steel

Note: Add suffix "TP" for tin-plated Connector.

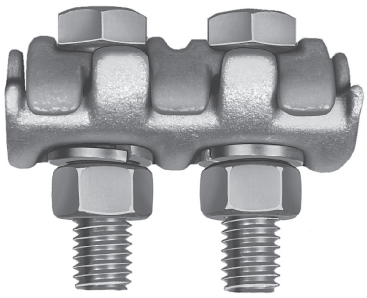


FIGURE 1

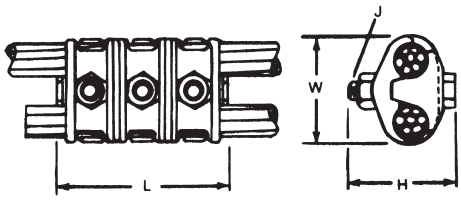


FIGURE 2

Product Data & Conductor Size

CATALOG NUMBER	FIGURE NO.	CONDUCTOR RANGE (AWG OR MCM)		DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
		MAIN	TAP	L	W	H	J	
LC402	1	#4 Sol.—4/0 Str. Cu	#4 Sol.—4/0 Str. Cu	2-9/32 (57.94)	1-27/32 (46.83)	2-1/4 (57.15)	3/8 (9.53)	.82 (.37)
LC4025	1	#4 Sol.—4/0 Str. Cu	#4 Sol.—4/0 Str. Cu	2-13/16 (71.44)	2 (50.80)	2-1/4 (57.15)	1/2 (12.70)	1.38 (.62)
LC4035	1	#2 Sol.—300 MCM Cu	#2 Sol.—300 MCM Cu	3-1/8 (79.38)	2-1/4 (57.15)	2-1/4 (57.15)	1/2 (12.70)	1.79 (.81)
LC404	2	4/0 Str.—500 MCM Cu	4/0 Str.—500 MCM Cu	4-3/8 (111.13)	2-5/8 (66.68)	2-5/8 (66.68)	1/2 (12.70)	2.99 (1.36)
LC406	2	500—1000 MCM Cu	500—1000 MCM Cu	5-1/8 (130.18)	3-1/2 (88.90)	3-3/8 (85.73)	1/2 (12.70)	4.70 (2.13)

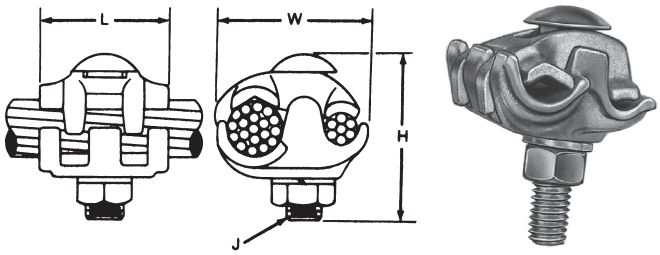
GENERAL USE PARALLEL GROOVE BRONZE SINGLE CENTER BOLT

BRONZE
LC1600

For copper to copper conductor connections.

Material: **Body** – High Strength Bronze Alloy
Hardware – Silicon Bronze or Stainless Steel

Note: Add suffix "TP" for tin-plated Connector.



Product Data & Conductor Size

CATALOG NUMBER	CONDUCTOR RANGE (AWG OR MCM)		DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)
	MAIN	TAP	L	W	H	J	
LC1601	1/0 Sol.—4/0 Str. Cu	#8 Sol.—#1 Str. Cu	2 (50.80)	1-3/4 (44.45)	2 (50.80)	3/8 (9.53)	.58 (.26)
LC1602	1/0 Sol.—400 MCM Cu	#8 Sol.—3/0 Str. Cu	2-3/8 (60.33)	2-1/4 (57.15)	2-3/4 (69.85)	1/2 (12.70)	1.05 (.48)

SNAP TAP™ PLASTIC COVER

PLASTIC
PTC

PTC2 Snap-on covers for aluminum compression taps.
PTC51 & 52 Snap-on covers for mechanical center bolt taps.

Material: Black Plastic

PTC51

PTC2

Product Data & Conductor Size

CATALOG NUMBER	DESCRIPTION	APPROX. WT. EACH LBS. (KG)
PTC2**	For use on "D" die AC's or any H-frame connectors up to 2 1/2" long, VCP-43A, VCP-44 VAC-1040 and VAC-4040	.070 (.0318)
PTC51**	For use on center bolt connectors LC-51A, LC-51C, LC52A, LC511A and LC-522A	.052 (.0236)
PTC52**	For use on center bolt connectors LC-52C, LC-81A, LC-811A, LC-542	.082 (.0372)

***RUS Listed*

DISTRIBUTION CONNECTORS

SECTION DE

FORMED WIRE

Guy Dead Ends

Overhead Dead Ends

Top Ties

Side Ties

Spool Ties

Super Top Ties

Composite Ties

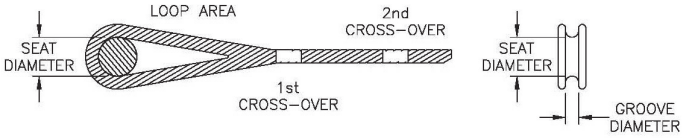
GUY WIRE DEADENDS
HARDWARE RECOMMENDATIONS & DIMENSIONS
FWDE & AWDE

Recommended Fittings

Pole Fittings	Anchor Heads	Anchor Rods	Guy Strain Insulators
			ANSI 54-1 54-2 54-3 54-4

Fittings We Do Not Recommend

Dimensioning



DE 1

Galvanized Steel Deadends	Aluminumized Steel Deadends	Galvanized/Aluminumized Steel Sizes	Minimum Seat Diameter, 1st Cross-Over Mark	Maximum Seat Diameter, 1st Cross-Over Mark	Maximum Seat Diameter, 2nd Cross-Over Mark	Minimum Groove Diameter (in)	Min. Hole Diameter for Anchor Rods (in)
FWDE1102		3/16	1	1-3/4	2-1/2	1/4	3/8
FWDE1103		7/32	1-1/8	1-3/4	2-1/2	5/16	3/8
	AWDE4110	7#12, 6M, 3#9	1-1/8	1-3/4	2-1/2	5/16	7/16
FWDE1104		1/4	1-1/8	1-3/4	2-1/2	5/16	7/16
	AWDE4113	3#8, 8M, 7#11	1-1/8	1-3/4	2-1/2	3/8	1/2
FWDE1105		9/32	1-1/8	1-3/4	2-1/2	3/8	1/2
	AWDE4116	3#7, 10M, 7#10	1-1/4	1-3/4	2-1/2	3/8	9/16
FWDE1106		5/16	1-1/4	1-3/4	2-1/2	3/8	9/16
	AWDE4119	3#6, 12.5M, 7#9	1-3/8	1-3/4	2-1/2	7/16	5/8
	AWDE4120	14M	1-3/8	1-3/4	2-1/2	7/16	5/8
FWDE1107		3/8	1-3/8	1-3/4	2-1/2	7/16	5/8
	AWDE4122	3#5, 16M, 7#8	1-3/8	1-3/4	2-1/2	7/16	5/8
	AWDE4124	18M	1-3/8	2-3/8	2-1/2	1/2	11/16
	AWDE4125	7#7	1-3/8	2-3/8	2-1/2	1/2	11/16
FWDE1108		7/16	1-3/8	2-3/8	2-1/2	1/2	11/16
	AWDE4126	20M	1-3/8	2-3/8	2-1/2	1/2	11/16
	AWDE4128	7#6	1-3/8	2-3/8	- - - -	9/16	3/4
FWDE2115		1/2	1-3/8	2-3/8	- - - -	9/16	3/4
	AWDE4130	25M	1-1/2	2-5/8	- - - -	5/8	15/16
	AWDE4131	7#5	1-1/2	2-5/8	- - - -	5/8	15/16
FWDE2116		9/16	1-1/2	2-5/8	- - - -	5/8	15/16

DEADENDS FORMED WIRE GUY WIRE

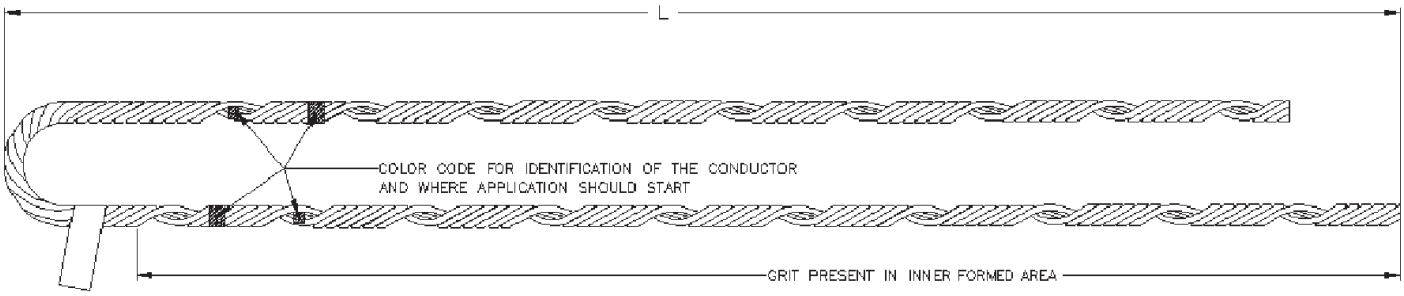
GALVANIZED STEEL

FWDE

- For deadend applications of support guy wires.
- Fargo FWDE series formed wire deadends are designed for use on all types of galvanized guy wire (EHS, High Strength, Common, Siemens-Martin, Utilities and Bell System Strand).
- FWDE will hold a minimum of 100% of the guy wire rated breaking strength.

Note: Consult factory for information on other applications.
Left hand lay standard.

Material: **Wire** – EHS Steel, Zinc-plated to cover Class "B" coating per ASTM A641.
For Class "C" coating, add C suffix.
For FWDE1104LA, LA suffix denotes Class "A" coating.



FWDE

CATALOG NUMBER	NOMINAL SIZE	MAXIMUM RBS LB (KN)	NOMINAL LENGTH (L)		DIAMETER RANGE IN (MM)		COLOR CODE	PACKAGING PER BOX	
			IN	MM	MIN	MAX		UNITS	WEIGHT LBS. (KG)
FWDE1102	3/16"	3,990 (17.7)	20	508	0.174 (4.41)	0.203 (5.16)	Red	150	30 (13.6)
FWDE1103	7/32"	5,400 (24.0)	24	610	0.204 (5.18)	0.230 (5.84)	Green	50	19 (8.6)
FWDE1104**	1/4"	6,650 (29.6)	25	635	0.231 (5.87)	0.259 (6.58)	Yellow	50	24 (10.9)
FWDE1104LA	1/4"	6,650 (29.6)	25	635	0.231 (5.87)	0.259 (6.58)	Yellow	50	24 (10.9)
FWDE1105	9/32"	8,950 (39.8)	28	711	0.260 (6.60)	0.291 (7.39)	Blue	50	26 (11.8)
FWDE1106**	5/16"	11,200 (49.8)	31	787	0.292 (7.42)	0.336 (8.53)	Black	50	41 (18.6)
FWDE1107**	3/8"	15,400 (68.5)	35	891	0.337 (8.56)	0.394 (10.01)	Orange	50	53 (24.0)
FWDE1108**	7/16"	20,800 (92.5)	38	965	0.395 (10.03)	0.474 (12.04)	Green	25	36 (16.3)
FWDE2115	1/2"	26,900 (119.7)	49	1245	0.475 (12.07)	0.515 (13.08)	Blue	20	67 (30.4)
FWDE2116	9/16"	35,000 (155.7)	55	1397	0.516 (13.11)	0.570 (14.48)	Yellow	10	48 (21.8)

NOTES: *All dimensions: inches (mm) unless otherwise noted.*
Rated at full tension of guy strand RBS for EHS, HS, Siemens-Martin, Common and Utility Grades.
*** RUS Technically Accepted.*

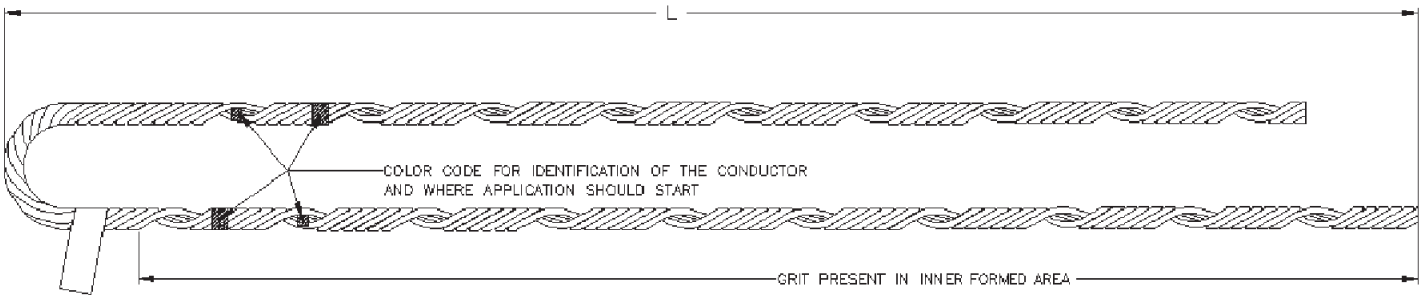
DEADENDS FORMED WIRE GUY WIRE BEZINAL®

BEZINAL® COATED STEEL

BDE

- For deadend applications for support of guy wires.
- Fargo BDE series formed wire deadends are designed for use on Bezinal® strand.
- BDE will hold a minimum of 100% of the guy wire rated breaking strength.

Note: Left hand lay standard.



BDE

CATALOG NUMBER	NOMINAL SIZE	MAXIMUM RBS LB (KN)	NOMINAL LENGTH (L)		DIAMETER RANGE IN (MM)		COLOR CODE	PACKAGING PER BOX	
			IN	MM	MIN	MAX		UNITS	WEIGHT LBS (KG)
BDE9102	3/16"	3,900 (17.3)	20	508	0.174 (4.41)	0.203 (5.16)	Red	100	30 (13.6)
BDE9103	7/32"	5,400 (24.0)	24	610	0.204 (5.18)	0.230 (5.84)	Green	50	19 (8.6)
BDE9104	1/4"	6,650 (29.6)	25	635	0.231 (5.87)	0.259 (6.58)	Yellow	50	23 (10.5)
BDE9105	9/32"	8,950 (39.8)	28	711	0.260 (6.60)	0.291 (7.39)	Blue	50	26 (11.8)
BDE9106	5/16"	11,200 (49.8)	31	787	0.292 (7.42)	0.336 (8.53)	Black	50	39 (17.7)
BDE9107	3/8"	15,400 (68.5)	35	891	0.337 (8.56)	0.394 (10.01)	Orange	50	51 (23.2)
BDE9108	7/16"	20,800 (92.5)	38	965	0.395 (10.03)	0.474 (12.04)	Green	25	40 (18.2)
BDE9115	1/2"	26,900 (119.7)	49	1245	0.475 (12.07)	0.515 (13.08)	Blue	20	67 (30.4)
BDE9116	9/16"	35,000 (155.7)	55	1397	0.516 (13.11)	0.570 (14.48)	Yellow	10	48 (21.8)

NOTES: *All dimensions: inches (mm) unless otherwise noted.*
Bezinal is a registered trademark of Bekaert Company

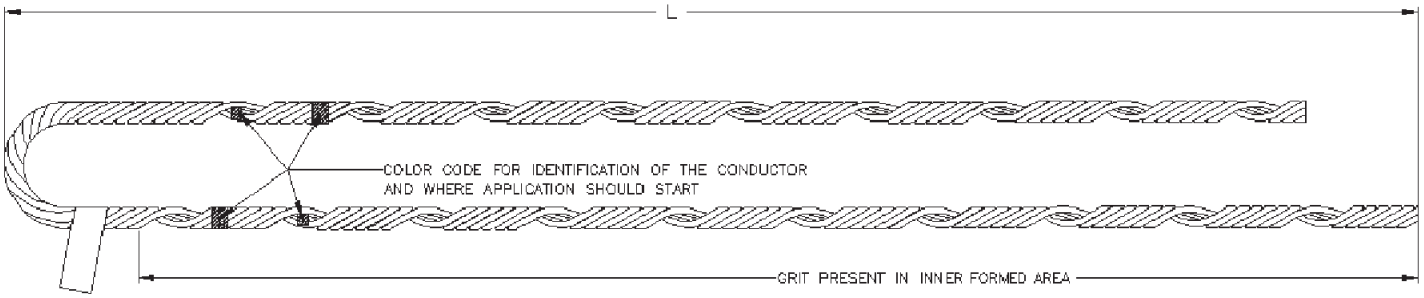
DEADENDS FORMED WIRE GUY WIRE ALUMOWELD®

ALUMINUM/STEEL

AWDE

- For deadend applications of support guy wires.
- Fargo AWDE series formed wire deadends are designed for use on Alumoweld® type guy wire.
- AWDE will hold a minimum of 100% of the guy wire rated breaking strength.

Note: Consult factory for information on other applications. Left hand lay standard.



DE 4

AWDE

CATALOG NUMBER	NOMINAL SIZE	MAXIMUM RBS LB (KN)	NOMINAL LENGTH (L)		DIAMETER RANGE IN (MM)		COLOR CODE	PACKAGING PER BOX	
			IN	MM	MIN	MAX		UNITS	WEIGHT LBS (KG)
AWDE4108	4M, 3#10	4532 (20.1)	21	533	.204 (5.18)	.230 (5.842)	Green	50	16 (7.3)
AWDE4110 **	6M, 3#9	6,000 (26.7)	22	559	0.231 (5.87)	0.259 (6.58)	Yellow	50	20 (9.1)
AWDE4113 **	3#8, 8M	8,000 (35.6)	24	610	0.260 (6.60)	0.291 (7.39)	Blue	50	20 (9.1)
AWDE4116 **	3#7, 10M, 7#10	10,000 (44.5)	26	660	0.292 (7.42)	0.336 (8.53)	Black	50	30 (13.6)
AWDE4119 **	3#6, 12.5M, 7#9	12,500 (55.6)	29	737	0.337 (8.56)	0.360 (9.14)	Yellow	50	33 (14.8)
AWDE4120 **	14M	14,000 (62.3)	31	787	0.361 (9.17)	0.384 (9.75)	Blue	50	53 (24.0)
AWDE4122 **	3#5, 16M, 7#8	16,000 (71.2)	32	813	0.385 (9.78)	0.410 (10.41)	Orange	50	55 (25.0)
AWDE4124	18M	18,000 (80.1)	34	864	0.411 (10.44)	0.430 (10.92)	Black	25	29 (132)
AWDE4125	7#7	20,000 (89.0)	36	914	0.431 (10.95)	0.474 (12.04)	Green	25	32 (14.5)
AWDE4126 **	20M	20,000 (89.0)	36	914	0.431 (10.95)	0.474 (12.04)	Yellow	10	22 (10.0)
AWDE4128	7#6	22,730 (101.1)	40	1016	0.475 (12.07)	0.515 (13.08)	Blue	10	23 (10.5)
AWDE4130	25M	25,000 (111.2)	43	1092	0.516 (13.11)	0.535 (13.59)	Red	10	31 (14.1)
AWDE4131	7#5	27,030 (120.2)	45	1143	0.536 (13.61)	0.570 (14.48)	Yellow	10	32 (14.5)

NOTES: *All dimensions: inches (mm) unless otherwise noted.*
Rated at 100% of guy strand RBS for Alumoweld®.
Alumoweld is a registered trademark of AFL Corporation.
*** RUS Technically Accepted.*

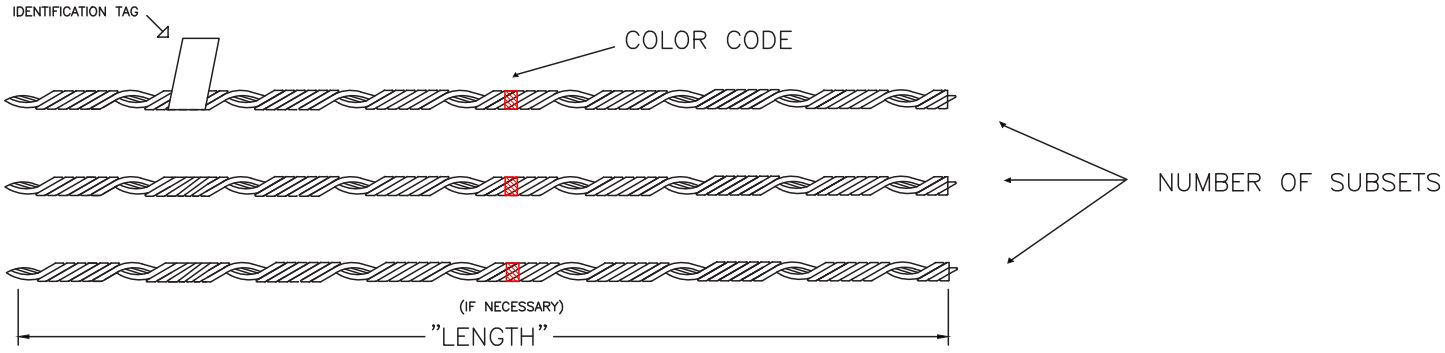
SPLICES FORMED WIRE GUY WIRE

GALVANIZED STEEL

FWLS

- For repairing damaged or severed guy wire or messenger cable.
- Do not use FWLS splices on overhead shield wires.
- Fargo FWLS series formed wire are designed for use on all types of galvanized guy wire (EHS, High Strength, Common, Siemens-Martin, Utilities, and Bell System Strand).
- FWLS will hold a minimum of 100% of the guy wire rated breaking strength (ultimate strength) when centered over the severed or point of damage.

Note: Consult factory for information on use if damaged area exceeds length of splice.
Left hand lay standard.



DE 5

FWLS

CATALOG NUMBER	NOMINAL SIZE	MAXIMUM RBS LB (KN)	NOMINAL LENGTH (L)		DIAMETER RANGE IN (MM)		NUMBER OF SUB-SETS	COLOR CODE	PACKAGING PER BOX	
			IN	MM	MIN	MAX			UNITS	WEIGHT LBS. (KG)
FWLS2102	3/16" (3W & 7W)	3,990 (17.7)	27	685	0.174 (4.41)	0.203 (5.16)	2	Red	100	30 (13.6)
FWLS2103	7/32" (7W)	5,400 (24.0)	29	737	0.204 (5.18)	0.230 (5.84)	2	Green	100	36 (16.3)
FWLS2104	1/4" (3W & 7W)	6,650 (29.6)	35	889	0.231 (5.87)	0.259 (6.58)	2	Yellow	50	34 (15.4)
FWLS2105	9/32" (7W)	8,950 (39.8)	38	965	0.260 (6.60)	0.291 (7.39)	2	Blue	50	36 (16.3)
FWLS2106	5/16" (3W & 7W)	11,200 (49.8)	42	1067	0.292 (7.42)	0.336 (8.53)	2	Black	50	46 (20.8)
FWLS2107	3/8" (3W & 7W)	15,400 (68.5)	50	1270	0.337 (8.56)	0.394 (10.01)	3	Orange	25	38 (17.2)
FWLS2108	7/16" (7W)	20,800 (92.5)	56	1422	0.395 (10.03)	0.474 (12.04)	3	Green	25	58 (26.3)
FWLS2109	1/2" (7W & 19W)	26,900 (119.7)	63	1600	0.475 (12.07)	0.515 (13.08)	3	Blue	10	36 (16.3)
FWLS2110	9/16" (7W & 19W)	35,000 (155.7)	71	1803	0.516 (13.11)	0.570 (14.48)	3	Yellow	10	52 (23.5)

NOTES: *All dimensions: inches (mm) unless otherwise noted.*
Rated at full tension of guy strand RBS for EHS, HS, Siemens-Martin, Common, and Utility Grades.

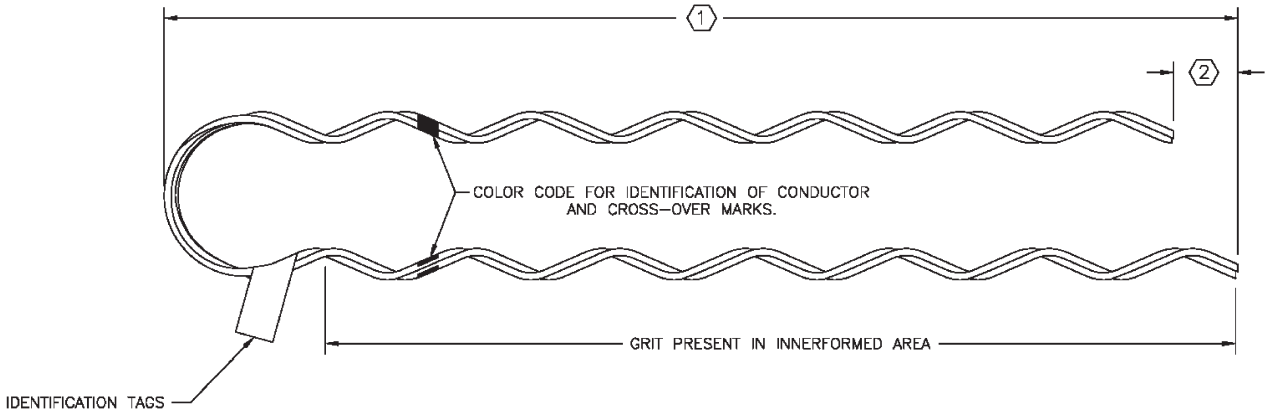
DEADENDS FORMED WIRE SERVICE GRIP

ALUMINUM/STEEL

SGFW

- For deadend applications of neutral messengers used in making service drops.
- Fargo SGFW series formed wire deadends are designed for use on self supporting cables (ACSR, AAC, AAAC).
- SGFW deadends will hold a minimum of 50% of the cable (RBS) rated breaking strength.

Note: Consult factory for information on other applications. Right hand lay standard.



DE 6

SGFW

CATALOG NUMBER	NOMINAL CONDUCTOR SIZE				DIAMETER RANGE		NOMINAL DIMENSIONS			PACKAGING PER BOX		COLOR CODE
	ACSR	AAC	AAAC	COMP.	MIN	MAX	DIM 1	DIM 2	NECK DIA.	UNITS	WEIGHT LBS (KG)	
SGFW4500	#6 (6/1)	#6 (7str)	#6 (7str)	#6 (6/1) #6 (7str) #5 (sol)	0.169 (4.29)	0.198 (5.04)	11 (280)	0.40 (10.2)	2.0 (50)	300	24 (10.9)	BLUE
SGFW4501	#5 (6/1)	#4 (sol)	#5 (7str)	#4 (7str) #4 (sol)	0.199 (5.05)	0.224 (5.70)	12 (305)	0.40 (10.2)	2.0 (50)	300	25 (11.4)	WHITE
SGFW4502 **	#4 (6/1) #4 (7/1)	#4 (7w)	#4 (7str)	#4 (6/1) #4 (7/1)	0.225 (5.71)	0.257 (6.54)	13 (330)	0.40 (10.2)	2.0 (50)	300	32 (14.5)	ORANGE
SGFW4503	#3 (6/1)	#3 (7str)	#3 (7str)	#3 (6/1) #2 (7str) #2 (sol) #1 (sol)	0.258 (6.55)	0.289 (7.35)	14 (355)	0.40 (10.2)	2.0 (50)	200	24 (10.9)	BLACK
SGFW4504 **	#2 (6/1) #2 (7/1)	#2 (7str)	#2 (7str)	#2 (7str)	0.290 (7.35)	0.325 (8.27)	15 (381)	0.40 (10.2)	2.0 (50)	200	32 (14.5)	RED
SGFW4505	#1 (6/1)	#1 (7str)	#1 (7str)	#1 (6/1) 1/0 (7str) 1/0 (19str)	0.326 (8.28)	0.360 (9.15)	17 (432)	0.40 (10.2)	2.0 (50)	200	28 (12.7)	GREEN
SGFW4506 **	1/0 (6/1)	1/0 (7str)	1/0 (7str)	1/0 (7str)	0.361 (9.16)	0.400 (10.17)	19 (483)	0.40 (10.2)	2.0 (50)	100	29 (13.2)	YELLOW
SGFW4507 **	2/0 (6/1)	2/0 (7str)	2/0 (7str)	2/0 (7str)	0.401 (10.18)	0.450 (11.44)	21 (533)	0.40 (10.2)	2.0 (50)	100	34 (15.5)	BLUE
SGFW4508	3/0 (6/1)	3/0 (7str)	3/0 (7str)	3/0 (6/1) 4/0 (7str) 4/0 (19str)	0.451 (11.45)	0.511 (12.97)	12 (585)	0.40 (10.2)	2.0 (50)	100	31 (14.1)	ORANGE
SGFW4509 **	4/0 (6/1)	4/0 (7str)	4/0 (7str)	4/0 (6/1)	0.511 (12.97)	0.580 (14.74)	26 (660)	0.40 (10.2)	2.0 (50)	100	41 (18.6)	RED

ALL DIMENSIONS: INCHES (MM) UNLESS OTHERWISE NOTED.
*** RUS Technically Accepted.*

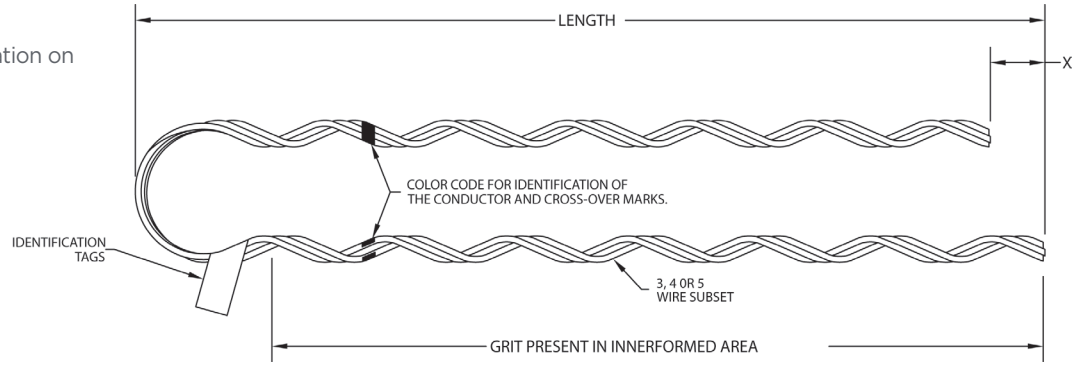
DEADENDS FORMED WIRE DISTRIBUTION GRIP

ALUMINUM/STEEL

DGFW

- For deadending bare or plastic jacketed conductor on primaries, secondaries, and substation feeder applications.
- Fargo DGFW series formed wire deadends are designed for use with ACSR, AAC, AAAC, Compacted ACSR and AWAC®.
- DGFW deadends will hold a minimum of 60% of the cable (RBS) rated breaking strength..

Note: Consult factory for information on other applications.
Right hand lay standard.



DGFW

CATALOG NUMBER	NOMINAL CONDUCTOR SIZE					DIAMETER RANGE		PACKAGING PER BOX		LENGTH	COLOR
	ACSR	AAC	AAAC	COMP ACSR	AWAC®	MIN	MAX	UNITS	WT LBS (KG)		
DGFW4554	#6 (6/1)	#6, 7W	#6, 7W	#6 (6/1)		0.182 (4.62)	0.203 (5.15)	100	13.4 (6.1)	16 (406)	BLUE
DGFW4541	#4 (6/1) #4 (7/1)	#4, 7W	#4, 7W	#4 (6/1)	#4 (6/1)	0.229 (5.81)	0.257 (6.53)	100	17.9 (8.1)	16.9 (430)	ORANGE
DGFW4542	#2 (6/1) #2 (7/1)	#2, 7W	#2, 7W	#2 (6/1)	#2 (6/1), #3 (5/2)	0.290 (7.36)	0.325 (8.27)	100	30.6 (13.9)	24 (610)	RED
DGFW4543	#1 (6/1)	#1, 7W	#1, 7W	#1 (6/1)	#1 (6/1), #2 (5/2)	.326 (8.28)	.364 (9.25)	50	25.5 (11.6)	26 (660)	GREEN
DGFW4544	1/0 (6/1)	1/0, 7W	1/0, 7W	1/0 (6/1)	1/0 (6/1), #1 (5/2)	0.365 (9.27)	0.409 (10.40)	50	27.2 (12.4)	26.4 (671)	YELLOW
DGFW4545	2/0 (6/1)	2/0, 7W	2/0, 7W	2/0 (6/1)	2/0 (6/1), 1/0 (5/2)	0.410 (10.41)	0.460 (11.69)	50	29.2 (13.3)	27.9 (710)	BLUE
DGFW4546	3/0 (6/1)	3/0, 7W	3/0, 7W	3/0 (6/1)	3/0 (6/1), 2/0 (5/2)	0.461 (11.70)	0.516 (13.12)	25	21.0 (9.5)	32.5 (825)	ORANGE
DGFW4547	4/0 (6/1)	4/0, 7W	4/0, 7W	4/0 (6/1)	4/0 (6/1), 3/0 (5/2)	0.517 (13.13)	0.577 (14.67)	25	60.0 (27.3)	34.0 (865)	RED
DGFW4548	266.8 (18/1) 266.8 (26/7) 300 (18/1)	266.8 19W 266.8 37W 300 19W 300 37W	266.8 19W	300 (18/1) 336.4 (18/1)	266.8 (18/1)	.578 (14.68)	.653 (16.60)	25	34.0 (865)	35 (889)	BLACK
DGFW4549	300 (26/7) 300 (30/7) 336.4 (18/1) 336.4 (36/1) 336.4 (26/7) 397.5 (36/1)	336.4 19 W, 336.4 37W, 350 19W, 350 37W, 397.5 19W, 397.5 37W, 400 19W, 400 37W	336.4, 7W	397.5 (18/1)	336.4 (18/1)	0.654 (16.61)	0.739 (18.77)	25	52.7 (24.0)	38.6 (980)	GREEN

NOTES: *All dimensions: inches (mm) unless otherwise noted.*
Dimension "X" equals 1.0" (25.4 mm) in all cases.
Neck (open helix loop) diameter equals 2" (50 mm) in all cases.
AWAC is a registered trademark of Copperweld Co.

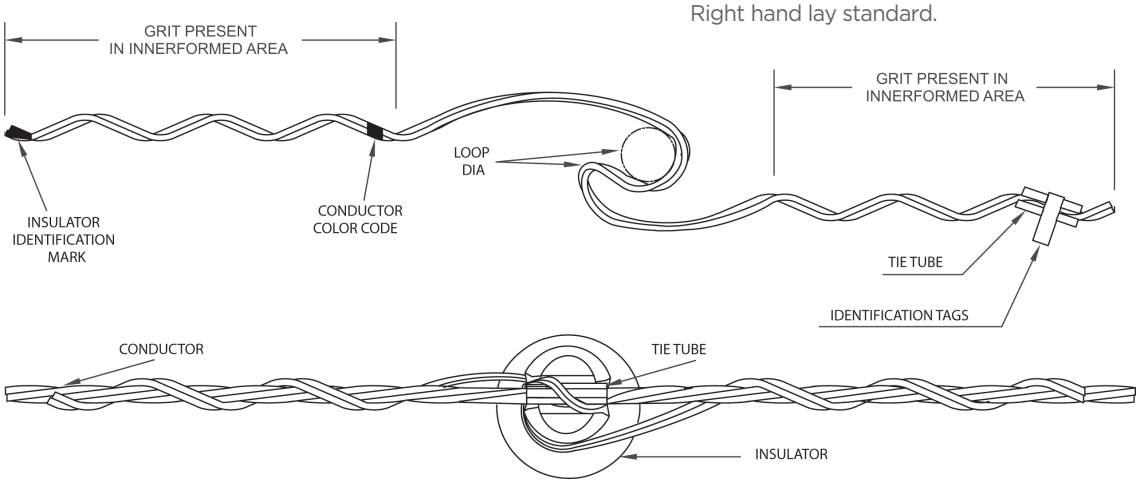
ALUMINUM/STEEL

LDIC

TOP TIE FORMED WIRE INSULATOR TIE "C-NECK"

- For securing bare or plastic jacketed conductor in the top groove of interchangeable headstyle insulators.
- Fargo LDIC series formed wire distribution ties are designed for use with ACSR, AAC, AAAC, AWAC®, Compacted ACSR & Compacted AAC.
- C-Neck insulator: 2-1/4" neck diameter
- Recommended for use with ANSI Class 55-2 Pin & 55-3 Pin Insulators.

Note: Consult factory for information on other applications. Right hand lay standard.



DE 8

LDIC

CATALOG NUMBER	NOMINAL CONDUCTOR SIZE			DIAMETER RANGE		PACKAGING PER BOX		APPLIED LENGTH	INSULATOR IDENT. MARK	CONDUCT. COLOR CODE
	ACSR	AAC	AAAC	MIN	MAX	UNITS	WT LBS (KG)			
9/16" Minimum Groove Radius										
LDIC4000AS	#6 (6/1)	#4 (7W) C*		0.190 (4.83)	0.215 (5.46)	100	17 (7.7)	24 (610)	BLACK	BLUE
LDIC4001AS	#4 (6/1) C* #4 (7/1) C*	#4 (7W)		0.216 (5.47)	0.244 (6.21)	100	18 (8.2)	25 (635)	BLACK	BROWN
LDIC4002AS	#4 (6/1) #4 (7/1)	#3 (7W)	#4 (7W)	0.245 (6.23)	0.277 (7.05)	100	18 (8.2)	26 (660)	BLACK	ORANGE
LDIC4003AS		#2 (7W)	#3 (7W)	0.278 (7.06)	0.315 (8.01)	100	18 (8.2)	26 (660)	BLACK	PURPLE
LDIC4004AS	#2 (6/1) #2 (7/1) #1 (6/1)	#1 (7W) #1 (19W)	#2 (7W)	0.316 (8.03)	0.357 (9.08)	100	19 (8.6)	28 (711)	BLACK	RED
LDIC4005AS	1/0 (6/1)	1/0 (7W) 1/0 (19W)	1/0 (7W)	0.358 (9.09)	0.405 (10.30)	100	20 (9.1)	30 (762)	BLACK	YELLOW
LDIC4006AS	2/0 (6/1)	2/0 (7W) 2/0 (19W)	2/0 (7W)	0.406 (10.31)	0.459 (11.67)	50	17 (7.7)	25 (635)	BLACK	BLUE

NOTES: *All dimensions: inches (mm) unless otherwise noted.*
AWAC is a registered trademark of Copperweld Co.
**"C" indicates Compact stranding.*
Add "NT" suffix for no tie tube (Pad). Example: LDIC4005ASNT.

TOP TIE FORMED WIRE INSULATOR TIE "C-NECK" (CONTINUED)

ALUMINUM/STEEL
LDIC

LDIC

CATALOG NUMBER	NOMINAL CONDUCTOR SIZE			DIAMETER RANGE		PACKAGING PER BOX		APPLIED LENGTH	INSULATOR IDENT. MARK	CONDUCT. COLOR CODE
	ACSR	AAC	AAAC	MIN	MAX	UNITS	WT LBS (KG)			
9/16" Minimum Groove Radius (Continued)										
LDIC4007AS	3/0 (6/1)	3/0 (7W) 3/0 (19W)	3/0 (7W)	0.460 (11.68)	0.520 (13.21)	50	17 (7.7)	25 (635)	BLACK	ORANGE
LDIC4008AS	4/0 (6/1)	4/0 (7W) 4/0 (19W) 266.8 (7W)	4/0 (7W)	0.521 (13.23)	0.588 (14.95)	50	18 (8.2)	28 (711)	BLACK	RED
LDIC4009AS	266.8 (18/1) 266.8 (26/7)	2668 (19W) 266.8 (37W) 336.4 (19W)		0.589 (14.95)	0.665 (16.90)	50	18 (8.2)	30 (762)	BLACK	PURPLE
LDIC4010AS	336.4 (18/1) 336.4 (26/7) 397.5 (18/1)	350 (19W) 397.5 (37W)		0.666 (16.91)	0.755 (19.19)	50	19 (8.6)	31 (787)	BLACK	BROWN
LDIC4011AS	397.5 (24/7) 397.5 (26/7) 477 (18/1) 477 (24/7) 477 (26/7)	450 (19W) 477 (19W) 477 (37W) 500 (19W) 500 (37W) 556.5 (19W) 556.5 (37W)		0.756 (19.20)	0.858 (21.79)	50	19 (8.6)	32 (813)	BLACK	RED
5/8" Minimum Groove Radius										
LDIC4012AS	556.5 (18/1) 556.5 (24/7) 556.5 (26/7) 636 (18/1)	636 (37W) 700 (37W) 700 (61W)		0.859 (21.81)	0.968 (24.60)	50	20 (9.1)	34 (864)	BLACK	BLUE
3/4" Minimum Groove Radius										
LDIC4013AS	636 (24/7) 636 (26/7) 715.5 (24/7) 795 (36/1) 795 (45/7) 795 (54/7)	795 (37W) 795 (61W)		0.969 (24.61)	1.096 (27.85)	50	21 (9.5)	37 (940)	BLACK	GREEN
LDIC4014AS	795 (26/7) 954 (36/1) 954 (54/7) 1033.5 (45/7) 1033.5 (54/7)	1033.5 (37W) 1033.5 (61W)		1.097 (27.86)	1.240 (31.50)	50	22 (10.0)	40 (1016)	BLACK	YELLOW

NOTES: *All dimensions: inches (mm) unless otherwise noted.*
AWAC is a registered trademark of Copperweld Co.
"C" indicates Compact stranding.
Add "NT" suffix for no tie tube (Pad). Example: LDIC4005ASNT.

DE 9

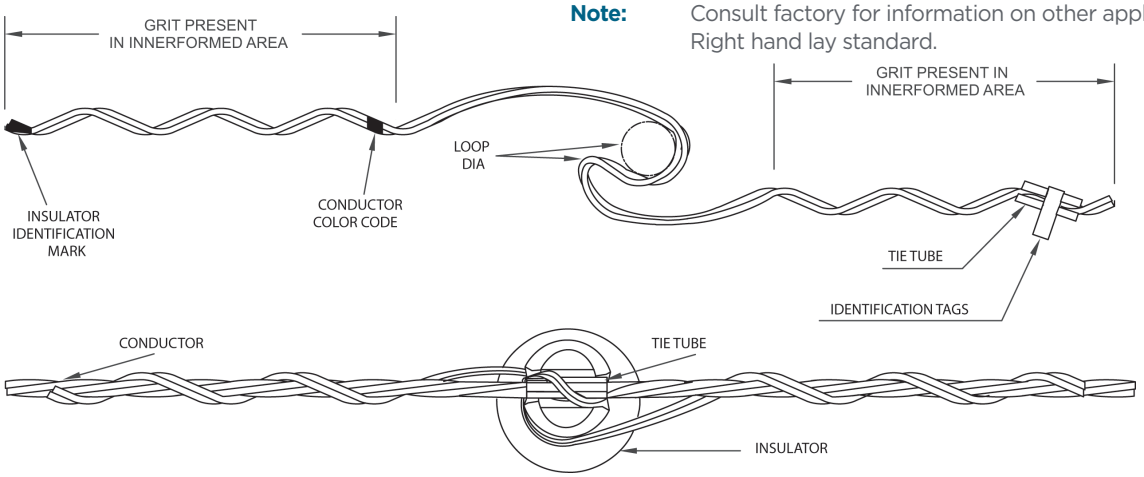
HUBBELL®

ALUMINUM/STEEL
LDIF

TOP TIE FORMED WIRE INSULATOR TIE "F-NECK"

- For securing bare or plastic jacketed conductor in the top groove of interchangeable headstyle insulators.
- Fargo LDIF series formed wire distribution ties are designed for use with ACSR, AAC, AAAC, AWAC®,
- Compacted ACSR & Compacted AAC.
- F-Neck insulator: 2-7/8" neck diameter
- Recommended for use with ANSI Class 55-4 Pin, 55-5 Pin, 57-1 Pin, 57-2 Pin & 57-3 Pin Insulators.

Note: Consult factory for information on other applications. Right hand lay standard.



DE 10

LDIF

CATALOG NUMBER	NOMINAL CONDUCTOR SIZE			DIAMETER RANGE		PACKAGING PER BOX		APPLIED LENGTH	INSULATOR IDENT. MARK	CONDUCT. COLOR CODE
	ACSR	AAC	AAAC	MIN	MAX	UNITS	WT LBS (KG)			
9/16" Minimum Groove Radius										
LDIF4500AS	#6 (6/1)	#4 (7W) C*		0.190 (4.83)	0.215 (5.46)	100	18 (8.2)	25 (635)	YELLOW	BLUE
LDIF4501AS	#4 (6/1) C* #4 (7/1) C*	#4 (7W)		0.216 (5.47)	0.244 (6.21)	100	19 (8.6)	26 (660)	YELLOW	BROWN
LDIF4502AS	#4 (6/1) #4 (7/1)	#3 (7W)	#4 (7W)	0.245 (6.23)	0.277 (7.05)	100	19 (8.6)	27 (686)	YELLOW	ORANGE
LDIF4503AS		#2 (7W)	#3 (7W)	0.278 (7.06)	0.315 (8.01)	100	20 (9.1)	29 (737)	YELLOW	PURPLE
LDIF4504AS	#2 (6/1) #2 (7/1) #1 (6/1)	#1 (7W) #1 (19W)	#2 (7W)	0.316 (8.03)	0.357 (9.08)	100	20 (9.1)	31 (787)	YELLOW	RED
LDIF4505AS	1/0 (6/1)	1/0 (7W) 1/0 (19W)	1/0 (7W)	0.358 (9.09)	0.405 (10.30)	100	21 (9.5)	32 (813)	YELLOW	YELLOW
LDIF4506AS	2/0 (6/1)	2/0 (7W) 2/0 (19W)	2/0 (7W)	0.406 (10.31)	0.459 (11.67)	50	18 (8.2)	25 (635)	YELLOW	BLUE
LDIF4507AS	3/0 (6/1)	3/0 (7W) 3/0 (19W)	3/0 (7W)	0.460 (11.68)	0.520 (13.21)	50	18 (8.2)	27 (686)	YELLOW	ORANGE
LDIF4508AS	4/0 (6/1)	4/0 (7W) 4/0 (19W) 266.8 (7W)	4/0 (7W)	0.521 (13.23)	0.588 (14.95)	50	19 (8.6)	29 (737)	YELLOW	RED

NOTES: *All dimensions: inches (mm) unless otherwise noted.*
AWAC is a registered trademark of Copperweld Co.
**"C" indicates Compact stranding.*
Add "NT" suffix for no tie tube (Pad). Example: LDIF4505ASNT.

TOP TIE FORMED WIRE INSULATOR TIE "F-NECK" (CONTINUED)

ALUMINUM/STEEL
LDIF

LDIF

CATALOG NUMBER	NOMINAL CONDUCTOR SIZE			DIAMETER RANGE		PACKAGING PER BOX		APPLIED LENGTH	INSULATOR IDENT. MARK	CONDUCT. COLOR CODE
	ACSR	AAC	AAAC	MIN	MAX	UNITS	WT LBS (KG)			
9/16" Minimum Groove Radius (Continued)										
LDIF4509AS	266.8 (18/1) 266.8 (26/7)	266.8 (19W) 266.8 (37W) 336.4 (19W)		0.589 (14.96)	0.665 (16.95)	50	19 (8.6)	32 (813)	YELLOW	PURPLE
LDIF4510AS	336.4 (18/1) 336.4 (26/7) 397.5 (18/1)	350 (19W) 397.5 (37W)		0.666 (16.91)	0.755 (19.19)	50	20 (9.1)	32 (813)	YELLOW	BROWN
LDIF4511AS	397.5 (24/7) 397.5 (26/7) 477 (18/1) 477 (24/7) 477 (26/7)	450 (19W) 477 (19W) 477 (37W) 500 (19W) 500 (37W) 556.5 (19W) 556.5 (37W)		0.756 (19.20)	0.858 (21.79)	50	20 (9.1)	33 (838)	YELLOW	RED
5/8" Minimum Groove Radius										
LDIF4512AS	556.5 (18/1) 556.5 (24/7) 556.5 (26/7) 636 (18/1)	636 (37W) 700 (37W) 700 (61W)		0.859 (21.81)	0.968 (24.60)	50	21 (9.5)	35 (889)	YELLOW	BLUE
3/4" Minimum Groove Radius										
LDIF4513AS	636 (24/7) 636 (26/7) 715.5 (24/7) 795 (36/1) 795 (45/7) 795 (54/7)	795 (37W) 795 (61W)		0.969 (24.61)	1.096 (27.85)	50	22 (10.0)	38 (965)	YELLOW	GREEN
LDIF4514AS	795 (26/7) 954 (36/1) 954 (54/7) 1033.5 (45/7) 1033.5 (54/7)	1033.5 (37W) 1033.5 (61W)		1.097 (27.86)	1.240 (31.50)	50	23 (10.5)	41 (1041)	YELLOW	YELLOW

NOTES: *All dimensions: inches (mm) unless otherwise noted.*
AWAC is a registered trademark of Copperweld Co.
"C" indicates Compact stranding.
Add "NT" suffix for no tie tube (Pad). Example: LDIF4505ASNT.

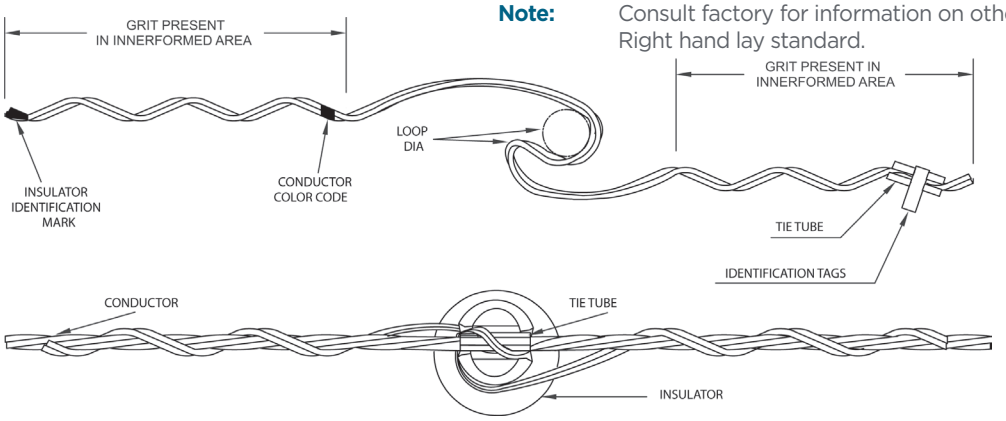
DE 11

ALUMINUM/STEEL
LDIJ

TOP TIE FORMED WIRE INSULATOR TIE "J-NECK"

- For securing bare or plastic jacketed conductor in the top groove of interchangeable headstyle insulators.
- Fargo LDIJ series formed wire distribution ties are designed for use with ACSR, AAC, AAAC,
- Compacted ACSR, Compacted AAC & AWAC®.
- J-Neck insulator: 3-1/2" neck diameter
- Recommended for use with ANSI Class 55-6, 55-7 & 56-1 Pin Insulators.

Note: Consult factory for information on other applications. Right hand lay standard.



DE 12

LDIJ

CATALOG NUMBER	NOMINAL CONDUCTOR SIZE			DIAMETER RANGE		PACKAGING PER BOX		APPLIED LENGTH	INSULATOR IDENT. MARK	CONDUCT. COLOR CODE
	ACSR	AAC	AAAC	MIN	MAX	UNITS	WT LBS (KG)			
9/16" Minimum Groove Radius										
LDIJ4602AS	#4 (6/1) #4 (7/1)	#3 (7W)	#4 (7W)	0.245 (6.23)	0.277 (7.05)	100	25 (11.4)	28 (711)	GREEN	ORANGE
LDIJ4604AS	#2 (6/1) #2 (7/1) #1 (6/1)		#2 (7W)	0.316 (8.03)	0.357 (9.08)	100	29 (13.2)	32 (813)	GREEN	RED
LDIJ4605AS	1/0 (6/1)	1/0 (7W)	1/0 (7W)	0.358 (9.09)	0.405 (10.30)	100	31 (14.1)	33 (838)	GREEN	YELLOW
LDIJ4609AS	266.8 (18/1) 266.8 (26/7)	266.8 (37W) 336.4 (19W)		0.589 (14.96)	0.685 (16.95)	50	22 (10.0)	33 (838)	GREEN	PURPLE
LDIJ4610AS	336.4 (18/1) 336.4 (26/7) 397.5 (18/1)	350 (19W) 397.5 (37W)		0.666 (16.91)	0.755 (19.19)	50	23 (10.5)	33 (838)	GREEN	BROWN
LDIJ4611AS	397.5 (24/7) 397.5 (26/7) 477 (18/1) 477 (24/7) 477 (26/7)	450 (19W) 477 (19W) 477 (37W) 500 (19W) 500 (37W) 556.5 (19W) 556.5 (37W)		0.756 (19.20)	0.858 (21.79)	50	27 (12.3)	34 (864)	GREEN	RED
5/8" Minimum Groove Radius										
LDIJ4612AS	556.5 (18/1) 556.5 (24/7) 556.5 (26/7) 636 (18/1)	636 (37W) 700 (37W) 700 (61W)		0.859 (21.81)	0.968 (24.60)	50	27 (12.3)	36 (914)	GREEN	BLUE

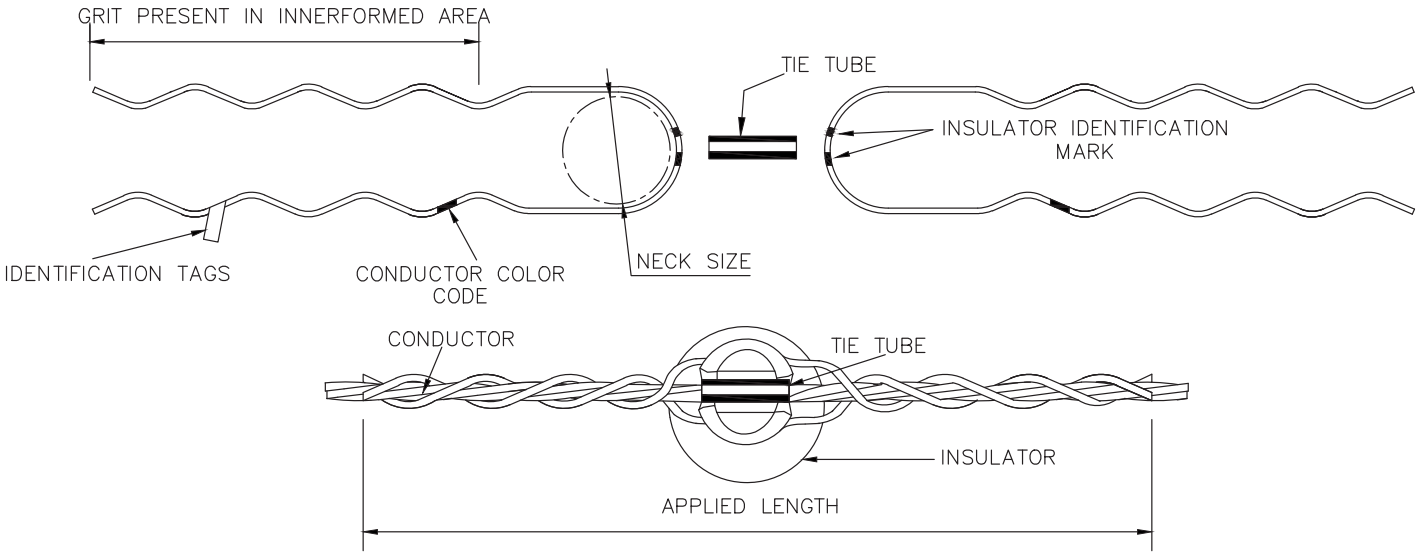
NOTES: *All dimensions: inches (mm) unless otherwise noted.*
AWAC is a registered trademark of Copperweld Co.
"C" indicates Compact stranding.
Add "NT" suffix for no tie tube (Pad). Example: LDIJ4605ASNT.

TWIN TIE FORMED WIRE INSULATOR TIE

ALUMINUM/STEEL
TTF/TTFJ

- Twin Ties are used in applications where the conductor is aligned to sit in the top groove of the insulator. This type of tie can be used on line angles up to 10 degrees with the insulator in a vertical orientation. Larger angles can be accomodated by modifying the cant of the insulator off vertical. A combination of tie styles can affect line angles as well.
- Fargo TTFJ series formed wire twin ties are designed for use with ACSR, AAC, AAAC, Compacted ACSR, Compacted AAC & AWAC®.
- TTFJ: F-Neck (2-7/8" neck diameter) and J-Neck (3-1/2" neck diameter) interchangeable headstyle insulators.
- Recommended for use with ANSI Class 55-4 Pin, 55-5 Pin, 57-1 Pin, 57-2 Pin, 57-3 Pin, 55-6 Single Skirt Pin, 55-7 Single Skirt Pin & 56-1 Double Skirt Pin Insulators.

Note: Consult factory for information on other applications.
Right hand lay standard.



DE 13

TTF/TTFJ

CATALOG NUMBER	NOMINAL CONDUCTOR SIZE			DIAMETER RANGE		PACKAGING PER BOX		APPROX. APPLIED LENGTH	INSULATOR IDENT. MARK	CONDUCT. COLOR CODE
	ACSR	AAC	AAAC	MIN	MAX	UNITS	WT LBS (KG)			
9/16" Minimum Groove Radius										
TTFJ205	1/0 (6/1)	1/0 (7W) 1/0 (19W)	1/0 (7W)	0.358 (9.09)	0.405 (10.30)	50	27 (12.3)	27 (686)	YELLOW/ GREEN	YELLOW
TTFJ206	2/0 (6/1)	2/0 (7W) 2/0 (19W)	2/0 (7W)	0.406 (10.31)	0.459 (11.66)	50	28 (12.7)	28 (711)	YELLOW/ GREEN	BLUE
TTFJ208	4/0 (6/1)	4/0 (7W) 4/0 (19W) 266.8 (7W)	4/0 (7W)	0.521 (13.23)	0.588 (14.95)	50	30 (13.6)	30 (762)	YELLOW/ GREEN	RED
TTFJ210	336.4 (18/1) 336.4 (26/7)	397.5 (19W) 400 (19W) 400 (37W)		0.666 (16.91)	0.755 (19.19)	50	33 (15.0)	33 (838)	YELLOW/ GREEN	BROWN

All dimensions: inches (mm) unless otherwise noted.
AWAC® is a registered trademark of Copperweld Co.

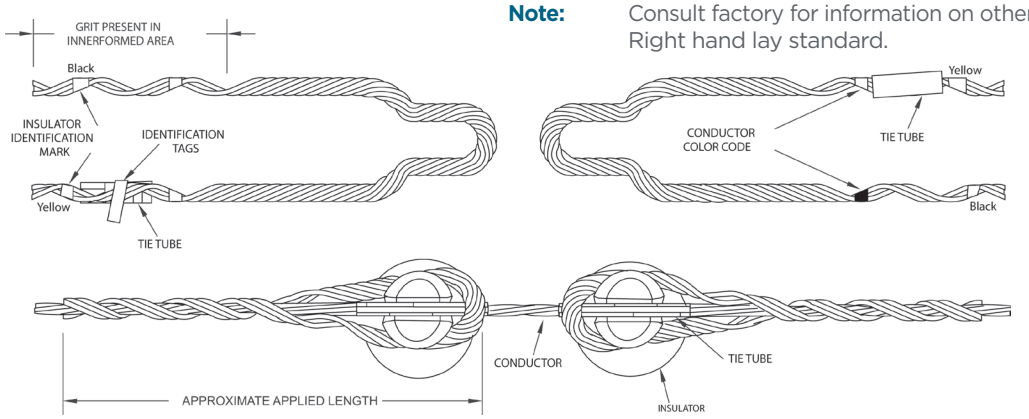
ALUMINUM ALLOY

LDID0xxx

DOUBLE SUPPORT TIE FORMED WIRE INSULATOR TIE "C-NECK" & "F-NECK"

- Double Support Ties are used in applications where the conductor is aligned to sit in the top groove of the insulator. This type of tie should not be used on line angles over 10 degrees with the insulator in a vertical orientation.
- Fargo LDID series formed wire double support ties are designed for use with ACSR, AAC, AAAC, Compacted ACSR, Compacted AAC & AWAC®.
- C-Neck (2-1/4" neck diameter) & F-Neck (2-7/8" neck diameter) interchangeable headstyle insulators.
- Recommended for use with ANSI Class 55-2 Pin, 55-3 Pin, 55-4 Pin, 55-5 Pin, 57-1 Post, 57-2 Post, & 57-3 Post Insulators.

Note: Consult factory for information on other applications. Right hand lay standard.



DE 14

LDID0xxx

CATALOG NUMBER	NOMINAL CONDUCTOR SIZE			DIAMETER RANGE		PACKAGING PER BOX		APPROX. APPLIED LENGTH	INSULATOR IDENT. MARK	CONDUCT. COLOR CODE
	ACSR	AAC	AAAC	MIN	MAX	UNITS	WT LBS (KG)			
9/16" Minimum Groove Radius										
LDID0004	#4 (6/1) #4 (7/1)	#3 (7W)	#4 (7W)	0.245 (6.23)	0.277 (7.05)	50	11 (5.0)	13 (330)	"C"-BLACK & "F"-YELLOW	ORANGE
LDID0001	#2 (6/1) #2 (7/1) #1 (6/1)	#1 (7W) #1 (19W)	#2 (7W)	0.316 (8.03)	0.357 (9.08)	50	15 (6.8)	14 (356)	"C"-BLACK & "F"-YELLOW	RED
LDID0010	1/0 (6/1)	1/0 (7W) 1/0 (19W)	1/0 (7W)	0.358 (9.09)	0.405 (10.30)	50	16 (7.3)	14 (356)	"C"-BLACK & "F"-YELLOW	YELLOW
LDID0020	2/0 (6/1)	2/0 (7W) 2/0 (19W)	2/0 (7W)	0.406 (10.31)	0.459 (11.66)	50	16 (7.3)	14 (356)	"C"-BLACK & "F"-YELLOW	BLUE
LDID0030	3/0 (6/1)	3/0 (7W) 3/0 (19W)	3/0 (7W)	0.460 (11.68)	0.520 (13.21)	50	23 (10.5)	16 (406)	"C"-BLACK & "F"-YELLOW	ORANGE
LDID0040	4/0 (6/1)	4/0 (7W) 4/0 (19W) 266.8 (7W)	4/0 (7W)	0.521 (13.23)	0.588 (14.95)	50	23 (10.5)	17 (432)	"C"-BLACK & "F"-YELLOW	RED
LDID0266	266.8 (18/1) 266.8 (26/7)	266.8 (19W) 266.8 (37W) 336.4 (19W)		0.589 (14.96)	0.665 (16.89)	50	26 (11.8)	17 (432)	"C"-BLACK & "F"-YELLOW	PURPLE

NOTES: *All dimensions: inches (mm) unless otherwise noted.*
AWAC is a registered trademark of Copperweld Co.

DOUBLE SUPPORT TIE FORMED WIRE INSULATOR TIE "C-NECK" & "F-NECK" (CONTINUED)

ALUMINUM ALLOY
LDID0xxx

LDID0xxx

CATALOG NUMBER	NOMINAL CONDUCTOR SIZE			DIAMETER RANGE		PACKAGING PER BOX		APPROX. APPLIED LENGTH	INSULATOR IDENT. MARK	CONDUCT. COLOR CODE
	ACSR	AAC	AAAC	MIN	MAX	UNITS	WT LBS (KG)			
9/16" Minimum Groove Radius (Continued)										
LDID0336	336.4 (18/1) 336.4 (26/7) 397.5 (18/1)	350 (19W) 397.5 (37W)		0.666 (16.91)	0.755 (19.19)	50	28 (12.7)	18 (457)	"C"-BLACK & "F"-YELLOW	BROWN
LDID0477	397.5 (24/7) 397.5 (26/7) 477 (18/1) 477 (24/7) 477 (26/7)	450 (19W) 477 (19W) 477 (37W) 500 (19W) 500 (37W) 556.5 (19W) 556.5 (37W)		0.756 (19.20)	0.858 (21.79)	50	30 (13.6)	20 (568)	"C"-BLACK & "F"-YELLOW	RED
5/8" Minimum Groove Radius										
LDID0556	477 (30/7) 556.5 (18/1) 556.5 (24/7) 556.5 (26/7) 636 (18/1)	636 (37W) 700 (37W) 700 (61W)		0.859 (21.81)	0.968 (24.60)	50	30 (13.6)	21 (533)	"C"-BLACK & "F"-YELLOW	BLUE
3/4" Minimum Groove Radius										
LDID0795	636 (24/7) 636 (26/7) 715.5 (24/7) 795 (36/1) 795 (45/7) 795 (54/7)	795 (37W) 795 (61W)		0.969 (24.61)	1.096 (27.84)	50	30 (13.6)	22 (762)	"C"-BLACK & "F"-YELLOW	GREEN

NOTES: *All dimensions: inches (mm) unless otherwise noted.*
AWAC is a registered trademark of Copperweld Co.

HUBBELL®

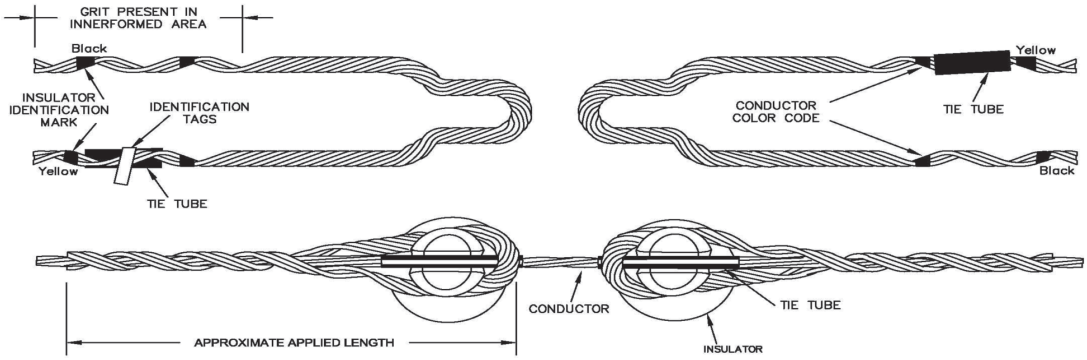
ALUMINUM ALLOY

LDID2xxx

DOUBLE SUPPORT TIE FORMED WIRE INSULATOR TIE "J-NECK"

- Double Support Ties are used in applications where the conductor is aligned to sit in the top groove of the insulator. This type of tie should not be used on line angles over 10 degrees with the insulator in a vertical orientation.
- Fargo LDID series formed wire double support ties are designed for use with ACSR, AAC, AAAC, Compacted ACSR, Compacted AAC & AWAC®.
- J-Neck (3-1/2" neck diameter) interchangeable headstyle insulators.
- Recommended for use with ANSI Class 55-6 Single Skirt Pin, 55-7 Single Skirt Pin & 56-1 Double Skirt Pin Insulators.

Note: Consult factory for information on other applications. Right hand lay standard.



DE 16

LDID2xxx

CATALOG NUMBER	NOMINAL CONDUCTOR SIZE			DIAMETER RANGE		PACKAGING PER BOX		APPROX. APPLIED LENGTH	INSULATOR IDENT. MARK	CONDUCT. COLOR CODE
	ACSR	AAC	AAAC	MIN	MAX	UNITS	WT LBS (KG)			
9/16" Minimum Groove Radius										
LDID2004	#4 (6/1) #4 (7/1)	#3 (7W)	#4 (7W)	0.245 (6.23)	0.277 (7.05)	50	11 (5.0)	14 (356)	GREEN	ORANGE
LDID2003		#2 (7W)	#3 (7W)	0.278 (7.06)	0.315 (8.00)	50	12 (5.4)	14 (356)	GREEN	PURPLE
LDID2001	#2 (6/1) #2 (7/1) #1 (6/1)	#1 (7W) #1 (19W)	#2 (7W)	0.316 (8.03)	0.357 (9.08)	50	15 (6.8)	15 (381)	GREEN	RED
LDID2010	1/0 (6/1)	1/0 (7W) 1/0 (19W)	1/0 (7W)	0.358 (9.09)	0.405 (10.30)	50	16 (7.3)	15 (381)	GREEN	YELLOW
LDID2020	2/0 (6/1)	2/0 (7W) 2/0 (19W)	2/0 (7W)	0.406 (10.31)	0.459 (11.66)	50	16 (7.7)	16 (406)	GREEN	BLUE
LDID2030	3/0 (6/1)	3/0 (7W) 3/0 (19W)	3/0 (7W)	0.460 (11.68)	0.520 (13.21)	50	25 (11.3)	16 (406)	GREEN	ORANGE
LDID2040	4/0 (6/1)	4/0 (7W) 4/0 (19W) 266.8 (7W)	4/0 (7W)	0.521 (13.23)	0.588 (14.95)	50	25 (11.3)	18 (457)	GREEN	RED
LDID2266	266.8 (18/1) 266.8 (26/7)	266.8 (19W) 266.8 (37W) 336.4 (19W)		0.589 (14.96)	0.665 (16.89)	50	25 (11.3)	18 (457)	GREEN	PURPLE

NOTES: *All dimensions: inches (mm) unless otherwise noted.*
AWAC is a registered trademark of Copperweld Co.

DOUBLE SUPPORT TIE FORMED WIRE INSULATOR TIE "J-NECK" (CONTINUED)

ALUMINUM ALLOY
LDID2xxx

LDID2xxx

CATALOG NUMBER	NOMINAL CONDUCTOR SIZE			DIAMETER RANGE		PACKAGING PER BOX		APPROX. APPLIED LENGTH	INSULATOR IDENT. MARK	CONDUCT. COLOR CODE
	ACSR	AAC	AAAC	MIN	MAX	UNITS	WT LBS (KG)			
9/16" Minimum Groove Radius (Continued)										
LDID2336	336.4 (18/1) 336.4 (26/7) 397.5 (18/1)	350 (19W) 397.5 (37W)		0.666 (16.91)	0.755 (19.19)	50	30 (13.6)	19 (483)	GREEN	BROWN
LDID2477	397.5 (24/7) 397.5 (26/7) 477 (18/1) 477 (24/7) 477 (26/7)	450 (19W) 477 (19W) 477 (37W) 500 (19W) 500 (37W) 556.5 (19W) 556.5 (37W)		0.756 (19.20)	0.858 (21.79)	50	33 (15.0)	21 (533)	GREEN	RED
5/8" Minimum Groove Radius										
LDID2556	477 (30/7) 556.5 (18/1) 556.5 (24/7) 556.5 (26/7) 636 (18/1)	636 (37W) 700 (37W) 700 (61W)		0.859 (21.81)	0.968 (24.60)	50	34 (15.5)	22 (559)	GREEN	BLUE
3/4" Minimum Groove Radius										
LDID2795	636 (24/7) 636 (26/7) 715.5 (24/7) 795 (36/1) 795 (45/7) 795 (54/7)	795 (37W) 795 (61W)		0.969 (24.61)	1.096 (27.84)	50	37 (16.8)	23 (584)	GREEN	GREEN

NOTES: *All dimensions: inches (mm) unless otherwise noted.*
AWAC is a registered trademark of Copperweld Co.

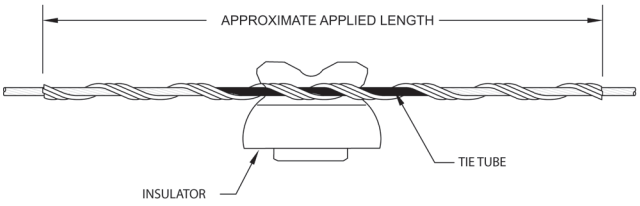
ALUMINUM COATED STEEL

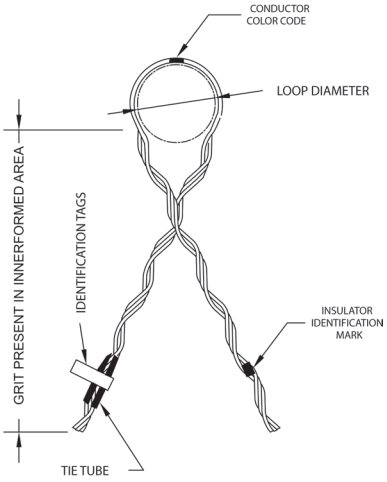
LLAC

SIDE TIE FORMED WIRE INSULATOR TIE "C-NECK"

- For securing bare and plastic covered conductor in the side groove of interchangeable headstyle insulators.
- Fargo LLAC series formed wire distribution ties are designed for use with ACSR, AAC, AAAC, ACAR, Compacted ACSR, & AWAC®.
- C-Neck insulator: 2-1/4" neck diameter.
- Recommended for use with ANSI Class 55-2 and 55-3 Post Insulators.

Note: Consult factory for information on other applications. Right hand lay standard.





DE 18

LLAC

CATALOG NUMBER	NOMINAL CONDUCTOR SIZE			DIAMETER RANGE		PACKAGING PER BOX		APPLIED LENGTH	INSULATOR IDENT. MARK	CONDUCT. COLOR CODE
	ACSR	AAC	AAAC	MIN	MAX	UNITS	WT LBS (KG)			
9/16" Minimum Groove Radius										
LLAC4052AS	#4 (6/1) #4 (7/1)	#3 (7W)	#4 (7W)	0.245 (6.23)	0.277 (7.05)	100	22 (10.0)	19 (483)	BLACK	ORANGE
LLAC4054AS	#2 (6/1) #2 (7/1) #1 (6/1)	#1 (7W) #1 (19W)	#2 (7W)	0.316 (8.03)	0.357 (9.08)	50	16 (7.3)	24 (610)	BLACK	RED
LLAC4055AS	1/0 (6/1)	1/0 (7W) 1/0 (19W)	1/0 (7W)	0.358 (9.09)	0.405 (10.30)	50	17 (7.7)	26 (660)	BLACK	YELLOW
LLAC4057AS	3/0 (6/1)	3/0 (7W) 3/0 (19W)	3/0 (7W)	0.460 (11.68)	0.520 (13.21)	50	21 (9.5)	31 (787)	BLACK	ORANGE
LLAC4058AS	4/0 (6/1)	4/0 (7W) 4/0 (19W) 266.8 (7W)	4/0 (7W)	0.521 (13.23)	0.588 (14.95)	50	22 (10.0)	32 (813)	BLACK	RED

NOTES: *All dimensions: inches (mm) unless otherwise noted.*
AWAC is a registered trademark of Copperweld Co.
"C" indicates Compact stranding.
Add "NT" suffix for no tie tube (Pad). Example: LLAC4055ASNT.

SIDE TIE FORMED WIRE INSULATOR TIE "C-NECK" (CONTINUED)

ALUMINUM COATED STEEL
LLAC

LLAC

CATALOG NUMBER	NOMINAL CONDUCTOR SIZE			DIAMETER RANGE		PACKAGING PER BOX		APPLIED LENGTH	INSULATOR IDENT. MARK	CONDUCT. COLOR CODE
	ACSR	AAC	AAAC	MIN	MAX	UNITS	WT LBS (KG)			
9/16" Minimum Groove Radius (Continued)										
LLAC4060AS	336.4 (18/1) 336.4 (26/7) 397.5 (18/1)	336.4 (37W) 397.5 (19W)		0.666 (16.91)	0.755 (19.19)	50	26 (11.8)	25 (635)	BLACK	BROWN
LLAC4061AS	397.5 (24/7) 397.5 (26/7) 477 (18/1) 477 (24/7) 477 (26/7)	450 (19W) 477 (19W) 477 (37W) 500 (19W) 500 (37W) 556.5 (19W) 556.5 (37W)		0.756 (19.20)	0.858 (21.79)	50	28 (12.7)	26 (660)	BLACK	RED
5/8" Minimum Groove Radius										
LLAC4062AS	556.5 (18/1) 556.5 (24/7) 556.5 (26/7) 636 (18/1)	636 (37W) 700 (37W) 700 (61W)		0.859 (21.81)	0.968 (24.60)	50	30 (13.6)	28 (711)	BLACK	BLUE

NOTES: *All dimensions: inches (mm) unless otherwise noted.*
AWAC is a registered trademark of Copperweld Co.
"C" indicates Compact stranding.
Add "NT" suffix for no tie tube (Pad). Example: LLAC4055ASNT.

DE 19

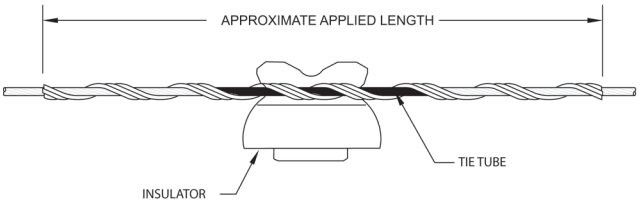
ALUMINUM/STEEL

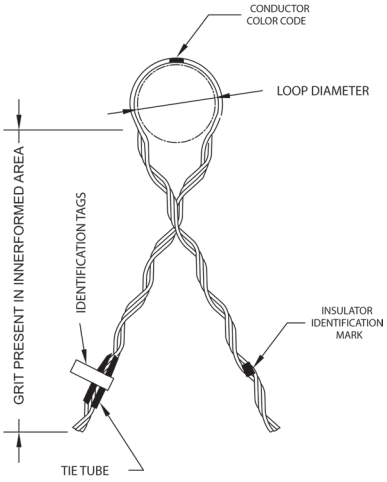
LLAF

SIDE TIE FORMED WIRE INSULATOR TIE "F-NECK"

- For securing bare and plastic covered conductor in the side groove of interchangeable headstyle insulators.
- Fargo LLAF series formed wire distribution ties are designed for use with ACSR, AAC, AAAC, ACAR, Compacted ACSR, & AWAC®.
- F-Neck insulator: 2-7/8" neck diameter.
- Recommended for use with ANSI Class 55-4 Pin, 55-5 Pin, 57-1 Post, 57-2 Post, & 57-3 Post Insulators.

Note: Consult factory for information on other applications. Right hand lay standard.





DE 20

LLAF

CATALOG NUMBER	NOMINAL CONDUCTOR SIZE			DIAMETER RANGE		PACKAGING PER BOX		APPLIED LENGTH	INSULATOR IDENT. MARK	CONDUCT. COLOR CODE
	ACSR	AAC	AAAC	MIN	MAX	UNITS	WT LBS (KG)			
9/16" Minimum Groove Radius										
LLAF4550AS	#6 (6/1)	#4 (7W) C*		0.190 (4.83)	0.215 (5.46)	100	16 (7.3)	16 (406)	YELLOW	BLUE
LLAF4551AS	#4 (6/1) C* #4 (7/1) C*	#4 (7W)		0.216 (5.47)	0.244 (6.21)	100	17 (7.7)	17 (432)	YELLOW	BROWN
LLAF4552AS	#4 (6/1) #4 (7/1)	#3 (7W)	#4 (7W)	0.245 (6.23)	0.277 (7.05)	100	19 (8.6)	19 (483)	YELLOW	ORANGE
LLAF4553AS		#2 (7W)	#3 (7W)	0.278 (7.06)	0.315 (8.01)	50	12 (5.5)	21 (533)	YELLOW	PURPLE
LLAF4554AS	#2 (6/1) #2 (7/1) #1 (6/1)	#1 (7W) #1 (19W)	#2 (7W)	0.316 (8.03)	0.357 (9.08)	50	17 (7.7)	24 (610)	YELLOW	RED

NOTES: *All dimensions: inches (mm) unless otherwise noted.*
AWAC is a registered trademark of Copperweld Co.
**"C" indicates Compact stranding.*
Add "NT" suffix for no tie tube (Pad). Example: LLAF4555ASNT.

SIDE TIE FORMED WIRE INSULATOR TIE "F-NECK" (CONTINUED)

ALUMINUM/STEEL
LLAF

LLAF

CATALOG NUMBER	NOMINAL CONDUCTOR SIZE			DIAMETER RANGE		PACKAGING PER BOX		APPLIED LENGTH	INSULATOR IDENT. MARK	CONDUCT. COLOR CODE
	ACSR	AAC	AAAC	MIN	MAX	UNITS	WT LBS (KG)			
9/16" Minimum Groove Radius (Continued)										
LLAF4555AS	1/0 (6/1)	1/0 (7W) 1/0 (19W)	1/0 (7W)	0.358 (9.09)	0.405 (10.30)	50	17 (7.7)	26 (660)	YELLOW	YELLOW
LLAF4556AS	2/0 (6/1)	2/0 (7W) 2/0 (19W)	2/0 (7W)	0.406 (10.31)	0.459 (11.67)	50	21 (9.5)	28 (711)	YELLOW	BLUE
LLAF4557AS	3/0 (6/1)	3/0 (7W) 3/0 (19W)	3/0 (7W)	0.460 (11.68)	0.520 (13.21)	50	22 (10.0)	30 (762)	YELLOW	ORANGE
LLAF4558AS	4/0 (6/1)	4/0 (7W) 4/0 (19W) 266.8 (7W)	4/0 (7W)	0.521 (13.23)	0.588 (14.95)	50	24 (10.9)	32 (813)	YELLOW	RED
LLAF4559AS	266.8 (18/1) 266.8 (26/7)	266.8 (19W) 266.8 (37W) 336.4 (19W)		0.589 (14.96)	0665 (16.95)	50	24 (10.9)	23 (584)	YELLOW	PURPLE
LLAF4560AS	336.4 (18/1) 336.4 (26/7) 397.5 (18/1)	350 (19W) 397.5 (37W)		0.666 (16.91)	0.755 (19.19)	50	33 (15.0)	25 (635)	YELLOW	BROWN
LLAF4561AS	397.5 (24/7) 397.5 (26/7) 477 (18/1) 477 (24/7) 477 (26/7)	450 (19W) 477 (19W) 477 (37W) 500 (19W) 500 (37W) 556.5 (19W) 556.5 (37W)		0.756 (19.20)	0.858 (21.79)	50	30 (13.6)	26 (660)	YELLOW	RED
5/8" Minimum Groove Radius										
LLAF4562AS	556.5 (18/1) 556.5 (24/7) 556.5 (26/7) 636 (18/1)	636 (37W) 700 (37W) 700 (61W)		0.859 (21.81)	0.968 (24.60)	50	36 (16.4)	28 (711)	YELLOW	BLUE
11/16" Minimum Groove Radius										
LLAF4563AS	636 (24/7) 636 (26/7) 715.5 (24/7) 795 (36/1) 795 (45/7) 795 (54/7)	795 (37W) 795 (61W)		0.969 (24.61)	1.096 (27.85)	50	36 (16.4)	29 (737)	YELLOW	GREEN

NOTES: *All dimensions: inches (mm) unless otherwise noted.*
AWAC is a registered trademark of Copperweld Co.
"C" indicates Compact stranding.
Add "NT" suffix for no tie tube (Pad). Example: LLAF4555ASNT.

DE 21

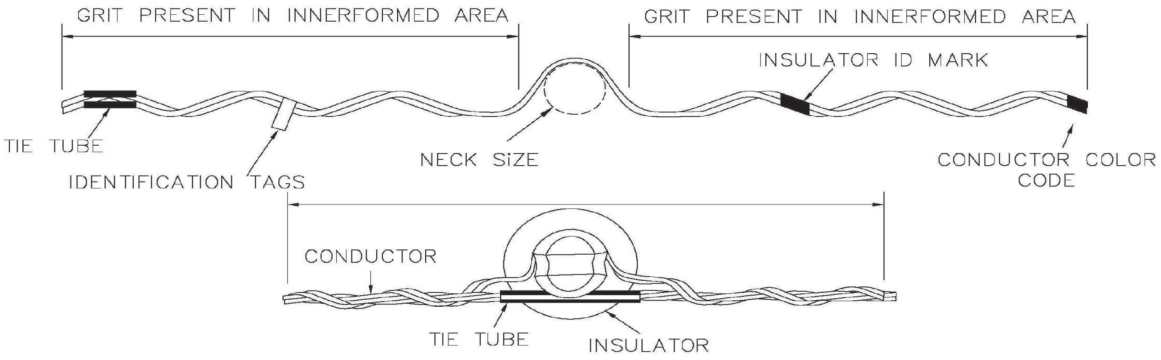
ALUMINUM/STEEL

QWSTC

SIDE TIE FORMED WIRE QUIK-WRAP™ INSULATOR TIE "C-NECK"

- For securing bare or plastic jacketed conductor in the side groove of interchangeable headstyle insulators.
- Fargo QWSTC series formed wire distribution ties are designed for use with ACSR, AAC, AAAC, AWAC®, Compacted ACSR & Compacted AAC.
- C-Neck insulator: 2-1/4" neck diameter
- Recommended for use with ANSI Class 55-2 Pin & 55-3 Pin Insulators.

Note: Consult factory for information on other applications. Right hand lay standard.



DE 22

QWSTC

CATALOG NUMBER	NOMINAL CONDUCTOR SIZE			DIAMETER RANGE		PACKAGING PER BOX		APPLIED LENGTH	INSULATOR IDENT. MARK	CONDUCT. COLOR CODE
	ACSR	AAC	AAAC	MIN	MAX	UNITS	WT LBS (KG)			
9/16" Minimum Groove Radius										
QWSTC274	#2 (6/1) #2 (7/1) #1 (6/1)	#1 (7W) #1 (19W)	#2 (7W)	0.316 (8.03)	0.357 (9.08)	100	19 (8.6)	25 (635)	BLACK	RED
QWSTC275	1/0 (6/1)	1/0 (7W) 1/0 (19W)	1/0 (7W)	0.358 (9.09)	0.405 (10.30)	100	21 (9.5)	23 (584)	BLACK	YELLOW
QWSTC278	4/0 (6/1)	4/0 (7W) 4/0 (19W) 266.8 (7W)	4/0 (7W)	0.521 (13.23)	0.588 (14.95)	100	30 (13.6)	28 (711)	BLACK	RED
QWSTC281	397.5 (24/7) 397.5 (26/7) 477 (18/1) 477 (24/7) 477 (26/7)	450 (19W) 477 (19W) 477 (37W) 500 (19W) 500 (37W) 556.5 (19W) 556.5 (37W)		0.756 (19.20)	0.858 (21.79)	50	29 (13.2)	35 (889)	BLACK	RED
5/8" Minimum Groove Radius										
QWSTC282	556.5 (18/1) 556.5 (24/7) 556.5 (26/7) 636 (18/1)	636 (37W) 700 (37W) 700 (61W)		0.859 (21.81)	0.968 (24.60)	50	36 (914)	36 (914)	BLACK	BLUE

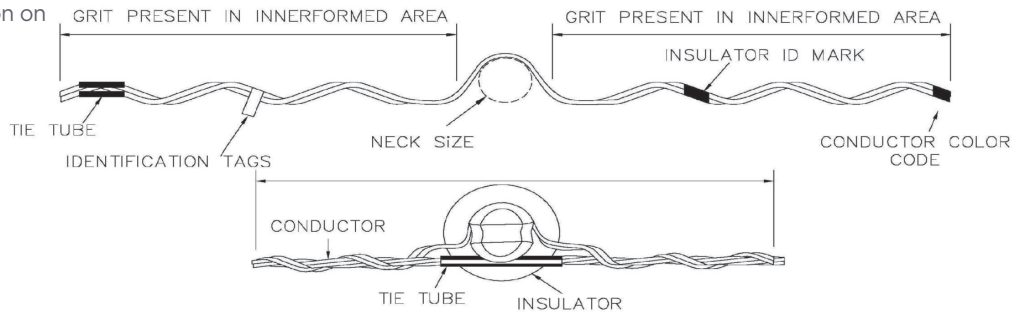
NOTES: *All dimensions: inches (mm) unless otherwise noted.*
AWAC is a registered trademark of Copperweld Co.
"C" indicates Compact stranding.
Add "NT" suffix for no tie tube (Pad). Example: QWSTC274NT.

SIDE TIE
FORMED WIRE
QUIK-WRAP™ INSULATOR TIE "F-NECK"

ALUMINUM/STEEL
QWSTF

- For securing bare or plastic jacketed conductor in the side groove of interchangeable headstyle insulators.
- Fargo QWSTF series formed wire distribution ties are designed for use with ACSR, AAC, AAAC, AWAC®, Compacted ACSR & Compacted AAC.
- F-Neck insulator: 2-7/8" neck diameter
- Recommended for use with ANSI Class 55-4 Pin, 55-5 Pin, 57-1 Pin, 57-2 Pin & 57-3 Pin Insulators.

Note: Consult factory for information on other applications.
Right hand lay standard.



QWSTF

CATALOG NUMBER	NOMINAL CONDUCTOR SIZE			DIAMETER RANGE		PACKAGING PER BOX		APPLIED LENGTH	INSULATOR IDENT. MARK	CONDUCT. COLOR CODE
	ACSR	AAC	AAAC	MIN	MAX	UNITS	WT LBS (KG)			
9/16" Minimum Groove Radius										
QWSTF172	#4 (6/1) #4 (7/1)	#3 (7W)	#4 (7W)	0.245 (6.23)	0.277 (7.05)	100	18 (8.2)	23 (584)	YELLOW	ORANGE
QWSTF174	#2 (6/1) #2 (7/1) #1 (6/1)	#1 (7W) #1 (19W)	#2 (7W)	0.316 (8.03)	0.357 (9.08)	100	19 (8.6)	25 (635)	YELLOW	RED
QWSTF175	1/0 (6/1)	1/0 (7W) 1/0 (19W)	1/0 (7W)	0.358 (9.09)	0.405 (10.30)	100	21 (9.5)	23 (584)	YELLOW	YELLOW
QWSTF176	2/0 (6/1)	2/0 (7W) 2/0 (19W)	2/0 (7W)	0.406 (10.31)	0.459 (11.67)	100	22 (10.0)	25 (635)	YELLOW	BLUE
QWSTF177	3/0 (6/1)	3/0 (7W) 3/0 (19W)	3/0 (7W)	0.460 (11.68)	0.520 (13.21)	100	24 (10.9)	27 (686)	YELLOW	ORANGE
QWSTF178	4/0 (6/1)	4/0 (7W) 4/0 (19W) 266.8 (7W)	4/0 (7W)	0.521 (13.23)	0.588 (14.95)	100	30 (13.6)	28 (711)	YELLOW	RED
QWSTF180	336.4 (18/1) 336.4 (26/7) 397.5 (18/1)	350 (19W) 3/0 (19W)		0.666 (16.91)	0.755 (19.19)	100	34 (15.5)	34 (864)	YELLOW	BROWN
QWSTF181	397.5 (24/7) 397.5 (26/7) 477 (18/1) 477 (24/7) 477 (26/7)	450 (19W) 477 (19W) 477 (37W) 500 (19W) 500 (37W) 556.5 (19W) 556.5 (37W)		0.756 (19.20)	0.858 (21.79)	50	54 (24.5)	36 (914)	YELLOW	RED

NOTES: *All dimensions: inches (mm) unless otherwise noted.*
AWAC is a registered trademark of Copperweld Co.
"C" indicates Compact stranding.
Add "NT" suffix for no tie tube (Pad). Example: QWSTF172NT.

ALUMINUM/STEEL
QWSTF

SIDE TIE FORMED WIRE QUIK-WRAP™ INSULATOR TIE "F-NECK" (CONTINUED)

QWSTF

CATALOG NUMBER	NOMINAL CONDUCTOR SIZE			DIAMETER RANGE		PACKAGING PER BOX		APPLIED LENGTH	INSULATOR IDENT. MARK	CONDUCT. COLOR CODE
	ACSR	AAC	AAAC	MIN	MAX	UNITS	WT LBS (KG)			
5/8" Minimum Groove Radius										
QWSTF182	556.5 (18/1) 556.5 (24/7) 556.5 (26/7) 636 (18/1)	636 (37W) 700 (37W) 700 (61W)		0.859 (21.81)	0.968 (24.60)	50	36 (16.4)	37 (940)	YELLOW	BLUE
11/16" Minimum Groove Radius										
QWSTF183	636 (24/7) 636 (26/7) 715.5 (24/7) 795 (36/1) 795 (45/7) 795 (54/7)	795 (37W) 795 (61W)		0.969 (24.61)	1.096 (27.85)	50	39 (17.7)	39 (991)	YELLOW	GREEN
3/4" Minimum Groove Radius										
QWSTF184	795 (26/7) 954 (36/1) 954 (54/7) 1033.5 (45/7) 1033.5 (54/7)	954 (37W) 1033.5 (37W) 1033.5 (61W) 1113 (61W)		1.097 (27.86)	1.240 (31.50)	50	40 (18.2)	40 (1016)	YELLOW	YELLOW

NOTES: *All dimensions: inches (mm) unless otherwise noted.*
AWAC is a registered trademark of Copperweld Co.
"C" indicates Compact stranding.
Add "NT" suffix for no tie tube (Pad). Example: QWSTF172NT.

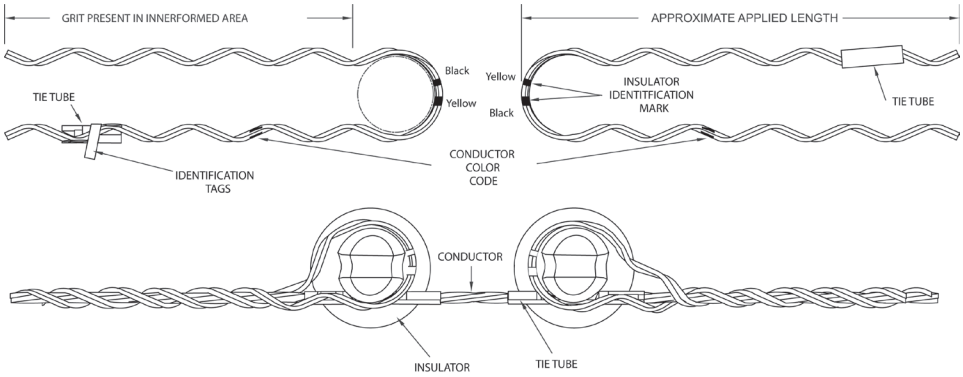
DE 24

DOUBLE SIDE TIE FORMED WIRE INSULATOR TIE "C-NECK" & "F-NECK"

ALUMINUM/STEEL
LLDU4xxx

- Double Side Ties are used on double arm construction in applications where the conductor is aligned to sit in the side groove of interchangeable headstyle insulators. This type of tie is typically for use in applications where the line angles are larger than double support ties. This series is for use on vertically mounted insulators (at double insulator locations) with line angles between (0°) zero degrees and (80°) eighty degrees with no more than a (40°) forty degree angle at each insulator.
- Fargo LLDU series formed wire double support ties are designed for use with ACSR, AAC, AAAC, Compacted ACSR & AWAC®.
- C-Neck (2-1/4" neck diameter) & F-Neck (2-7/8" neck diameter) interchangeable headstyle insulators.
- Recommended for use with ANSI Class 55-2 Pin, 55-3 Pin, 55-4 Pin, 55-5 Pin, 57-1 Post, 57-2 Post, & 57-3 Post Insulators.

Note: Consult factory for information on other applications.
Right hand lay standard.



DE 25

LLDU4xxx

CATALOG NUMBER	NOMINAL CONDUCTOR SIZE			DIAMETER RANGE		PACKAGING PER BOX		APPROX. APPLIED LENGTH	INSULATOR IDENT. MARK	CONDUCT. COLOR CODE
	ACSR	AAC	AAAC	MIN	MAX	UNITS	WT LBS (KG)			
9/16" Minimum Groove Radius										
LLDU4152AS	#4 (6/1) #4 (7/1)	#3 (7W)	#4 (7W)	0.245 (6.23)	0.277 (7.05)	50	21 (9.5)	16 (406)	"C"-BLACK & "F"-YELLOW	ORANGE
LLDU4153AS		#2 (7W)	#3 (7W)	0.278 (7.06)	0315 (8.00)	50	21 (9.5)	16 (406)	"C"-BLACK & "F"-YELLOW	PURPLE
LLDU4154AS	#2 (6/1) #2 (7/1) #1 (6/1)	#1 (7W) #1 (19W)	#2 (7W)	0.316 (8.03)	0.357 (9.08)	50	21 (9.5)	16 (406)	"C"-BLACK & "F"-YELLOW	RED
LLDU4155AS	1/0 (6/1)	1/0 (7W) 1/0 (19W)	1/0 (7W)	0.358 (9.09)	0.405 (10.30)	50	21 (9.5)	17 (432)	"C"-BLACK & "F"-YELLOW	YELLOW
LLDU4156AS	2/0 (6/1)	2/0 (7W) 2/0 (19W)	2/0 (7W)	0.406 (10.31)	0.459 (11.66)	50	21 (9.5)	18 (457)	"C"-BLACK & "F"-YELLOW	BLUE
LLDU4157AS	3/0 (6/1)	3/0 (7W) 3/0 (19W)	3/0 (7W)	0.460 (11.68)	0.520 (13.21)	50	36 (16.4)	19 (483)	"C"-BLACK & "F"-YELLOW	ORANGE
LLDU4158AS	4/0 (6/1)	4/0 (7W) 4/0 (19W) 266.8 (7W)	4/0 (7W)	0.521 (13.23)	0.588 (14.95)	50	36 (16.4)	19 (483)	"C"-BLACK & "F"-YELLOW	RED

NOTES: *All dimensions: inches (mm) unless otherwise noted.*
AWAC is a registered trademark of Copperweld Co.

ALUMINUM/STEEL
LLDU4xxx

DOUBLE SIDE TIE FORMED WIRE INSULATOR TIE "C-NECK" & "F-NECK" (CONTINUED)

LLDU4xxx

CATALOG NUMBER	NOMINAL CONDUCTOR SIZE			DIAMETER RANGE		PACKAGING PER BOX		APPROX. APPLIED LENGTH	INSULATOR IDENT. MARK	CONDUCT. COLOR CODE
	ACSR	AAC	AAAC	MIN	MAX	UNITS	WT LBS (KG)			
9/16" Minimum Groove Radius (Continued)										
LLDU4159AS	266.8 (18/1) 266.8 (26/7)	266.8 (19W) 266.8 (37W) 336.4 (19W)		0.589 (14.96)	0.665 (16.89)	50	38 (17.3)	20 (508)	"C"-BLACK & "F"-YELLOW	PURPLE
LLDU4160AS	336.4 (18/1) 336.4 (26/7) 397.5 (18/1)	350 (19W) 397.5 (37W)		0.666 (16.92)	0.755 (19.18)	50	39 (17.7)	20 (508)	"C"-BLACK & "F"-YELLOW	BROWN
LLDU4161AS	397.5 (24/7) 397.5 (26/7) 477 (18/1) 477 (24/7) 477 (26/7)	450 (19W) 477 (19W) 477 (37W) 500 (19W) 500 (37W) 556.5 (19W) 556.5 (37W)		0.756 (19.20)	0.858 (21.79)	50	39 (17.7)	20 (508)	"C"-BLACK & "F"-YELLOW	RED
5/8" Minimum Groove Radius										
LLDU4162AS	556.5 (18/1) 556.5 (24/7) 556.5 (26/7) 636 (18/1)	636 (37W) 700 (37W) 700 (61W)		0.859 (21.81)	0.968 (24.60)	50	42 (19.1)	22 (762)	"C"-BLACK & "F"-YELLOW	BLUE
11/16" Minimum Groove Radius										
LLDU4163AS	636 (24/7) 636 (26/7) 715.5 (24/7) 795 (36/1) 795 (45/7) 795 (54/7)	795 (37W) 795 (61W)		0.969 (24.61)	1.096 (27.84)	50	44 (20.0)	24 (610)	"C"-BLACK & "F"-YELLOW	GREEN
3/4" Minimum Groove Radius										
LLDU4164AS	795 (26/7) 954 (36/1) 954 (54/7) 1033.5 (45/7)	954 (37W) 1033.5 937W) 1033.5 (61W) 1113 (61W)		1.097 (27.86)	1.240 (31.50)	50	44 (20.0)	24 (610)	"C"-BLACK & "F"-YELLOW	YELLOW

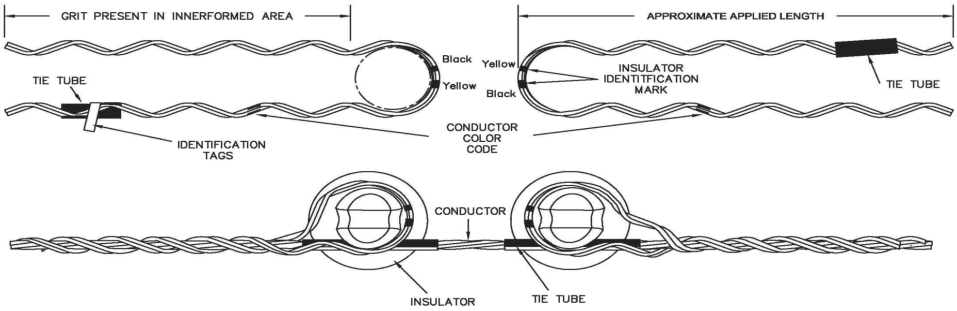
NOTES: *All dimensions: inches (mm) unless otherwise noted.*
AWAC is a registered trademark of Copperweld Co.

DOUBLE SIDE TIE FORMED WIRE INSULATOR TIE "J" NECK

ALUMINUM/STEEL
LLDU5xxx

- Double Side Ties are used on double arm construction in applications where the conductor is aligned to sit in the side groove of interchangeable headstyle insulators. This type of tie is typically for use in applications where the line angles are larger than double support ties. This series is for use on vertically mounted insulators (at double insulator locations) with line angles between (0°) zero degrees and (80°) eighty degrees with no more than a (40°) forty degree angle at each insulator.
- Fargo LLDU series formed double support ties are designed for use with ACSR, AAC, AAAC, Compacted ACSR & AWAC®.
- J-Neck (3-1/2" neck diameter) interchangeable headstyle insulators.
- Recommended for use with ANSI Class 55-6 Single Skirt Pin, 55-7 Single Skirt Pin & 56-1 Double Skirt Pin Insulators.

Note: Consult factory for information on other applications.
Right hand lay standard.



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LLDU5xxx

CATALOG NUMBER	NOMINAL CONDUCTOR SIZE			DIAMETER RANGE		PACKAGING PER BOX		APPROX. APPLIED LENGTH	INSULATOR IDENT. MARK	CONDUCT. COLOR CODE
	ACSR	AAC	AAAC	MIN.	MAX	UNITS	WT LBS (KG)			
9/16" Minimum Groove Radius										
LLDU5152AS	#4 (6/1) #4 (7/1)	#3 (7W)	#4 (7W)	0.245 (6.23)	0.277 (7.05)	50	24 (10.9)	19 (483)	GREEN	ORANGE
LLDU5154AS	#2 (6/1) #2 (7/1) #1 (6/1)	#1 (7W) #1 (19W)	#2 (7W)	0.316 (8.03)	0.357 (9.08)	50	27 (12.3)	22 (559)	GREEN	RED
LLDU5155AS	1/0 (6/1)	1/0 (7W) 1/0 (19W)	1/0 (7W)	0.358 (9.09)	0.405 (10.30)	50	26 (11.8)	21 (533)	GREEN	YELLOW
LLDU5156AS	2/0 (6/1)	2/0 (7W) 2/0 (19W)	2/0 (7W)	0.406 (10.31)	0.459 (11.66)	50	36 (16.4)	19 (483)	GREEN	BLUE
11/16" Minimum Groove Radius										
LLDU5163AS	636 (24/7) 636 (26/7) 715.5 (24/7) 795 (36/1) 795 (45/7) 795 (54/7)	795 (37W) 795 (61W)		0.969 (24.61)	1.096 (27.84)	50	43 (19.5)	23 (584)	GREEN	GREEN

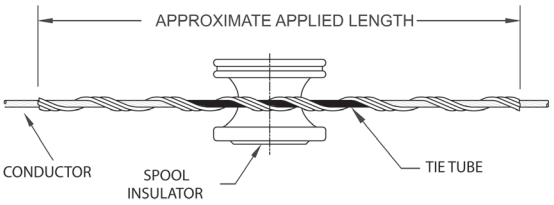
NOTES: *All dimensions: inches (mm) unless otherwise noted.*
AWAC is a registered trademark of Copperweld Co.

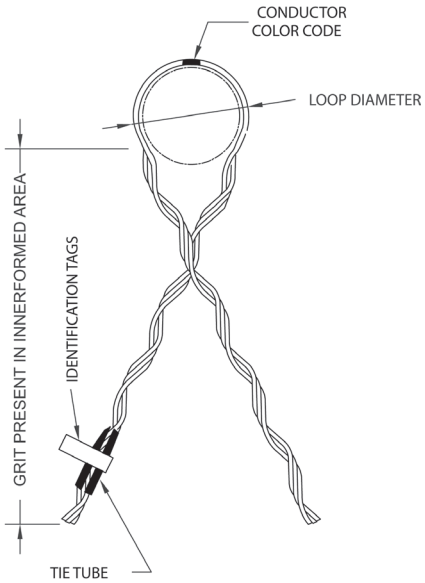
ALUMINUM ALLOY
LRO

SPOOL TIE
FORMED WIRE
SPOOL INSULATOR TIE

- Spool Ties are used in applications where the spool insulator is mounted either horizontally or vertically and the conductor is alligned to sit in the groove of the insulator.
- Fargo LRO series formed wire spool ties are designed for use with ACAR, ACSR, AAC, AAAC, Compacted ACSR, & AWAC®.
- For 1-3/4" neck diameter interchangeable headstyle insulators.
- Recommended for use with ANSI Class 53-1, 53-2 & 53-3 Spool Insulators.

Note: Consult factory for information on other applications. Right hand lay standard.





DE 28

LRO

CATALOG NUMBER	NOMINAL CONDUCTOR SIZE				DIAMETER RANGE		PACKAGING PER BOX		APPROX. APPLIED LENGTH	CONDUCT. COLOR CODE
	ACSR	AAC	AAAC	PLASTIC JACKETED	MIN.	MAX	UNITS	WT LBS (KG)		
LRO4006AS	#4 (6/1) #4 (7/1)	#3 (7W)	#4 (7W)	#6 (7W) 2/64s #6 Solid 3/64s #6 (6/1) 2/64s	0.245 (6.22)	0.277 (7.05)	100	16 (7.3)	19 (483)	ORANGE
LRO4010AS		#2 (7W)	#3 (7W)	#6 (6/1) 3/64s #4 Solid 3/64s #4 (6/1) 2/64s	0.278 (7.06)	0.315 (8.00)	100	17 (7.7)	21 (533)	PURPLE
LRO4012AS	#1 (6/1) #2 (6/1) #2 (7/1)	#1 (7W) #1 (19W)	#2 (7W)	#4 (6/1) 3/64s #4 (7/1) 3/64s #2 (7W) 3/64s	0.316 (8.03)	0.357 (9.08)	100	23 (10.5)	24 (610)	RED
LRO4018AS	1/0 (6/1)	1/0 (7W) 1/0 (19W)	1/0 (7W)	#3 (7W) 4/64s #2 (7W) 3/64s #4 (7W) 5/65s	0.358 (9.09)	0.405 (10.29)	100	24 (10.9)	26 (660)	YELLOW
LRO4020AS	2/0 (6/1)	2/0 (7W) 2/0 (19W)	2/0 (7W)	#2 (6/1) 3/64s #2 (7W) 4/64s #1 (7W) 4/64s	0.406 (10.31)	0.459 (11.67)	100	28 (12.7)	28 (711)	BLUE

NOTES: *All dimensions: inches (mm) unless otherwise noted.*
AWAC is a registered trademark of Copperweld Co.
Add "NT" suffix for no tie tube (Pad). Example: LRO4018ASNT.

SPOOL TIE
FORMED WIRE
SPOOL INSULATOR TIE
(CONTINUED)

ALUMINUM ALLOY
LRO

LRO

CATALOG NUMBER	NOMINAL CONDUCTOR SIZE				DIAMETER RANGE		PACKAGING PER BOX		APPROX. APPLIED LENGTH	CONDUCT. COLOR CODE
	ACSR	AAC	AAAC	PLASTIC JACKETED	MIN.	MAX	UNITS	WT LBS (KG)		
LRO4022AS	3/0 (6/1)	3/0 (7W) 3/0 (19W)	3/0 (7W)	#4 (7W) 8/64s #1 (6/1) 4/64s #1 (7W) 5/64s #1 (19W) 5/64s 1/0 (7W) 4/64s	0.460 (11.68)	0.520 (13.21)	100	32 (14.5)	31 (787)	ORANGE
LRO4024AS	4/0 (6/1)	4/0 (7W) 4/0 (19W) 266.8 (7W)	4/0 (7W)	1/0 (6/1) 4/64s 1/0 (7W) 5/64s 2/0 (7W) 4/64s 1/0 (6/1) 5/64s	0.521 (13.23)	0.588 (14.94)	50	18 (457)	32 (813)	RED
LRO4025AS	266.8 (18/1) 266.8 (26/7)	266.8 (19W) 266.8 (37W) 336.4 (19W)		3/0 (7W) 4/64s 3/0 (19W) 4/64s 3/0 (6/1) 4/64s 4/0 (7W) 4/64s 4/0 (19W) 4/64s 3/0 (6/1) 5/64s	0.589 (14.96)	0.665 (16.89)	50	19 (8.6)	23 (584)	PURPLE
LRO4027AS	336.4 (18/1) 336.4 (26/7) 397.5 (18/1)	350 (19W) 397.5 (19W)		4/0 (7W) 5/64s 3/0 (6/1) 6/64s 4/0 (61/) 5/64s 266.8 (19W) 5/64s	0.666 (16.91)	0.755 (19.18)	50	24 (10.9)	25 (635)	BROWN
LRO4030AS	397.5 (24/7) 397.5 (26/7) 477 (18/1) 477 (24/7) 477 (26/7)	450 (19W) 477 (19W) 477 (37W) 500 (19W) 500 (37W) 556.5 (19W) 556.5 (37W)		266.8 (18/1) 5/64s 336.4 (19W) 4/64s 336.4 (37W) 6/64s	0.756 (19.20)	0.858 (21.80)	50	25 (11.4)	26 (660)	RED
LRO4031AS	556.5 (18/1) 556.5 (24/7) 556.5 (26/7) 636 (18/1)	636 (37W) 700 (19W) 700 (37W)		350 (37W) 6/64s 336.4 (19W) 8/64s 450 (37W) 5/64s 477 (37W) 5/64s	0.859 (21.81)	0.968 (24.60)	50	26 (11.8)	28 (711)	BLUE

NOTES: *All dimensions: inches (mm) unless otherwise noted.*
AWAC is a registered trademark of Copperweld Co.
Add "NT" suffix for no tie tube (Pad). Example: LRO4018ASNT.

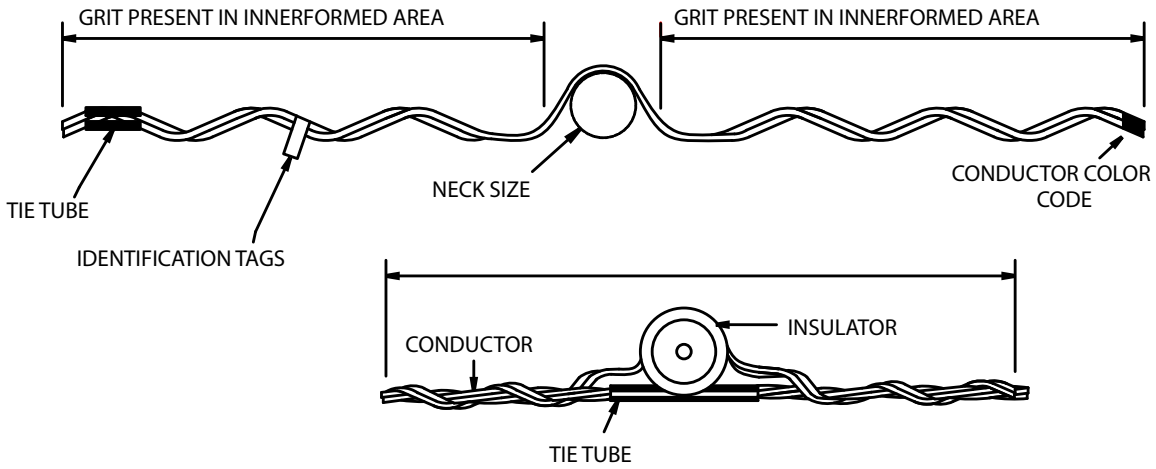
ALUMINUM ALLOY

QWSP

SPOOL TIE
FORMED WIRE
QUIK-WRAP™ SPOOL INSULATOR TIE

- QUIK-WRAP™ Spool Ties are used in applications where the spool insulator is mounted either horizontally or vertically and the conductor is aligned to sit in the groove of the insulator.
- Fargo QWSP series formed wire spool ties are designed for use with ACAR, ACSR, AAC, AAAC, Compacted ACSR & AWAC®.
- For 1-3/4" neck diameter interchangeable headstyle insulators per ANSI Classes 53-1, 53-2, 53-3.

Note: Consult factory for information on other applications. Right hand lay standard.



DE 30

QWSP

CATALOG NUMBER	NOMINAL CONDUCTOR SIZE				DIAMETER RANGE		PACKAGING PER BOX		APPROX. APPLIED LENGTH	CONDUCT. COLOR CODE
	ACSR	AAC	AAAC	PLASTIC JACKETED	MIN.	MAX	UNITS	WT LBS (KG)		
QWSP4372	#4 (6/1) #4 (7/1)	#4 (7W)	#4 (7W)	#6 (7W) 2/64s #6 Solid 3/64s #6 (6/1) 2/64s	0.245 (6.22)	0.277 (7.05)	100	16 (7.3)	19 (483)	ORANGE
QWSP4374	#1 (6/1) #2 (6/1) #2 (7/1)	#2 (7W)	#2 (7W)	#4 (6/1) 3/64s #4 (7/1) 3/64s #4 (7W) 3/64s	0.316 (8.03)	0.357 (9.08)	100	23 (10.5)	24 (610)	RED
QWSP4375	1/0 (6/1)	1/0 (7W)	1/0 (7W)	#3 (7W) 4/64s #2 (7W) 3/64s #4 (7W) 5/65s	0.358 (9.09)	0.405 (10.29)	100	24 (10.9)	26 (660)	YELLOW
QWSP4376	2/0 (6/1)	2/0 (7W)	2/0 (7W)	#2 (6/1) 3/64s #2 (7W) 4/64s #1 (7W) 4/64s	0.406 (10.31)	0.459 (11.67)	100	28 (12.7)	28 (711)	BLUE
QWSP4377	3/0 (6/1)	3/0 (7W) 3/0 (19W)	3/0 (7W)	#4 (7W) 8/64s #1 (6/1) 4/64s #1 (7W) 5/64s #1 (19W) 5/64s 1/0 (7W) 4/64s	0.460 (11.68)	0.520 (13.21)	100	32 (14.5)	31 (787)	ORANGE

NOTES: *All dimensions: inches (mm) unless otherwise noted.*
AWAC is a registered trademark of Copperweld Co.
Add "NT" suffix for no tie tube (Pad). Example: QWSP4372NT.

SPOOL TIE
FORMED WIRE
QUIK-WRAP™ SPOOL INSULATOR TIE
(CONTINUED)

ALUMINUM ALLOY
QWSP

QWSP

CATALOG NUMBER	NOMINAL CONDUCTOR SIZE				DIAMETER RANGE		PACKAGING PER BOX		APPROX. APPLIED LENGTH	CONDUCT. COLOR CODE
	ACSR	AAC	AAAC	PLASTIC JACKETED	MIN.	MAX	UNITS	WT LBS (KG)		
QWSP4378	4/0 (6/1)	4/0 (7W)	4/0 (7W)	1/0 (6/1) 4/64s 1/0 (7W) 5/64s 2/0 (7W) 4/64s 1/0 (6/1) 5/64s	0.521 (13.23)	0.588 (14.94)	50	18 (457)	32 (813)	RED
QWSP4380	336.4 (18/1) 336.4 (26/7) 397.5 (18/1)	350 (19W) 397.5 (19W)		4/0 (7W) 5/64s 3/0 (6/1) 6/64s 4/0 (6/1) 5/64s 266.8 (19W) 5/64s	0.666 (16.91)	0.755 (19.18)	50	24 (10.9)	25 (635)	BROWN
QWSP4381	477 (18/1) 477 (24/7)	477 (19W) 477 (37W) 556.5 (19W)	477 (19W) 477 (37W) 556.5 (19W)	266.8 (18/1) 5/64s 336.4 (19W) 4/64s 336.4 (37W) 6/64s	0.756 (19.20)	0.858 (21.80)	50	25 (11.4)	32 (813)	RED

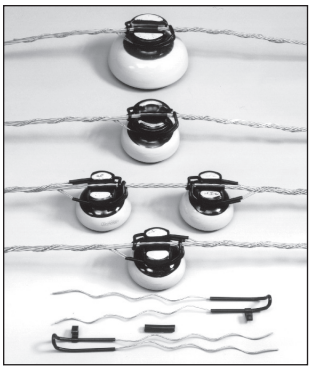
NOTES: *All dimensions: inches (mm) unless otherwise noted.*
AWAC is a registered trademark of Copperweld Co.
Add "NT" suffix for no tie tube (Pad). Example: QWSP4372NT.

HUBBELL®

SUPER TOP-TIE LINE TIES FOR PIN, POST AND SPOOL INSULATORS

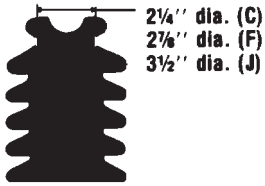
ALUMINUM/STEEL

STT

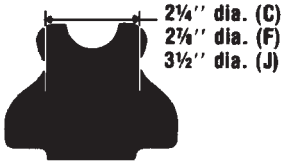


Made of aluminum-clad steel compatible with aluminum, aluminum-alloy and ACSR conductors in the top grooves of vertical-mounted *ANSI C, F, J and many non-standard pin and post insulators (single- or double-support) or on *ANSI 53-2 spool insulators (horizontal or vertical).

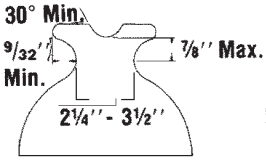
High-density polyethylene hooks provide the wide application range and ensure proper installation. If used over armor rods (not required), select tie size based on total conductor/armor diameter. Semiconductor-rubber pad and high-density polyethylene on loops protect against abrasion of insulator, conductor and tie. Fit is resilient and provides superior performance under galloping and aeolian vibration. Install by hand or with hot-line tools.



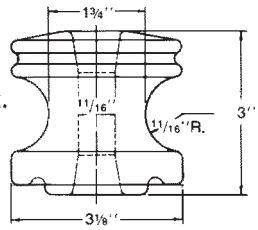
POST INSULATOR



PIN INSULATOR



NON-STANDARD INSULATOR



ANSI 53-2 SPOOL

DE 32

*Super Top-Tie STT10 - STT130 also fit many foreign or reclaimed pin and post insulators with neck sizes 2-1/4" – 3-1/2.

Consult Hubbell Power Systems, Inc. for use on pins and posts outside these dimensions.

STT

CATALOG NUMBER	ALUMINUM-TYPE CONDUCTORS, TYPICAL SIZES			DIAMETER RANGE INCHES (MM)		STD. PKG.	WT PER 100 LBS (KG)	CONDUCT. COLOR CODE
	ACSR	AAC	AAAC	MIN	MAX			
STT10	#6 (6/1)	#6 (7W)	#6 (7W)	0.184 (4.67)	0.220 (5.59)	50	28 (12.7)	NONE
STT20	#4 (6/1)	#4 (7W)	#4 (7W)	0.221 (5.61)	0.257 (6.53)	50	28 (12.7)	ORANGE
STT40	#2 (6/1)	#2 (7W)	#2 (7W)	0.290 (7.37)	0.325 (8.26)	50	28 (12.7)	RED
STT50	#1 (6/1)	#1 (7W)	#1 (7W)	0.326 (8.28)	0.360 (9.14)	50	28 (12.7)	GRAY
STT60	1/0 (6/1)	1/0 (7W)	1/0 (7W)	0.361 (9.17)	0.409 (10.39)	50	32 (14.5)	YELLOW
STT70	2/0 (6/1)	2/0 (7W)	2/0 (7W)	0.410 (10.41)	0.460 (11.68)	50	32 (14.5)	BLUE
STT80	3/0 (6/1)	3/0 (7W)	3/0 (7W)	0.461 (11.71)	0.516 (13.11)	50	32 (14.5)	BLACK
STT90	4/0 (6/1)	4/0 (7W)	4/0 (7W)	0.517 (13.13)	0.584 (14.83)	50	32 (14.5)	PINK
STT100	266.8 (18/1)	266.8 (19W)	266.8 (19W)	0.585 (14.86)	0.664 (16.87)	50	32 (14.5)	GREEN
STT110	336.4 (18/1)	336.4 (19W)	336.4 (19W)	0.665 (16.89)	0.755 (19.18)	50	40 (18.1)	BROWN
STT120	477 (18/1)	477 (19W)	477 (19W)	0.756 (19.20)	0.859 (21.82)	50	40 (18.1)	VIOLET
STT130	556.5 (18/1)	636 (37W)	556.5 (19W)	0.860 (21.84)	0.977 (24.82)	50	40 (18.1)	GOLD

LEFT-HAND LAY STANDARD
- *Applied Length: 29" - 48" (Depends on insulator make and conductor size).*
- *Strength: Exceeds Rule 261E.2 (A) of National Electrical Safety Code.*
- *RUS accepted.*

FORMED WIRE
COMPOSITE CABLE RISER TIE

COMPOSITE TIE
GJ85/86

Designed for use as vertical support for cable risers on jacketed conductors.

Made from non-conductive, 3/8" diameter PVC.

Tie can be easily installed at any point on a cable thanks to the side-opening feature inherent in the design. No need to thread the conductor.

The long bearing surface provides for a uniform holding strength.

Typical holding strength on 4/0 insulated conductor is 350 pounds (160 kg).

Ties are color-coded for each conductor range.

Ties are designed for use with a maximum hardware diameter of 1/2 inch (13mm).

GJ856

GJ8568

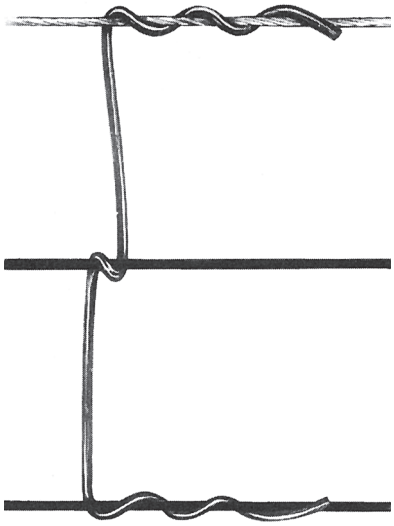
GJ85/86

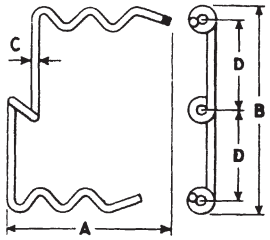
CATALOG NUMBER	CABLE RANGE INCHES (MM)		OVERALL LENGTH	WEIGHT LBS (KG)	COLOR CODE
	MIN	MAX			
GJ851	0.25 (6.35)	0.40 (10.16)	14 (355.60)	.21 (.10)	WHITE
GJ852	0.40 (10.16)	0.56 (14.22)	14 (355.60)	.22 (.10)	GREEN
GJ853	0.56 (14.22)	0.72 (18.29)	14 (355.60)	.23 (.10)	BLUE
GJ854	0.72 (18.29)	0.92 (23.37)	14 (355.60)	.28 (.13)	ORANGE
GJ855	0.92 (23.37)	1.13 (28.70)	14 (355.60)	.31 (.14)	RED
GJ856	1.13 (28.70)	1.50 (38.10)	15 (381.00)	.34 (.15)	BLACK
GJ857	1.50 (38.10)	1.80 (45.72)	16 (406.40)	.37 (.17)	PINK
GJ858	1.81 (45.97)	2.10 (53.34)	16 (406.40)	.38 (.17)	YELLOW
GJ859	2.00 (50.80)	2.60 (66.04)	16 (406.40)	.39 (.18)	GRAY
GJ860	2.50 (63.50)	3.10 (78.74)	17 (431.80)	.57 (.26)	BLACK
GJ861	3.00 (76.20)	3.60 (91.44)	17 (431.80)	.71 (.32)	WHITE

NOTES: *All dimensions: inches (mm) unless otherwise noted.*
Add suffix "8" for aluminum mounting bracket. Example: GJ8528

FORMED WIRE
COMPOSITE SPACER TIE

COMPOSITE TIE
GS900





Designed to maintain the between conductor spacing on long spans, compensate for lines where sag has been lost, and hold conductors apart protecting them from flashovers due to contacts caused by wind or ice where the conductor covering is worn or loose, The one piece factory formed design provides ease of installation and neat appearance with a firm positive grip on the conductor.

- Rigid black poly-vinyl chloride is completely non-conductive to provide a safely installed, track-resistant spacer.
- Dielectric strength of 100 volts/mil assures long life as a spcacer on all secondary construction.
- Tensile strength of 5800 psi to provide positive mechanical spacing under all but the most extreme conditions.
- No tools required for installation.
- The one piece, light weight design provides for easy handling by construction and repair crews.

Material: Rigid PVC

GS900

CATALOG NUMBER	DIAMETER RANGE INCHES (MM)		CONDUCTOR SPACING INCHES (MM)	APPROX. DIMENSIONS INCHES (MM)				WT PER 100 LBS (KG)	COLOR CODE
	MIN	MAX		A	B	C	D		
GS931	0.162 (3.21)	0.398 (10.13)	8" (203.60)	8-1/2 (216.33)	16-3/4 (426.29)	3/8 (9.54)	8 (203.60)	.23 (.10)	WHITE
GS932	0.257 (6.54)	0.523 (13.31)	8" (203.60)	8-1/2 (216.33)	16-7/8 (429.60)	3/8 (9.54)	8 (203.60)	.23 (.10)	BLACK
GS951	0.162 (3.21)	0.398 (10.13)	12" (305.40)	8-1/2 (216.33)	24-3/4 (629.89)	3/8 (9.54)	12 (305.40)	.30 (.14)	WHITE
GS952	0.257 (6.54)	0.523 (13.31)	12" (305.40)	8-1/2 (216.33)	24-7/8 (533.20)	3/8 (9.54)	12 (305.40)	.30 (.14)	BLACK

FORMED WIRE COMPOSITE TOP TIE

COMPOSITE TIE
GJ600

Designed for uniform, resistive conductive attachment of covered conductors to pin or spool type insulators.

- Factory formed from compositve rod with a resistive conductive outer layer over a rigid PVC core, the installed ties prevent generation of radio and television interference.
- Uniform holding power is provided at each attachment.
- Ties are designed for installation directly on covered conductors eliminating the need for skinning.
- Long bearing area on conductor provides a vibration dampening effect.

Material: Non-conductive rigid PVC core
Semi-conductive composite cover

GJ600

CATALOG NUMBER	DIMENSIONS INCHES (MM)			WT LB (KG)	COLOR CODE
	INSULATOR THROAT DIAMETER	CABLE RANGE O.D. INCHES			
		MIN	MAX		
GJ601FC	"C" Neck 2 1/8 - 2 3/4 (54.08 - 69.99)	0.250 (6.36)	0.406 (10.33)	.31 (.14)	WHITE
GJ602FC		0.407 (10.36)	0.561 (14.28)	.32 (.15)	GREEN
GJ603FC		0.562 (14.30)	0.717 (18.25)	.33 (.15)	BLUE
GJ604FC		0.718 (18.27)	0.919 (23.39)	.38 (.17)	ORANGE
GJ605FC		0.920 (23.41)	1.125 (28.63)	.40 (.18)	RED
GJ611FC	"F" Neck 2 3/4 - 3 3/8 (69.99 - 85.89)	0.250 (6.36)	0.406 (10.33)	.33 (.15)	WHITE
GJ612FC		0.407 (10.36)	0.561 (14.28)	.37 (.17)	GREEN
GJ613FC		0.562 (14.30)	.717 (18.25)	.37 (.17)	BLUE
GJ614FC		0.718 (18.27)	.919 (23.39)	.37 (.17)	ORANGE
GJ615FC		0.920 (23.41)	1.125 (28.63)	.46 (.21)	RED
GJ616FC		1.26 (28.66)	1.500 (38.18)	.48 (.22)	BLACK
GJ621FC	"J" Neck 3 3/8 - 4 (85.89 - 101.80)	0.250 (6.36)	0.406 (10.33)	.32 (.15)	WHITE
GJ623FC		0.562 (14.30)	0.717 (18.25)	.33 (.14)	BLUE
GJ624FC		0.718 (18.27)	0.919 (23.39)	.38 (.17)	ORANGE
GJ625FC		0.920 (23.41)	1.125 (28.63)	.40 (.18)	RED
GJ632FC	"K" Neck 4 - 4 5/8 (101.80 - 117.71)	0.407 (10.36)	0.561 (14.28)	.33 (.15)	GREEN
GJ633FC		0.562 (14.30)	.717 (18.25)	.38 (.17)	BLUE
GJ634FC		0.718 (18.27)	.919 (23.39)	.44 (.20)	ORANGE
GJ635FC		0.920 (23.41)	1.125 (28.63)	.48 (.22)	RED
GJ636FC		1.26 (28.66)	1.500 (38.18)	.56 (.25)	BLACK

Overall length - 26 inches

NOTE: *Yellow color coded end identifies composite ties.*

FORMED WIRE
COMPOSITE DOUBLE PIN TIE

COMPOSITE TIE
GJ800/810

- Designed for use at intersections or slight angles where space or double arm construction does not permit use of the straight tie.
- Secures the conductor in position to the insulator for through or continuous run applications.
- Recommended for use with non-radio-free insulators for all system voltages, particularly above 5kV.
- Semi-conductive surface provides uniform electric field around attachment point, eliminating voltage concentrations and preventing TV/Radio interference.
- Long tie design provides a vibration dampening effect.

Material: Non-conductive rigid PVC core
Semi-conductive composite cover

GS800/810

CATALOG NUMBER	INSULATOR THROAT DIAMETER INCHES (MM)	CABLE RANGE O.D. INCHES (MM)		OVERALL LENGTH INCHES (MM)	WT. LBS (KG)	COLOR CODE
		MIN	MAX			
GJ801FC	"C" Neck 2 1/8 - 2 3/4 (54.08 - 69.99)	0.250 (6.36)	0.406 (10.33)	13" (330.85)	.31 (.14)	WHITE
GJ802FC		0407 (10.36)	0.561 (14.28)		.33 (.15)	GREEN
GJ804FC		0.718 (18.27)	0.919 (23.39)		.37 (.17)	ORANGE
GJ811FC	"F" Neck 2 3/4 - 3 3/8 (69.99 - 85.89)	0.250 (6.36)	0.406 (10.33)	13 1/4" (337.21)	.34 (.15)	WHITE
GJ812FC		0.407 (10.368)	0.561 (14.28)		.35 (.16)	GREEN
GJ813FC		0.562 (14.30)	0.717 18.25)		.36 (.16)	BLUE
GJ814FC		0.718 (18.27)	0.919 (23.39)		.40 (.18)	ORANGE
GJ815FC		0.920 (23.41)	1.125 (28.63)		.43 (.20)	RED
GJ816FC		1.26 (28.66)	1.500 (38.18)		.50 (.23)	BLACK

NOTE: *Yellow color coded end identifies composite ties.*

FORMED WIRE COMPOSITE SIDE TIE

COMPOSITE TIE
GJ600/700

- For attachment of covered conductors to pin or spool type insulators.
- Semi-conductive tie surface provides uniform electic field around attachment point, elimination voltage concentrations, preventing TV/Radio interference.
- Long tie design provides vibration dampening effect.

Material: Non-conductive rigid PVC core
Semi-conductive composite covering

FIGURE 1

FIGURE 2

GJ600/700 FIGURE 1

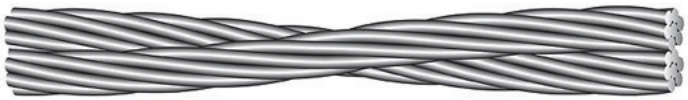
CATALOG NUMBER	DIMENSIONS INCHES (MM)			WT LB (KG)	COLOR CODE
	INSULATOR THROAT DIAMETER	CABLE RANGE O.D. INCHES			
		MIN	MAX		
GJ651FC	"C" Neck 2-1/8 - 2-3/4 (54.08 - 69.99)	0.250 (6.36)	0.406 (10.33)	.28 (.13)	WHITE
GJ652FC		0.407 (10.36)	0.561 (14.28)	.28 (.13)	GREEN
GJ653FC		0.562 (14.30)	0.717 (18.25)	.30 (.14)	BLUE
GJ654FC		0.718 (18.27)	0.919 (23.39)	.32 (.15)	ORANGE
GJ655FC		0.920 (23.41)	1.125 (28.63)	.34 (.16)	RED
GJ662FC	"F" Neck 2-3/4 - 3-3/8 (69.99 - 85.89)	0.407 (10.36)	0.561 (14.28)	.29 (.13)	GREEN
GJ663FC		0.562 (14.30)	.717 (18.25)	.32 (.15)	BLUE
GJ664FC		0.718 (18.27)	.919 (23.39)	.34 (.16)	ORANGE
GJ665FC		0.920 (23.41)	1.125 (28.63)	.39 (.18)	RED
GJ666FC		1.26 (28.66)	1.500 (38.18)	.39 (.18)	BLACK
GJ672FC	"J" Neck 3-3/8 - 4 (85.89 - 101.80)	0.407 (10.36)	0.561 (14.28)	.30 (.14)	GREEN
GJ682FC	"K" Neck 4 - 4-5/8 (101.80 - 117.71)	0.407 (10.36)	0.561 (14.28)	.34 (.16)	GREEN
GJ683FC		0.552 (14.30)	.717 (18.25)	.36 (.16)	BLUE
GJ684FC		0.718 (18.27)	.919 (23.39)	.39 (.16)	ORANGE
GJ685FC		0.920 (23.41)	1.125 (28.63)	.36 (.16)	RED
GJ686FC		1.26 (28.66)	1.500 (38.18)	.43 (.20)	BLACK

GJ600/700 FIGURE 2

CATALOG NUMBER	DIMENSIONS INCHES (MM)			WT LB (KG)	COLOR CODE
	INSULATOR THROAT DIAMETER	CABLE RANGE O.D. INCHES			
		MIN	MAX		
GJ751FC	"C" Neck 2-1/8 - 2-3/4 (54.08 - 69.99)	0.250 (6.36)	0.406 (10.33)	.28 (.13)	WHITE
GJ753FC		0.562 (14.30)	0.717 (18.25)	.28 (.13)	BLUE
GJ754FC		0.718 (18.27)	0.919 (23.39)	.30 (.14)	ORANGE
GJ762FC	"F" Neck 2-3/4 - 3-3/8 (69.99 - 85.89)	0.407 (10.36)	0.561 (14.28)	.32 (.15)	GREEN
GJ763FC		0.562 (14.30)	.717 (18.25)	.34 (.16)	BLUE
GJ764FC		0.718 (18.27)	.919 (23.39)	.29 (.13)	ORANGE
GJ765FC		0.920 (23.41)	1.125 (28.63)	.32 (.15)	RED
GJ766FC		1.26 (28.66)	1.500 (38.18)	.34 (.16)	BLACK
GJ784FC	"K" Neck 4 - 4-5/8 (101.80 - 117.71)	0.718 (18.27)	.919 (23.39)	.39 (.18)	ORANGE
GJ785FC		0.920 (23.41)	1.125 (28.63)	.39 (.18)	RED

Overall length - 25 inches

TIES FOR T2 CONDUCTOR FORMED WIRE VARIOUS INSULATOR TIES



Fargo formed wire ties are designed for use with ACSR, AAC, AAAC, Compacted ACSR, Compacted AAC & AWAC®.

T2 CONDUCTORS		DISTRIBUTION (TOP) TIES	DOUBLE SUP-PORT (TOP) TIES	SIDE TIES	DOUBLE SIDE TIES	SPOOL TIES	QUIK-WRAP™ SPOOL TIES
2 x #4	(6/1) ACSR (7/1) ACSR (7W) AAC/ AAAAC	LDIC4006AS LDIF4506AS	LDID0020 (C&F) LDID2020 (J)	LLAF4556AS	LLDU4156AS (C&F) LLDU516AS (J)	LRO4020AS	QWSP4376
2 x #3	(6/1) ACSR	LDIC4007AS LDIF4507AS	LDID0030 (C&F) LDID2030 (J)	LLAC4057AS LLAF4557AS	LLDU4157AS (C&F)	LRO4022AS	QWSP4376
2 x #2	(6/1) ACSR (7/1) ACSR (7W) AAC/ AAAAC	LDIC4008AS LDIF4508AS	LDID0040 (C&F) LDID2040 (J)	LLAC4058AS LLAF4558AS	LLDU4158AS (C&F)	LRO4024AS	-----
2 x #1	(7W) AAAAC	LDIC4009AS LDIF4509AS LDIJ4609AS	LDID0266 (C&F) LDID2266 (J)	LLAF4559AS	LLDU4159AS (C&F)	LRO4025AS	QWSP4378
2 x 1/0	(6/1) ACSR (7W) AAC/ AAAAC	LDIC4010AS LDIF4510AS LDIJ4610AS	LDID0336 (C&F) LDID2336 (J)	LLAC4060AS LLAF4560AS	LLDU4160AS (C&F)	LRO4027AS	-----
2 x 2/0	(6/1) ACSR (7W) AAC/ AAAAC	LDIC4011AS LDIF4511AS LDIJ4611AS	LDID0477 (C&F) LDID2477 (J)	LLAC4061AS LLAF4561AS	LLDU4161AS (C&F)	LRO4030AS	-----
2 x 3/0	(6/1) ACSR (7W) AAC/ AAAAC	LDIC4012AS LDIF4512AS LDIJ4612AS	LDID0556 (C&F) LDID2556 (J)	LLAC4062AS LLAF4562AS	LLDU4162AS (C&F)	LRO4031AS	QWSP4381
2 x 4/0	(6/1) ACSR	LDIC4012AS LDIF4512AS LDIJ4612AS	LDID0556 (C&F) LDID2556 (J)	LLAF4563AS	LLDU4162AS (C&F)	LRO4031AS	-----
2 x 266.8	(18/1) ACSR (26/7) ACSR	LDIC4013AS LDIF4513AS	LDID0795 (C&F) LDID2795 (J)	LLAF4563AS	LLDU4163AS (C&F) LLDU5163AS (J)	**	**
2 x 336.4	(18/1) ACSR	LDIC4013AS LDIF4513AS	LDID0795 (C&F) LDID2795 (J)	-----	LLDU4163AS (C&F) LLDU5163AS (J)	**	**
2 x 336.4	(26/7) ACSR	LDIC4014AS LDIF4514AS	LDID0795 (C&F) LDID2795 (J)	-----	LLDU4164AS (C&F)	**	**
2 x 397.5	(19W) AAC	LDIC4014AS LDIF4514AS	LDID0795 (C&F) LDID2795 (J)	-----	LLDU4164AS (C&F)	**	**

*** Insulator groove too small for these sizes of T2*

GALVANIZED STEEL GUY WIRE DEADENDS
FWDE CROSS REFERENCE
JANUARY, 2014

Size	HPS	PLP	Dulmison	Alcoa	Helical	Helix	Color Code
3/16”	FWDE1102	GDE-1102	SGG-0470	GYDEGB047	HG205 3/16	40101	Red
7/32”	FWDE1103	GDE-1103	SGG-0550	GYDEGB055	HG206 7/32	40151	Green
1/4”	FWDE1104	GDE-1104	SGG-0610	GYDEGB061	HG207 1/4	40201	Yellow
9/32”	FWDE1105	GDE-1105	-----	-----	HG208 9/32	-----	Blue
5/16”	FWDE1106	GDE-1106	SGG-0790	GYDEGB079	HG209 5/16	40301	Black
3/8”	FWDE1107	GDE-1107	SGG-0915	GYDEGB091	HG210 3/8	40351	Orange
7/16”	FWDE1108	GDE-1108	SGG-1105	GYDEGB110	HG211 7/16	40401	Green
1/2”	FWDE2115	BG-2115	SGG-1255	GYDEGB125	-----	40451	Blue
9/16”	FWDE2116	BG-2116	SGG-1435	GYDEGB143	-----	-----	Yellow

BEZINAL® GUY WIRE DEADENDS
BDE CROSS REFERENCE
JANUARY, 2014

Size	HPS	PLP	Dulmison	Alcoa	Helical	Helix	Color Code
3/16”	BDE9102	BDE-9102	---	---	---	---	Red
7/32”	BDE9103	BDE-9103	---	---	---	---	Green
1/4”	BDE9104	BDE-9104	---	---	---	---	Yellow
9/32”	BDE9105	BDE-9105					Blue
5/16”	BDE9106	BDE-9106	---	---	---	---	Black
3/8”	BDE9107	BDE-9107	---	---	---	---	Orange
7/16”	BDE9108	BDE-9108	---	---	---	---	Green
1/2”	BDE9115	BDE-9115	---	---	---	---	Blue
9/16”	BDE9116	BDE-9116	---	---	---	---	Yellow

ALUMINUM CLAD STEEL GUY WIRE DEADENDS
AWDE CROSS REFERENCE
SEPTEMBER, 2011

Size	HPS	PLP	Dulmison	Alcoa	Helical	Color Code
4M	AWDE4108	AWDE4108	---	GYDEAW055	HG515 4M	Green
6M	AWDE4110	AWDE4110	AWGG 0600	GYDEAW060	HG517 6M	Yellow
8M	AWDE4113	AWDE4113	AWGG 0685	GYDEAW068	HG519 8M	Blue
10M	AWDE4116	AWDE4116	AWGG 0770	GYDEAW077	HG521 10M	Black
12.5M	AWDE4119	AWDE4119	AWGG 0870	GYDEAW087	HG523 12.5M	Yellow
14M	AWDE4120	AWDE4120	AWGG 0905	GYDEAW090	HG524 14M	Blue
16M	AWDE4122	AWDE4122	AWGG 0965	GYDEAW096	HG525 16M	Orange
18M	AWDE4124	AWDE4124	AWGG 1040	GYDEAW104	HG526 18M	Black
7#7	AWDE4125	AWDE4125	AWGG 1085	GYDEAW112	HG528 20M	Green
20M	AWDE4126	AWDE4126	AWGG 1125	GYDEAW112	HG528 20M	Yellow
7#6	AWDE4128	AWDE4128	AWGG 1205	GYDEAW120	HG530 7#6	Blue
25M	AWDE4130	AWDE4130	AWGG 1310	GYDEAW131	HG531 25M	Red
7#5	AWDE4131	AWDE4131	AWGG 1365	GYDEAW136	HG532 7#5	Yellow

GALVANIZED STEEL GUY WIRE SPLICES
FWLS CROSS REFERENCE
JANUARY, 2014

Size	HPS	PLP	Dulmison	Alcoa	Helical	Helix	Color Code
3/16”	FWLS2102	GLS-2102	SGS-0470	---	HS305 3/16	50100	Red
7/32”	FWLS2103	GLS-2103	SGS-0550	---	HS306 7/32	50150	Green
1/4”	FWLS2104	GLS-2104	SGS-0610	---	HS307 1/4	50200	Yellow
9/32”	FWLS2105	GLS-2105	SGS-0710	---	HS308 9/32	50250	Blue
5/16”	FWLS2106	GLS-2106	SGS-0790	---	HS309 5/16	50300	Black
3/8”	FWLS2107	GLS-2107	SGS-0915	---	HS310 3/8	50350	Orange
7/16”	FWLS2108	GLS-2108	SGS-1105	---	HS311 7/16	50400	Green
1/2”	FWLS2109	GLS-2109	SGS-1255	---	HS312 1/2	50450	Blue
9/16”	FWLS2110	GLS-2110	SGS-1435	---	HS313 9/16	50500	Yellow

SERVICE GRIP DEADENDS
SGFW CROSS REFERENCE
SEPTEMBER, 2011

SIZE	HPS	PLP	DULMISON	HELICAL	HELIX	COLOR CODE
#6, 6/1	SGFW4500	SG-4500	SG0430	HSG-510	62100	BLUE
#5, 6/1	SGFW4501	SG-4501	SG0505	HSG-512	62200	WHITE
#4, 6/1 & 7/1	SGFW4502	SG-4502	SG0570	HSG-514	62300	ORANGE
#3, 6/1	SGFW4503	SG-4503	SG0655	HSG-516	62400	BLACK
#2, 6/1 & 7/1	SGFW4504	SG-4504	SG0735	HSG-518	62500	RED
#1, 6/1	SGFW4505	SG-4505	SG0830	HSG-520	62600	GREEN
1/0, 6/1	SGFW4506	SG-4506	SG0915	HSG-522	62700	YELLOW
2/0, 6/1	SGFW4507	SG-4507	SG1020	HSG-524	62800	BLUE
3/0, 6/1	SGFW4508	SG-4508	SG1145	HSG-526	62900	ORANGE
4/0, 6/1 & 18/1	SGFW4509	SG-4509	SG1300	HSG-528	62910	RED

DISTRIBUTION GRIP DEADEND FORMED WIRE PRODUCTS
DGFW4500 SERIES CROSS REFERENCE
SEPTEMBER, 2011

NOM. SIZE	DIA. RANGE (inches)	HPS	PLP	Dulmison	Helical	Helix	Color Code
#6	.182 - .203	DGFW4554	DG-4554	AWDG0505	HD-510	32010	Blue
#4	.229 - .257	DGFW4541	DG-4541	AWDG0635	HD-514	32012	Orange
#2	.290 - .325	DGFW4542	DG-4542	AWDG0805	HD-518	32015	Red
#1	.326 - .364	DGFW4543	DG-4543	AWDG0900	HD-520	32016	Green
1/0	.365 - .409	DGFW4544	DG-4544	AWDG0990	HD-522	32020	Yellow
2/0	.410 - .460	DGFW4545	DG-4545	AWDG1135	HD-524	32022	Blue
3/0	.461 - .516	DGFW4546	DG-4546	AWDG1275	HD-526	32030	Orange
4/0	.517 - .577	DGFW4547	DG-4547	AWDG1430	HD-528	32033	Red
266.8	.578 - .653	DGFW4547	DG-4548	AWDG1470	HD-530	32040	Black
336.4	.654 - .739	DGFW4549	DG-4549	AWDG1660	HD-533	32060	Green
477	.740 - .837	-----	DG-4550	AWDG1880	HD-534	32065	Orange
556.5	.838 - .947	-----	DG-4551	AWDG2130	HD-535	32070	Blue
795	.948 - 1.071	-----	DG-4552	AWDG2410	-----	32080	Brown
954	1.072 - 1.212	-----	DG-4553	AWDG2730	-----	32090	Orange

DISTRIBUTION TIES - C NECK INSULATORS
LDIC SERIES CROSS REFERENCE
JANUARY, 2014

GROUP	POPULAR CONDUCTOR SIZE			HPS	PLP	DULMISON	HELICAL
	ACSR	AAC	AAAC				
Distribution Tie - C Neck	#6 (6/1)	#4 (7W) Comp		LDIC4000AS	UTC-1100	DTC 0485P	HDTC 010
Distribution Tie - C Neck No Tie Tube (Pad)	#6 (6/1)	#4 (7W) Comp		LDIC4000ASNT	UTC-1115T	DTC 0485T	- - - - -
Distribution Tie - C Neck	#4 (6/1) Comp #4 (7/1) Comp	#4 (7W)		LDIC4001AS	UTC-1101	DTC 0550P	HDTC 012
Distribution Tie - C Neck No Tie Tube (Pad)	#4 (6/1) Comp #4 (7/1) Comp	#4 (7W)		LDIC4001ASNT	UTC-1116T	DTC 0550T	- - - - -
Distribution Tie - C Neck	#4 (6/1) #4 (7/1)	#3 (7W)	#4 (7W)	LDIC4002AS	UTC-1102	DTC 0620P	HDTC 014
Distribution Tie - C Neck No Tie Tube (Pad)	#4 (6/1) #4 (7/1)	#3 (7W)	#4 (7W)	LDIC4002ASNT	UTC-1117T	DTC 0620T	- - - - -
Distribution Tie - C Neck		#2 (7W)	#3 (7W)	LDIC4003AS	UTC-1103	DTC 0705P	HDTC 016
Distribution Tie - C Neck No Tie Tube (Pad)		#2 (7W)	#3 (7W)	LDIC4003ASNT	UTC-1118T	DTC 0705T	- - - - -
Distribution Tie - C Neck	#2 (6/1) #2 (7/1) #1 (6/1)	#1 (7W) #1 (19W)	#2 (7W)	LDIC4004AS	UTC-1104	DTC 0805P	HDTC 018
Distribution Tie - C Neck No Tie Tube (Pad)	#2 (6/1) #2 (7/1) #1 (6/1)	#1 (7W) #1 (19W)	#2 (7W)	LDIC4004ASNT	UTC-1119T	DTC 0805T	- - - - -
Distribution Tie - C Neck	1/0 (6/1)	1/0 (7W) 1/0 (19W)	1/0 (7W)	LDIC4005AS	UTC-1105	DTC 0910P	HDTC 022
Distribution Tie - C Neck No Tie Tube (Pad)	1/0 (6/1)	1/0 (7W) 1/0 (19W)	1/0 (7W)	LDIC4005ASNT	UTC-1120T	DTC 0910T	- - - - -

DISTRIBUTION TIES - C NECK INSULATORS
LDIC SERIES CROSS REFERENCE
JANUARY, 2014

GROUP	POPULAR CONDUCTOR SIZE			HPS	PLP	DULMISON	HELICAL
	ACSR	AAC	AAAC				
Distribution Tie - C Neck	2/0 (6/1)	2/0 (7W) 2/0 (19W)	2/0 (7W)	LDIC4006AS	UTC-1106	DTC 1030P	HDTC 024
Distribution Tie - C Neck No Tie Tube (Pad)	2/0 (6/1)	2/0 (7W) 2/0 (19W)	2/0 (7W)	LDIC4006ASNT	UTC-1121T	DTC 1030T	- - - - -
Distribution Tie - C Neck	3/0 (6/1)	3/0 (7W) 3/0 (19W)	3/0 (7W)	LDIC4007AS	UTC-1107	DTC 1170P	HDTC 026
Distribution Tie - C Neck No Tie Tube (Pad)	3/0 (6/1)	3/0 (7W) 3/0 (19W)	3/0 (7W)	LDIC4007ASNT	UTC-1122T	DTC 1170T	- - - - -
Distribution Tie - C Neck	4/0 (6/1)	4/0 (7W) 4/0 (19W)	4/0 (7W)	LDIC4008AS	UTC-1108	DTC 1325P	HDTC 028
Distribution Tie - C Neck No Tie Tube (Pad)	4/0 (6/1)	4/0 (7W) 4/0 (19W)	4/0 (7W)	LDIC4008ASNT	UTC-1123T	DTC 1325T	- - - - -
Distribution Tie - C Neck	266.8 (18/1) 266.8 (26/7)	266.8 (37W) 336.4 (19W)		LDIC4009AS	UTC-1109	DTC 1495P	HDTC 031
Distribution Tie - C Neck No Tie Tube (Pad)	266.8 (18/1) 266.8 (26/7)	266.8 (19W) 266.8 (37W) 336.4 (19W)		LDIC4009ASNT	UTC-1124T	DTC 1495T	- - - - -
Distribution Tie - C Neck	336.4 (18/1) 397.5 (18/1)	350 (19W) 397.5 (19W)		LDIC4010AS	UTC-1110	DTC 1695P	HDTC 033
Distribution Tie - C Neck No Tie Tube (Pad)	336.4 (18/1) 397.5 (18/1)	350 (19W) 397.5 (19W)		LDIC4010ASNT	UTC-1125T	DTC 1695T	- - - - -
Distribution Tie - C Neck	477 (18/1) 477 (24/7) 477 (26/7)	450 (19W) 477 (19W) 477 (37W) 556.5 (19W)		LDIC4011AS	UTC-1111	DTC 1920P	HDTC 036
Distribution Tie - C Neck No Tie Tube (Pad)	477 (18/1) 477 (24/7) 477 (26/7)	450 (19W) 477 (19W) 477 (37W) 556.5 (19W)		LDIC4011ASNT	UTC-1126T	DTC 1920T	- - - - -

DISTRIBUTION TIES - C NECK INSULATORS
LDIC SERIES CROSS REFERENCE
JANUARY, 2014

GROUP	POPULAR CONDUCTOR SIZE			HPS	PLP	DULMISON	HELICAL
	ACSR	AAC	AAAC				
Distribution Tie - C Neck	556.5 (18/1) 556.5 (24/7) 636 (18/1)	700 (37W) 700 (61W)		LDIC4012AS	UTC-1112	DTC 2175P	HDTC 038
Distribution Tie - C Neck No Tie Tube (Pad)	556.5 (18/1) 556.5 (24/7) 636 (18/1)	700 (37W) 700 (61W)		LDIC4012ASNT	UTC-1127T	DTC 2175T	- - - - -
Distribution Tie - C Neck	636 (24/7) 795 (54/7)	795 (37W) 795 (61W)		LDIC4013AS	UTC-1113	DTC 2460P	HDTC 042
Distribution Tie - C Neck No Tie Tube (Pad)	636 (24/7) 795 (54/7)	795 (37W) 795 (61W)		LDIC4013ASNT	UTC-1128T	DTC 2460T	- - - - -
Distribution Tie - C Neck	795 (26/7) 954 (36/1) 954 (54/7)	1033.5 (37W) 1033.5 (61W)		LDIC4014AS	UTC-1114	DTC 2785P	- - - - -
Distribution Tie - C Neck No Tie Tube (Pad)	795 (26/7) 954 (36/1) 954 (54/7)	1033.5 (37W) 1033.5 (61W)		LDIC4014ASNT	UTC-1129T	DTC 2785T	- - - - -

DISTRIBUTION TIES - F NECK INSULATORS
LDIF SERIES CROSS REFERENCE
JANUARY, 2014

GROUP	POPULAR CONDUCTOR SIZE			HPS	PLP	DULMISON	HELICAL
	ACSR	AAC	AAAC				
Distribution Tie - F Neck	#6 (6/1)	#4 (7W) Comp		LDIF4500AS	UTF-1200	DTF 0485P	HDTF 010
Distribution Tie - F Neck No Tie Tube (Pad)	#6 (6/1)	#4 (7W) Comp		LDIF4500ASNT	UTF-1215T	DTF 0485T	- - - - -
Distribution Tie - F Neck	#4 (6/1) Comp #4 (7/1) Comp	#4 (7W)		LDIF4501AS	UTF-1201	DTF 0550P	HDTF 012
Distribution Tie - F Neck No Tie Tube (Pad)	#4 (6/1) Comp #4 (7/1) Comp	#4 (7W)		LDIF4501ASNT	UTF-1216T	DTF 0550T	- - - - -
Distribution Tie - F Neck	#4 (6/1) #4 (7/1)	#3 (7W)	#4 (7W)	LDIF4502AS	UTF-1202	DTF 0620P	HDTF 014
Distribution Tie - F Neck No Tie Tube (Pad)	#4 (6/1) #4 (7/1)	#3 (7W)	#4 (7W)	LDIF4502ASNT	UTF-1217T	DTF 0620T	- - - - -
Distribution Tie - F Neck		#2 (7W)	#3 (7W)	LDIF4503AS	UTF-1203	DTF 0705P	HDTF 016
Distribution Tie - F Neck No Tie Tube (Pad)		#2 (7W)	#3 (7W)	LDIF4503ASNT	UTF-1218T	DTF 0705T	- - - - -
Distribution Tie - F Neck	#2 (6/1) #2 (7/1) #1 (6/1)	#1 (7W) #1 (19W)	#2 (7W)	LDIF4504AS	UTF-1204	DTF 0805P	HDTF 018
Distribution Tie - F Neck No Tie Tube (Pad)	#2 (6/1) #2 (7/1) #1 (6/1)	#1 (7W) #1 (19W)	#2 (7W)	LDIF4504ASNT	UTF-1219T	DTF 0805T	- - - - -
Distribution Tie - F Neck	1/0 (6/1)	1/0 (7W) 1/0 (19W)	1/0 (7W)	LDIF4505AS	UTF-1205	DTF 0910P	HDTF 022
Distribution Tie - F Neck No Tie Tube (Pad)	1/0 (6/1)	1/0 (7W) 1/0 (19W)	1/0 (7W)	LDIF4505ASNT	UTF-1220T	DTF 0910T	- - - - -

DISTRIBUTION TIES - F NECK INSULATORS
LDIF SERIES CROSS REFERENCE
JANUARY, 2014

GROUP	POPULAR CONDUCTOR SIZE			HPS	PLP	DULMISON	HELICAL
	ACSR	AAC	AAAC				
Distribution Tie - F Neck	2/0 (6/1)	2/0 (7W) 2/0 (19W)	2/0 (7W)	LDIF4506AS	UTF-1206	DTF 1030P	HDTF 024
Distribution Tie - F Neck No Tie Tube (Pad)	2/0 (6/1)	2/0 (7W) 2/0 (19W)	2/0 (7W)	LDIF4506ASNT	UTF-1221T	DTF 1030T	- - - - -
Distribution Tie - F Neck	3/0 (6/1)	3/0 (7W) 3/0 (19W)	3/0 (7W)	LDIF4507AS	UTF-1207	DTF 1170P	HDTF 026
Distribution Tie - F Neck No Tie Tube (Pad)	3/0 (6/1)	3/0 (7W) 3/0 (19W)	3/0 (7W)	LDIF4507ASNT	UTF-1222T	DTF 1170T	- - - - -
Distribution Tie - F Neck	4/0 (6/1)	4/0 (7W) 4/0 (19W)	4/0 (7W)	LDIF4508AS	UTF-1208	DTF 1325P	HDTF 028
Distribution Tie - F Neck No Tie Tube (Pad)	4/0 (6/1)	4/0 (7W) 4/0 (19W)	4/0 (7W)	LDIF4508ASNT	UTF-1223T	DTF 1325T	- - - - -
Distribution Tie - F Neck	266.8 (18/1) 266.8 (26/7)	266.8 (19W) 266.8 (37W) 336.4 (19W)		LDIF4509AS	UTF-1209	DTF 1495P	HDTF 031
Distribution Tie - F Neck No Tie Tube (Pad)	266.8 (18/1) 266.8 (26/7)	266.8 (19W) 266.8 (37W) 336.4 (19W)		LDIF4509ASNT	UTF-1224T	DTF 1495T	- - - - -
Distribution Tie - F Neck	336.4 (18/1) 397.5 (18/1)	350 (19W) 397.5 (19W)		LDIF4510AS	UTF-1210	DTF 1695P	HDTF 033
Distribution Tie - F Neck No Tie Tube (Pad)	336.4 (18/1) 397.5 (18/1)	350 (19W) 397.5 (19W)		LDIF4510ASNT	UTF-1225T	DTF 1695T	- - - - -
Distribution Tie - F Neck	477 (18/1) 477 (24/7) 477 (26/7)	450 (19W) 477 (19W) 477 (37W) 556.5 (19W)		LDIF4511AS	UTF-1211	DTF 1920P	HDTF 036
Distribution Tie - F Neck No Tie Tube (Pad)	477 (18/1) 477 (24/7) 477 (26/7)	450 (19W) 477 (19W) 477 (37W) 556.5 (19W)		LDIF4511ASNT	UTF-1226T	DTF 1920T	- - - - -

DISTRIBUTION TIES - F NECK INSULATORS
LDIF SERIES CROSS REFERENCE
JANUARY, 2014

GROUP	POPULAR CONDUCTOR SIZE			HPS	PLP	DULMISON	HELICAL
	ACSR	AAC	AAAC				
Distribution Tie - F Neck	556.5 (18/1) 556.5 (24/7) 636 (18/1)	700 (37W) 700 (61W)		LDIF4512AS	UTF-1212	DTF 2175P	HDTF 038
Distribution Tie - F Neck No Tie Tube (Pad)	556.5 (18/1) 556.5 (24/7) 636 (18/1)	700 (37W) 700 (61W)		LDIF4512ASNT	UTF-1227T	DTF 2175T	- - - - -
Distribution Tie - F Neck	636 (24/7) 795 (54/7)	795 (37W) 795 (61W		LDIF4513AS	UTF-1213	DTF 2460P	HDTF 042
Distribution Tie - F Neck No Tie Tube (Pad)	636 (24/7) 795 (54/7)	795 (37W) 795 (61W		LDIF4513ASNT	UTF-1228T	DTF 2460T	- - - - -
Distribution Tie - F Neck	795 (26/7) 954 (36/1) 954 (54/7)	1033.5 (37W) 1033.5 (61W)		LDIF4514AS	UTF-1214	DTF 2785P	- - - - -
Distribution Tie - F Neck No Tie Tube (Pad)	795 (26/7) 954 (36/1) 954 (54/7)	1033.5 (37W) 1033.5 (61W)		LDIF4514ASNT	UTF-1229T	DTF 2785T	- - - - -
Distribution Tie - F Neck	1033.5 (54/7) 1272 (45/7)			- - - - -	UTF-1215	- - - - -	- - - - -
Distribution Tie - F Neck	351.5 (54/19) 1590 (45/7)			- - - - -	UTF-1216	- - - - -	- - - - -

DISTRIBUTION TIES - J NECK INSULATORS
LDIJ SERIES CROSS REFERENCE
JANUARY, 2014

GROUP	POPULAR CONDUCTOR SIZE			HPS	PLP	DULMISON	HELICAL
	ACSR	AAC	AAAC				
Distribution Tie - J Neck	#6 (6/1)	#4 (7W) Comp		- - - - -	UTJ-1300	DTJ 0485P	HDTJ 010
Distribution Tie - J Neck	#4 (6/1) Comp #4 (71) Comp	#4 (7W)		- - - - -	UTJ-1301	DTJ 0550P	HDTJ 012
Distribution Tie - J Neck	#4 (6/1) #4 (7/1)	#3 (7W)	#4 (7W)	LDIJ4602AS	UTJ-1302	DTJ 0620P	HDTJ 014
Distribution Tie - J Neck	#4 (6/1) #4 (7/1)	#3 (7W)	#4 (7W)	LDIJ4602ASNT	UTJ-1302-T	DTJ 0620T	- - - - -
Distribution Tie - J Neck		#2 (7W)	#3 (7W)	- - - - -	UTJ-1303	DTJ 0705P	HDTJ 016
Distribution Tie - J Neck	#2 (6/1) #2 (7/1) #1 (6/1)	#1 (7W) #1 (19W)	#2 (7W)	LDIJ4604AS	UTJ-1304	DTJ 0805P	HDTJ 018
Distribution Tie - J Neck No Tie Tube (Pad)	#2 (6/1) #2 (7/1) #1 (6/1)	#1 (7W) #1 (19W)	#2 (7W)	LDIJ4604ASNT	UTJ-1319T	DTJ 0805T	- - - - -
Distribution Tie - J Neck	1/0 (6/1)	1/0 (7W) 1/0 (19W)	1/0 (7W)	LDIJ4605AS	UTJ-1305	DTJ 0910P	HDTJ 022
Distribution Tie - J Neck No Tie Tube (Pad)	1/0 (6/1)	1/0 (7W) 1/0 (19W)	1/0 (7W)	LDIJ4605ASNT	UTJ-1320T	DTJ 0910T	- - - - -
Distribution Tie - J Neck	2/0 (6/1)	2/0 (7W) 2/0 (19W)	2/0 (7W)	- - - - -	UTJ-1306	DTJ 1030P	HDTJ 024
Distribution Tie - J Neck	3/0 (6/1)	3/0 (7W) 3/0 (19W)	3/0 (7W)	- - - - -	UTJ-1307	DTJ 1170P	HDTJ 026
Distribution Tie - J Neck	4/0 (6/1)	4/0 (7W) 4/0 (19W)	4/0 (7W)	- - - - -	UTJ-1308	DTJ 1325P	HDTJ 028

DISTRIBUTION TIES - J NECK INSULATORS
LDIJ SERIES CROSS REFERENCE
JANUARY, 2014

GROUP	POPULAR CONDUCTOR SIZE			HPS	PLP	DULMISON	HELICAL
	ACSR	AAC	AAAC				
Distribution Tie - J Neck	266.8 (18/1) 266.8 (26/7)	266.8 (19W) 266.8 (37W) 336.4 (19W)		LDIJ4609AS	UTJ-1309	DTJ 1495P	HDTJ 031
Distribution Tie - J Neck	266.8 (18/1) 266.8 (26/7)	266.8 (19W) 266.8 (37W) 336.4 (19W)		LDIJ4609ASNT	UTJ-1309-T	DTJ 1495T	- - - - -
Distribution Tie - J Neck	336.4 (18/1) 397.5 (18/1)	350 (19W) 397.5 (19W)		LDIJ4610AS	UTJ-1310	DTJ 1695P	HDTJ 033
Distribution Tie - J Neck	336.4 (18/1) 397.5 (18/1)	350 (19W) 397.5 (19W)		LDIJ4610ASNT	UTJ-1310-T	DTJ 1695T	- - - - -
Distribution Tie - J Neck	477 (18/1) 477 (24/7) 477 (26/7)	450 (19W) 477 (19W) 477 (37W) 556.5 (19W)		LDIJ4611AS	UTJ-1311	DTJ 1920P	HDTJ 036
Distribution Tie - J Neck	477 (18/1) 477 (24/7) 477 (26/7)	450 (19W) 477 (19W) 477 (37W) 556.5 (19W)		LDIJ4611ASNT	UTJ-1311-T	DTJ 1920T	- - - - -
Distribution Tie - J Neck	556.5 (18/1) 556.5 (24/7) 636 (18/1)	700 (37W) 700 (61W)		LDIJ4612AS	UTJ-1312	DTJ 2175P	HDTJ 038
Distribution Tie - J Neck	556.5 (18/1) 556.5 (24/7) 636 (18/1)	700 (37W) 700 (61W)		LDIJ4612ASNT	UTJ-1312-T	DTJ 2175T	- - - - -
Distribution Tie - J Neck	636 (24/7) 795 (54/7)	795 (37W) 795 (61W)		- - - - -	UTJ-1313	DTJ 2460P	HDTJ 042
Distribution Tie - J Neck	795 (26/7) 954 (36/1) 954 (54/7)	1033.5 (37W) 1033.5 (61W)		- - - - -	UTJ-1314	DTJ 2785P	- - - - -

QUIK-WRAP™ TWIN TIES - F NECK INSULATORS (2-7/8”) AND J NECK INSULATORS (3-1/2”) TTFJ AND TTJ SERIES CROSS REFERENCE JANUARY, 2014

GROUP	POPULAR CONDUCTOR SIZE			HPS	PLP	DULMISON	HELICAL
	ACSR	AAC	AAAC				
Quik-Wrap™ Twin Tie: F & J Neck	#4 (6/1) #4 (7/1)	#3 (7W)	#4 (7W)	- - - - -	TTFJ-202	- - - - -	- - - - -
Quik-Wrap™ Twin Tie: F & J Neck		#2 (7W)	#3 (7W)	- - - - -	TTFJ-203	- - - - -	- - - - -
Quik-Wrap™ Twin Tie: F & J Neck	#2 (6/1) #2 (7/1) #1 (6/1)	#1 (7W) #1 (19W)	#2 (7W)	- - - - -	TTFJ-204	- - - - -	- - - - -
Quik-Wrap™ Twin Tie: F & J Neck	1/0 (6/1)	1/0 (7W) 1/0 (19W)	1/0 (7W)	TTFJ-205	TTFJ-205	- - - - -	- - - - -
Quik-Wrap™ Twin Tie: F & J Neck	2/0 (6/1)	2/0 (7W) 2/0 (19W)	2/0 (7W)	TTFJ-206	TTFJ-206	- - - - -	- - - - -
Quik-Wrap™ Twin Tie: F & J Neck	3/0 (6/1)	3/0 (7W) 3/0 (19W)	3/0 (7W)	TTFJ-207	TTFJ-207	- - - - -	- - - - -
Quik-Wrap™ Twin Tie: F & J Neck	4/0 (6/1)	4/0 (7W) 4/0 (19W)	4/0 (7W)	TTFJ-208	TTFJ-208	- - - - -	- - - - -
Quik-Wrap™ Twin Tie: F & J Neck	266.8 (18/1) 266.8 (26/7)	266.8 (19W) 266.8 (37W) 336.4 (19W)		- - - - -	TTFJ-209	- - - - -	- - - - -
Quik-Wrap™ Twin Tie: F & J Neck	336.4 (18/1) 397.5 (18/1)	350 (19W) 397.5 (19W)		TTFJ-210	TTFJ-210	- - - - -	- - - - -

QUIK-WRAP™ TWIN TIES - F NECK INSULATORS (2-7/8”) AND J NECK INSULATORS (3-1/2”) TTFJ AND TTJ SERIES CROSS REFERENCE JANUARY, 2014

GROUP	POPULAR CONDUCTOR SIZE			HPS	PLP	DULMISON	HELICAL
	ACSR	AAC	AAAC				
Quik-Wrap™ Twin Tie: F & J Neck	477 (18/1) 477 (24/7) 477 (26/7)	450 (19W) 477 (19W) 477 (37W) 556.5 (19W)		- - - - -	TTFJ-211	- - - - -	- - - - -
Quik-Wrap™ Twin Tie: F & J Neck	556.5 (18/1) 556.5 (24/7) 636 (18/1)	700 (37W) 700 (61W)		- - - - -	TTFJ-212	- - - - -	- - - - -
Quik-Wrap™ Twin Tie: F & J Neck	636 (24/7) 795 (54/7)	795 (37W) 795 (61W)		- - - - -	TTFJ-213	- - - - -	- - - - -
Quik-Wrap™ Twin Tie: F & J Neck	795 (26/7) 954 (36/1) 954 (54/7)	1035.5 (37W) 1035.5 (61W)		- - - - -	TTFJ-214	- - - - -	- - - - -

DOUBLE SUPPORT TIES, C NECK (2-1/4) & F NECK (2-7/8)
LDID0XXX SERIES CROSS REFERENCE
JANUARY, 2014

GROUP	POPULAR CONDUCTOR SIZE			HPS	PLP	DULMISON	HELICAL
	ACSR	AAC	AAAC				
Double Support Tie	#4 (6/1) #4 (7/1)	#3 (7W)	#4 (7W)	LDID0004	DST-0150	DSTCF 0620	- - - - -
Double Support Tie		#3 (7W)	#2 (7W)	- - - - -	DST-0151	DSTCF 0705	- - - - -
Double Support Tie	#2 (6/1) #2 (7/1) #1 (6/1)	#1 (7W) #1 (19W)	#2 (7W)	LDID0001	DST-0152	DSTCF 0800	- - - - -
Double Support Tie	1/0 (6/1)	1/0 (7W) 1/0 (19W)	1/0 (7W)	LDID0010	DST-0153	DSTCF 0910	- - - - -
Double Support Tie	2/0 (6/1)	2/0 (7W) 2/0 (19W)	2/0 (7W)	LDID0020	DST-0154	DSTCF 1030	- - - - -
Double Support Tie	3/0 (6/1)	3/0 (7W) 3/0 (19W)	3/0 (7W)	LDID0030	DST-0155	DSTCF 1170	- - - - -
Double Support Tie	4/0 (6/1)	4/0 (7W) 4/0 (19W)	4/0 (7W)	LDID0040	DST-0156	DSTCF 1325	- - - - -
Double Support Tie	266.8 (18/1) 266.8 (26/7)	266.8 (19W) 266.8 (37W) 336.4 (19W)		LDID0266	DST-0157	DSTCF 1495	- - - - -
Double Support Tie	336.4 (18/1) 397.5 (18/1)	350 (19W) 397.5 (19W)		LDID0336	DST-0158	DSTCF 1695	- - - - -
Double Support Tie	477 (18/1) 477 (24/7) 477 (26/7)	450 (19W) 477 (19W) 477 (37W) 556.5 (19W)		LDID0477	DST-0159	DSTCF 1920	- - - - -
Double Support Tie	556.5 (18/1) 556.5 (24/7) 636 (18/1)	700 (37W) 700 (61W)		LDID0556	DST-0160	DSTCF 2175	- - - - -
Double Support Tie	636 (24/7) 795 (54/7)	795 (37W) 795 (61W)		LDID0795	DST-0161	DSTCF 2460	- - - - -
Double Support Tie	795 (26/7) 954 (36/1) 954 (54/7)	1033.5 (37W) 1033.5 (61W)		- - - - -	DST-0162	DSTCF 2785	- - - - -

DOUBLE SUPPORT TIES, J NECK (3-1/2)
LDID2XXX SERIES CROSS REFERENCE
NOVEMBER, 2013

GROUP	POPULAR CONDUCTOR SIZE			HPS	PLP	DULMISON	HELICAL
	ACSR	AAC	AAAC				
Double Support Tie	#4 (6/1) #4 (7/1)	#3 (7W)	#4 (7W)	LDID2004	DST-0350	DSTJ 0620	- - - - -
Double Support Tie		#3 (7W)	#2 (7W)	LDID2003	DST-0351	DSTJ 0705	- - - - -
Double Support Tie	#2 (6/1) #2 (7/1) #1 (6/1)	#1 (7W) #1 (19W)	#2 (7W)	LDID2001	DST-0352	DSTJ 0800	- - - - -
Double Support Tie	1/0 (6/1)	1/0 (7W) 1/0 (19W)	1/0 (7W)	LDID2010	DST-0353	DSTJ 0910	- - - - -
Double Support Tie	2/0 (6/1)	2/0 (7W) 2/0 (19W)	2/0 (7W)	LDID2020	DST-0354	DSTJ 1030	- - - - -
Double Support Tie	3/0 (6/1)	3/0 (7W) 3/0 (19W)	3/0 (7W)	LDID2030	DST-0355	DSTJ 1170	- - - - -
Double Support Tie	4/0 (6/1)	4/0 (7W) 4/0 (19W)	4/0 (7W)	LDID2040	DST-0356	DSTJ 1325	- - - - -
Double Support Tie	266.8 (18/1) 266.8 (26/7)	266.8 (19W) 266.8 (37W) 336.4 (19W)		LDID2266	DST-0357	DSTJ 1495	- - - - -
Double Support Tie	336.4 (18/1) 397.5 (18/1)	350 (19W) 397.5 (19W)		LDID2336	DST-0358	DSTJ 1695	- - - - -
Double Support Tie	477 (18/1) 477 (24/7) 477 (26/7)	450 (19W) 477 (19W) 477 (37W) 556.5 (19W)		LDID2477	DST-0359	DSTJ 1920	- - - - -
Double Support Tie	556.5 (18/1) 556.5 (24/7) 636 (18/1)	700 (37W) 700 (61W)		LDID2556	DST-0360	DSTJ 2175	- - - - -
Double Support Tie	636 (24/7) 795 (54/7)	795 (37W) 795 (61W)		LDID2795	DST-0361	DSTJ 2460	- - - - -
Double Support Tie	795 (54/7) 954 (36/1) 954 (54/7)	1033.5 (37W) 1033.5 (61W)		- - - - -	DST-0362	DSTJ 2785	- - - - -

SIDE TIES, C NECK (2-1/4)
LLAC SERIES CROSS REFERENCE
JANUARY, 2014

GROUP	POPULAR CONDUCTOR SIZE			HPS	PLP	DULMISON	HELICAL
	ACSR	AAC	AAAC				
Side Tie: 2-1/4 Neck	#6 (6/1)	#4 (7W) Comp		- - - - -	STC-1250-P	STC 0485P	HSTC 010
Side Tie: 2-1/4 Neck No Tie Tube (Pad)	#6 (6/1)	#4 (7W) Comp		- - - - -	STC-1250-T	STC 0485T	- - - - -
Side Tie: 2-1/4 Neck	#4 (6/1) Comp #4 (7/1) Comp	#4 (7W)		- - - - -	STC-1251-P	STC 0550P	HSTC 012
Side Tie: 2-1/4 Neck No Tie Tube (Pad)	#4 (6/1) Comp #4 (7/1) Comp	#4 (7W)		- - - - -	STC-1251-T	STC 0550T	- - - - -
Side Tie: 2-1/4 Neck	#4 (6/1) #4 (7/1)	#3 (7W)	#4 (7W)	LLAC4052AS	STC-1252-P	STC 0620P	HSTC 014
Side Tie: 2-1/4 Neck No Tie Tube (Pad)	#4 (6/1) #4 (7/1)	#3 (7W)	#4 (7W)	LLAC4052ASNT	STC-1252-T	STC 0620T	- - - - -
Side Tie: 2-1/4 Neck		#2 (7W)	#3 (7W)	- - - - -	STC-1253-P	STC 0705P	HSTC 016
Side Tie: 2-1/4 Neck No Tie Tube (Pad)		#2 (7W)	#3 (7W)	- - - - -	STC-1253-T	STC 0705T	- - - - -
Side Tie: 2-1/4 Neck	#2 (6/1) #2 (7/1) #1 (6/1)	#1 (7W) #1 (19W)	#2 (7W)	LLAC4054AS	STC-1254-P	STC 0805P	HSTC 018
Side Tie: 2-1/4 Neck No Tie Tube (Pad)	#2 (6/1) #2 (7/1) #1 (6/1)	#1 (7W) #1 (19W)	#2 (7W)	LLAC4054ASNT	STC-1254-T	STC 0805T	- - - - -
Side Tie: 2-1/4 Neck	1/0 (6/1)	1/0 (7W) 1/0 (19W)	1/0 (7W)	LLAC4055AS	STC-1255-P	STC 0910P	HSTC 022
Side Tie: 2-1/4 Neck No Tie Tube (Pad)	1/0 (6/1)	1/0 (7W) 1/0 (19W)	1/0 (7W)	LLAC4055ASNT	STC-1255-T	STC 0910T	- - - - -

SIDE TIES; C NECK (2-1/4)
LLAC SERIES CROSS REFERENCE
JANUARY, 2014

GROUP	POPULAR CONDUCTOR SIZE			HPS	PLP	DULMISON	HELICAL
	ACSR	AAC	AAAC				
Side Tie; 2-1/4 Neck	2/0 (6/1)	2/0 (7W) 2/0 (19W)	2/0 (7W)	- - - - -	STC-1256-P	STC 1030P	HSTC 024
Side Tie; 2-1/4 Neck No Tie Tube (Pad)	2/0 (6/1)	2/0 (7W) 2/0 (19W)	2/0 (7W)	- - - - -	STC-1256-T	STC 1030T	- - - - -
Side Tie; 2-1/4 Neck	3/0 (6/1)	3/0 (7W) 3/0 (19W)	3/0 (7W)	LLAC4057AS	STC-1257-P	STC 1170P	HSTC 026
Side Tie; 2-1/4 Neck No Tie Tube (Pad)	3/0 (6/1)	3/0 (7W) 3/0 (19W)	3/0 (7W)	LLAC4057ASNT	STC-1257-T	STC 1170T	- - - - -
Side Tie; 2-1/4 Neck	4/0 (6/1)	4/0 (7W) 4/0 (19W)	4/0 (7W)	LLAC4058AS	STC-1258-P	STC 1325P	HSTC 028
Side Tie; 2-1/4 Neck No Tie Tube (Pad)	4/0 (6/1)	4/0 (7W) 4/0 (19W)	4/0 (7W)	LLAC4058ASNT	STC-1258-T	STC 1325T	- - - - -
Side Tie; 2-1/4 Neck	266.8 (18/1) 266.8 (26/7)	266.8 (19W) 266.8 (37W) 336.4 (19W)		- - - - -	STC-1259-P	STC 1495P	HSTC 031
Side Tie; 2-1/4 Neck No Tie Tube (Pad)	266.8 (18/1) 266.8 (26/7)	266.8 (19W) 266.8 (37W) 336.4 (19W)		- - - - -	STC-1259-T	STC 1495T	- - - - -
Side Tie; 2-1/4 Neck	336.4 (18/1) 397.5 (18/1)	350 (19W) 397.5 (19W)		LLAC4060AS	STC-1260-P	STC 1695P	HSTC 033
Side Tie; 2-1/4 Neck No Tie Tube (Pad)	336.4 (18/1) 397.5 (18/1)	350 (19W) 397.5 (19W)		LLAC4060ASNT	STC-1260-T	STC 1695T	- - - - -
Side Tie; 2-1/4 Neck	477 (18/1) 477 (24/7) 477 (26/7)	450 (19W) 477 (19W) 477 (37W) 556.5 (19W)		LLAC4061AS	STC-1261-P	STC 1920P	HSTC 036
Side Tie; 2-1/4 Neck No Tie Tube (Pad)	477 (18/1) 477 (24/7) 477 (26/7)	450 (19W) 477 (19W) 477 (37W) 556.5 (19W)		LLAC4061ASNT	STC-1261-T	STC 1920T	- - - - -

SIDE TIES; C NECK (2-1/4)
LLAC SERIES CROSS REFERENCE
JANUARY, 2014

GROUP	POPULAR CONDUCTOR SIZE			HPS	PLP	DULMISON	HELICAL
	ACSR	AAC	AAAC				
Side Tie; 2-1/4 Neck	556.5 (18/1) 556.5 (24/7) 636 (18/1)	700 (37W) 700 (61W)		LLAC4062AS	STC-1262-P	STC 2175P	HSTC 038
Side Tie; 2-1/4 Neck No Tie Tube (Pad)	556.5 (18/1) 556.5 (24/7) 636 (18/1)	700 (37W) 700 (61W)		LLAC4062ASNT	STC-1262-T	STC 2175T	- - - - -
Side Tie; 2-1/4 Neck	636 (24/7) 795 (54/7)	795 (37W) 795 (61W)		- - - - -	STC-1263-P	STC 2460P	HSTC 042
Side Tie; 2-1/4 Neck No Tie Tube (Pad)	636 (24/7) 795 (54/7)	795 (37W) 795 (61W)		- - - - -	STC-1263-T	STC 2460T	- - - - -
Side Tie; 2-1/4 Neck	795 (26/7) 954 (36/1) 954 (54/7)	1033.5 (37W) 1033.5 (61W)		- - - - -	STC-1264-P	STC 2785P	- - - - -
Side Tie; 2-1/4 Neck No Tie Tube (Pad)	795 (26/7) 954 (36/1) 954 (54/7)	1033.5 (37W) 1033.5 (61W)		- - - - -	STC-1264-T	STC 2785T	- - - - -

SIDE TIES; F NECK (2-7/8)
LLAF SERIES CROSS REFERENCE
JANUARY, 2014

GROUP	POPULAR CONDUCTOR SIZE			HPS	PLP	DULMISON	HELICAL
	ACSR	AAC	AAAC				
Side Tie; 2-7/8 Neck	#6 (6/1)	#4 (7W) Comp		LLAF4550AS	STF-1150-P	STF 0485P	HSTF 010
Side Tie; 2-7/8 Neck No Tie Tube (Pad)	#6 (6/1)	#4 (7W) Comp		LLAF4550ASNT	STF-1150-T	STF 0485T	- - - - -
Side Tie; 2-7/8 Neck	#4 (6/1) Comp #4 (7/1) Comp	#4 (7W)		LLAF4551AS	STF-1151-P	STF 0550P	HSTF 012
Side Tie; 2-7/8 Neck No Tie Tube (Pad)	#4 (6/1) Comp #4 (7/1) Comp	#4 (7W)		LLAF4551ASNT	STF-1151-T	STF 0550T	- - - - -
Side Tie; 2-7/8 Neck	#4 (6/1) #4 (7/1)	#3 (7W)	#4 (7W)	LLAF4552AS	STF-1152-P	STF 0620P	HSTF 014
Side Tie; 2-7/8 Neck No Tie Tube (Pad)	#4 (6/1) #4 (7/1)	#3 (7W)	#4 (7W)	LLAF4552ASNT	STF-1152-T	STF 0620T	- - - - -
Side Tie; 2-7/8 Neck		#2 (7W)	#3 (7W)	LLAF4553AS	STF-1153-P	STF 0705P	HSTF 016
Side Tie; 2-7/8 Neck No Tie Tube (Pad)		#2 (7W)	#3 (7W)	LLAF4553ASNT	STF-1153-T	STF0705T	- - - - -
Side Tie; 2-7/8 Neck	#2 (6/1) #2 (7/1) #1 (6/1)	#1 (7W) #1 (19W)	#2 (7W)	LLAF4554AS	STF-1154-P	STF 0805P	HSTF 018
Side Tie; 2-7/8 Neck No Tie Tube (Pad)	#2 (6/1) #2 (7/1) #1 (6/1)	#1 (7W) #1 (19W)	#2 (7W)	LLAF4554ASNT	STF-1154-T	STF 0805T	- - - - -
Side Tie; 2-7/8 Neck	1/0 (6/1)	1/0 (7W) 1/0 (19W)	1/0 (7W)	LLAF4555AS	STF-1155-P	STF 0910P	HSTF 022
Side Tie; 2-7/8 Neck No Tie Tube (Pad)	1/0 (6/1)	1/0 (7W) 1/0 (19W)	1/0 (7W)	LLAF4555ASNT	STF-1155-T	STF 0910T	- - - - -

SIDE TIES; F NECK (2-7/8)
LLAF SERIES CROSS REFERENCE
JANUARY, 2014

GROUP	POPULAR CONDUCTOR SIZE			HPS	PLP	DULMISON	HELICAL
	ACSR	AAC	AAAC				
Side Tie; 2-7/8 Neck	2/0 (6/1)	2/0 (7W) 2/0 (19W)	2/0 (7W)	LLAF4556AS	STF-1156-P	STF 1030P	HSTF 024
Side Tie; 2-7/8 Neck No Tie Tube (Pad)	2/0 (6/1)	2/0 (7W) 2/0 (19W)	2/0 (7W)	LLAF4556ASNT	STF-1156-T	STF 1030T	- - - - -
Side Tie; 2-7/8 Neck	3/0 (6/1)	3/0 (7W) 3/0 (19W)	3/0 (7W)	LLAF4557AS	STF-1157-P	STF 1170P	HSTF 026
Side Tie; 2-7/8 Neck No Tie Tube (Pad)	3/0 (6/1)	3/0 (7W) 3/0 (19W)	3/0 (7W)	LLAF4557ASNT	STF-1157-T	STF 1170T	- - - - -
Side Tie; 2-7/8 Neck	4/0 (6/1)	4/0 (7W) 4/0 (19W)	4/0 (7W)	LLAF4558AS	STF-1158-P	STF 1325P	HSTF 028
Side Tie; 2-7/8 Neck No Tie Tube (Pad)	4/0 (6/1)	4/0 (7W) 4/0 (19W)	4/0 (7W)	LLAF4558ASNT	STF-1158-T	STF 1325T	- - - - -
Side Tie; 2-7/8 Neck	266.8 (18/1) 266.8 (26/7)	266.8 (19W) 266.8 (37W) 336.4 (19W)		LLAF4559AS	STF-1159-P	STF 1495P	HSTF 031
Side Tie; 2-7/8 Neck No Tie Tube (Pad)	266.8 (18/1) 266.8 (26/7)	266.8 (19W) 266.8 (37W) 336.4 (19W)		LLAF4559ASNT	STF-1159-T	STF 1495T	- - - - -
Side Tie; 2-7/8 Neck	336.4 (18/1) 397.5 (18/1)	350 (19W) 397.5 (19W)		LLAF4560AS	STF-1160-P	STF 1695P	HSTF 033
Side Tie; 2-7/8 Neck No Tie Tube (Pad)	336.4 (18/1) 397.5 (18/1)	336.4 (19W) 397.5 (19W)		LLAF4560ASNT	STF-1160-T	STF 1695T	- - - - -
Side Tie; 2-7/8 Neck	477 (18/1) 477 (24/7) 477 (26/7)	450 (19W) 477 (19W) 477 (37W) 556.5 (19W)		LLAF4561AS	STF-1161-P	STF 1920P	HSTF 036
Side Tie; 2-7/8 Neck No Tie Tube (Pad)	477 (18/1) 477 (24/7) 477 (26/7)	450 (19W) 477 (19W) 477 (37W) 556.5 (19W)		LLAF4561ASNT	STF-1161-T	STF 1920T	- - - - -

SIDE TIES; F NECK (2-7/8)
LLAF SERIES CROSS REFERENCE
JANUARY, 2014

GROUP	POPULAR CONDUCTOR SIZE			HPS	PLP	DULMISON	HELICAL
	ACSR	AAC	AAAC				
Side Tie; 2-7/8 Neck	556.5 (18/1) 556.5 (24/7) 636 (18/1)	700 (37W) 700 (61W)		LLAF4562AS	STF-1162-P	STF 2175P	HSTF 038
Side Tie; 2-7/8 Neck No Tie Tube (Pad)	556.5 (18/1) 556.5 (24/7) 636 (18/1)	700 (37W) 700 (61W)		LLAF4562ASNT	STF-1162-T	STF 2175T	- - - - -
Side Tie; 2-7/8 Neck	636 (24/7) 795 (54/7)	795 (37W) 795 (61W)		LLAF4563AS	STF-1163-P	STF 2460P	HSTF 042
Side Tie; 2-7/8 Neck No Tie Tube (Pad)	636 (24/7) 795 (54/7)	795 (37W) 795 (61W)		LLAF4563ASNT	STF-1163-T	STF 2460T	- - - - -
Side Tie; 2-7/8 Neck	795 (26/7) 954 (36/1) 954 (54/7)	1033.5 (37W) 1033.5 (61W)		- - - - -	STF-1164-P	STF 2785P	- - - - -
Side Tie; 2-7/8 Neck No Tie Tube (Pad)	795 (26/7) 954 (36/1) 954 (54/7)	1033.5 (37W) 1033.5 (61W)		- - - - -	STF-1164-T	STF 2785T	- - - - -

QUIK-WRAP™ SIDE TIES, C NECK INSULATORS (2-1/4)
QWSTC SERIES CROSS REFERENCE
JANUARY, 2014

GROUP	POPULAR CONDUCTOR SIZE			HPS	PLP	DULMISON	HELICAL
	ACSR	AAC	AAAC				
Side Tie; 2-1/4 Neck	#6 (6/1)	#4 (7W) Comp		- - - - -	EZSTC-270	- - - - -	- - - - -
Side Tie; 2-1/4 Neck	#4 (6/1) Comp #4 (7/1) Comp	#4 (7W)		- - - - -	EZSTC-271	- - - - -	- - - - -
Side Tie; 2-1/4 Neck	#4 (6/1) #4 (7/1)	#3 (7W)	#4 (7W)	- - - - -	EZSTC-272	- - - - -	- - - - -
Side Tie; 2-1/4 Neck		#2 (7W)	#3 (7W)	- - - - -	EZSTC-273	- - - - -	- - - - -
Side Tie; 2-1/4 Neck	#2 (6/1) #2 (7/1) #1 (6/1)	#1 (7W) #1 (19W)	#2 (7W)	QWSTC274	EZSTC-274	- - - - -	- - - - -
Side Tie; 2-1/4 Neck	1/0 (6/1)	1/0 (7W) 1/0 (19W)	1/0 (7W)	QWSTC275	EZSTC-275	- - - - -	- - - - -
Side Tie; 2-1/4 Neck	2/0 (6/1)	2/0 (7W) 2/0 (19W)	2/0 (7W)	- - - - -	EZSTC-276	- - - - -	- - - - -
Side Tie; 2-1/4 Neck	3/0 (6/1)	3/0 (7W) 3/0 (19W)	3/0 (7W)	- - - - -	EZSTC-277	- - - - -	- - - - -
Side Tie; 2-1/4 Neck	4/0 (6/1)	4/0 (7W) 4/0 (19W)	4/0 (7W)	QWSTC278	EZSTC-278	- - - - -	- - - - -
Side Tie; 2-1/4 Neck	266.8 (18/1) 266.8 (26/7)	266.8 (19W) 266.8 (37W) 336.4 (19W)		- - - - -	EZSTC-279	- - - - -	- - - - -

QUIK-WRAP™ SIDE TIES, C NECK INSULATORS (2-1/4)
QWSTC SERIES CROSS REFERENCE
JANUARY, 2014

GROUP	POPULAR CONDUCTOR SIZE			HPS	PLP	DULMISON	HELICAL
	ACSR	AAC	AAAC				
Side Tie; 2-1/4 Neck	336.4 (18/1) 397.5 (18/1)	350 (19W) 397.5 (19W)		- - - - -	EZSTC-280	- - - - -	- - - - -
Side Tie; 2-1/4 Neck	477 (18/1) 477 (24/7) 477 (26/7)	450 (19W) 477 (19W) 477 (37W) 556.5 (19W)		QWSTC281	EZSTC-281	- - - - -	- - - - -
Side Tie; 2-1/4 Neck	556.5 (18/1) 556.5 (24/7) 636 (18/1)	700 (37W) 700 (61W)		QWSTC282	EZSTC-282	- - - - -	- - - - -
Side Tie; 2-1/4 Neck	636 (24/7) 795 (54/7)	795 (37W) 795 (61W)		- - - - -	EZSTC-283	- - - - -	- - - - -
Side Tie; 2-1/4 Neck	795 (26/7) 954 (36/1) 954 (54/7)	1033.5 (37W) 1033.5 (61W)		- - - - -	EZSTC-284	- - - - -	- - - - -

QUIK-WRAP™ SIDE TIES, F NECK INSULATORS (2-7/8)
QWSTF SERIES CROSS REFERENCE
JANUARY, 2014

GROUP	POPULAR CONDUCTOR SIZE			HPS	PLP	DULMISON	HELICAL
	ACSR	AAC	AAAC				
Side Tie; 2-7/8 Neck	#6 (6/1)	#4 (7W) Comp		- - - - -	EZSTF-170	- - - - -	- - - - -
Side Tie; 2-7/8 Neck	#4 (6/1) Comp #4 (7/1) Comp	#4 (7W)		- - - - -	EZSTF-171	- - - - -	- - - - -
Side Tie; 2-7/8 Neck	#4 (6/1) #4 (7/1)	#3 (7W)	#4 (7W)	QWSTF172	EZSTF-172	- - - - -	- - - - -
Side Tie; 2-7/8 Neck		#2 (7W)	#3 (7W)	- - - - -	EZSTF-173	- - - - -	- - - - -
Side Tie; 2-7/8 Neck	#2 (6/1) #2 (7/1) #1 (6/1)	#1 (7W) #1 (19W)	#2 (7W)	QWSTF174	EZSTF-174	- - - - -	- - - - -
Side Tie; 2-7/8 Neck	1/0 (6/1)	1/0 (7W) 1/0 (19W)	1/0 (7W)	QWSTF175	EZSTF-175	- - - - -	- - - - -
Side Tie; 2-7/8 Neck	2/0 (6/1)	2/0 (7W) 2/0 (19W)	2/0 (7W)	QWSTF176	EZSTF-176	- - - - -	- - - - -
Side Tie; 2-7/8 Neck	3/0 (6/1)	3/0 (7W) 3/0 (19W)	3/0 (7W)	QWSTF177	EZSTF-177	- - - - -	- - - - -
Side Tie; 2-7/8 Neck	4/0 (6/1)	4/0 (7W) 4/0 (19W)	4/0 (7W)	QWSTF178	EZSTF-178	- - - - -	- - - - -
Side Tie; 2-7/8 Neck	266.8 (18/1) 266.8 (26/7)	266.8 (19W) 266.8 (37W) 336.4 (19W)		- - - - -	EZSTF-179	- - - - -	- - - - -

QUIK-WRAP™ SIDE TIES, F NECK INSULATORS (2-7/8)
QWSTF SERIES CROSS REFERENCE
JANUARY, 2014

GROUP	POPULAR CONDUCTOR SIZE			HPS	PLP	DULMISON	HELICAL
	ACSR	AAC	AAAC				
Side Tie; 2-7/8 Neck	336.4 (18/1) 397.5 (18/1)	350 (19W) 397.5 (19W)		QWSTF180	EZSTF-180	- - - - -	- - - - -
Side Tie; 2-7/8 Neck	477 (18/1) 477 (24/7) 477 (26/7)	450 (19W) 477 (19W) 477 (37W) 556.5 (19W)		QWSTF181	EZSTF-181	- - - - -	- - - - -
Side Tie; 2-7/8 Neck	556.5 (18/1) 556.5 (24/7) 636 (18/1)	700 (37W) 700 (61W)		QWSTF182	EZSTF-182	- - - - -	- - - - -
Side Tie; 2-7/8 Neck	636 (24/7) 795 (54/7)	795 (37W) 795 (61W)		QWSTF183	EZSTF-183	- - - - -	- - - - -
Side Tie; 2-7/8 Neck	795 (26/7) 954 (36/1) 954 (54/7)	1033.5 (37W) 1033.5 (61W)		QWSTF184	EZSTF-184	- - - - -	- - - - -

DOUBLE SIDE TIES, C NECK (2-1/4) & F NECK (2-7/8)
LLDU4XXX SERIES CROSS REFERENCE
JANUARY, 2014

GROUP	POPULAR CONDUCTOR SIZE			HPS	PLP	DULMISON	HELICAL
	ACSR	AAC	AAAC				
Double Side Tie, 2-1/4 & 2-7/8 Neck	#4 (6/1) #4 (7/1)	#3 (7W)	#4 (7W)	LLDU4152AS	DBST-1100	DBST 0620	- - - - -
Double Side Tie, 2-1/4 & 2-7/8 Neck		#2 (7W)	#3 (7W)	LLDU4153AS	DBST-1101	DBST 0705	- - - - -
Double Side Tie, 2-1/4 & 2-7/8 Neck	#2 (6/1) #2 (7/1) #1 (6/1)	#1 (7W) #1 (19W)	#2 (7W)	LLDU4154AS	DBST-1102	DBST 0805	- - - - -
Double Side Tie, 2-1/4 & 2-7/8 Neck	1/0 (6/1)	1/0 (7W) 1/0 (19W)	1/0 (7W)	LLDU4155AS	DBST-1103	DBST 0910	- - - - -
Double Side Tie, 2-1/4 & 2-7/8 Neck	2/0 (6/1)	2/0 (7W) 2/0 (19W)	2/0 (7W)	LLDU4156AS	DBST-1104	DBST 1030	- - - - -
Double Side Tie, 2-1/4 & 2-7/8 Neck	3/0 (6/1)	3/0 (7W) 3/0 (19W)	3/0 (7W)	LLDU4157AS	DBST-1105	DBST 1170	- - - - -
Double Side Tie, 2-1/4 & 2-7/8 Neck	4/0 (6/1)	4/0 (7W) 4/0 (19W)	4/0 (7W)	LLDU4158AS	DBST-1106	DBST 1325	- - - - -
Double Side Tie, 2-1/4 & 2-7/8 Neck	266.8 (18/1) 266.8 (26/7)	266.8 (19W) 266.8 (37W) 336.4 (19W)		LLDU4159AS	DBST-1107	DBST 1495	- - - - -
Double Side Tie, 2-1/4 & 2-7/8 Neck	336.4 (18/1) 397.5 (18/1)	350 (19W) 397.5 (19W)		LLDU4160AS	DBST-1108	DBST 1695	- - - - -
Double Side Tie, 2-1/4 & 2-7/8 Neck	477 (18/1) 477 (24/7) 477 (26/7)	450 (19W) 477 (19W) 477 (37W) 556.5 (19W)		LLDU4161AS	DBST-1109	DBST 1920	- - - - -
Double Side Tie, 2-1/4 & 2-7/8 Neck	556.5 (18/1) 556.5 (24/7) 636 (18/1)	700 (37W) 700 (61W)		LLDU4162AS	DBST-1110	DBST 2175	- - - - -
Double Side Tie, 2-1/4 & 2-7/8 Neck	636 (24/7) 795 (54/7)	795 (37W) 795 (61W)		LLDU4163AS	DBST-1111	DBST 2460	- - - - -
Double Side Tie, 2-1/4 & 2-7/8 Neck	795 (26/7) 954 (36/1) 954 (54/7)	1033.5 (37W) 1033.5 (61W)		LLDU4164AS	DBST-1112	DBST 2785	- - - - -

DOUBLE SIDE TIES, J NECK (3-1/2)
LLDU5XXX SERIES CROSS REFERENCE
JANUARY, 2014

GROUP	POPULAR CONDUCTOR SIZE			HPS	PLP	DULMISON	HELICAL
	ACSR	AAC	AAAC				
Double Side Tie, 3-1/2 Neck	#4 (6/1) #4 (7/1)	#3 (7W)	#4 (7W)	LLDU5152AS	DBST-1300	DBSTJ 0620	- - - - -
Double Side Tie, 3-1/2 Neck		#2 (7W)	#3 (7W)	- - - - -	DBST-1301	DBSTJ 0705	- - - - -
Double Side Tie, 3-1/2 Neck	#2 (6/1) #2 (7/1) #1 (6/1)	#1 (7W) #1 (19W)	#2 (7W)	LLDU5154AS	DBST-1302	DBSTJ 0805	- - - - -
Double Side Tie, 3-1/2 Neck	1/0 (6/1)	1/0 (7W) 1/0 (19W)	1/0 (7W)	LLDU5155AS	DBST-1303	DBSTJ 0910	- - - - -
Double Side Tie, 3-1/2 Neck	2/0 (6/1)	2/0 (7W) 2/0 (19W)	2/0 (7W)	LLDU5156AS	DBST-1304	DBSTJ 1030	- - - - -
Double Side Tie, 3-1/2 Neck	3/0 (6/1)	3/0 (7W) 3/0 (19W)	3/0 (7W)	- - - - -	DBST-1305	DBSTJ 1170	- - - - -
Double Side Tie, 3-1/2 Neck	4/0 (6/1)	4/0 (7W) 4/0 (19W)	4/0 (7W)	- - - - -	DBST-1306	DBSTJ 1325	- - - - -
Double Side Tie, 3-1/2 Neck	266.8 (18/1) 266.8 (26/7)	266.8 (19W) 266.8 (37W) 336.4 (19W)		- - - - -	DBST-1307	DBSTJ 1495	- - - - -
Double Side Tie, 3-1/2 Neck	336.4 (18/1) 397.5 (18/1)	350 (19W) 397.5 (19W)		- - - - -	DBST-1308	DBSTJ 1695	- - - - -
Double Side Tie, 3-1/2 Neck	477 (18/1) 477 (24/7) 477 (26/7)	450 (19W) 477 (19W) 477 (37W) 556.5 (19W)		- - - - -	DBST-1309	DBSTJ 1920	- - - - -
Double Side Tie, 3-1/2 Neck	556.5 (18/1) 556.5 (24/7) 636 (18/1)	700 (37W) 700 (61W)		- - - - -	DBST-1310	DBSTJ 2175	- - - - -
Double Side Tie, 3-1/2 Neck	636 (24/7) 795 (54/7)	795 (37W) 795 (61W)		LLDU5163AS	DBST-1311	DBSTJ 2460	- - - - -
Double Side Tie, 3-1/2 Neck	795 (26/7) 954 (36/1) 954 (54/7)	1033.5 (37W) 1033.5 (61W)		- - - - -	DBST-1312	DBSTJ 2785	- - - - -

SPOOL TIES, 1-3/4" NECK DIAMETER INSULATORS
LRO SERIES CROSS REFERENCE
JANUARY, 2014

GROUP	POPULAR CONDUCTOR SIZE				HPS	PLP	DULMISON	HELICAL
	ACSR	AAC	AAAC	PLASTIC JACKETED				
Spool Tie	#4 (6/1) #4 (7/1)	#3 (7W)	#4 (7W)	#6 (7W) 2/64s, #6 Solid 3/64s, #6 (6/1) 2/64s	LRO4006AS	SPL-1352-P	SPL 0620P	HSPT 014
Spool Tie No Tie Tube (Pad)	#4 (6/1) #4 (7/1)	#3 (7W)	#4 (7W)	#6 (7W) 2/64s, #6 Solid 3/64s, #6 (6/1) 2/64s	LRO4006ASNT	- - - - -	SPL 0620T	- - - - -
Spool Tie		#2 (7W)	#3 (7W)	#6 (6/1) 3/64s, #4 Solid 3/64s, #4 (6/1) 2/64s,	LRO4010AS	SPL-1353-P	SPL 0705P	HSPT 016
Spool Tie No Tie Tube (Pad)		#2 (7W)	#3 (7W)	#6 (6/1) 3/64s, #4 Solid 3/64s, #4 (6/1) 2/64s,	LRO4010ASNT	- - - - -	SPL 0705T	- - - - -
Spool Tie	#2 (6/1) #2 (7/1) #1 (6/1)	#1 (7W) #1 (19W)	#2 (7W)	#4 (6/1) 3/64s, #2 (7W) 3/64s, #4 (7/1) 3/64s	LRO4012AS	SPL-1354-P	SPL 0800P	HSPT 018
Spool Tie No Tie Tube (Pad)	#2 (6/1) #2 (7/1) #1 (6/1)	#1 (7W) #1 (19W)	#2 (7W)	#4 (6/1) 3/64s, #2 (7W) 3/64s, #4 (7/1) 3/64s	LRO4012ASNT	- - - - -	SPL 0800T	- - - - -
Spool Tie	1/0 (6/1)	1/0 (7W) 1/0 (19W)	1/0 (7W)	#2 (7W) 3/64s, #3 (7W) 4/64s, #4 (7W) 5/65s	LRO4018AS	SPL-1355-P	SPL 0910P	HSPT 022
Spool Tie No Tie Tube (Pad)	1/0 (6/1)	1/0 (7W) 1/0 (19W)	1/0 (7W)	#2 (7W) 3/64s, #3 (7W) 4/64s, #4 (7W) 5/65s	LRO4018ASNT	- - - - -	SPL 0910T	- - - - -
Spool Tie	2/0 (6/1)	2/0 (7W) 2/0 (19W)	2/0 (7W)	#2 (6/1) 3/64s, #2 (7W) 4/64s, #1 (7W) 4/64s	LRO4020AS	SPL-1356-P	SPL 1030P	HSPT 024
Spool Tie No Tie Tube (Pad)	2/0 (6/1)	2/0 (7W) 2/0 (19W)	2/0 (7W)	#2 (6/1) 3/64s, #2 (7W) 4/64s, #1 (7W) 4/64s	LRO4020ASNT	- - - - -	SPL 1030T	- - - - -

SPOOL TIES, 1-3/4" NECK DIAMETER INSULATORS
LRO SERIES CROSS REFERENCE
JANUARY, 2014

GROUP	POPULAR CONDUCTOR SIZE				HPS	PLP	DULMISON	HELICAL
	ACSR	AAC	AAAC	PLASTIC JACKETED				
Spool Tie	3/0 (6/1)	3/0 (7W) 3/0 (19W)	3/0 (7W)	#4 (7W) 8/64s, #1 (6/1) 4/64s, #1 (7W) 5/64s, #1 (19W) 5/64s, 1/0 (7W) 4/64s	LRO4022AS	SPL-1357-P	SPL 1170P	HSPT 026
Spool Tie No Tie Tube (Pad)	3/0 (6/1)	3/0 (7W) 3/0 (19W)	3/0 (7W)	#4 (7W) 8/64s, #1 (6/1) 4/64s, #1 (7W) 5/64s, #1 (19W) 5/64s, 1/0 (7W) 4/64s	LRO4022ASNT	- - - - -	SPL 1170T	- - - - -
Spool Tie	4/0 (6/1)	4/0 (7W) 4/0 (19W)	4/0 (7W)	1/0 (6/1) 4/64s, 1/0 (7W) 5/64s, 2/0 (7W) 4/64s, 1/0 (6/1) 5/64s	LRO4024AS	SPL-1358-P	SPL 1325P	HSPT 028
Spool Tie No Tie Tube (Pad)	4/0 (6/1)	4/0 (7W) 4/0 (19W)	4/0 (7W)	1/0 (6/1) 4/64s, 1/0 (7W) 5/64s, 2/0 (7W) 4/64s, 1/0 (6/1) 5/64s	LRO4024ASNT	- - - - -	SPL 1325T	- - - - -
Spool Tie	266.8 (18/1) 266.8 (26/7)	266.8 (19W) 266.8 (37W) 336.4 (19W)		3/0 (7W) 4/64s, 3/0 (19W) 4/64s, 3/0 (6/1) 4/64s, 4/0 (7W) 4/64s, 4/0 (19W) 4/64s, 3/0 (6/1) 5/64s	LRO4025AS	SPL-1359-P	SPL 1495P	HSPT 031
Spool Tie No Tie Tube (Pad)	266.8 (18/1) 266.8 (26/7)	266.8 (19W) 266.8 (37W) 336.4 (19W)		3/0 (7W) 4/64s, 3/0 (19W) 4/64s, 3/0 (6/1) 4/64s, 4/0 (7W) 4/64s, 4/0 (19W) 4/64s, 3/0 (6/1) 5/64s	LRO4025ASNT	- - - - -	SPL 1495T	- - - - -

SPOOL TIES, 1-3/4" NECK DIAMETER INSULATORS
LRO SERIES CROSS REFERENCE
JANUARY, 2014

GROUP	POPULAR CONDUCTOR SIZE				HPS	PLP	DULMISON	HELICAL
	ACSR	AAC	AAAC	PLASTIC JACKETED				
Spool Tie	336.4 (18/1) 397.5 (19W)	350 (19W) 397.5 (19W)		4/0 (7W) 5/64s, 3/0 (6/1) 6/64s, 4/0 (6/1) 5/64s, 266.8 (19W) 5/64s	LRO4027AS	SPL-1360-P	SPL 1695P	HSPT 033
Spool Tie No Tie Tube (Pad)	336.4 (18/1) 397.5 (19W)	350 (19W) 397.5 (19W)		4/0 (7W) 5/64s, 3/0 (6/1) 6/64s, 4/0 (6/1) 5/64s, 266.8 (19W) 5/64s	LRO4027ASNT	- - - - -	SPL 1695T	- - - - -
Spool Tie	477 (18/1) 477 (24/7) 477 (26/7)	450 (19W) 477 (19W) 477 (37W) 556.5 (19W)		266.8 (18/1) 5/64s, 336.4 (19W) 4/64s, 336.4 (37W) 6/64s	LRO4030AS	SPL-1361-P	SPL 1920P	HSPT 036
Spool Tie No Tie Tube (Pad)	477 (18/1) 477 (24/7) 477 (26/7)	450 (19W) 477 (19W) 477 (37W) 556.5 (19W)		266.8 (18/1) 5/64s, 336.4 (19W) 4/64s, 336.4 (37W) 6/64s	LRO4030ASNT	- - - - -	SPL 1920T	- - - - -
Spool Tie	556.5 (18/1) 556.5 (24/7) 636 (18/1)	700 (37W) 700 (61W)		336.4 (19W) 8/64s, 350 (37W) 6/64s, 450 (37W) 5/64s, 477 (37W) 5/64s	LRO4031AS	SPL-1362-P	SPL 2175P	HSPT 038
Spool Tie No Tie Tube (Pad)	556.5 (18/1) 556.5 (24/7) 636 (18/1)	700 (37W) 700 (61W)		336.4 (19W) 8/64s, 350 (37W) 6/64s, 450 (37W) 5/64s, 477 (37W) 5/64s	LRO4031ASNT	- - - - -	SPL 2175T	- - - - -

QUIK-WRAP™ SPOOL TIES, 1-3/4" DIAMETER NECK INSULATORS
QWSP SERIES CROSS REFERENCE
JANUARY, 2014

GROUP	NOMINAL CONDUCTOR SIZE				HPS	PLP	DULMISON	HELICAL
	ACSR	AAC	AAAC	PLASTIC JACKETED				
Spool Tie, 1-3/4 Neck	#4 (6/1) #4 (7/1)	#3 (7W)	#4 (7W)	#6 (7W) 2/64s, #6 Solid 3/64s, #6 (6/1) 2/64s	QWSP4372	EZSP-4372	QSPL 0620P	HSPT 014
Spool Tie, 1-3/4 Neck	#2 (6/1) #2 (7/1) #1 (6/1)	#1 (7W) #1 (19W)	#2 (7W)	#4 (6/1) 3/64s #4 (7W) 3/64s #4 (7/1) 3/64s	QWSP4374	EZSP-4374	QSPL 0705P	HSPT 016
Spool Tie, 1-3/4 Neck	1/0 (6/1)	1/0 (7W) 1/0 (19W)	1/0 (7W)	#2 (7W) 3/64s #3 (7W) 4/64s #4 (7W) 5/65s	QWSP4375	EZSP-4375	QSPL 0910P	HSPT 022
Spool Tie, 1-3/4 Neck	2/0 (6/1)	2/0 (7W) 2/0 (19W)	2/0 (7W)	#2 (6/1) 3/64s #2 (7W) 4/64s #1 (7W) 4/64s	QWSP4376	EZSP-4376	QSPL 1030P	HSPT 024
Spool Tie, 1-3/4 Neck	3/0 (6/1)	3/0 (7W) 3/0 (19W)	3/0 (7W)	#4 (7W) 8/64s #1 (6/1) 4/64s #1 (7W) 5/64s #1 (19W) 5/64s 1/0 (7W) 4/64s	QWSP4377	EZSP-4377	QSPL 1170P	HSPT 026
Spool Tie, 1-3/4 Neck	4/0 (6/1)	4/0 (7W) 4/0 (19W)	4/0 (7W)	1/0 (6/1) 4/64s 1/0 (7W) 5/64s 2/0 (7W) 4/64s 1/0 (6/1) 5/64s,	QWSP4378	EZSP-4378	QSPL 1325P	HSPT 028
Spool Tie, 1-3/4 Neck	266.8 (18/1) 266.8 (26/7)	266.8 (19W) 266.8 (37W) 336.4 (19W)		3/0 (7W) 4/64s 3/0 (19W) 4/64s 3/0 (6/1) 4/64s 4/0 (7W) 4/64s 4/0 (19W) 4/64s 3/0 (6/1) 5/64s	- - - - -	EZSP-4379	QSPL 1495P	HSPT 031

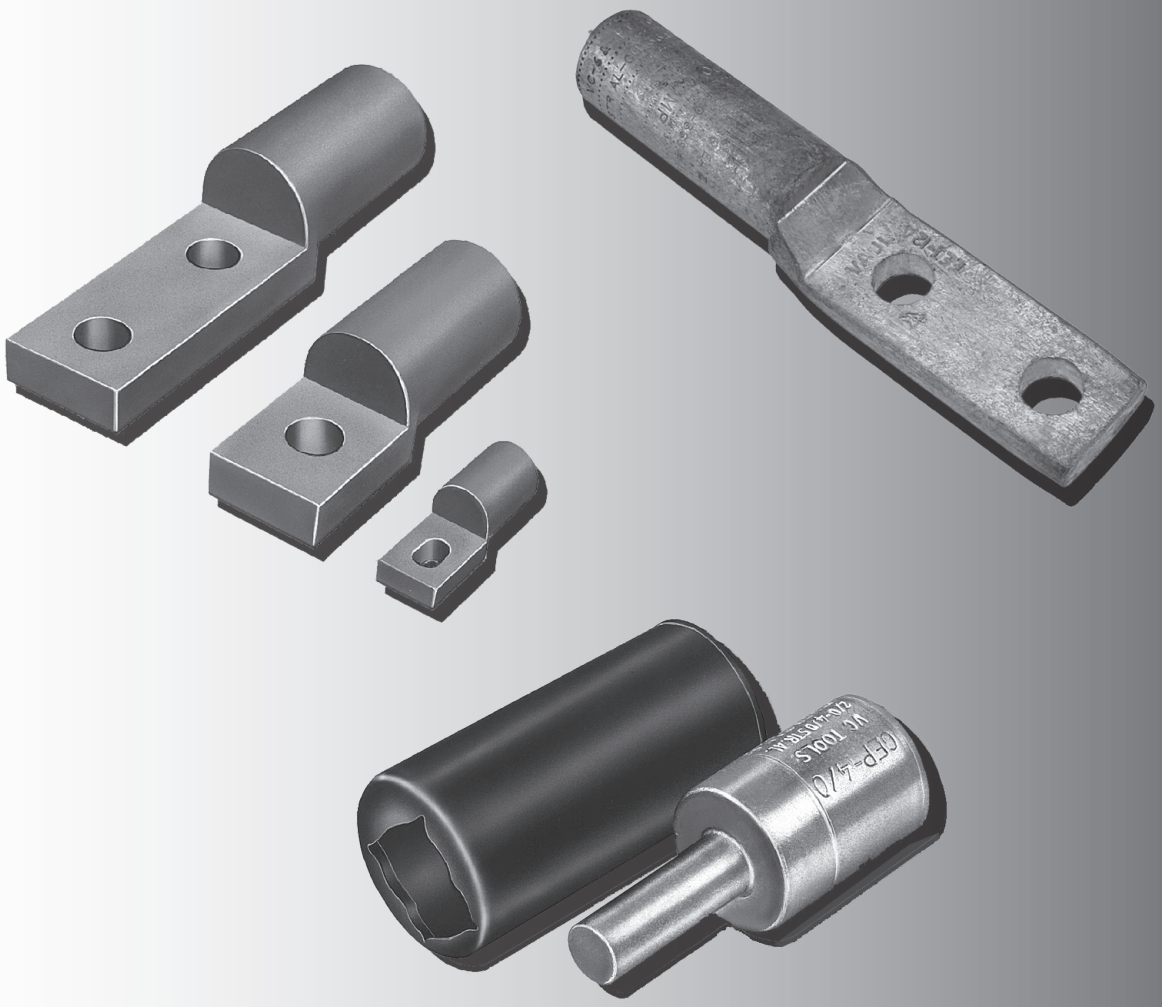
QUIK-WRAP™ SPOOL TIES, 1-3/4" DIAMETER NECK INSULATORS
QWSP SERIES CROSS REFERENCE
JANUARY, 2014

GROUP	NOMINAL CONDUCTOR SIZE				HPS	PLP	DULMISON	HELICAL
	ACSR	AAC	AAAC	PLASTIC JACKETED				
Quik-Wrap™ Spool Tie	336.4 (18/1) 397.5 (18/1)	350 (19W) 397.5 (19W)		4/0 (7W) 5/64s 3/0 (6/1) 6/64s 4/0 (6/1) 5/64s 266.8 (19W) 5/64s	QWSP4380	EZSP-4380	QSPL 1695P	HSPT 033
Quik-Wrap™ Spool Tie	477 (18/1) 477 (24/7) 477 (26/7)	450 (19W) 477 (19W) 477 (37W) 556.5 (19W)		266.8 (18/1) 5/64s 336.4 (19W) 4/64s 336.4 (37W) 6/64s	QWSP4381	EZSP-4381	QSPL 1920P	HSPT 036
Quik-Wrap™ Spool Tie	556.5 (18/1) 556.5 (24/7) 636 (18/1)	700 (37W) 700 (61W)		336.4 (19W) 8/64s 350 (37W) 6/64s 450 (37W) 5/64s 477 (37W) 5/64s	- - - - -	EZSP-4382	QSPL 2175P	HSPT 038

HUBBELL

DISTRIBUTION CONNECTORS

SECTION DF



COMPRESSION TERMINALS

Aluminum Compression Lugs

Aluminum Bi-Metal Pin Terminals

Copper Compression Lugs

VERSAtile™ ALUMINUM COMPRESSION TERMINAL TYPE VCEL

ALUMINUM
VCEL

- For use with either VERSA-CRIMP® or conventional compression tools
- For size-for-size replacements for original equipment set screw mechanical lugs, when recommended by the equipment manufacturer.
- UL listed for both concentric and compact aluminum and concentric copper conductor
- Meets ANSI C119.4 Class A performance on aluminum concentric conductor
- Color coded end plugs for easy die selection (see page DF-15).

Material: **Body** – Aluminum Alloy-Tin Plated
Factory Inhibited

UL LISTED 261L

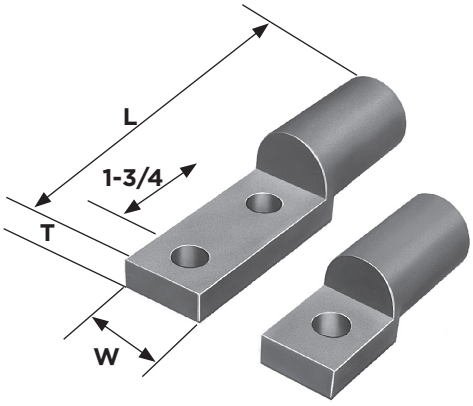


FIG. 2 FIG. 1

AL9CU (90° RATED)

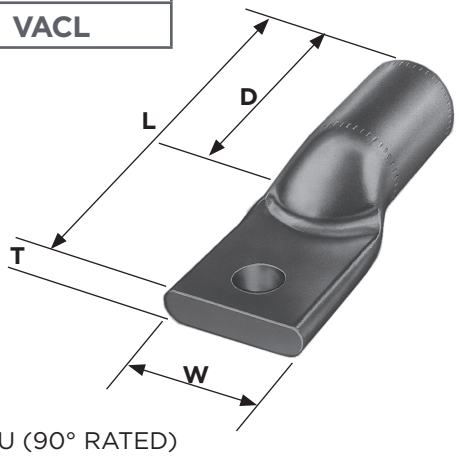
Product Data & Conductor Size

CATALOG NUMBER	FIG. NO.	ALUMINUM OR COPPER CONDUCTOR: CONVENTIONAL TOOLING RANGE	ALUMINUM OR COPPER CONDUCTOR: VERSA-CRIMP® SYSTEM RANGE	VERSA-CRIMP TOOL TYPE	PAD BOLT DIA.	DIMENSIONS INCHES (MM): L	DIMENSIONS INCHES (MM): W	DIMENSIONS INCHES (MM): T	APPROX. WT. EACH LBS. (KG)	I.D. INCHES (MM)
VCEL02114S1	1	1/0 Str. Al/Cu	#8—1/0 Str. Al/Cu	VC6 (ALL)	1/4	1-3/4 (44.5)	39/64 (15.2)	1/4 (6.4)	.03 (.01)	.403 (10.2)
VCEL021516H1	1				5/16	1-3/4 (44.5)	39/64 (15.2)	1/4 (6.4)	.03 (.01)	.403 (10.2)
VCEL02138H1	1				3/8	1-27/32 (46.7)	11/16 (17.5)	11/64 (4.4)	.03 (.01)	.403 (10.2)
VCEL022516H1	1	2/0 Str. Al/Cu	#1—2/0 Str. Al/Cu		5/16	2-17/64 (57.4)	1 (25.4)	9/32 (7.1)	.12 (.05)	.453 (11.5)
VCEL02238H1	1				3/8	2-17/64 (57.4)	1 (25.4)	9/32 (7.1)	.12 (.05)	.453 (11.5)
VCEL024516H1	1	4/0 Str. Al/Cu	2/0—4/0 Str. Al/Cu		5/16	2-17/64 (57.4)	1 (25.4)	9/32 (7.1)	.11 (.05)	.562 (14.3)
VCEL02438H1	1				3/8	2-17/64 (57.4)	1 (25.4)	9/32 (7.1)	.11 (.05)	.562 (14.3)
VCEL030516H1	1	300 MCM Al/Cu	#4—300 MCM Al/Cu		5/16	2-17/64 (57.4)	1 (25.4)	9/32 (7.1)	.10 (.04)	.656 (16.7)
VCEL03038H1	1				3/8	2-17/64 (57.4)	1 (25.4)	9/32 (7.1)	.10 (.04)	.656 (16.7)
VCEL035516H1	1	350 MCM Al/Cu	250-350 MCM Al/Cu	VC63 VC6FT	5/16	2-17/64 (57.4)	1 (25.4)	9/32 (7.1)	.10 (.04)	.711 (18.1)
VCEL03538H1	1				3/8	2-17/64 (57.4)	1 (25.4)	9/32 (7.1)	.10 (.04)	.711 (18.1)
VCEL05038H1	1	500 MCM Al/Cu	2/0—500 MCM Al/Cu		3/8	3-13/32 (86.4)	1-3/16 (30.2)	1/2 (12.7)	.20 (.09)	.844 (21.4)
VCEL05012H1	1				1/2	3-13/32 (86.4)	1-3/16 (30.2)	1/2 (12.7)	.20 (.09)	.844 (21.4)
VCEL05012H2	2	500 MCM Al/Cu	2/0—500 MCM Al/Cu		1/2	5-3/64 (128.0)	1-3/16 (30.2)	1/2 (12.7)	.30 (.13)	.928 (23.6)
VCEL06012H1	1	600 MCM Al	400-600—MCM Al 400—500 MCM Cu	VC6FT	1/2	3-21/32 (92.7)	1-5/16 (33.0)	1/2 (12.7)	.28 (.13)	.928 (23.6)
VCEL06012H2	2	600 MCM Al	400-600—MCM Al 400—500 MCM Cu		1/2	5-9/32 (134.4)	1-5/16 (33.0)	1/2 (12.7)	.40 (.18)	.928 (23.6)
VCEL07512H1	1	750 MCM Al	500-750—MCM Al 500 MCM Cu		1/2	3-21/32 (92.7)	1-5/16 (33.0)	1/2 (12.7)	.25 (.11)	1.031 (26.2)
VCEL07512H2	2	750 MCM Al	500-750—MCM Al 500 MCM Cu		1/2	5-9/32 (134.4)	1-5/16 (33.0)	1/2 (12.7)	.36 (.16)	1.031 (26.2)

HIGH VOLTAGE APPLICATIONS—All Aluminum/Copper and Copper Lugs (VCEL, VACL, VHCL, VHCS and VCELC) are rated at 34.5KV. The other U.L. Listed compression connectors (VACS, VACT, VCCT, VHSS and VHS) have a maximum UL voltage requirement of less than 2000 volts, however Anderson recommends these connectors for application through 34.5 KV subject to manufacturers' limitations for insulation material.
For further information, contact factory.

VERSAtile™ ALUMINUM COMPRESSION TERMINAL TYPE VACL

ALUMINUM
VACL



AL9CU (90° RATED)

- For use with either VERSA-CRIMP® or conventional compression tools.
- UL listed for aluminum or copper conductors.
- Factory inhibited
- Color coded end plugs for easy die selection (see page DF-16 and DF-17).

Material: **Body** – Aluminum Alloy-Tin Plated

LISTED 261L

Product Data & Conductor Size

CATALOG NUMBER	NO. PAD HOLES	ALUMINUM OR COPPER CONDUCTOR		VERSA-CRIMP TOOL TYPE	PAD BOLT DIA.	DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)	I.D. INCHES (MM)
		CONVENTIONAL TOOLING RANGE	VERSA-CRIMP® SYSTEM RANGE			L	D	W	T		
VACL414	1	#4 Str. Al/Cu	#4 Str. Al/Cu	VC6350	1/4	2-5/16 (58.7)	1 (25.4)	13/16 (20.6)	1/8 (3.2)	.02 (.01)	.252 (6.4)
VACL438	1				3/8	2-5/16 (58.7)	1 (25.4)	13/16 (20.6)	1/8 (3.2)	.02 (.01)	.252 (6.4)
VACL214	1	#2 Str. Al/Cu	#6—#2 Str. Al/Cu	VC6 (ALL)	1/4	2-1/2 (63.5)	1-1/8 (28.4)	7/8 (22.2)	3/16 (4.8)	.04 (.02)	.312 (7.9)
VACL2516	1				5/16	2-1/2 (63.5)	1-1/8 (28.4)	7/8 (22.2)	3/16 (4.8)	.04 (.02)	.312 (7.9)
VACL238	1				3/8	2-1/2 (63.5)	1-1/8 (28.4)	7/8 (22.2)	3/16 (4.8)	.04 (.02)	.312 (7.9)
VACL1516	1	#1 Str. Al/Cu	#4—#1 Str. Al/Cu		5/16	2-3/4 (69.9)	1-1/8 (28.4)	3/4 (19.0)	3/16 (4.8)	.05 (.02)	.350 (8.9)
VACL138	1				3/8	2-3/4 (69.9)	1-1/8 (28.4)	3/4 (19.0)	3/16 (4.8)	.05 (.02)	.350 (8.9)
VACL1038	1	1/0 Str. Al/Cu	#8—1/0 Str. Al/Cu		3/8	2-15/16 (74.6)	1-5/16 (33.3)	13/16 (20.6)	3/16 (4.8)	.05 (.02)	.393 (10.0)
VACL1012	1				1/2	3-1/8 (79.4)	1-5/16 (33.3)	13/16 (20.6)	3/16 (4.8)	.05 (.02)	.393 (10.0)
VACL1012BN	2				1/2	4-7/8 (128.8)	1-5/16 (33.3)	13/16 (20.6)	3/16 (4.8)	.05 (.02)	.393 (10.0)
VACL2038	1	2/0 Str. Al/Cu	#4—2/0 Str. Al/Cu		3/8	2-15/16 (74.6)	1-5/16 (33.3)	15/16 (23.8)	1/4 (6.3)	.07 (.03)	.450 (11.4)
VACL2012	1				1/2	3-1/8 (79.4)	1-5/16 (33.3)	15/16 (23.8)	1/4 (6.3)	.07 (.03)	.450 (11.4)
VACL2012BN	2				1/2	4-7/8 (128.8)	1-5/16 (33.3)	15/16 (23.8)	1/4 (6.3)	.12 (.05)	.450 (11.4)

Continued on next page.

HIGH VOLTAGE APPLICATIONS—All Aluminum/Copper and Copper Lugs (VCEL, VACL, VHCL, VHCS and VCELC) are rated at 34.5KV. The other U.L. Listed compression connectors (VACS, VACT, VCCT, VHSS and VHS) have a maximum UL voltage requirement of less than 2000 volts, however Anderson recommends these connectors for application through 34.5 KV subject to manufacturers' limitations for insulation material.

TYPE VACL ALUMINUM COMPRESSION TERMINAL (CONTINUED)

Product Data & Conductor Size

CATALOG NUMBER	NO. PAD HOLES	ALUMINUM OR COPPER CONDUCTOR		VERSA-CRIMP TOOL TYPE	PAD BOLT DIA.	DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG)	I.D. INCHES (MM)
		CONVENTIONAL TOOLING RANGE	VERSA-CRIMP® SYSTEM RANGE			L	D	W	T		
VACL3038	1	3/0 Str. Al/Cu	#4—3/0 Str. Al/Cu	VC6 (ALL)	3/8	3 (76.2)	1-5/16 (33.3)	1-1/16 (26.99)	1/4 (6.3)	.10 (.04)	.502 (12.8)
VACL3012	1				1/2	3-3/16 (81.0)				.10 (.04)	.502 (12.8)
VACL3012BN	2				1/2	4-15/16 (125.4)				.16 (.07)	.502 (12.8)
VACL4038	1	4/0 Str. Al/Cu	#2—4/0 Str. Al/Cu		3/8	3-15/16 (84.1)	1-1/2 (38.1)	1-1/4 (31.7)	1/4 (6.3)	.13 (.06)	.562 (14.3)
VACL4012	1				1/2	3-1/2 (88.9)				.13 (.06)	.562 (14.3)
VACL4012BN	2				1/2	5-1/4 (133.3)				.20 (.09)	.562 (14.3)
VACL25012	1	250 MCM Al/Cu	1/0—250 MCM Al/Cu		1/2	3-9/16 (90.5)	1-1/2 (38.1)	1-1/4 (31.7)	5/16 (7.9)	.16 (.07)	.605 (15.4)
VACL25012BN	2				1/2	5-5/16 (134.9)				.25 (.11)	.605 (15.4)
VACL30012	1	300 MCM Al/Cu	1/0—300 MCM Al/Cu		1/2	3-3/4 (95.2)	1-1/2 (38.1)	1-3/8 (34.9)	3/8 (90.5)	.19 (.09)	.660 (16.8)
VACL30012BN	2				1/2	5-1/2 (139.7)				.31 (.14)	.670 (17.0)
VACL35012	1	350 MCM Al/Cu	2/0—350 MCM Al/Cu	VC63 VC6FT	1/2	4-1/16 (103.2)	1-5/8 (41.3)	1-1/2 (38.1)	3/8 (9.5)	.31 (.14)	.711 (18.1)
VACL35012BN	2				1/2	5-13/16 (147.6)				.36 (.16)	.711 (18.1)
VACL40012BN	2	400 MCM Al/Cu	3/0—400 MCM Al/Cu		1/2	6 (152.4)	1-13/16 (46.0)	1-5/8 (41.3)	7/16 (11.1)	.45 (.20)	.758 (19.3)
VACL50012	1	500 MCM Al/Cu	4/0—500 MCM Al/Cu		1/2	4-11/16 (119.0)	2-5/16 (58.7)	1-11/16 (42.9)	3/8 (9.5)	.44 (.20)	.843 (21.4)
VACL50012BN	2				1/2	6-7/16 (163.5)				.62 (.28)	.843 (21.4)
VACL60012BN	2	600 MCM Al	350—-600 MCM Al 350-500 MCM Cu	VC6FT VC8	1/2	7-1/8 (180.98)	2-5/16 (74.6)	1-7/8 (47.7)	7/16 (11.1)	.72 (.33)	.923 (23.4)
VACL75012	1	750 MCM Al	500—750 MCM Al 500 MCM Cu		1/2	5-3/8 (136.52)	2-5/16 (74.6)	1-15/16 (49.2)	5/16 (7.9)	.85 (.38)	1.028 (26.1)
VACL75012BN	2				1/2	7-1/8 (180.98)				.98 (.44)	1.028 (26.1)
VACL100012BN	2	1000 MCM Al	750—1000 MCM Al	VC8	1/2	7-13/16 (198.4)	2-3/4 (69.8)	2-5/8 (.667)	11/16 (17.5)	1.42 (.64)	1.182 (30.0)

Refer to pages DF-16 and DF-17 for recommended tool and die information.

Note: All two hole terminals are on NEMA 1-3/4" centers.

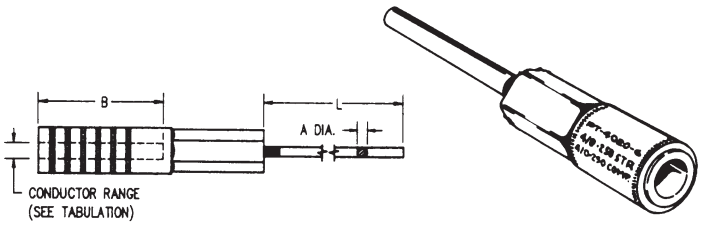
HIGH VOLTAGE APPLICATIONS—All Aluminum/Copper and Copper Lugs (VCEL, VACL, VHCL, VHCS and VCELC) are rated at 34.5KV. The other U.L. Listed compression connectors (VACS, VACT, VCCT, VHSS and VHS) have a maximum UL voltage requirement of less than 2000 volts, however Anderson recommends these connectors for application through 34.5 kV subject to manufacturers' limitations for conductor insulation material.

HUBBELL®

BI-METALLIC PIN TERMINALS FOR JOINING ALUMINUM CONDUCTORS TO COPPER EQUIPMENT TYPES PT & PTH

ALUMINUM

PT & PTH



- For use with VERSA-CRIMP® or die-type tooling
- Sleeve connector is factory compressed over knurled surface of tinned annealed copper rod.
- Provides a compatible bi-metallic transition for joining aluminum conductor to copper based transformer or other equipment terminals. Installed with popular dies.
- Prefilled with rubber compatible electrical joint compound and plugged.

Material: Aluminum
Copper Rod Tin Plated

CATALOG NUMBER	CONDUCTOR RANGE					RECOMMENDED CRIMPING DIE CODES/VC-TOOLS	A PIN (DIA.)	L INCHES (MM)	B INCHES (MM)	COLOR CODE
	CONVENTIONAL COMPRESSION			VERSA CRIMP						
	ALUM	ACSR	INCHES	ALUM	INCHES					
PT6425	4 Sol., 6 Str. & 6 Comp	6	.167-.206	#8 Str. - #4 Sol. Al. #6 ACSR	.146-.206	ANDERSON-VC6 (ALL) EEI8A BURNDY-BG,243 KEARNEY-5/8 ALCOA-08AH T&B-TU 52 BLACKBURN-5/8	4 Sol. (.204")	2-1/2 (63.5)	1 (25.4)	BLUE
PT4425	2 Sol., 3-4 Str. & 4 Comp	4	.204-.258	#8 Str. - #2 Sol. Al. #6-#4 ACSR	.146-.258		4 Sol. (.204")	2-1/2 (63.5)	1 (25.4)	OR-ANGE
PT2425	1-2 Str. 1/0 Sol. 2 Comp Str.	2	.268-.328	#8-#1 Str. Al. #6-#2 ACSR	.146-.328		4 Sol. (.204")	2-1/2 (63.5)	1 (25.4)	RED
PT226	1-2 Str. 1/0 Sol. 2 Comp Str.	2	.268-.328	#8-#1 Str. Al. #6-#2 ACSR	.146-.328		2 Sol. (.258")	6 (152.4)	1 (25.4)	RED
PTH226	1-2 Str. 1/0 Sol. 2 Comp Str.	2	.268-.328	#8-#1 Str. Al. #6-#2 ACSR	.146-.328		2 Sol. (.258")	6 (152.4)	1-3/4 (44.4)	RED
PT102S25	1/0 Str. 1/0 Comp	1/0	.336-.398	#8-1/0 Str. Al. #8-1/0 ACSR	.146-.398		2 Sol. (.258")	2-1/2 (63.5)	1 (25.4)	YELLOW
PT102S6	1/0 Str. 1/0 Comp	1/0	.336-.398	#8-1/0 Str. Al. #8-1/0 ACSR	.146-.398		2 Sol. (.258")	6 (152.4)	1 (25.4)	YELLOW
PTH1026	1/0 Str. 1/0 Comp	1/0	.336-.398	#8-1/0 Str. Al. #8-1/0 ACSR	.146-.398		2 Sol. (.258")	6 (152.4)	1-3/4 (44.4)	YELLOW
PT1026	1/0 Str. 1/0-2/0 Comp	1/0	.336-.398	#4-1/0 Str. Al. #4-1/0 ACSR	.232-.398	ANDERSON-VC6 (ALL) EEI11A BURNDY-249,840 KEARNEY-840 ALCOA-11AH T&B-TX 76 BLACKBURN-840 or B49 ea.	2 Sol. (.258")	6 (152.4)	1-7/8 (47.75)	YELLOW
PT201025	2/0 Str. 3/0 Comp	2/0	.414-.448	#4-2/0 Str. Al. #4-2/0 ACSR	.232-.448		1/0 Sol. (.325")	2-1/2 (63.5)	1-7/8 (47.75)	GRAY
PT20106	2/0 Str. 3/0 Comp	2/0	.414-.448	#4-2/0 Str. Al. #4-2/0 ACSR	.232-.448		1/0 Sol. (.325")	6 (152.4)	1-7/8 (47.75)	GRAY
PT30106	3/0 Str. 4/0 Comp	3/0	.464-.502	#4-3/0 Str. Al. #4-3/0 ACSR	.232-.502		1/0 Sol. (.325")	6 (152.4)	1-7/8 (47.75)	BLACK
PT40206	4/0-250 Str. 250-300 Comp	4/0	.522-.575	#4-250 Str. Al. #5-4/0 ACSR	.232-.575		2/0 Sol. (.365")	6 (152.4)	1-7/8 (47.75)	PINK
PT349406	300-350 Str. 350-400 Comp	336-18/1	.618-.684	#1-350 Str. #1-336-18/1	.328-.684		4/0 Sol. (.460")	6 (152.4)	1-7/8 (47.75)	NONE
PT300506	250-300 Str. 300-350 Comp.	4/0 266-18/1	.564-.630	3/0-300 Str. 3/0-266.8-18/1	.464-.630	ANDERSON-VC6FT VC6500 & VC63 EEI13A; ALCOA-13AH BURNDY-316,655,705 KEARNEY-1-1/8 T&B-96 BLACKBURN B80 ea.	4/0 Sol. (.460")	6 (152.4)	2-7/8 (73.15)	NONE
PT350506	300-350 Str. 350-400 Comp.	266-6/7 336-18/1	.616-.684	3/0-350 Str. 3/0-336.4-18/1	.464-.684		4/0 Sol. (.460")	6 (152.4)	2-7/8 (73.15)	NONE
PT400506	336-400 Str. 500 Comp. Str.	336-36/1 397-18/1	.666-.743	4/0-400 Str. 4/0-397-18/1	.522-.743		4/0 Sol. (.460")	6 (152.4)	2-7/8 (73.15)	NONE
PT500506	450-500 Str. 600 Comp. Str.	397-18/1 477-18/1	.743-.814	4/0-500 Str. 4/0-477-18/1	.522-.814		4/0 Sol. (.460")	6 (152.4)	2-7/8 (73.15)	NONE
PT800756	700-800 Str. 1000 Comp. Str.	605-26/7 715-36/1	.964-1.031	600-800 Str. 605-36/1-715-36/1	.891-1.031	ANDERSON VC8 BURNDY 301, 342, 608, 724, 786 KEARNEY-1 1/2 ALCOA-24 AH T&B-125	3/4 (.750")	6 (152.4)	2-7/8 (73.15)	NONE

DF 4

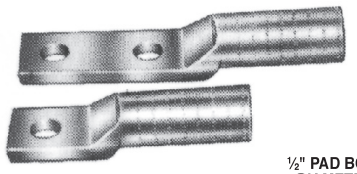
VERSAtile™ ALUMINUM COMPRESSION TERMINAL TYPE VAUL

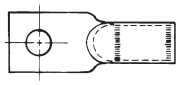
ALUMINUM
VAUL

- For use with either VERSA-CRIMP® or conventional compression tools.
- Meets ANSI C 119.4 Class A performance on aluminum and ACSR conductor, minimum tension.
- Meets ANSI C 119.4 Class C performance on copper conductor, minimum tension.
- Connector barrels are prefilled with "Versa-Seal®" rubber compatible inhibitor and sealed with color coded (thru 4/0) end caps.
- Metal marked to indicate recommended conductors and crimp dies.

Material: Aluminum

Note: Add Suffix "TP" for tin plated lugs.





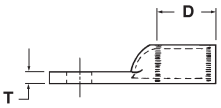


FIGURE 1

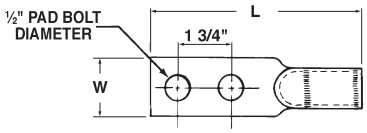


FIGURE 2

Product Data & Conductor Size

CATALOG NUMBER	FIG. NO.	CONDUCTOR RANGE AWF OR MCM						CRIMP DIES/ VC-TOOL	COLOR CODE	DIMENSIONS INCHES (MM)				APPROX. WT. EACH LBS. (KG.)	I.D. INCHES (MM)
		VERSA-CRIMP® SYSTEM		CONVENTIONAL TOOLING RANGE											
		INCHES DIA. RANGE	CABLE RANGE	INCHES DIA. RANGE	ACSR	STRANDED (SOLID)	COMPACT			L	W	D	T		
VAUL812	1	.146 thru .162	#8 STR AL-CU (#6 SOL)	.146 thru .162	—	#8 AL-CU (#6 SOL)	—	VC6350 VC6 VC6FT EEI8A BURNDY BG. 243 KEARNEY 5/8 T&B TU.52 BLACK-BURN 5/8	GREEN	3.06 (77.7)	.90 (22.8)	1.25 (31.7)	.27 (6.8)	.087 (0.04)	.186 (4.8)
VAUL612	1	.146 thru .204	#8 STR #4 SOL AL-CU #6 ACSR	.184 thru .204	#6 (6/1)	#6 AL-CU (#4 SOL)	—		BLUE	3.06 (77.7)	.90 (22.8)	1.25 (31.7)	.27 (6.8)	.076 (0.04)	.233 (5.9)
VAUL412	1	.146 thru .268	#8 STR - #2 SOL AL-CU #6-#4 ACSR #6-#2 COMP	.232 thru .268	#4 (6/1), (7/1)	#4 AL-CU (#2 SOL)	#2		ORANGE	3.06 (77.7)	.90 (22.8)	1.25 (31.7)	.27 (6.8)	.074 (0.03)	.281 (7.1)
VAUL412BN	2									4.80 (121.9)	1.00 (25.4)		.31 (7.8)	.129 (0.06)	.281 (7.1)
VAUL112	1	.146 thru .332	#8 STR. #1 STR AL-CU #6-#2 ACSR #6-#1 COMP	.292 thru .332	#2 (6/1), (7/1)	#2-#1 AL-CU	#1		RED	3.06 (77.7)	.90 (22.8)	1.25 (31.7)	.27 (6.8)	.069 (0.03)	.355 (9.0)
VAUL112BN	2									4.80 (121.9)	1.00 (25.4)		.31 (7.8)	.129 (0.06)	.355 (9.0)
VAUL1012	1	.146 thru .398	#8 STR-1/0 STR AL-CU #6-1/0 ACSR #6-2/0 COMP	.336 thru .398	1/0 (6/1)	1/0 AL-CU	1/0-2/0		YELLOW	3.06 (77.7)	.90 (22.8)	1.25 (31.7)	.27 (6.8)	.065 (0.03)	.416 (10.6)
VAUL1012BN	2									4.80 (121.9)	1.00 (25.4)		.31 (7.8)	.120 (0.05)	.416 (10.6)
VAULH612	1	.146 thru .204	#8 STR. #4 SOL AL-CU #6 ACSR	.169 thru .204	#6 (6/1)	#6 AL-CU (#4 SOL)	#6	VC6350 VC6 VC6FT EEI11A BURNDY K840 249 KEARNEY 840 T&B TX, 76 BLACK-BURN 840 B49EA	BLUE	3.25 (82.5)	.96 (24.2)	1.43 (36.3)	.25 (6.4)	.135 (0.06)	.218 (5.5)
VAULH412	1	.146 thru .258	#8 STR-#2 SOL AL-CU #6-#4 ACSR #6-#4 COMP	.213 thru .258	#4 (6/1), (7/1)	#4 AL-CU (#2 SOL)	#4		ORANGE	3.25 (82.5)	.96 (24.2)	1.43 (36.3)	.25 (6.4)	.132 (0.06)	.272 (6.9)
VAULH112	1	.146 thru .332	#8 STR-#1 AL-CU #6-#2 ACSR #6-#1 COMP	.268 thru .332	#2 (6/1), (7/1)	#2-#1 AL-CU	#2 - #1		RED	3.25 (82.5)	.96 (24.2)	1.43 (36.3)	.25 (6.4)	.127 (0.06)	.340 (8.6)
VAULH112BN	2									5.75 (146.0)	1.25 (31.7)	1.87 (47.5)	.25 (6.4)	.224 (0.10)	.340 (8.6)
VAULH1012	1	.213 thru .398	#4 STR-1/0 AL-CU #4-1/0 ACSR #4-2/0 COMP	.336 thru .398	1/0 (6/1)	1/0 AL-CU	1/0-2/0		YELLOW	3.25 (82.5)	.96 (24.2)	1.43 (36.3)	.25 (6.4)	.121 (0.05)	.412 (10.5)
VAUL-H1012BN	2									5.75 (146.0)	1.25 (31.7)	1.87 (47.5)	.25 (6.4)	.217 (0.10)	.412 (10.5)
VAUL2012	1	.213 thru .447	#4 STR-2/0 AL-CU #4-2/0 ACSR #4-3/0 COMP	.414 thru .447	2/0(6/1)	2/0 AL-CU	3/0		GRAY	3.25 (82.5)	.96 (24.4)	1.43 (36.3)	.25 (6.4)	.116 (0.05)	.472
VAUL2012BN	2									5.75 (146.0)	1.25 (31.7)	1.87 (47.5)	.25 (6.4)	.209 (0.09)	.472

Continued on next page.

TYPE VAUL ALUMINUM COMPRESSION TERMINAL (CONTINUED)

Product Data & Conductor Size

CATALOG NUMBER	FIG. NO.	CONDUCTOR RANGE AWF OR MCM						CRIMP DIES/ VC-TOOL	COLOR CODE	DIMENSIONS INCHES (MM)				AP-PROX. WT. EACH LBS. (KG.)	I.D. INCH-ES (MM)
		VERSA-CRIMP® SYSTEM		CONVENTIONAL TOOLING RANGE											
		INCHES DIA. RANGE	CABLE RANGE	INCHES DIA. RANGE	ACSR	STRANDED (SOLID)	COM-PACT			L	W	D	T		
VAUL3012	1	.213 thru .502	#4 STR-3/0 AL-CU #4-3/0 ACSR #4-4/0 COMP	.464 thru .502	3/0 (6/1)	3/0 AL-CU	4/0	VC6350 VC6 VC6FT EEI11A BURNDY K840 249 KEARNEY 840 T&B TX, 76 BLACKBURN 840 B49EA	BLACK	3.25 (82.5)	.96 (24.4)	1.43 (36.3)	.25 (6.4)	.109 (0.05)	.534
VAUL3012BN	2									5.75 (146.0)	1.25 (31.7)	1.87 (47.5)	.25 (6.4)	.200 (0.09)	.534
VAUL4012	1	.213 thru .575	#4 STR-250 AL-CU #5-4/0 ACSR #4-300 COMP	.520 thru .575	4/0 (6/1)	4/0-250 AL-CU	250-300		PINK	3.25 (82.5)	.96 (24.4)	1.43 (36.3)	.25 (6.4)	.101 (0.05)	.595
VAUL4012BN	2									5.75 (146.0)	1.25 (31.7)	1.87 (47.5)	.25 (6.4)	.190 (0.09)	.595
VAUL25012	1	.336 thru .575	1/0-250 STR AL-CU 1/0-4/0 ACSR 1/0-300 COMP	.563 thru .575	4/0 (6/1)	250 AL-CU	300	VC6350 VC6 VC6FT EEI12A BURNDY 251 KEARNEY 29/32 T&B TH,87 BLACKBURN B61EA	—	4.59 (116.6)	1.25 (31.7)	2.44 (62.0)	.37 (9.4)	.260 (0.12)	.605
VAUL25012BN	2									6.34 (161.0)	1.25 (31.7)	2.44 (62.0)	.37 (9.4)	.339 (0.15)	.605
VAUL30012	1	.376 thru .630	2/0-300 STR AL-CU 2/0-266.8 (18/1) ACSR 2/0-350 COMP	.609 thru .630	266.8 (18/1)	300 AL-CU	350		—	4.59 (116.6)	1.25 (31.7)	2.44 (62.0)	.37 (9.4)	.247 (0.11)	.660
VAUL30012BN	2									6.34 (161.0)	1.25 (31.7)	2.44 (62.0)	.37 (9.4)	.326 (0.15)	.660
VAUL35012	1	.376 thru .684	2/0-350 STR AL-CU 2/0-336.4 (18/1) ACSR 2/0-400 COMP	.659 thru .684	336.4 (18/1)	336-350 AL-CU	400		—	4.59 (116.6)	1.25 (31.7)	2.44 (62.0)	.37 (9.4)	.234 (0.11)	.711
VAUL35012BN	2									6.34 (161.0)	1.25 (31.7)	2.44 (62.0)	.37 (9.4)	.312 (0.14)	.711
VAUL36012	1	.475 thru .684	4/0-350 STR AL-CU 4/0-336.4 (18/1) ACSR 4/0-400 COMP	.609 thru .684	266.8 (18/1), (26/7) 336.4 (18/1)	300-350 AL-CU	350-400	VC6 VC6FT EEI13A BURNDY 316, 472 655, 705 KEARNEY 1-1/8 T&B 96 BLACKBURN B80EA	—	4.444 (112.8)	1.25 (31.7)	2.37 (60.2)	.37 (9.4)	.273 (0.12)	.738
VAUL36012BN	2									6.18 (157.0)	1.25 (31.7)	2.37 (60.2)	.37 (9.4)	.344 (0.16)	.738
VAUL40012	1	.475 thru .743	4/0-400 STR AL-CU 4/0-397.5 (18/1) ACSR 4/0-500 COMP	.679 thru .743	336.4 (18/1), (26/7), (30/7) 397.5(18/1)	350-400 AL-CU	450-500		—	4.444 (112.8)	1.25 (31.7)	2.37 (60.2)	.37 (9.4)	.258 (0.12)	.791
VAUL40012BN	2									6.18 (157.0)	1.25 (31.7)	2.37 (60.2)	.37 (9.4)	.329 (0.15)	.791
VAUL50012	1	.520 thru .814	4/0-500 STR AL 4/0-477 (18/1) ACSR 250-600 COMP	.772 thru .814	397.5 (24/7), (26/7) 477 (18/1), (36/1)	450-500 AL	550-600		—	4.444 (112.8)	1.25 (31.7)	2.37 (60.2)	.37 (9.4)	.243 (0.11)	.843
VAUL50012BN	2									6.18 (157.0)	1.50 (38.1)	2.88 (73.1)	.37 (9.4)	.390 (0.18)	.843
VAUL60012BN	2	.609 thru .879	300-600 STR AL 266.8-556.5 (18/1) ACSR 350-700 COMP	.845 thru .893	477 (24/7), (26/7) 556.5 (36/1), (18/1)	550-600 AL	650-700	VC6FT VC8 EEI14A BURNDY 317, 327, 719 KEARNEY 1-5/16 T&B 106 BLACKBURN B20AH	—	6.87 (174.5)	1.37 (34.8)	3.00 (76.2)	.56 (14.2)	.550 (0.25)	.924
VAUL75012BN	2	.806 thru .988	500-750 STR AL 477-715.5 (36/1) ACSR 600-800 COMP	.908 thru .998	556.5 (30/7) 636 (18/1) 605 (24/7), (26/7) 715.5 (36/1)	700-750 AL	750-800		—	6.87 (174.5)	1.37 (34.8)	3.00 (76.2)	.56 (14.2)	.503 (0.23)	1.028
VAULH50012BN	2	.520 thru .814	4/0-500 STR AL-CU 4/0-477 (18/1) ACSR 250-600 COMP	.743 thru .814	397.5 (18/1), (24/7), (27/7), (30/7) 477 (36/1), (18/1)	450-500 AL-CU	550-600	VC8 BURNDY 301, 724, 786 KEARNEY 1-1/2 T&B 140 ALCOA 24AH	—	7.25 (184.2)	1.60 (40.6)	3.19 (81.0)	.63 (16.0)	.898 (0.41)	.843
VAULH70012BN	2	.659 thru .966	350-700 STR AL 336.4-666.6 (18/1) ACSR 400-800 COMP	.891 thru .966	556.5 (24/7), (26/7) 605 (24/7), (26/7), (36/1) 636 (18/1), (36/1)	600-700 AL	750-800		—	7.25 (184.2)	1.60 (40.6)	3.19 (81.0)	.63 (16.0)	.827 (0.38)	1.000
VAUL80012BN	2	.806 thru 1.031	500-800 STR AL 477-715.5 (36/1) ACSR 600-900 COMP	.964 thru 1.031	636 (24/7), (26/7) 666.6 (24/7) 715.5 (36/1)	700-800 AL	900		—	7.25 (184.2)	1.60 (40.6)	3.19 (81.0)	.63 (16.0)	.796 (0.36)	1.062
VAUL100012BN	2	.908 thru 1.152	650-1000 STR AL 836-954 (36/1) ACSR 750-1000 COMP	1.092 thru 1.152	795 (24/7), (26/7) 900 (45/7) 954 (36/1)	900-1000 AL	—		—	7.25 (184.2)	1.60 (40.6)	3.19 (81.0)	.63 (16.0)	.726 (0.33)	1.188

Crimping Die Information VCEL

Catalog Number VCEL	ANDERSON™ VERSA-CRIMP® COMPRESSION TOOLS (Crimps per Connection)						CONVENTIONAL COMPRESSION DIE TOOLING (Crimps per Connection)					
		VERSA-CRIMP® Tools (Number of Crimps)							Burndy Longi-tudinal Indent (Crimps)	Kearney (Crimps)	Thomas & Betts (Crimps)	
	V-C Tools Wire Range	†VC6500	VC6350	VC6 ①	VC6 FT	VC8 AL NIBS	Wire Size	② Die Color* Code	Tools Y35 Y39 Y45 Die	Tools "WH" Die	Tools TBM5 TBM8 Die	Hyd. Tools 12, 15 20 & 40 Ton Die
-021	#8-1/0 Str. AL/CU	2	2	1	1		1/0 Str. AL/CU	Tan	U25ART① (1)		Tan (2 O'lap)	45 (1)
-022	#1-2/0 Str. AL/CU	3	3 O'lap	2 O'lap	2 O'lap		2/0 Str. AL/CU	Blue	U30ART (1)	29/32 or 1 † (1)		76H or 83H (2)
-024	2/0-4/0 Str. AL/CU	3	3 O'lap	2 O'lap	2 O'lap		4/0 Str. AL/CU	Blue	U30ART (1)	29/32 or 1 † (1)		76H or 83H (2)
-030	#4-300 MCM AL/CU	3	3 O'lap	2 O'lap	2 O'lap		300 MCM AL/CU	Blue	U30ART (1)	29/32 or 1 † (1)		76H or 83H (2)
-035	250-350 MCM AL	3	O'lap	2 O'lap	2 O'lap		350 MCM AL	Blue	U30ART (1)	29/32 † (1)		76H (2)
-050	2/0 - 500 MCM AL/CU	4	O'lap	2	2		500 MCM AL/CU	Green	U32 ART (2)	1-1/8 - 1 (2 O'lap) or 1-1/8 - 2 †(2)		94H (3)
-060	400-600 MCM AL 500 MCM CU				2	2	600 MCM AL	Pink	UM or U34ART (2)	1-1/4 + † (2)		†106H (3)
-075	500-750 MCM AL 500 MCM CU				2	2	750 MCM AL	Pink	U34ART (2)	1-1/4 + † (2)		† 106H (3)
-100	750-1000 MCM AL					3	1000 MCM AL	None	BURNDY TOOLS/DIES (VCEL - 100 ONLY)			
									Y48B Tool		Y486RB Tool	
									Die	Nest Indentor	Die	Nest Indentor
									C44AR (2)	C46D (1) Y48PR-1	F44AR (2)	F46D (1) Y48PR-1

+ WH-2 Tool ONLY
† Before making first crimp, make certain that the edge of the die block is located to clear the back edge of the "VCEL" tongue.
① Partial crimp. Crimp dies extend beyond the end of the crimp barrel.
② Color code is for Anderson and Burndy dies only. Use the recommended die number (NOT die color) for Kearney & T&B Hyd. Tools/Dies.
** Not UL Listed-pending completion of test.*

VACL/VACS/VACT—Anderson/Burndy

Catalog Number VACL (3) VACS (4) VACT (4)	ANDERSON™ VERSA-CRIMP® COMPRESSION TOOLS (Crimps per Connection)						CONVENTIONAL COMPRESSION DIE TOOLING (Crimps per Connection)												
		VERSA-CRIMP Tools (Number of Crimps)							Burndy (Crimps)							Burndy Indentor Tools (1 Crimp)			
	V-C Tools Wire Range (AWG or MCM)	*VC6 500	VC6 350	VC6 (1)	VC6 FT (1)	VC8 AL NIBS	Wire Size (AWG or MCM)	Die Color Code (2)	Die Index No.	Tool Y34A Die	Tools Y35 Y39 Die	Tool Y34B Die	Tool Y48B Die	Tool Y486RB Die	Tool MY-29 Die	Tool Y34A (Indentor) Nest	Tool Y34B (Indentor) Nest	Tool Y48B (Indentor) Nest	Tool Y486RB (Indentor) Nest
-8	#8 AL/CU	1	1				#8 AL/CU	Blue	374		U8CABT (2)				#8 (1)				
-6	#6 AL/CU	1	1				#6 AL/CU	Gray	346	A6CAB (1)	U6CABT (1)	B6CD (1)			#6 (1)	A4CD (Y34PA)	B4CD (Y34PA)		
-4	#4 AL/CU	2	2				#4 AL/CU	Green	375	A4CAB (1)	U4CABT * (1)	B4CD (1)	C4CAB (1)		#4 (1)	A1CD (Y34PA)	B1CD (Y34PA)		
-2	#6-#2 AL/CU	2	2	2	2		#2 AL/CU	Pink	348	A2CAB (1)	U2CABT (1)	B2CD (1)			#2 (2)	A26D (Y34PA)	B26D (Y34PA)		
-1	#8-#1 AL/CU	2	2	2	2		#1 AL/CU	Tan	296	A25AR (1)	U25ART * (1)	B1CD (1)			#1 (2)	A27D (Y34PR-5)	B27D (Y34PR-5)		
-1/0	#8-1/0 AL/CU	2	2	2	2		1/0 AL/CU	Tan	296	A25AR (1)	U25ART * (1)	B25D (1)			1/0 (2)	A27D (Y34PR-5)	B27D (Y34PR-5)		
-2/0	#4-2/0 AL/CU	2	2	2	2		2/0 AL/CU	Olive	297	A26AR (2)	U26ART (2)	B26D (1)			2/0 (2)	A29D (Y34PR-5)	B29D (Y34PR-5)		
-3/0	#4-3/0 AL/CU	2	2	2	2		3/0 AL/CU	Ruby	467	A27AR (2)	U27ART (2)	B27D (1)			3/0 (2)	A30D (Y34PR-5)	B30D (Y34PR-5)		
-4/0	#2-4/0 AL/CU	3	3	2	2		4/0 AL/CU	White	298	A28AR (2)	U28ART (2)	B28D (1)	C28AR (1)	F28AR (1)	4/0 (2)	A31D (Y34PR-5)	B31D (Y34PR-5)		
-250	1/0-250 AL/CU	3	3	2	2		250 AL/CU	Red	324	A29AR (2)	U29ART (2)	B29D (1)	C29AR (1)	F29AR (1)		A32D (Y34PR-5)	B32D (Y34PR-5)		
-300	1/0-300 AL/CU	3	3	2	2		300 AL/CU	Blue	470	A30AR (2)	U30ART (2)	B30D (2)	C30AR (1)	F30AR (1)		A34D (Y34PR-11)	No Die	C34D (Y48PR-1)	F34D (Y48PR-1)
-350 (1)	2/0-350 AL/CU	4		3	3		350 AL/CU	Brown	299		U31ART (2)	B31D (2)	C31AR (1)	F31AR (1)				C35D (Y48PR-1)	F35D (Y48PR-1)
-400 (1)	3/0-400 AL/CU	5		4 O'lap	4 O'lap		400 AL/CU	Green	472		U32ART (4)	B32D (2)	C32AR (2)	F32AR (2)				C36D (Y48PR-1)	F36D (Y48PR-1)
-500 (1)	4/0-500 AL/CU	7		4 O'lap	4 O'lap		500 AL/CU	Green	472		U32ART (4)	No Die Required (2)	C32AR (2)	F32AR (2)					
-600	350 - 600 AL 350 - 500 CU				4	3	600 AL	Pink	300		U34ART (4)		C34AR (2)	F34AR (2)					
-750	500 - 750 AL 500 CU				4	3	750 AL	Pink	300		U34ART (4)		C34AR (2)	F34AR (2)					
-1000	750-1000 AL					3	1000 AL	Brown	302				C44AR (2)	F44AR (2)				C46D (Y48PR-1)	F46D (Y48PR-1)

+ TBM-8 Tool ONLY
★ Anderson HC-12 Dies, Burndy's Y-35 Dies and Blackburn's JB-12 Dies are interchangeable.
(1) "VACL" Lug sizes -350 to -500 take 1 less crimp (VC6 Tools) than shown.
(2) Color code is for Anderson and Burndy dies only. Use the recommended die number (NOT die color) for Blackburn, Kearney & T&B Hyd. Tools/Dies.
(3) The "VACL" lugs are qualified for UL "HV" applications.
(4) The "VACS" sleeves and "VACT" tee connectors are for AL to AL or AL to CU connections ONLY. (NOT for CU to CU connections).
** Not UL Listed-pending completion of test.*

VACL/VACS/VACT—Anderson/Others

Catalog Number VACL (3) VACS (4) VACT (4)	ANDERSON™ VERSA-CRIMP® COMPRESSION TOOLS (Crimps per Connection)						CONVENTIONAL COMPRESSION DIE TOOLING (Crimps per Connection)										
	V-C Tools Wire Range (AWG or MCM)	VERSA-CRIMP Tools (Number of Crimps)					Wire Size (AWG or MCM)	Die Color Code (2)	Blackburn (Crimps)		Kearney (Crimps)				Thomas & Betts (Crimps)		
									Tool OD-58	Tool JB-12A		Tools (No. of Crimps)			Tools TBM5 TBM8	12 Ton Hyd. Tool	15 Ton Hyd. Tool
		*VC6 500	VC6 350	VC6 (1)	VC6 FT (1)	VC8 AL NIBS			Die	Die	Die	O-52	WH-1 PH-1	WH-2 PH-2	Die	Die	Die
-8	#8 AL/CU	1	1				#8 AL/CU	Blue	BY17C (2)	B73CH (1)	1/4	(2)			Blue (1)	24 (1)	24 (1)
-6	#6 AL/CU	1	1				#6 AL/CU	Gray	BY19C (3)	B74CH (1)	5/16	(3)	(1)	(1)	Gray (2)	29 (2)	29 (2)
-4	#4 AL/CU	2	2				#4 AL/CU	Green	BY21C (3)	U4CABT * (1)	3/8	(3)	(2)	(2)	Green (2)	37 (2)	37 (2)
-2	#6-#2 AL/CU	2	2	2	2		#2 AL/CU	Pink	BY23C (3)	BO6CH (1)	1/2	(3)	(2)	(2)	Pink (2)	45 (2)	45 (2)
-1	#8-#1 AL/CU	2	2	2	2		#1 AL/CU	Tan	BY23C (4)	U25ART * (1)	9/16	(4)	(2)	(2)	Tan (2)	50 (2)	50 (2)
-1/0	#8-1/0 AL/CU	2	2	2	2		1/0 AL/CU	Tan	BY25C (4)	U25ART * (1)	9/16	(4)	(2)	(2)	Tan (2)	50 (2)	50 (2)
-2/0	#4-2/0 AL/CU	2	2	2	2		2/0 AL/CU	Olive	BY31C (4)	B09CH (2)	5/8-1	(4)	(3)	(3)	Olive (2)	54 (1)	54H (2)
-3/0	#4-3/0 AL/CU	2	2	2	2		3/0 AL/CU	Ruby	BY27C (5)	B26CH (2)	11/16	(5)	(3)	(3)	Ruby (2)	62 (1)	62 (1)
-4/0	#2-4/0 AL/CU	3	3	2	2		4/0 AL/CU	White	BY35C (5)	B10CH1 (2)	781	(5)	(3)	(3)	+White (4)	71H (3)	71H (3)
-250	1/0-250 AL/CU	3	3	2	2		250 AL/CU	Red	BY37C (5)	B11CH (2)	840	(5)	(3)	(3)	+Red (5)	76H (3)	76 (2)
-300	1/0-300 AL/CU	3	3	2	2		300 AL/CU	Blue		B61EA (1)	29/32		(2)	(2)	+Blue (5)	87H (3)	87H (3)
-350 (1)	2/0-350 AL/CU	4		3	3		350 AL/CU	Brown		B12CH1 (2)	1-1/8-1		(2)	(2)	+Brown (5)	94H (3)	94H (3)
-400 (1)	3/0-400 AL/CU	5		4 O'lap	4 O'lap		400 AL/CU	Green		B80EA (2)	1-1/8-1		(2)	(2)		99H (3)	99H (3)
-500 (1)	4/0-500 AL/CU	7		4 O'lap	4 O'lap		500 AL/CU	Green		B80EA (3)	1-1/8-2		(2)	(2)		96H (4)	96 (2)
-600	350 - 600 AL 350 - 500 CU				4	3	600 AL	Pink		B20AH (3)	1-5/16			(4)		106H (5)	106H (5)
-750	500 - 750 AL 500 CU				4	3	750 AL	Pink		B20AH (3)	1-5/16			(4)		106H (5)	106H (5)
-1000	750-1000 AL					3	1000 AL	Brown									

+ TBM-8 Tool ONLY
★ Anderson HC-12 Dies, Burndy's Y-35 Dies and Blackburn's JB-12 Dies are interchangeable.
(1) "VACL" Lug sizes -350 to -500 take 1 less crimp (VC6 Tools) than shown.
(2) Color code is for Anderson and Burndy dies only. Use the recommended die number (NOT die color) for Blackburn, Kearney & T&B Hyd. Tools/Dies.
(3) The "VACL" lugs are qualified for UL "HV" applications.
(4) The "VACS" sleeves and "VACT" tee connectors are for AL to AL or AL to CU connections ONLY. (NOT for CU to CU connections).
** Not UL Listed-pending completion of test.*

VERSAtile™ COPPER COMPRESSION TERMINAL TYPE VCELC

COPPER
VCELC

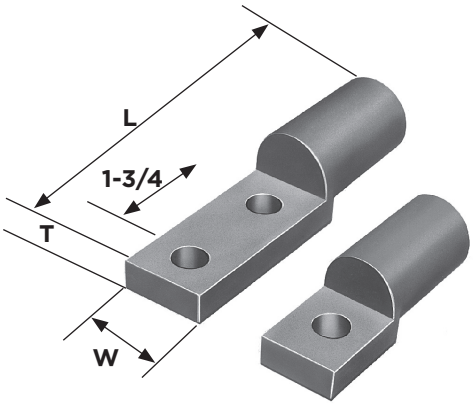


FIG. 2 FIG. 1

- For use with either VERSA-CRIMP® or conventional compression tools.
- Compact design for use in molded case equipment where space is limited.
- For use with copper stranded conductor only.
- Color coded bands for easy die selection.

Material: Copper Tin Plated

Note: For additional 2-hole or 1-hole sizes, contact factory.

LISTED 261L

Product Data & Conductor Size

CATALOG NUMBER	FIGURE NUMBER	CONVENTIONAL TOOLING	VERSA-CRIMP® SYSTEM RANGE	VERSA-CRIMP® TOOL TYPE	PAD BOLT DIAMETER	DIMENSIONS INCHES (MM) L	W	T	APPROX. WT. EACH LBS. (KG.)
VCELC03038H1	1	300 MCM Cu	2/0-300 MCM Cu	VC63 VC7 VC6FT VC7FT	3/8 (9.5)	2.260 (57.4)	1.0 (25.4)	.281 (7.1)	.293 (.133)
VCELC05012H1	1	500 MCM Cu	250-500 MCM Cu		1/2 (12.7)	3.40 (86.4)	1.187 (30.1)	.500 (12.7)	.562 (.230)
VCELC05012H2	2	500 MCM Cu	250-500 MCM Cu		1/2 (12.7)	5.040 (128.0)	1.187 (30.1)	.500 (12.7)	.84 (.38)
VCELC07512H1	1	750 MCM Cu	400-750 MCM Cu	VC6FT VC7FT & VC8	1/2 (12.7)	3.650 (92.7)	1.30 (33.0)	.500 (12.7)	.703 (.319)

Refer to page DF-19 for recommended tool and die information.

HIGH VOLTAGE APPLICATIONS—All Aluminum/Copper and Copper Lugs (VCEL, VACL, VHCL, VHCS and VCELC) are rated at 34.5 KV. The other U.L. Listed compression connectors (VACS, VACT, VCCT, VHSS and VHS) have a maximum UL voltage requirement of less than 2000 volts, however Anderson recommends these connectors for application through 34.5 KV subject to manufacturers' limitations for insulation material.
For further information, contact factory.

APPLICATION RECOMMENDATIONS WITH WELDING CABLE* FOR INSTALLATION WITH VC7 TOOLING ONLY

CATALOG NUMBER	WELDING CABLE RANGE
VCELC03038H1	#6-259 Str. #4-413 Str. #3-532 Str. #2-651 Str. #1-819 Str.
VCELC05012H1 VCELC05012H2	1/0-1026 Str. 2/0-1292 Str.
VCELC07512H1	3/0-1653 Str. 4/0-2071 Str.

** Not U.L. listed—U.L. does not recognize Welding Cable for commercial wiring.*

VCELC

CATALOG NUMBER VCELC	ANDERSON™ VERSA-CRIMP® COMPRE						CONVENTIONAL COMPRESSION DIE TOOLING (Crimps Per Connection)						
		VERSA-CRIMP® Tools (Number of Crimps)A							Burndy (Crimps)	Burndy (Crimps)	Kearney (Crimps)	Thomas & Bet	
	V-C Tools Wire Range (Copper Only)	VC6	VC6 -FT	VC7	VC7 -FT	VC8 AL NIBS	Copper Wire Size	Die Color Code	Tool Y35 and Y39 Die	Tool MD-6 Die	Tools "WH" Die	Tools TBM5 TBM8 Die	Hyd. Tools 12, 15 20 & 40 Ton Die
030	2/0-300 MCM	2 Overlap	2 Overlap	3 Overlap	3 Overlap		300MCM	Blue	U30ART ◊ (1)		29/32 or 1 (1)		76H or 83H (2)
050	250-500 MCM	2	2	3	2		500 MCM	Green	U32ART ◊ (2)		1-1/8-1 + ◊ (2 O'lap) 1-1/8-2+ ◊ (2)		94H (3)
075	400-750 MCM		2		2	2	750 MCM	Pink	U-M or U34ART ◊ (2)		1-1/4 (2)		106H (3)

Note 1
+ WH-2 Tool only.
◊ Before making first crimp, make certain that the edge of the die block is located to clear the back edge of the "VCELC" tongue.
** Partial crimp. Crimp dies extend beyond the end of the crimp barrel.*
NOTE: "VCELC" copper equipment terminals cannot be used with type VC6350 tools.

DF 11

APPLICATION RECOMMENDATIONS WITH WELDING CABLE *FOR INSTALLATION WITH VC7 TOOLING ONLY

CATALOG NUMBER	NUMBER OF CRIMPS	WELDING CABLE RANGE	CATALOG NUMBER	NUMBER OF CRIMPS	WELDING CABLE RANGE
VCELC03038H1	3 Overlap	#6-259 STR #4-413 STR #3-532 STR #2-651 STR #1-819 STR	VCELC05012H1	3	1/0-1026 STR 2/0-1292 STR
			VCELC07512H1	3	3/0-1653 STR 4/0-2071 STR

Note 2
** Not U.L. Listed—U.L. does not recognize Welding Cable for commercial wiring.*

HUBBELL

DISTRIBUTION CONNECTORS

SECTION DG

TOOLS

Fargo "Speed" Hand Wrenches

Cable Reel Grounding Systems

Anderson® Versa-Crimp® Tools & Accessories

DISTRIBUTION TOOLS SERIES GP
FARGO CONNECTOR WRENCHES

- Design optimized for lineman use – handle separates both ends. (GP201-204 & GP216 are 1 piece style – see note)
- Specially constructed for proper and fast installation of mechanical connectors in utility distribution applications

Sturdy polypropylene handle provides protection from incidental end-to-end or energized line contact (all models except as noted).

Nine available wrench heads.

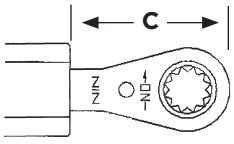


Figure 1
Ratchet

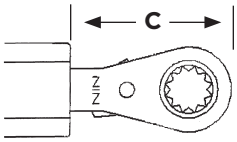


Figure 2
Rev. Ratchet

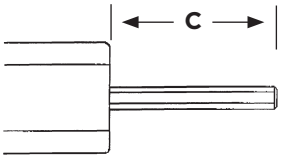


Figure 3
Allen Bar

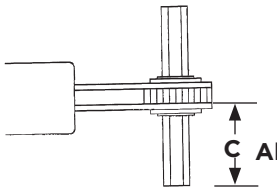


Figure 4
Allen Ratchet

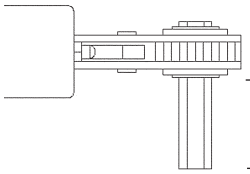


Figure 5
Rev. Allen Ratchet

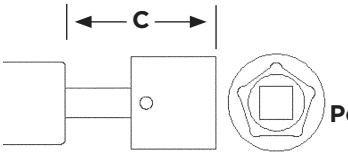


Figure 6
Penta Socket

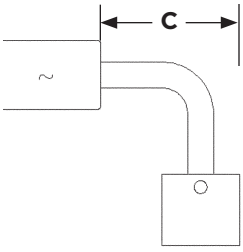


Figure 7
90° Penta Socket

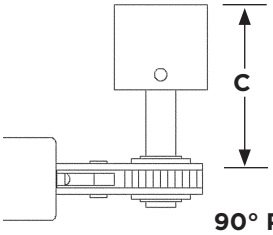


Figure 8
90° Penta Ratchet

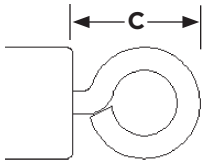


Figure 9
Eye Loop

Fargo Available Wrench Combinations:

CATALOG NUMBER	"A" END DESCRIPTION	FIGURE	C INCHES (MM)	"B" END DESCRIPTION	FIGURE	C INCHES (MM)	L APPROX. INCHES (MM)	WT. LB. (KG)
GP201*	3/8" Ratchet	1	one piece	9/16" Ratchet	1	one piece	6.75 (171.79)	0.75 (0.34)
GP203*	9/16" Ratchet	1	one piece	3/4" Ratchet	1	one piece	6.25 (159.06)	0.75 (0.34)
GP2031*	1/2" Ratchet	1	one piece	9/16" Ratchet	1	one piece	6.75 (171.79)	0.75 (0.34)
GP204*	11/16" Ratchet	1	one piece	15/16" Ratchet	1	one piece	9.25 (235.41)	0.75 (0.34)
GP216*	11/16" Ratchet	1	one piece	15/16" Ratchet	1	one piece	9.25 (235.41)	0.75 (0.34)
GP209	3/8" Allen Ratchet	4	1.21 (30.79)	Eye Loop	9	1.00 (25.45)	7.50 (190.88)	0.75 (0.34)
GP2090P	3/8" Allen Ratchet	4	1.21 (30.79)	Penta Socket	6	2.00 (50.90)	8.75 (222.69)	1.00 (0.45)
GP2090P4	3/8" Allen Ratchet	4	1.71 (43.52)	Penta Socket	6	2.00 (50.90)	8.75 (222.69)	1.00 (0.45)
GP2090P90	3/8" Allen Ratchet	4	1.21 (30.79)	90° Penta Socket	7	2.50 (63.63)	9.25 (235.41)	1.00 (0.45)
GP2091P	Penta Socket	6	1.91 (48.61)	Eye Loop	9	1.00 (25.45)	7.50 (190.88)	0.75 (0.34)
GP2091P90	90 Penta Socket	7	2.37 (60.32)	Eye Loop	9	1.00 (25.45)	8.00 (203.60)	0.75 (0.34)
GP2092M	3/8" Allen Ratchet	4	1.21 (30.79)	3/8" Allen Bar	3	1.25 (31.81)	8.00 (203.60)	0.75 (0.34)
GP2093	5/16" Allen Ratchet	4	1.46 (37.16)	Eye Loop	9	1.00 (25.45)	7.75 (197.24)	0.75 (0.34)
GP2093P	5/16" Allen Ratchet	4	1.46 (37.16)	Penta Socket	6	2.00 (50.90)	9.00 (229.05)	1.00 (0.45)
GP2093P90	5/16" Allen Ratchet	4	1.46 (37.16)	90° Penta Socket	7	2.50 (63.63)	9.25 (235.41)	1.00 (0.45)
GP209375P90	5/16" Allen Ratchet	4	0.75 (19.09)	90° Penta Socket	7	2.50 (63.63)	9.25 (235.41)	1.00 (0.45)

* *These wrenches do not have polypropylene handle.*

DISTRIBUTION TOOLS
SERIES GP FARGO
CONNECTOR WRENCHES (CONTINUED)

Fargo Available Wrench Combinations:

CATALOG NUMBER	"A" END DESCRIPTION	FIGURE	C INCHES (MM)	"B" END DESCRIPTION	FIGURE	C INCHES (MM)	L APPROX. INCHES (MM)	WT. LB. (KG)
GP210	3/16" Allen Bar	3	1.25 (31.81)	Eye Loop	9	1.00 (25.45)	6.75 (171.79)	0.50 (0.23)
GP2101	1/4" Allen Bar	3	1.88 (47.85)	Eye Loop	9	1.00 (25.45)	7.38 (187.82)	0.50 (0.23)
GP211	3/8" Allen Bar	3	1.25 (31.81)	Eye Loop	9	1.00 (25.45)	6.75 (171.79)	0.50 (0.23)
GP212	5/16" Allen Bar	3	1.25 (31.81)	Eye Loop	9	1.00 (25.45)	6.75 (171.79)	0.50 (0.23)
GP221	3/8" Ratchet	1	2.25 (57.26)	9/16" Ratchet	1	2.25 (57.26)	9.00 (229.05)	0.75 (0.34)
GP2210	3/8" Ratchet	1	2.25 (57.26)	7/16" Ratchet	1	2.25 (57.26)	9.00 (229.05)	0.75 (0.34)
GP2212	1/2" Ratchet	1	2.25 (57.26)	9/16" Ratchet	1	2.25 (57.26)	9.00 (229.05)	0.75 (0.34)
GP2213	5/16" Ratchet	1	2.00 (50.90)	3/8" Ratchet	1	2.00 (50.90)	8.50 (216.33)	0.75 (0.34)
GP2213AR	3/8" Allen Ratchet	4	1.21 (30.79)	5/16" Allen Ratchet	4	1.21 (30.79)	9.00 (229.05)	0.75 (0.34)
GP2214	3/8" Ratchet	1	2.00 (50.90)	1/2" Ratchet	1	2.00 (50.90)	8.50 (216.33)	0.75 (0.34)
GP2215P	3/8" Reversible Ratchet	2	2.25 (57.26)	Penta Socket	6	2.00 (50.90)	8.75 (222.69)	1.00 (0.45)
GP223	9/16" Ratchet	1	2.25 (57.26)	3/4" Ratchet	1	2.25 (57.26)	9.00 (229.05)	0.75 (0.34)
GP2231	9/16" Ratchet	1	2.25 (57.26)	11/16" Ratchet	1	2.25 (57.26)	9.00 (229.05)	0.75 (0.34)
GP2232	3/4" Ratchet	1	2.25 (57.26)	11/16" Ratchet	1	2.25 (57.26)	9.00 (229.05)	0.75 (0.34)
GP2233	9/16" Ratchet	1	2.25 (57.26)	5/8" Ratchet	1	2.25 (57.26)	9.00 (229.05)	0.75 (0.34)
GP2234	1/2" Ratchet	1	2.25 (57.26)	5/8" Ratchet	1	2.25 (57.26)	9.00 (229.05)	0.75 (0.34)
GP2235	5/8" Ratchet	1	2.25 (57.26)	11/16" Ratchet	1	2.25 (57.26)	9.00 (229.05)	0.75 (0.34)
GP2236	5/8" Ratchet	1	2.25 (57.26)	13/16" Ratchet	1	2.75 (69.99)	9.50 (241.78)	0.75 (0.34)
GP2237	5/8" Ratchet	1	2.25 (57.26)	3/4" Ratchet	1	2.25 (57.26)	9.00 (229.05)	0.75 (0.34)
GP2238	3/4" Ratchet	1	2.25 (57.26)	13/16" Ratchet	1	2.75 (69.99)	9.50 (241.78)	0.75 (0.34)
GP224	3/4" Ratchet	1	2.25 (57.26)	7/8" Ratchet	1	2.75 (69.99)	9.50 (241.78)	1.00 (0.45)
GP2240	13/16" Ratchet	1	2.75 (69.99)	7/8" Ratchet	1	2.75 (69.99)	10.00 (254.50)	1.00 (0.45)
GP2241P90	13/16" Ratchet	1	2.75 (69.99)	90° Penta Socket	7	2.50 (63.63)	9.75 (248.14)	1.00 (0.45)
GP2242	11/16" Ratchet	1	2.25 (57.26)	15/16" Ratchet	1	2.75 (69.99)	9.50 (241.78)	1.00 (0.45)
GP2243	13/16" Ratchet	1	2.75 (69.99)	15/16" Ratchet	1	2.75 (69.99)	10.00 (254.50)	1.00 (0.45)
GP2245	7/8" Ratchet	1	2.75 (69.99)	15/16" Ratchet	1	2.75 (69.99)	10.00 (254.50)	1.00 (0.45)
GP239	5/16" Rev. Allen Ratchet	5	1.00 (25.45)	5/16" Rev. Allen Ratchet	5	1.00 (25.45)	9.00 (229.05)	1.00 (0.45)
GP240	5/16" Rev. Allen Ratchet	5	1.50 (38.18)	3/8" Rev. Allen Ratchet	5	1.38 (35.12)	9.00 (229.05)	1.00 (0.45)
GP240P1	3/8" Rev. Allen Ratchet	5	1.00 (25.45)	Penta Socket	6	2.00 (50.90)	8.75 (222.69)	1.00 (0.45)
GP241P	5/16" Rev. Allen Ratchet	5	1.50 (38.18)	Penta Socket	6	2.00 (50.90)	8.75 (222.69)	1.00 (0.45)
GP241P1	5/16" Rev. Allen Ratchet	5	2.00 (50.90)	Penta Socket	6	2.00 (50.90)	8.75 (222.69)	1.00 (0.45)
GP241P2	5/16" Rev. Allen Ratchet	5	1.00 (25.45)	Penta Socket	6	2.00 (50.90)	8.75 (222.69)	1.00 (0.45)
GP241P3	5/16" Rev. Allen Ratchet	5	2.50 (63.63)	Penta Socket	6	2.00 (50.90)	8.75 (222.69)	1.00 (0.45)
GP241P90	5/16" Rev. Allen Ratchet	5	1.50 (38.18)	90° Penta Socket	7	2.50 (63.63)	9.25 (235.41)	1.00 (0.45)
GP241PS58	5/16" Rev. Allen Ratchet	5	0.63 (15.91)	Penta Socket	6	2.00 (50.90)	8.75 (222.69)	1.00 (0.45)
GP241S	5/16" Rev. Allen Ratchet	5	1.50 (38.18)	Eye Loop	9	1.00 (25.45)	7.75 (197.24)	0.75 (0.34)
GP241S2	5/16" Rev. Allen Ratchet	5	1.00 (25.45)	Eye Loop	9	1.00 (25.45)	9.00 (229.00)	0.75 (0.34)
GP241S3GP	3/8" Rev. Allen Ratchet	5	1.00 (25.45)	Eye Loop	9	1.00 (25.45)	9.00 (229.00)	0.75 (0.34)
GP241S58	5/16" Rev. Allen Ratchet	5	0.63 (15.91)	Eye Loop	9	1.00 (25.45)	7.75 (197.24)	0.75 (0.34)
GP242P	5/16" Rev. Allen Ratchet	5	1.75 (44.54)	90° Penta Rev. Ratchet	8	2.75 (69.99)	9.00 (229.00)	1.00 (0.45)
GP242P1	3/8" Rev. Allen Ratchet	5	1.38 (35.12)	90° Penta Rev. Ratchet	8	2.75 (69.99)	9.00 (229.00)	1.00 (0.45)
GP242P2	5/16" Rev. Allen Ratchet	5	2.00 (50.90)	90° Penta Rev. Ratchet	8	2.75 (69.99)	9.00 (229.00)	1.00 (0.45)
GP243P	5/16" Rev. Allen Ratchet	5	1.00 (25.45)	90° Penta Socket	7	2.50 (63.63)	9.25 (235.41)	1.00 (0.45)
GP516A	5/16" Rev. Allen Ratchet	5	2.5 (63.5)	5/16" Allen Bar	3	2.36 (59.9)	9.11 (231.39)	0.50 (0.23)

"THE NUT RUNNER" — LINEMAN'S RATCHET WRENCH CAT. NO'S. GP3458 AND GP345812 FARGO DISTRIBUTION TOOLS

TOOLS
GP3458 "Nut Runner"

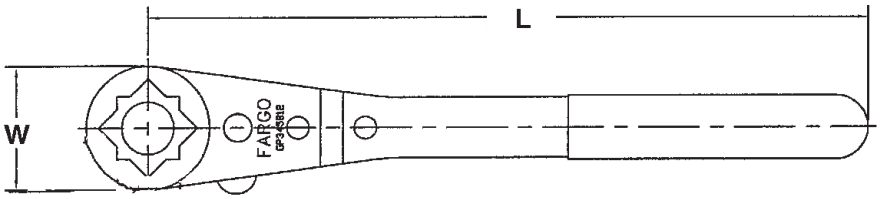
Features

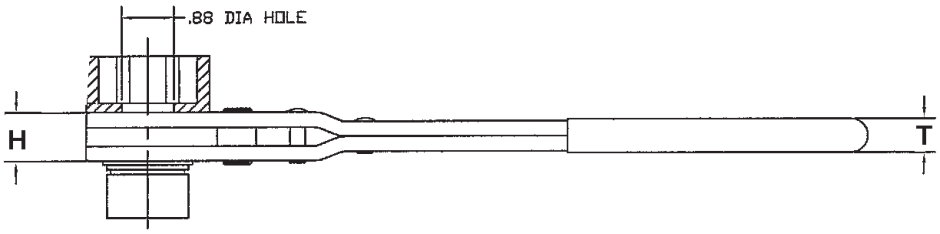
- Unique bolt thru socket
- 2 in 1 combination square socket (GP3458) fits nuts for both 5/8" & 3/4" machine bolts
- 3 in 1 combination square socket (GP345812 & GP345812C) fits nuts for 1/2", 5/8" & 3/4" machine bolts
- Reversible ratchet
- Heavy duty construction

Benefits

- Eliminate the need to use slower open-end wrenches.
- Quick and easy to use. No more inconvenient re-positioning.
- Ensures a dependable and long field life.

The Fargo "Nut Runner" Lineman's Ratchet Wrench provides a safe and easier way to tighten down long machine bolts. Developed to install equipment mounting bolts on utility poles, this tool makes slower, non-mechanical openend wrenches antiquated.



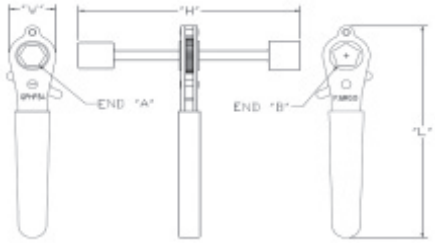


CATALOG NUMBER	DIMENSIONS INCHES (MM)				WT. LB. (KG)
	L	W	H	T	
GP3458	12.00 (304.8)	2.06 (52.3)	.81 (20.6)	.56 (14.2)	2.45 (1.11)
GP345812	12.00 (304.8)	2.06 (52.3)	.81 (20.6)	.56 (14.2)	2.53 (1.15)
GP345812C	9.36 (237.7)	2.06 (52.3)	.78 (19.8)	1.0 (25.4)	1.53 (0.69)

DG 3

DISTRIBUTION TOOLS
FARGO CONNECTOR WRENCHES
PAD MOUNT TRANSFORMER WRENCH

TOOLS
GPHP



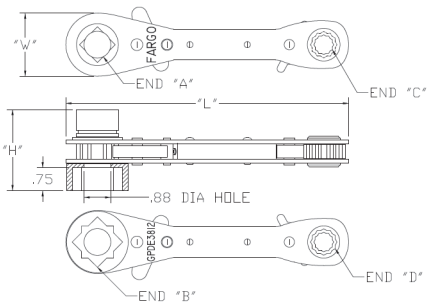
- For use with pad mount transformers.
- Penta socket to open the transformer and the hex wrench for miscellaneous hardware inside.
- The head is pinned to prevent spreading of the side plates.
- Reversable ratcheting design.
- Heavy duty construction.
- Torque tested to 90 lb-ft.
- Comfortable handle shape.

GPHP

CATALOG NUMBER	END DESCRIPTION		PHYSICAL WRENCH DIM, IN (MM)			WT. LB. (KG)
	A	B	L	W	H	
GPHP34	3/4" Hex Socket	7/8" Security Penta Socket	8.13 (206)	1.56 (40)	7.38 (187)	1.8 (0.8)

DISTRIBUTION TOOLS
FARGO CONNECTOR WRENCHES
PAD MOUNT TRANSFORMER WRENCH

TOOLS
GPDE



- Multi-Task wrench in popular sizes
- 3 in 1 combination square socket (Nut Runner).
- Unique bolt-through square socket fits nuts for 3/4", 5/8" and 1/2" machine bolts.
- 2 in 1 combination hex socket on opposite end. Hex socket for nuts on 3/8" or 1/2" bolts.
- Available in two lengths: standard and long.
- GPDE3812L is longer which allows more leverage for problematic hardware servicing.

GPDE

CATALOG NUMBER	END DESCRIPTION				PHYSICAL WRENCH DIM, IN (MM)			WT. LB. (KG)
	A	B	C	D	L	W	H	
GPDE3812	1/2" Square Nuts	5/8" & 3/4" Square Nuts	9/16", 12 pt Hex Socket	3/4", 12 pt Hex Socket	9.25 (235)	2.06 (52)	2.65 (67)	2.4 (1.1)
GPDE3812L	1/2" Square Nuts	5/8" & 3/4" Square Nuts	9/16", 12 pt Hex Socket	3/4", 12 pt Hex Socket	12.25 (311)	2.06 (52)	2.65 (67)	2.8 (1.3)

ANDERSON® VERSA-CRIMP® COMPRESSION SYSTEM

VERSA-CRIMP BENEFITS:

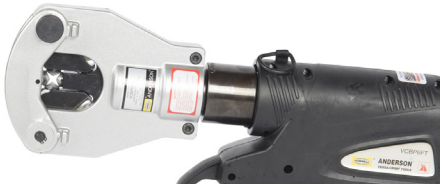
- One tool covers an entire range; simplified tool programs.
- No dies or die sets required; less tooling cost.
- ANSI C119.4 highest strength crimps, for Versa-Crimp and standard lugs, splices and terminals.

Anderson compression tools embody the only real innovation in compression tools since 1961. Prior to the introduction of VERSACRIMP® tools, all compression systems were die-type which required the matching of dies, connectors and conductors for suitable connections.

Instead of die-type "distance travel" systems, the VERSACRIMP pressure-response system utilizes four self-contained crimping nibs. These nibs advance from:

the largest opening

to



the smallest opening,

in a continuous action, until the combined pressure of conductor and connector mass interacts upon a pre-set hydraulic valve.

This difference in design principle, means only VERSA-CRIMP tools can handle the complete job of the entire tool range without changing compression die-sets.

The VERSA-CRIMP VC6FTSP tool, for example, performs in a very wide range of #10AL Str. through 750 MCM Al, with *no* change of die-sets or tool alterations.

from this large

to

this small

All tools have heads which rotate 360° for ease of application in any position. The pump block and handles are neoprene covered to help protect tool from accidental "brush" contact with energized conductors covered crimp heads are also available.

Extensive research and testing have developed a full complement of accessories which assure you of a dependable compatible system to satisfy your requirements. Miniaturization and the use of light weight alloy materials wherever practical, facilitate the utmost in versatility. All tools are covered by a two- or three-year limited warranty and we maintain an experienced staff to provide maintenance and repair with minimum inconvenience. Warranty details and maintenance requirements are supplied with each tool.

COMPRESSION CONNECTORS ANDERSON® VERSA-CRIMP® RANGE-TAKING SYSTEM

Along with a full line of range taking tools, Anderson manufactures a comprehensive line of range taking and extended range compression connectors for both utility distribution systems and construction/ industrial requirements. All of these connectors are rigidly tested to meet the respective requirements of NEMA and Underwriter's Laboratory, as well as ANSI C119.4 standards. Our exhaustive testing assures you product reliability and quality.

The unique action of VERSA-CRIMP® compression tools, and our range-taking system design of connectors, makes possible the application of a variety of conductor sizes within one common connector. VERSA-CRIMP is the only compression system which can provide comparable range-taking conveniences in compression connections previously limited to only mechanical set-screw lugs or bolted connections.

This VCSE44 aluminum sleeve typifies the VERSA-CRIMP system's range-taking capabilities. It has a conductor range of #10 solid (crimped on right) through 1/0 STR. AAC, ACSR or Cu. (at left).

Not only do we manufacture connectors for our unique VERSA-CRIMP tool, but we also manufacture connectors for conventional die type tooling as well. Our unique range-taking system offers versatility unmatched in the industry. This versatile system offers users flexibility in application and inventory, which translates into real-world benefits..

VERSAtile™ compression connectors have also been tested and are in compliance with NEMA or U.L. and ANSI C119.4 standards for compression connections when used with most Anderson, Blackburn, Burndy, Kearney and Thomas & Betts die or indent type tools (of course VERSA-CRIMP tools also) as listed.

Our continuous research and development assure you of a system as modern and flexible tomorrow as it is today.

ANDERSON® VERSA-CRIMP® BATTERY POWERED ACSR CUTTING TOOL TYPE BP18CC129ACSR

TOOL
BP18C-C129ACSR

For Use On:
- Copper Cable- up to 1.29 “(32.7 mm)
- Aluminum cable- up to 1.29”(32.7 mm)
- ACSR - up to 1113 ACSR
- Standard Guy Wire-up to 1/2 (12.7 mm)
- EHS Guy Wire-up to 3/8” (9.5 mm)
- Ground Rod-up to 5/8”(15.8 mm)
- Rebar- up to 1/2”(12.7 mm)
- Soft Steel Bolts- up to 5/8”(15.8 mm)
- 18 volt Lithium-Ion rechargeable batteries
- Latch type head rotates 180 degrees
- Comfortable overmolded handle balanced for one hand operation

Includes:
- 18-volt battery powered cable cutter tool
- Two 18-volt Lithium-Ion batteries
- AC charger - 30 minutes recharge
- High impact plastic case - ergonomic carrying design with storage.
- Lanyard strap
- Instruction manual and warranty card
- 5-year limited warranty on tool (excludes blades) with 1-year on batteries and charger

Approx. Wt. Each:
1 lbs. (4.9 kg) with Battery

Kit Shipping Wt.:
23 lbs. (10.s kg)

ACCESSORIES

Battery:

(3.0 AH) Hi-capacity	Cat.# BAT18VLI

Chargers:

120V-AC	Cat.# PATCHGR-LI
12/24-DC	Cat.# PATCHGR-LIDC
240/250V-AC	Cat.# PATCHGR-LI250V

Lanyard: Cat.# PT208620

ANDERSON® VERSA-CRIMP® HYDRAULIC COMPRESSION TOOL BATTERY OPERATED TYPE VCBP63

TOOL
VCBP63
AL/CU

Type VCBP63

- 18-volt Lithium-Ion rechargeable batteries
- Open head design allows for direct access to the connector in restricted areas.
- Four-nib dieless head with 360 degree rotation
- Crimps range-taking Versa-Crimp and Versatile connectors
- Comfortable overmolded handle balanced for one hand operation

Includes:
- 18-volt battery powered dieless crimp tool
- Two 18-volt 3.0 Ah Lithium-Ion batteries
- AC charger - 30 minutes recharge
- High impact plastic case - ergonomic carrying design with storage.
- Lanyard strap
- Instruction manual and warranty card
- 5-year limited tool warranty with 1-year on batteries and charger

Conductor Range:
#10 Str. - 750 MCM Al/Cu

Approx. Weight Each:
13.2 lbs. (5.9 kg.) with Battery

Kit Shipping Wt.:
25 lbs. (11.1 kg)

ACCESSORIES

Battery:

(3.0 AH) Hi-capacity	Cat.# BAT18VLI

Chargers:

120V-AC	Cat.# PATCHGR-LI
12/24-DC	Cat.# PATCHGR-LIDC
240/250V-AC	Cat.# PATCHGR-LI250V

Lanyard: Cat.# PT208620

TOOL
VCBP6FT

VERSA-CRIMP®
HYDRAULIC COMPRESSION TOOL
BATTERY OPERATED TYPE VCBP6FT

Type VCBP6FT

- 18-volt Lithium-Ion rechargeable batteries
- The flip-top latch provides clear and easy removal from larger connectors in limited areas
- Four-nib dieless head with 360 degree rotation
- Crimps range-taking Versa-Crimp and Versatile connectors
- Comfortable overmolded handle balanced for one hand operation

Includes:
- 18-volt battery powered dieless crimp tool
- Two 18-volt 3.0 Ah Lithium-Ion batteries
- AC charger - 30 minutes recharge
- High impact plastic case - ergonomic carrying design with storage.
- Lanyard strap
- Instruction manual and warranty card
- 5-year limited tool warranty with 1-year on batteries and charger

Conductor Range:
#10 Str. - 750 MCM Al/Cu

Approx. Wt. Each:
12.8 lbs. (5.7 kg.) with Battery

Kit Shipping Wt.:
24.5 lbs. (10.9 kg.)

ACCESSORIES

Battery:

(3.0 AH) Hi-capacity	Cat.# BAT18VLI

Chargers:

120V-AC	Cat.# PATCHGR-LI
12/24-DC	Cat.# PATCHGR-LIDC
240/250V-AC	Cat.# PATCHGR-LI250V

Lanyard:	Cat.# PT208620

VERSA-CRIMP®
HYDRAULIC COMPRESSION TOOL
HAND OPERATED TYPE VC63SP

TOOL
VC63SP
AL/CU

- Open Head design allows direct access to the connector in restricted areas.
- Two Stage Pump Design allows nibs to travel from full open to full close much faster.
- Ergonomic Case has handle at balance point making tool much easier to carry.
- Range: #10 stranded to 750 MCM AL/CU
- Head rotates 360°
- Repair parts available in kit form
- Direct Reading Pressure Gauge available
- 2-Year Warranty

What's in the Box:
Versa-Crimp® Tool
Ergonomic Case
Instruction/Parts Manual

Approx. Weight:
15.6 lbs. Gross
12.0 lbs. Tool Only

VERSA-CRIMP®
HYDRAULIC COMPRESSION TOOL
HAND OPERATED TYPE V6FTSP

TOOL
VC6FTSP
AL/CU

- The flip-top latch provides clear and easy removal from larger connectors in limited areas.
- Two Stage Pump Design allows nibs to travel from full open to full close much faster.
- Ergonomic Case has handle at balance point making tool much easier to carry.
- Range: #10 stranded to 750 MCM Al/CU
- Head rotates 360°
- Repair parts available in kit form
- Direct Reading Pressure Gauge available
- 2-Year Warranty

What's in the Box:
Versa-Crimp® Tool
Ergonomic Case
Instruction/Parts Manual

Approx. Weight:
15.6 lbs. Gross
12.0 lbs. Tool Only

VERSA-CRIMP®
HYDRAULIC COMPRESSION TOOL
HAND OPERATED TYPE VC7SP

TOOL
VC7SP
CU ONLY

- Open Head design allows direct access to the connector in restricted areas.
- Two Stage Pump Design allows nibs to travel from full open to full close much faster.
- Ergonomic Case has handle at balance point making tool much easier to carry.
- Range: #10 stranded to 750 MCM COPPER ONLY
- Head rotates 360°
- For compresing multi-strand/rope lay copper cable in mining, marine and industrial applications
- Copper label denotes copper connectors use only
- Repair parts available in kit form
- Direct Reading Pressure Gauge available
- 2-Year Warranty

Note: Due to high point pressure developed by this tool, it is not to be used on aluminum conductor or cable

What's in the Box:
Versa-Crimp® Tool
Ergonomic Case
Instruction/Parts Manual

Approx. Weight:
15.6 lbs. Gross
12.0 lbs. Tool Only

VERSA-CRIMP®
HYDRAULIC COMPRESSION TOOL
HAND OPERATED TYPE VC7FTSP

TOOL
VC7FTSP
CU ONLY

- The flip-top latch provides clear and easy removal from larger connectors in limited areas.
- Two Stage Pump Design allows nibs to travel from full open to full close much faster.
- Ergonomic Case has handle at balance point making tool much easier to carry.
- Range: #10 stranded to 750 MCM Al/CU
- Head rotates 360°
- For compresing multi-strand/rope lay copper cable in mining, marine and industrial applications
- Copper label denotes copper connectors use only
- Repair parts available in kit form
- Direct Reading Pressure Gauge available
- 2-Year Warranty
-

Note: Due to high point pressure developed by this tool, it is not to be used on aluminum conductor or cable

What's in the Box:
Versa-Crimp® Tool
Ergonomic Case
Instruction/Parts Manual

Approx. Weight:
15.6 lbs. Gross
12.0 lbs. Tool Only

VERSA-CRIMP®
HYDRAULIC COMPRESSION TOOL
REMOTE-POWER OPERATED TYPE VC6FTR

TOOL
VC6FTRSP
AL/CU

- 750 MCM Al/Cu Max. Range
- Flip-top latch provides clear and easy removal from larger connectors and in limited spaces.

Includes:
- 3/8" male quick coupler
- High impact plastic carrying and shipping case
- Service manual
- 2-Year Warranty

Type VC6FTR

Note: Operates from hydraulic pump delivering 10,400 psi.

Conductor Range:
#10 Str. – 750 MCM Al/Cu

Approx. Weight Each:
6 lbs. (2.7 kg.)

VERSA-CRIMP®
HYDRAULIC COMPRESSION TOOL
REMOTE-POWER OPERATED TYPE VC6R

TOOL
VC6RSP
AL/CU

- Open head design allows for direct access to the connector in restricted areas.
- Readily adaptable for energized line use.
- 750 MCM Al/Cu max.

Includes:
- 3/8" male quick coupler
- High impact plastic carrying and shipping case
- Service manual
- 2-Year Warranty

Type VC6R

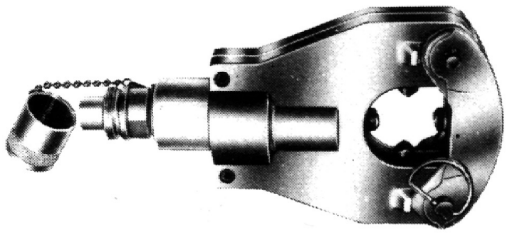
Note: Operates from hydraulic pump delivering 10,400 psi

Conductor Range:
#10 Str.—750 MCM Bare Al
#10 Str.—750 MCM Bare Cu

Approx. Weight Each:
5.5 lbs. (2.5 kg.)

VERSA-CRIMP®
HYDRAULIC COMPRESSION TOOL
REMOTE-POWER OPERATED TYPE VC7FTR

TOOL
VC7FTRSP
Copper



Type VC7FTR

- The flip-top latch provides clear and easy removal from larger connectors and in limited spaces.
- For compressing multi-strand/rope lay copper cable in mining, marine and industrial applications.
- Copper color label denotes use with copper connectors, only.

Includes:
- 3/8" male quick coupler
- Service manual
- High impact plastic carrying and shipping case
- 2 year warranty

Notes:
1) Due to high point pressure developed by this tool, it is not to be used on aluminum connector or cable.
2) Operates from hydraulic pump delivering 10,400 psi.

Conductor Range:
#10 Str.—750 MCM Cu

Approx. Weight Each:
6 lbs. (2.7 kg.)

VERSA-CRIMP®
HYDRAULIC COMPRESSION TOOL
REMOTE-POWER OPERATED TYPE VC7R

TOOL
VC7RSP
For Copper

Type VC7R

- Open head design allows for direct access to the connector in restricted areas.
- 750 MCM Max. Cu.
- For compressing multi-strand/rope lay copper cable in mining, marine and industrial applications.
- Copper color label denotes use with copper connectors, only.

Includes:
- 3/8" male quick coupler
- High impact plastic carrying and shipping case
- Service manual
- 2-Year Warranty

Notes:
1) Due to high point pressure developed by this tool, it is not to be used on aluminum connector or cable.
2) Operates from hydraulic pump delivering 10,400 psi.

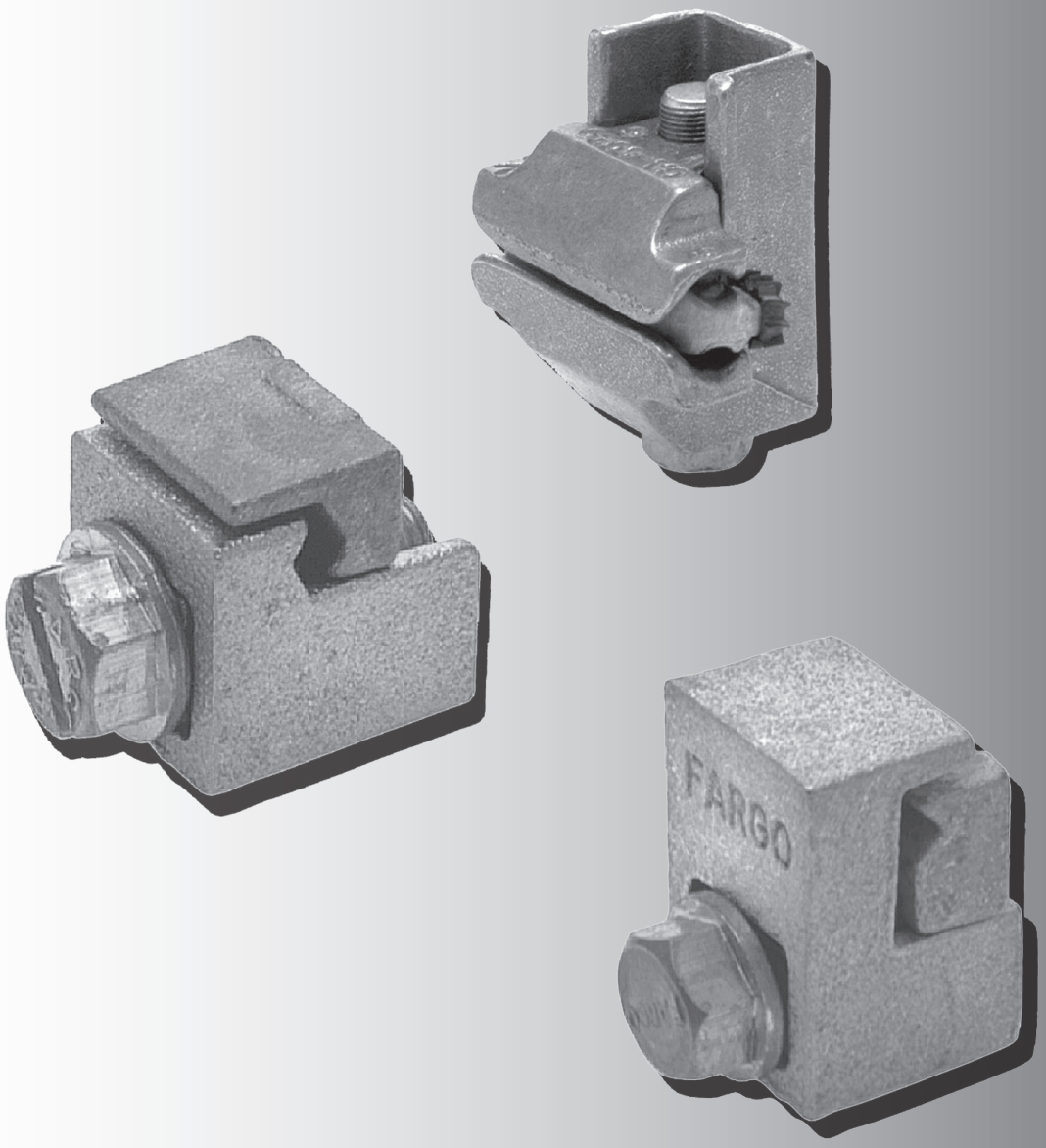
Conductor Range:
#10 Str.—750 MCM Cu only

Approx. Weight Each:
5.5 lbs. (2.5 kg.)

HUBBELL

DISTRIBUTION CONNECTORS

SECTION DH



TELECOM & GROUNDING CONNECTORS

Bronze Vise-Type Grounding

Bolted Grounding

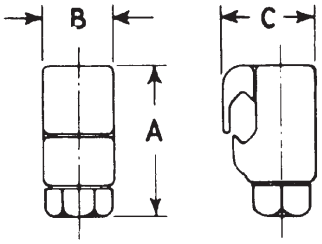
TELECOM & GROUND CONNECTORS
VISE TYPE BRONZE

BRONZE
GC5000

- For copper connections-splice, loop deadend or service entrance tap
- One piece design for easier, faster installation
- Bolt head design for use with standard ratchet wrench
- Vise design achieves high connector pressure with low wrench force
- Easily installs with live line and standard tools

Material: **Body** – Copper Base Alloy
Hardware – Stainless or Silicon Bronze Alloy

Note: For Tin Plated Connector, add "P" Suffix (See Notes).



Product Data & Conductor Size

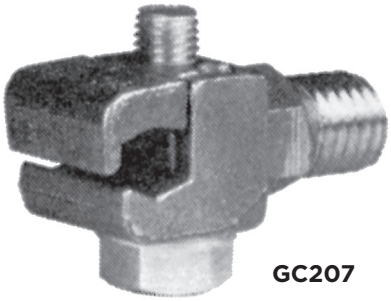
CATALOG NUMBER	CONDUCTOR RANGE		DIA. RANGE (2 COND. COMBO.)	DIMENSIONS INCHES (MM)			WT. LB. (KG)	BOLT HEAD (HEX)
	MAX. 2 CONDUC-TORS	MIN. 2 CONDUC-TORS	DIA. EA. COND. MAX. – MIN.	A	B	C		
GC5008SH*	#8 STR.	#11 SOL.	.146" - .091" (3.72-2.32)	7/8" (22.7)	5/8" (15.91)	5/8" (15.91)	.06 (.03)	3/8" (10)
GC5006	#6 SOL.	#10 SOL.	.162"-.101" (4.12-2.57)	1" (25.45)		3/4" (19.09)	.09 (.04)	
GC5006SH*								
GC5004†	#4 STR.	#8 SOL.	.232"-.128" (5.9-3.26)	1-1/4" (31.81)		7/8" (22.27)	.16 (.07)	9/16" (14)
GC5002†	#2 SOL.	#6 SOL.	.286"-.162" (7.28-4.12)	1-3/8" (34.99)	3/4" (19.09)	1" (25.45)	.18 (.08)	
GC5002S†	#2 STR.	#5 SOL.	.320"-.181" (8.14-4.61)	1-5/8" (41.36)				
GC5020†	1/0 STR.	#4 SOL.	.390"-.204" (9.93-5.19)	1-7/8" (47.72)		1-1/8" (28.63)	.28 (.13)	
GC5020S†	2/0 STR.	#3 SOL.	.438"-.229" (11.15-5.83)	2" (50.90)	7/8" (22.27)	1-1/4" (31.81)		
GC5040†	4/0 STR.	#1 SOL.	.552"-.289" (14.05-7.36)	2-1/8" (54.08)	1" (25.45)	1-3/8" (34.99)	.48 (.22)	

** SH suffix indicates a slotted hex-head bolt.*
Note: All connectors will accept one or two of the conductors listed and any combination in between.
For tin plated bronze connectors, add suffix "P" to catalog number (not available on GC5008SH, GC5006S & GC5006SH).
† For "Torque Head" bolts for permanent ground or concentric neutral applications, add suffix "O" to catalog number.

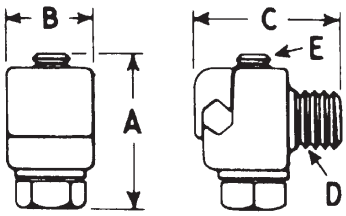
GROUNDING STUD, VISE TYPE BRONZE

BRONZE/ALUMINUM

GC200



GC207



GC207, GC209

Provides a permanent vibration proof connection. The large flat surface of the male casting provides secure mounting, while the "V" shaped conductor groove assures alignment of grounding connector.

- For grounding applications conductor to conductor or mounting plate to conductor.
- Provided with standard 1/2-13 thread studs and flat surfaces for easy one wrench installation.

Material: **Body** – Copper Alloy
Hardware – Stainless Steel

Product Data & Conductor Size

BRONZE GROUNDING CONNECTOR

CATALOG NUMBER	CONDUCTOR RANGE	DIMENSIONS INCHES (MM)					WT. LB. (KG)
		A	B	C	D	E	
GC207+	6 Sol. To 1/0 Str.	1-1/4 (31.81)	3/4 (19.09)	1-7/8 (47.72)	1/2 (12.73)	5/16 (7.95)	.21 (.10)
GC208+	4 Str. To 2/0 Str.	1-5/16 (33.40)	13/16 (20.68)	1-7/8 (47.72)	1/2 (12.73)	5/16 (7.95)	.29 (.13)
GC209*+	3 Sol. To 4/0 Str.	1-1/2 (38.18)	1-1/8 (28.63)	1-3/4 (44.54)	1/2 (12.73)	5/16 (7.95)	.40 (.18)

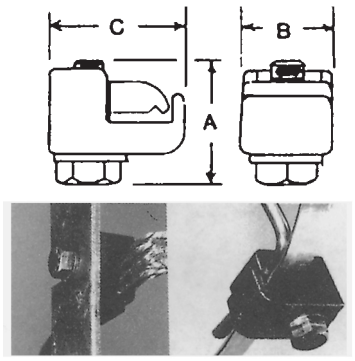
**GC209 is furnished with bronze jam nut on stud.*
Fargo recommends bronze connectors (GC207 though GC209) for copper ground conductors, and aluminum connectors.
+Add Suffix "P" for Tin Plated Connector.
NOTE: GA220 available for aluminum ground conductors.

TELECOM CONNECTORS
VISE TYPE BRONZE

BRONZE/ALUMINUM
GC100/GC200

For Bonding Ribbon, Braid and Tape
Bonding ribbon or braid to bonding ribbon, braid, conductor, or bus and tape to messenger.

CATALOG NUMBER	BONDING RIBBON OR BRAID		DIMENSIONS INCHES (MM)					WT. LB. (KG)
	CONNECT	TO	A	B	C	BOLT DIA.	BOLT WRENCH	
GC164 GC164P†	Ribbon or Braid	Ribbon, Braid, #6 or Bus	1 (25.45)	5/8 (15.90)	1 (25.45)	1/4 (6.36)	3/8 (10)	.12 (.05)

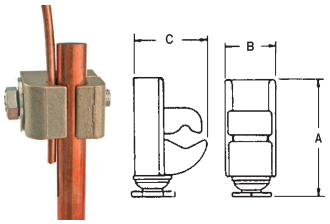


GC164

For Ground Rods
Conductor to ground rods, using vise-type compression connector.

CATALOG NUMBER	RANGE		DIMENSIONS INCHES (MM)					WT. LB. (KG)
	ROD DIA. IN. (MM)	CONDUCTOR	A	B	C	BOLT DIA.	BOLT WRENCH	
GC268†	1/4 – 5/8 (6.36-15.90)	6-1/0	2 (50.80)	1 (25.45)	1-3/8 (35.00)	3/8 (9.54)	9/16 (14)	.43 (.19)

** Torque head bolts available for tamperproof, removeable connection.*
† Complies with UL-467 and ETL listed

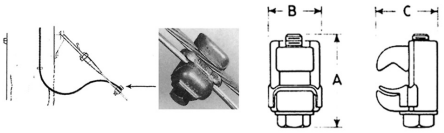


GC268

For Lashing Wire
Connect small diameter lashing wires to messengers.

CATALOG NUMBER	MESSENGER DIAMETER RANGE	LASHING WIRE	DIMENSIONS INCHES (MM)					WT. LB. (KG)
	CONNECT (MM)	TO	A	B	C	BOLT DIA.	BOLT WRENCH	
GC166 GC166P	.245" - .500" (6.23-12.73)	All Sizes	1-1/2 (38.18)	7/8 (22.26)	1 (25.45)	1/4 (6.36)	3/8 (10)	.16 (.07)

Suffix P- Plated Bronze

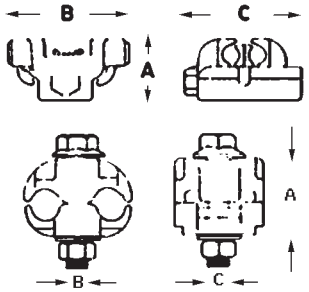


GC166

For Guy Strand
Aluminum bodied connectors for connecting galvanized or aluminum clad strand to copper conductors. Vise Type Parallel Connector.

CATALOG NUMBER	STRAND RANGE (IN.) (MM)	CONDUCTOR RANGE	DIMENSIONS INCHES (MM)			WT. LB. (KG)
			A	B	C	
GA9003L**	1/4 (6.36)	4-8	7/8 (22.26)	1-1/4 (31.81)	1-3/4 (44.54)	.17 (.08)
GA9002L**	1/4 – 3/8 (6.36-9.54)	4-8	1-1/8 (28.63)	1-7/8 (47.72)	2-1/8 (54.08)	.23 (.10)
PARALLEL GROOVE TYPE						
LC52AXB* ** LC522AXB†***	1/4 – 3/8 (6.36-9.54)	2/0 – 8	2-3/8 (60.44)	1-5/8 (41.36)	1-3/8 (35.00)	.20 (.09)

GA9000 Series



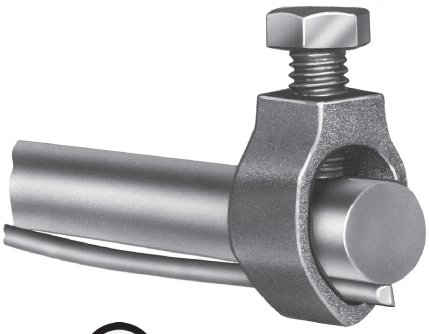
LC50 Series

** Inhibitor Protected and Individually Packaged – Standard*
† Bimetallic Liner on Tap Side – Copper
*** RUS Listed*

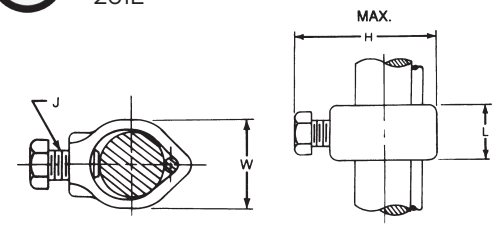
DH 3

BRONZE GROUNDING CONNECTOR WIRE TO ROD OR PIPE

BRONZE
GC/C203



LISTED
261L



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

- Suitable for Direct Burial

Material: **GC-Casting** – Bronze Alloy
Hardware – Stainless Steel
C203-Casting – Galvanized Steel
Hardware – Zinc Plated

Product Data & Conductor Size

CATALOG NUMBER	COPPER CABLE RANGE	ROD DIA.	DIMENSIONS INCHES (MM)				WT. LB. (KG)
			L	H	W	J	
GC4	#8 Sol.—#4 Str.	1/2"	5/8 (15.88)	1-7/8 (47.62)	13/16 (20.64)	3/8 (9.52)	.09 (.04)
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 Heavy Duty	#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 Heavy Duty	#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)

* *For silicon bronze bolt, order as "GC5".*

SPECIAL TELECOM VISE TYPE BRONZE GROUNDING APPLICATIONS

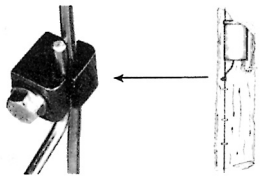
BRONZE

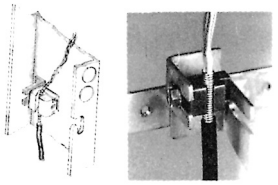
GC100/GC200/ GC5000

For copper to copper connections or conductor to conductor and conductor/cable sheath to bar.

Material: **Body** – Copper Alloy
Bolt – Stainless Steel or Silicon Bronze Slotted Head Hex

GC5000 Series



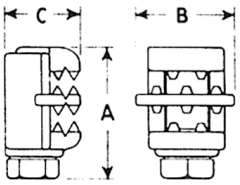


CATALOG NUMBER	RANGE				DIMENSIONS INCHES (MM)					WT. LB. (KG)
	CONDUCTOR COMBINATIONS		CABLE SHEATH BONDING					BOLT		
	RUN	TAP			A	B	C	DIA.	WRENCH	
GC271*†	4-6 4 Sol - 6 Str.	6-14	1 to 3	2 pair	1 (25.45)	5/8 (15.90)	3/4 (19.08)	1/4 (6.36)	3/8 (10)	.08 (.04)
GC5006SH*†	6	6-14	1 to 3	2 pair	1 (25.45)	5/8 (15.90)	3/4 (19.08)	1/4 (6.36)	3/8 (10)	.09 (.04)
GC5006†**	6	6-14	1 to 3	2 pair	1 (25.45)	5/8 (15.90)	3/4 (19.08)	1/4 (6.36)	3/8 (10)	.09 (.04)
GC5004†**	4	4-8	1 to 3 1	2 pair 5 pair	1-1/4 (31.81)	5/8 (15.90)	7/8 (22.26)	5/16 (7.95)	9/16 (14)	.16 (.07)
GC5002**	2	2-6	—	—	1-3/8 (35.00)	3/4 (19.08)	1 (25.45)	5/16 (7.95)	9/16 (14)	.18 (.08)

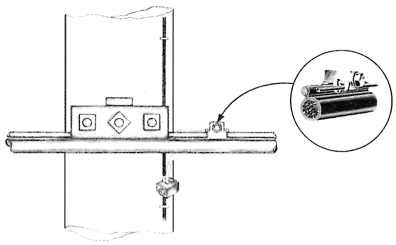
* *Slotted Head Bolt*
† *Complies with UL-467 and ETL listed*
** *RUS Listed*

For Figure 8 or IM Cable – Insulation Piercing
The piercing teeth of the connector puncture the messenger insulation during tightening to form a positive ground without skinning.

Material: **Body** – Copper Alloy
Hardware – Stainless Steel



GC167



CATALOG NUMBER	DIAMETER		DIMENSIONS INCHES (MM)					WT. LB. (KG)
	MESSENGER (MM)	GROUND TAP (MM)	A	B	C	BOLT DIA.	BOLT WRENCH	
GC167	.146" - .312" (3.71-7.94)	.146" - .312" (3.71-7.94)	1-5/8 (41.36)	1-1/4 (31.81)	1 (25.45)	5/16 (7.95)	9/16 (14)	.21 (.10)
GC167P								.21 (.10)

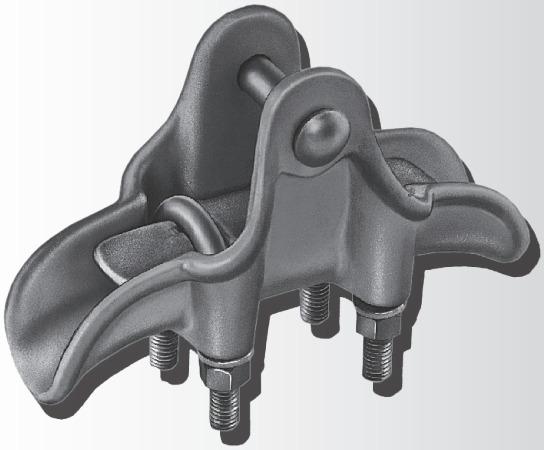
* *Suffix P — Tin-Plated Bronze*

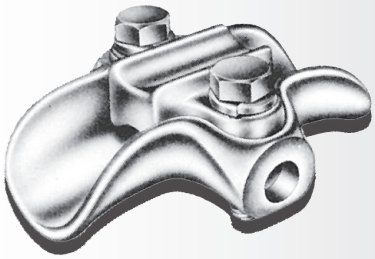
DH 5

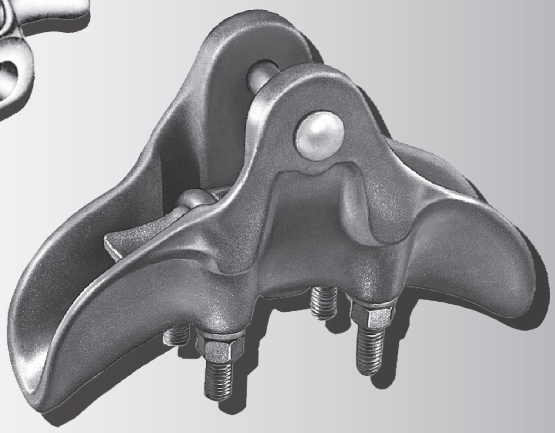
HUBBELL

DISTRIBUTION CONNECTORS

SECTION DI







OTHER DISTRIBUTION PRODUCTS

Wildlife Protectors

Sealants & Inhibitor Compounds

Duct Sealing Compounds

Tamperproof Equipment Locks

Secondary Line Spacers

Reference Tables

Suspension Clamps

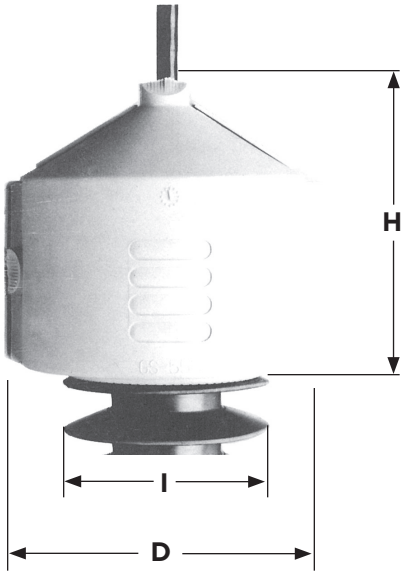
OTHER DISTRIBUTION
ONE PIECE WILDLIFE PROTECTOR

POLYPROPYLENE
GS Series

- Designed to provide protection for equipment bushing from accidental contact by squirrels, birds or other wildlife.
- Hinged construction for easy installation or retrofit on a variety of bushing insulators. Equipment tap wire does not have to be disconnected during installation.
- Flexible "fingers" on cable entry ports close around tap conductor and cover unused ports.
- Flexible "fingers" at base of protector provide a snug fit on various size bushings.

Material: Track resistant polypropylene stabilized with UV inhibitors for long term performance. Munsell gray color.

Note: GS565 is polyethylene with UV inhibitors. Munsell gray color.

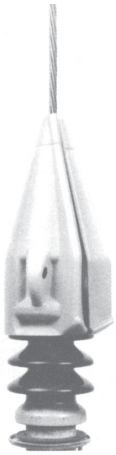


GS555 Series

Figure 1

GS560 Series

Figure 2



GS565 Series Δ

Figure 3

Ordering Information

CATALOG NUMBER	FIGURE NO.	BUSHING ACCOMMODATED	LATCH TYPE	DIMENSIONS INCHES (MM)			WT. LB. (KG)
				D	H	NOMINAL INSULATOR SKIRT DIAMETER	
GS555H	1	Distribution and Transformer Bushings	2 Washboard-Peg	5.38 (136.92)	6.18 (156.97)	3.75" to 5.25" (95.44 to 133.61)	.28 (.13)
GS560H	2	Distribution and Transformer Bushings	2 Pinch Latches, One Top Clasp	4.88 (124.20)	10.59 (268.99)	3.75" to 4.75" (95.44 to 120.59)	.48 (.21)
GS565	3	Transformer Bushings	1 Piece Slot Design-Snap Joint	4.25 (108.16)	9.75 (248.14)	3.25" to 4.25" (82.71 to 108.16)	.40 (.18)

OTHER DISTRIBUTION
ONE PIECE WILDLIFE PROTECTOR

POLYPROPYLENE
GS

GS567

Figure 1

GS570

Figure 2

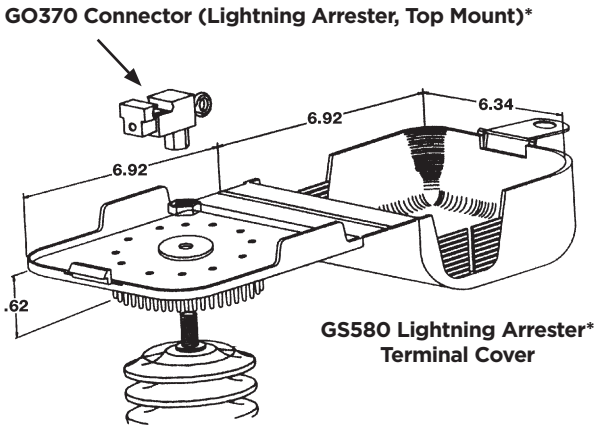


*Figure 3

Ordering Information

CATALOG NUMBER	FIGURE NO.	BUSHING ACCOMMODATED	DIMENSIONS INCHES (MM)			WT. LB. (KG)
			D	H	NOMINAL INSULATOR SKIRT DIAMETER	
GS567	1	Recloser, Regulator and Pot Head Bushings	6.38 (162.37)	10.50 (267.23)	5.00" to 6.25" (127.25 to 159.06)	.80 (.36)
GS570	2	Larger diameter bushings such as substation transformer & circuit breakers	8.12 (206.65)	13.75 (349.94)	6.75" to 8.00" (171.79 to 203.60)	1.21 (.55)
GS580	3	Covers Arrestor to Line Connection (Lightning Arrester)	6.34 X 6.92 (161.35 X 176.11)	5.00 (127.25)	Fits up to 6" Diameter Arrestor (153.70)	.40 (.18)

* *See also GC207LA or LAT Lightning Arrester Terminals for bottom side of lightning arresters.*

OTHER DISTRIBUTION
ONE PIECE WILDLIFE PROTECTOR

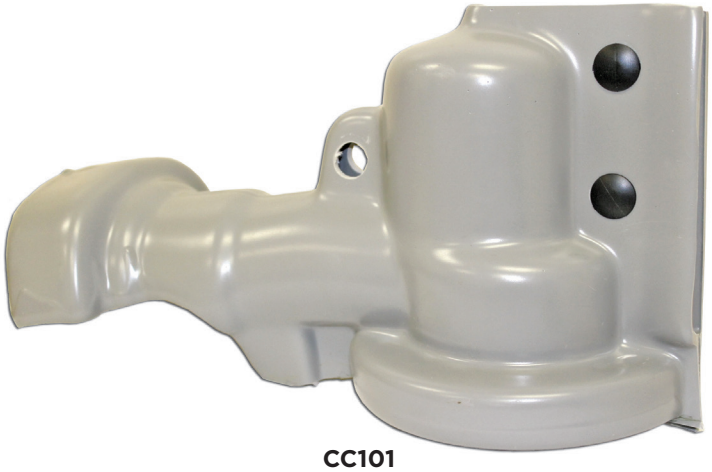
VINYL
CC101/CC170

- Designed to provide protection of cutouts from accidental contact by squirrels, birds or other wildlife.
- Universal one-piece design for easy installation or retrofit.
- Fits Chance® and other major manufacturer's cutouts. See sizes below.
- Fits both Polymer and Porcelain type cutouts.
- Has hot stick eye .
- Gray color

Material: Proprietary low track PVC that is UV stabilized for long-term performance.

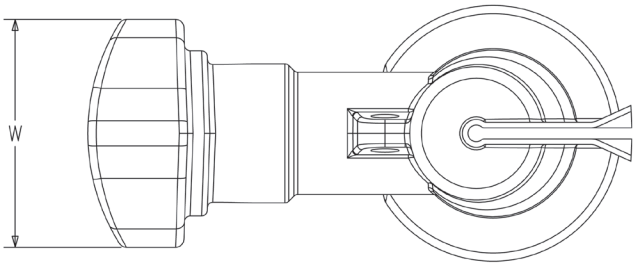
CC101EB

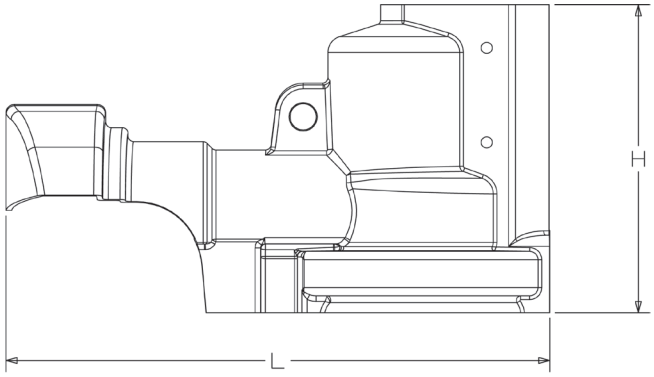
NOT INTENDED FOR USE AS A SAFETY DEVICE.



CC101

CC170





Ordering Information

CATALOG NUMBER	FITS CUTOUT SIZES (KV)	BIL RATING	HOT-STICK EYE (Y/N)	DIMENSIONS INCHES (MM)			GROSS WEIGHT LBS (KG)
				LENGTH	WIDTH	HEIGHT	
CC101*	15, 27	150	Y	11 (279.4)	5 (127)	7 (177.8)	1.31 (.59)
CC170	15, 27, 36	170	Y	12 (304.8)	5 (127)	7 (177.8)	1.48 (.67)

* *For Eyebolt version add "EB" suffix*

DI 3

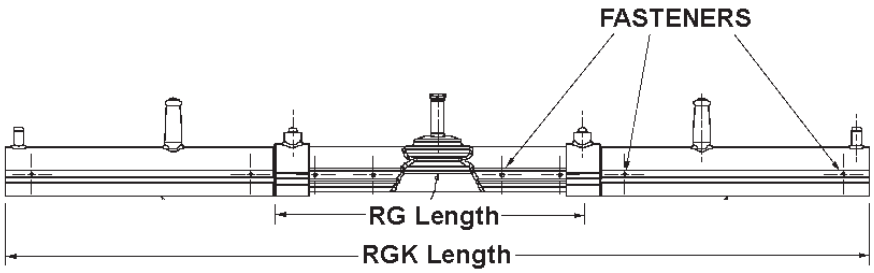
OTHER DISTRIBUTION
WILDLIFE PROTECT

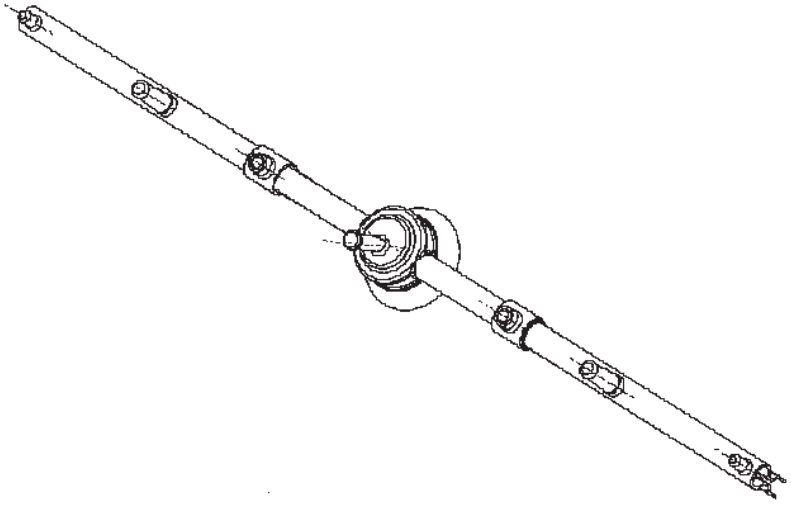
VINYL

RG100 series

- For use as raptor guard on insulators.
- For wildlife protection only.
- Each piece includes non-metallic fasteners for additional mechanical strength.

Material: **Body** – Proprietary, UV stabilized low track vinyl kits come pre-packaged in plastic bags.





Ordering Information

CATALOG NUMBER	INSULATOR SIZE	LENGTH INCHES (MM)	WEIGHT EA. LBS (KG)
RG101C	C-neck	24 (609)	1.1 (.50)
RG102F	F-neck	24 (609)	1.5 (.68)
RG103J	J-neck	26 (660)	5.5 (2.48)
RG101CK	C-neck	66 (1676)	4.1 (1.85)
RG102FK	F-neck	66 (1676)	4.5 (2.03)
RG103JK	J-neck	68 (1739)	8.5 (3.83)
RGE100	extension	23 (584)	1.5 (.68)

"K" suffix - Kit consists of insulator cover, two RGE100 extensions and fasteners

DISTRIBUTION/TRANSMISSION/SUBSTATION ELECTRICAL JOINT COMPOUND/INHIBITOR

DESCRIPTION
INHIBITORS

HTJC

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.

HTJC Inhibitor

CAT. NUMBER	TRADE NAME	DESC/SIZE	SERVICE TEMP.	TO BE USED ON: COMPRESSION	GROOVE/ BOLTED	PAD	COLOR
VS8HTJC	ANDERSON	8 OZ. PLASTIC BOTTLE	-40°F to +480°F (-40°C to 250°C)	●	●	●	GRAY
HTJC16	ANDERSON	CAULK TUBE	-40°F to +480°F (-40°C to 250°C)	●	●	●	GRAY

HTJCNG

HTJCNG utilizes the same synthetic base of HTJC without the grit.

- HTJCNG is recommended for flat-to-flat and grooved/bolted connections
- Helps prevent corrosion and oxidation by sealing out air and water
- Amber in color

HTJCNG Inhibitor

CAT. NUMBER	DESC/SIZE	SERVICE TEMP.	TO BE USED ON: COMPRESSION	GROOVE/ BOLTED	PAD	COLOR
HTJCNG4B	4 oz Bottle	-40 to 400 F		●	●	AMBER
HTJCNG8B	8 oz Bottle	-40 to 400 F		●	●	AMBER
HTJCNGQC	Quart can	-40 to 400 F		●	●	AMBER

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.

VS/VSG 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.	PET-ROL.	FINE CON-DUCT	GRITTED	NON GRIT-TED	
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

TAMPERPROOF EQUIPMENT LOCKS

LOCKS
GM300

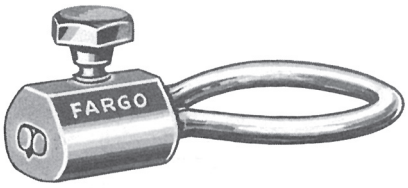
Designed for semi-permanent single-use locking of power pedestals, equipment housings, truck/trailer doors, etc.

Locks available in torque screw and pressed pin design.

Locks provide over 600 lb (272 Kg) pull strength.

Locks may be removed with bolt cutters or hacksaw.

Material: **Body** – Extruded alluminuim alloy
Ring – Alumoweld®
Bolt – Aluminum - (shears @ 60 in-lb torque)
Pin – Spring Steel



GM305

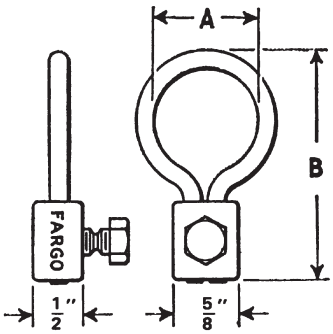


Figure 1

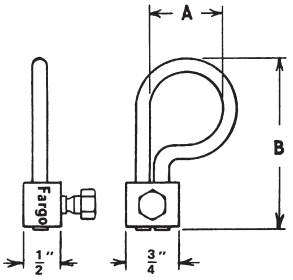


Figure 2

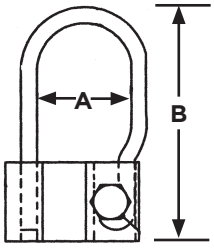


Figure 3

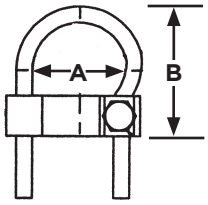


Figure 4

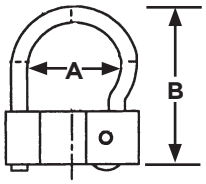


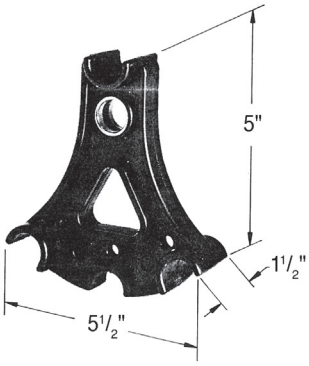
Figure 5

Ordering Information

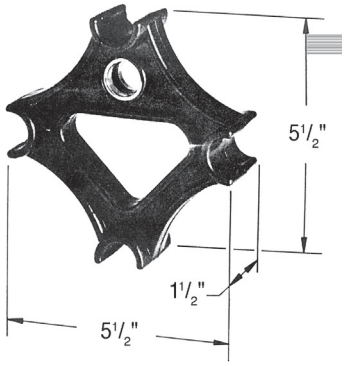
CATALOG NUMBER	FIGURE NO.	A (MM)	B (MM)	C (MM)	RING WIRE SIZE (MM)	FASTENER TYPE	WT LB (KG)
GM305	1	1" (25.45)	2 1/4" (57.26)	1/2 (12.73)	#6 (.162) (4.12)	Torque Screw	.06 (.03)
GM306	1	2" (50.90)	3 1/4" (82.71)	1/2 (12.73)	#6 (.162) (4.12)	Torque Screw	.07 (.03)
GM307	2	1" (25.45)	2 1/4" (57.26)	1/2 (12.73)	#6 (.162) (4.12)	Torque Screw	.06 (.03)
GM320	3	1" (25.45)	2 1/2" (63.63)	3/4 (19.09)	#4 (.204) (5.19)	Torque Screw	.12 (.03)
GM3203	3	1" (25.45)	3 1/4" (82.71)	3/4 (19.09)	#4 (.204) (5.19)	Torque Screw	.12 (.03)
GM321	4	1" (25.45)	2 1/2" (63.63)	3/4 (19.09)	#4 (.204) (5.19)	Torque Screw	.07 (.03)
GM322	5	1" (25.45)	2 1/2" (63.63)	3/4 (19.09)	#4 (.204) (5.19)	Pressed Pin	.11 (.05)
GM3223	5	1" (25.45)	3 1/4" (82.71)	3/4 (19.09)	#4 (.204) (5.19)	Pressed Pin	.12 (.03)

OTHER DISTRIBUTION LINE SPACERS

POLYETHYLENE
LINE SPACER



GO53



GO54

For Triplex and Quadruplex Conductors

- Provides simple and permanent spacing of secondary triplex or quadruplex conductor to ease installation of connectors or taps.
- Molded from high density polyethylene and stabilized with ultra violet inhibitors for superior long term performance.
- Wide radius conductor positions accommodate a range of triplex and quadruplex conductors. Diameter 0.75" each (both styles).
- Eyelet provides convenient attachment for service drop dead ends.

Ordering Information

CATALOG NUMBER	NO. CONDUCTORS	DIMENSIONS INCHES (MM)			WT LB (KG)
		L	W	H	
GO53	3	5-1/2 (139.98)	1-1/2 (38.18)	5 (127.25)	.27 (.12)
GO54	4	5-1/2 (139.98)	1-1/2 (38.18)	5 1/2 (139.98)	.28 (.13)

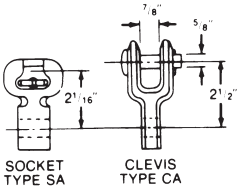
SUSPENSION
BRONZE CLAMP

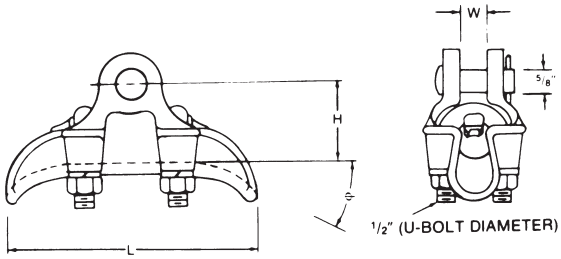
BRONZE
BRS

For use with copper or Copperweld® cable.

Through the use of these clamps hysteresis and eddy current power losses are reduced to a minimum. Liners are not required.

Material:
Body – High Tensile Bronze Alloy
Keeper – Electrical Bronze
***Hardware** – Galvanized Steel
Socket and Clevis – Ductile Iron, Galvanized
Cotter Pin – #302 Stainless Steel





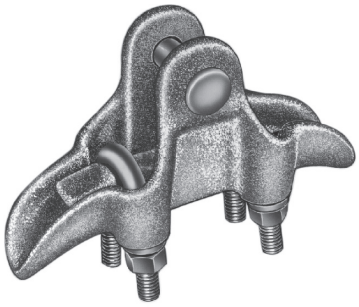
Product Data & Conductor Size

CATALOG NUMBER	FITTING		CLAMPING RANGE INCHES (MM)	ULTIMATE BODY STRENGTH LBS. (KN)	MAX. TAKE-OFF ANGLE	DIMENSIONS INCHES (MM)			APPROX. WT. EACH LBS. (KG)
	TYPE	CAT. NO.			o	L	W	H	
BRS60N BRS60S BRS60C	None Socket Clevis	— SA04 CA04	.20-.60 (5.08-15.24)	16,000 (71)	15°	6-1/2 (165.10)	3/4 (19.05)	2-1/4 (57.15)	2.9 (1.32) 4.4 (1.90) 4.5 (2.04)
BRS83N BRS83S BRS83C	None Socket Clevis	— SA06 CA06	.40-.83 (10.16-21.08)	18,000 (80)	15°	7-1/4 (184.15)	31/32 (24.6)	2-3/8 (60.33)	3.7 (1.68) 5.0 (2.27) 5.4 (2.45)
BRS100N BRS100S BRS100C	None Socket Clevis	— SA07 CA101	.625-1.00 (15.88-25.40)	22,000 (98)	15°	8 (203.20)	1-1/8 (28.58)	2-1/2 (63.50)	4.5 (2.04) 5.9 (2.68) 6.3 (2.81)
BRS118N BRS118S BRS118C	None Socket Clevis	— SA11 CA101	.70-1.18 (17.78-29.97)	25,000 (111)	20°	8 (203.20)	1-9/32 (32.55)	2-1/2 (63.50)	4.9 (2.22)

NOTE: Recommended torque on U-bolts; 1/2"—480 in. lbs.
** Bronze U-bolts, nuts and washers can be furnished by adding suffix "ED" to catalog number. Example, BRS60NED.*

SUSPENSION
DUCTILE IRON CLAMP

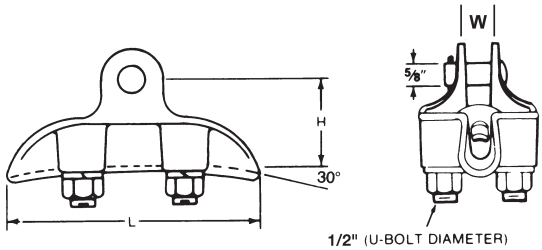
DUCTILE IRON
MS

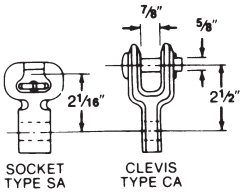


For ground wire application with galvanized steel cable with or without armor rods.

Type MS may also be used to suspend copper or Copperweld® cable. Magnetic induction heating will occur.

Material: **Body and Keeper** – Ductile Iron, Galvanized
Hardware – Galvanized Steel
Cotter Pin – #302 Stainless Steel





CLAMP RECOMMENDATIONS FOR GALVANIZED OVERHEAD GROUND WIRE

STEEL CABLE SIZE	BARE CONDUCTOR		FORMED ARMOR RODS	
	CLAMP CAT. NO.	DIAMETER INCHES (MM)	CLAMP CAT. NO.	DIAMETER INCHES (MM)
1/4"-7 Str.	MS46	.240 (6.10)	MS46	.412 (10.46)
5/16"-7 Str.	MS46	.312 (7.92)	MS60	.512 (13.00)
3/8"-7 Str.	MS46	.360 (9.14)	MS60	.560 (14.22)
7/16"-7 Str.	MS46	.435 (11.05)	MS82	.673 (17.09)
1/2"-7 Str.	MS60	.495 (12.57)	MS82	.771 (19.58)
5/8"-7 Str.	MS70	.621 (15.77)	—	—

Product Data & Conductor Size

CATALOG NUMBER	FITTING		CLAMPING RANGE INCHES (MM)	ULTIMATE BODY STRENGTH LBS. (KN)	DIMENSIONS INCHES (MM)			APPROX. WT. EACH LBS. (KG)
	TYPE	CAT. NO.			L	H	W	
MS46N	None	—	.20-.46 (5.08-11.68)	16,000 (71)	5-5/8 (142.88)	2 (50.8)	7/8 (22.2)	2.15 (.98)
MS46S	Socket	SA04						3.4 (1.54)
MS46C	Clevis	CA04						3.8 (1.73)
MS60N	None	—	.20-.60 (5.08-15.24)	16,000 (71)	6-7/16 (163.51)	2 (50.8)	7/8 (22.2)	2.65 (1.20)
MS60S	Socket	SA04						3.9 (1.77)
MS60C	Clevis	CA04						4.3 (1.95)
MS70N	None	—	.30-.70 (7.62-17.78)	18,000 (80)	6-3/8 (161.93)	2 (50.8)	15/16 (23.8)	2.90 (1.32)
MS70S	Socket	SA05						4.2 (1.91)
MS70C	Clevis	CA05						4.6 (2.09)
MS82N	None	—	.40-.82 (10.16-20.83)	18,000 (80)	7-1/2 (190.50)	2-3/8 (60.33)	15/16 (23.8)	3.25 (1.47)
MS82S	Socket	SA06						4.7 (2.13)
MS82C	Clevis	CA06						5.0 (2.27)
MS104N	None	—	.50-1.04 (12.70-26.42)	25,000 (111)	8 (203.2)	2-3/4 (69.9)	1-1/8 (28.6)	5.70 (2.59)
MS104S	Socket	SA07						7.1 (3.22)
MS104C	Clevis	CA06						7.4 (3.36)

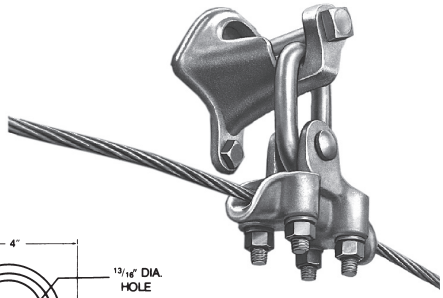
NOTE: Recommended torque on U-bolts; 1/2"—480 in. lbs.
** Bronze U-bolts, nuts and washers can be furnished by adding suffix "ED" to catalog number. Example, BRS60NED.*

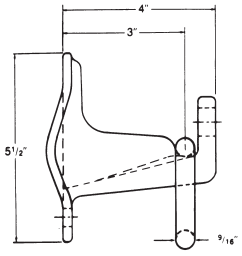
SUSPENSION DUCTILE IRON GROUND WIRE SUPPORT BRACKET

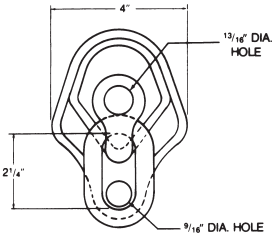
DUCTILE IRON
GWB1S

Designed to be used with most types of suspension clamps (aluminum or ferrous). May be mounted with through bolt and lag screw.

Material: **Body, Keeper, and Eyebolt** – Bronze Alloy
Eyestem – Bronze Alloy, Forged







Product Data & Conductor Size

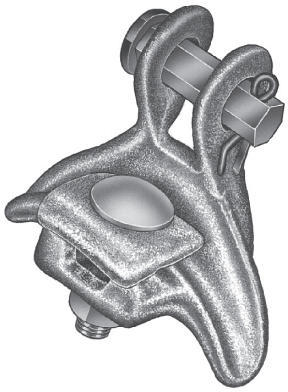
CATALOG NUMBER	MOUNTING HARDWARE MAX. DIA. INCHES (MM)		MOUNTING BOLT SPACING INCHES (MM)	ULTIMATE STRENGTH VERTICAL LBS. (KN)	APPROX. WT. EACH LBS. (KG)
	BOLT	LAG SCREWS			
GWB1S	3/4 (19.05)	1/2 (12.70)	3-5/16 (84.14)	5,000 (22)	2.6 (1.18)

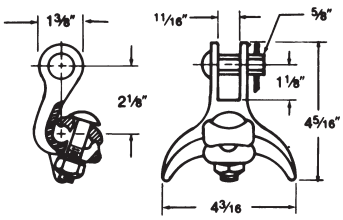
SUSPENSION DUCTILE IRON ANGLE CLAMP

DUCTILE IRON

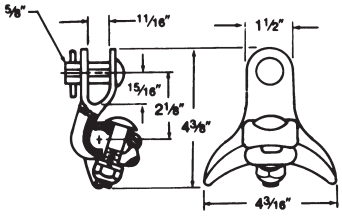
Intended for use in angle construction with galvanized steel overhead ground wire or copper and Copperweld® phase wire. Magnetic induction heating will occur.

Material: **Body and Keeper** – Ductile Iron, Galvanized
Hardware – Hot Dip Galvanized Steel
Cotter Pin – #302 Stainless Steel
Grommet – Neoprene





Catalog Number 82860



Catalog Number 81460

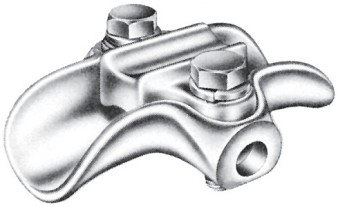
Product Data & Conductor Size

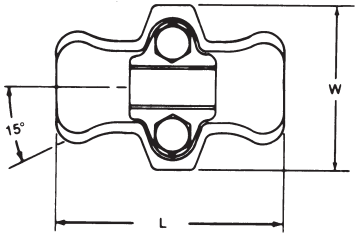
CATALOG NUMBER	CLAMPING RANGE INCHES (MM)		ULTIMATE BODY STRENGTH LBS. (KN)	MAX. TAKE-OFF ANGLE	APPROX. WT. EACH LBS. (KG)
	SMALL GROOVE	LARGE GROOVE		0	
814602000 828602000	.162-.25 (4.11-6.35)	.25-.60 (6.35-15.24)	7,000 (31)	60°	1.5 (.68)

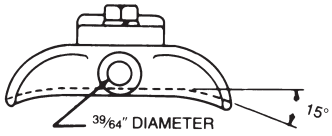
NOTE: Recommended torque on 1/2" bolt—480 in. lbs.

DUCTILE IRON

SUSPENSION
DUCTILE IRON TRUNNION
SUSPENSION CLAMP







For ground wire applications with galvanized steel cable.

Designed for use on tangent suspension spans with horizontal or vertical post insulators.

Keeper is reversible for proper fit on different size conductors.

Material: **Body and Keeper** – Ductile Iron, Galvanized
Hardware – Galvanized Steel
Anti-static spring – #302 Stainless Steel (See Note 2)

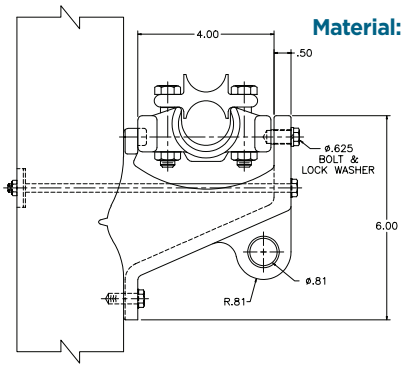
Product Data & Conductor Size

CATALOG NUMBER	CLAMPING RANGE INCHES (MM)	ULTIMATE BODY STRENGTH LBS. (KN)	DIMENSIONS INCHES (MM)			APPROX. WT. EACH LBS. (KG)
			L	W	J	
2706503001	.25-.56 (6.13-14.2)	2,800 (12)	5-1/4 (133.3)	3-7/8 (98.4)	1/2 (12.7)	2.50 (1.13)
2706513001	.50-1.06 (12.7-26.9)	2,800 (12)	5-1/4 (133.3)	3-7/8 (98.4)	1/2 (12.7)	2.75 (1.24)
2706523001	1.06-1.50 (26.9-38.1)	2,800 (12)	5-1/4 (133.3)	3-7/8 (98.4)	1/2 (12.7)	3.00 (1.36)

NOTES: (1) Recommended torque on bolts; 1/2"—480 in. lbs.
(2) Anti-static spring can be supplied by adding "ARIV" to catalog number. Example, TSCHT150ARIV.

SUSPENSION
DUCTILE IRON GROUND WIRE SUPPORT BRACKET

DUCTILE IRON
GWB1R



Designed to accommodate most (aluminum or ferrous) trunnion type clamps. May be mounted with one bolt and lag screw or two bolts.

Material: Ductile Iron, Galvanized

Product Data & Conductor Size

CATALOG NUMBER	MOUNTING HARDWARE MAX. DIA. INCHES (MM)		MOUNTING BOLT SPACING INCHES (MM)	ULTIMATE STRENGTH VERTICAL LBS. (KN)	APPROX. WT. EACH LBS. (KG)
	BOLT	LAG SCREW			
GWB1R	5/8 (15.88)	1/2 (12.70)	3-1/4 (82.55)	5,000 (22)	3.1 (1.40)

NOTE: Mounting hardware by others.

HUBBELL

DISTRIBUTION CONNECTORS

SECTION DJ

REFERENCE DATA

ALUMINUM AND BRONZE CONNECTORS
ALLOYS, CONNECTORS, HARDWARE & INSTALLATION

In over 100 years of serving the electrical industry, Anderson has earned a reputation for being a creative leader in the design and manufacture of electrical connectors, fittings and related accessories. The Anderson acceptance of these responsibilities is best exemplified through our wholly self-sufficient facilities. Design Engineering, Testing and Metallurgical Laboratories, and all facets of Manufacturing are geared for research, development and production of a full line of quality bronze, aluminum and ductile iron products.

The following information conveys helpful reference for material composition, installation, standardization and definitions applying to connectors and fittings as developed during our years of experience.

ALUMINUM CONNECTORS

Aluminum Alloys:
Connectors and fittings requiring high mechanical properties are cast from aluminum alloy 356. Sand cast 356 is heat treated to the T6 temper, and permanent mold castings are heat treated to the T61 temper. The 356 alloy is a 7 per cent silicon—0.3 per cent magnesium-aluminum alloy. The alloy is not susceptible to stress corrosion or season cracking. Its volume conductivity is approximately 39 per cent, I.A.C.S.

Cast compression connectors requiring a soft high conductivity aluminum are supplied from 99 plus per cent pure aluminum. Other aluminum compression connectors are made from commercially pure high conductivity wrought aluminum.

Installation Recommendations For Aluminum Connectors

Select type of connector from those listed below and follow the indicated procedure.

CONNECTOR TYPE	INSTALLATION PROCEDURE
Bolted	Procedure #1
Welded	Procedure #2
Compression	Procedure #3
Welded and Bolted	Procedure #2 followed by Procedure #1
Compression and Bolted	Procedure #3 followed by Procedure #1
Welded and Compression	Procedure #2 followed by Procedure #3

PROCEDURE #1—BOLTED CONNECTIONS

A. For aluminum to aluminum connections and aluminum to copper connections without a copper lined contact.
   1. Vigorously clean all contact surfaces of the connector and conductor with a stiff stainless steel wire brush to remove oxides. A typically bright aluminum surface should be obtained. Do Not Wire Brush Plated Contact Surfaces.
   2. Immediately coat these contact areas with a liberal amount of contact sealant.
   3. Install fitting with bolts finger tight. If a generous bead of compound does not appear, remove the conductor and add more sealant.
   4. Alternately (criss-cross) and evenly tighten bolts with a torque wrench to the values shown on page 4.
   5. Excess sealant squeezed out of joint can be left as is or can be lightly smoothed along contact line.
   6. All excess sealant must be removed from EHV Connectors and entirely from cable insulation.

B. For Aluminum connectors with a copper liner to copper connection.
   1. For maximum corrosion protection of the joint, the steps given in A-1 to A-5 should be followed.

PROCEDURE #2—WELDED CONNECTIONS

A. For cable connections:
   1. Remove all oil, grease and water in vicinity of surfaces to be welded. Vigorously clean the conductor and connector welding areas with a stainless steel brush.
   2. Slide the conductor into the weldment cavity until it is within 1/8" to 3/16" of the rear of the welding barrel.
   3. Prior to welding the connection, a test bead should be made upon an aluminum casting to test the weld settings.
   4. Begin welding by "burning into" the inner wall of the casting and proceeding toward the conductor center. Wire brush the original weld if more than one weld pass is required.

B. For tubular connections:
   1. Remove all oil, grease and water in vicinity of surfaces to be welded. Vigorously clean the conductor and connector welding areas with a stainless steel brush.
   2. Align the tubular bus and connector groove. Begin welding by "burning into" the inner wall of the casting and proceeding toward the conductor center. Wire brush the original weld if more than one weld pass is required.
   3. Prior to welding the connection, a test bead should be made upon an aluminum casting to test the weld settings.
   4. Due to the manufacturing tolerances on aluminum tubular bus, it is recommended that the tube be positioned in the weldment cavity and tack welded before starting final weld.

C. For welded connectors with a copper lined contact:
   1. Firmly bolt the copper lined contact section of connector to the mating contact surface or to a suitable heat sink prior to welding. This prevents damage to the bonded liner.
   2. Weld the aluminum connection in accordance with steps A or B above. If a heat sink is used, allow connector to cool before removing. The connector may be cooled by quenching in water.

PROCEDURE #3—COMPRESSION CONNECTIONS

1. Vigorously clean the conductor contact area with a stainless steel brush. Do not attempt to clean connector barrel. It is not necessary to apply sealant to the conductor. All connectors will have sealant applied at the factory.
2. Fully insert the conductor into the barrel and crimp. Crimping should begin nearest the center of sleeve type connectors. For closed barrel type connectors crimping should begin at the end and work toward the open end. Excess sealant squeezed out of the joint may be smoothed out around the mouth of the barrel. All excess sealant must be removed from EHV Connectors or any cable insulation.

Installation Recommendations for Aluminum to Copper Connections Using Aluminum Connectors

Connectors with contact sealant—Aluminum connectors can be used for making aluminum to copper connections if the proper installation care is observed. This includes the use of a sealant in accordance with practices outlined above. Use of a sealant protects the connection from oxide formation and electrolytic corrosion for as long as it remains present in the connection completely coating the surfaces and sealing out moisture.

Added protection in addition to sealants is available. Aluminum distribution connectors can be supplied with plating or with copper lined contacts.

Bi-Metallic Transition Plates—Aluminum to copper connections between flat NEMA drilled tongues and bars can be made using transition plates (Type TP). These plates are formed from sheets of 80% aluminum 20% copper which are molecularly bonded together. Best results are obtained by using contact sealant. Always position the aluminum conductor above the copper conductor.

Tin Plating—Tin plating can be furnished on certain connectors. See catalog page for appropriate suffix designation.

Hardware—Anodized Aluminum Clamping Bolts are standard with most Aluminum Power Connectors and may be supplied at extra cost with other connectors. The bolts are fabricated 2024-T4 aluminum and are anodized. After anodizing, the coating is sealed with a dichromate solution which imparts a yellow-green finish.

Standard nuts furnished on aluminum bolts are 6061 T6 dry waxed coated.

Insulator attachment hardware for bus supports is galvanized steel.

BRONZE AND COPPER CONNECTORS

Copper Casting Alloys

Our modern, all electric furnaces provide copper alloy castings of the highest quality possible. The alloy used will vary according to the requirement of the component.

Connectors requiring high tensile strength and corrosion resistance in application are cast from Anderson Alloy 112 (ASTM B-30 Alloy No. C95500). The 112 alloy is a 10% aluminum, 4.5% nickel copper alloy with a minimum tensile strength of 90,000 PSI.

Connectors requiring current-carrying abilities and reasonable strength are cast from Anderson Alloy 123 (ASTM B-30 Alloy No. C84400). The 123 metal is a 81% copper—3% tin—7% lead—9% zinc alloy.

For heavy duty copper compression connectors CDA 110 copper is used. This 110 alloy is 99.9% pure copper.

Other copper compression connectors are made from commercially pure high conductivity wrought copper.

Conductivity is purposely omitted in the above descriptions because it is often confused with current-carrying capacity. While connector alloys may vary in conductivity, design parameters are applied in each case to assure adequate capacity to meet the particular application.

Installation Recommendations for Bronze and Copper Connectors

Bronze Bolted Connectors—Contact sealants are not normally required in copper connections. However, the use of sealant is recommended in severe corrosive environments and direct burial applications such as ground grids.

Vigorously clean the conductor and connector contact surfaces with a stainless steel wire brush.

Alternately and evenly tighten bolts with a torque wrench to the values shown in Recommended Torque Values table.

Hardware—Silicon bronze hardware is normally supplied for all conductor clamping bronze components. Stainless steel hardware may be substitued where and when necessary.

Copper Compression Connections—Vigorously clean the conductor contact surfaces with a stainless steel wire brush. Do not attempt to clean connector barrel. In general it is not necessary to apply sealant to the conductor or connectors. Copper connectors requiring sealant have the sealant applied at the factory. The use of sealant is recommended in severe corrosive environments and direct burial applications such as ground grids. Sealants may be designated for a copper connector by adding the appropriate suffix to the basic catalog number.

Installation Recommendations for Copper to Aluminum Connectors Using Copper Connectors

When making copper to aluminum connections, using bronze or copper connectors, best results will be obtained by using the following methods.

1. Tin plate the copper base connection and use sealant between the aluminum and copper. (Tin plating may be specified by adding the appropriate suffix to the basic catalog number.)
2. Copper pad connectors may be attached directly to an aluminum pad if sealant is freely used.
3. The use of an aluminum conductor in a standard copper base connector (plated or unplated), is not recommended.
4. An aluminum to copper cable transition may be made directly using an aluminum connector as covered in the preceding section on Aluminum Connectors.

Note With Any Transition Method:
Do Not Position The Aluminum Member In Such A Way That Would Allow Water To Drain From The Copper Connector Over (Or Into) The Aluminum Connection Point.

General Information on Bronze or Copper Connectors

In regard to bolted connectors; components to be in contact with cable and tube are supplied with "as cast" surfaces. Conductor grooves for cables are designed with ample radii to prevent conductor damage.

Connector Design—In all of our bronze and aluminum power connectors, the temperature rise of the connector shall not exceed the temperature rise of the conductor with which it is intended to be used. The temperature rise of an electric power connector which connects conductors of varying sizes shall not exceed the temperature rise of the conductor having the highest temperature rise. All temperatures are based on the conductor being rated at 30 degrees rise over a 40 degrees ambient, indoors, in still but unconfined air. Our bronze and aluminum connectors conform to one of the following as applicable:

Latest release of the following:

NEMA
ANSI (C119)
Underwriters Lab (U.L.)

Contact Sealants—Various sealant formulations have been developed to provide improved electrical and mechanical performance as well as environmental protection to the contact area. Non-petroleum base sealants are provided for underground applications and other applications where natural or synthetic rubber goods might be adversely affected.

The use of sealants are recommended for aluminum to aluminum or aluminum to copper connections which are subjected to severe corrosive environments and when used in direct burial applications such as ground grids.

Non-gritted sealants are recommended for flat connections and as a groove sealant in bolted connectors.

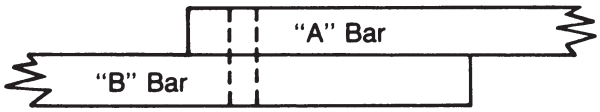
Our gritted sealants are primarily used in compression connectors. Aluminum compression connectors have sealant applied at the factory.

Aluminum stud connectors are supplied with factory applied sealant in the threaded portion. To obtain factory applied sealant in other connectors add the desired sealant suffix designation to the basic catalog number. Example: ACF-6-C-XB

"-XB" for petroleum based sealant

RECOMMENDED TYPES OF HARDWARE AND INSTALLATION MOUNTING

HARDWARE FOR JOINING LIKE OR UNLIKE METALS



If "A" BAR is	Cu	AL	AL	Galvanized Steel	Galvanized Steel
and "B" BAR is	Cu	Cu	AL	Cu	AL
Recommended Series of Hardware	(1) Si-Br (2) SS (3) GS	(1) SS *or* GS	(1) AL (2) SS *or* GS	(1) Si-Br (2) SS *or* GS	(1) AL (2) SS *or* GS

KEY:
Si-Br—Silicon Bronze GS—Galvanized Steel

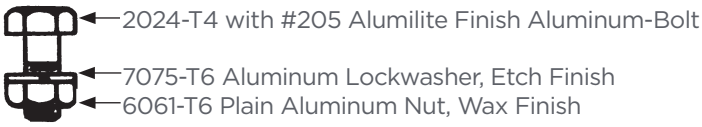
SS—Stainless Steel AL—Aluminum

(1) denotes preferred hardware usage.

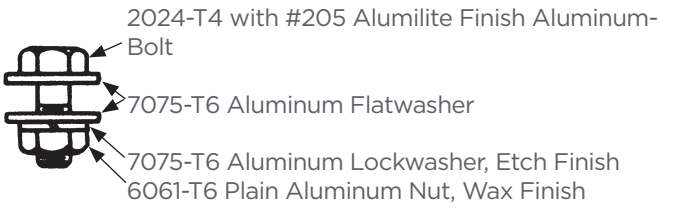
Note:
Contact sealant should be used between Aluminum to Aluminum and Aluminum to Copper connections.

ALUMINUM CONNECTORS

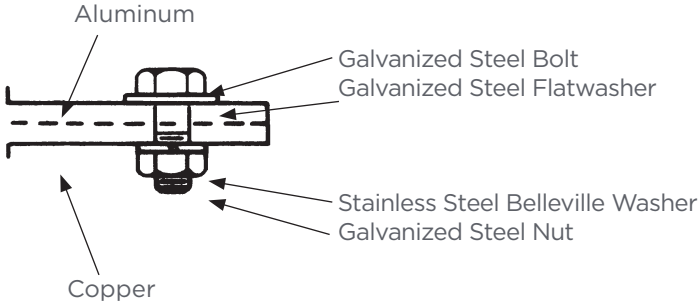
Aluminum Connector (Clamping Hardware)



Aluminum To Aluminum Assemblies (Tongue Mounting Hardware As Assembled At Factory)

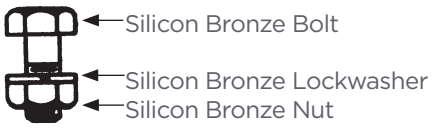


Aluminum To Copper Assemblies (Tongue Mounting Hardware)

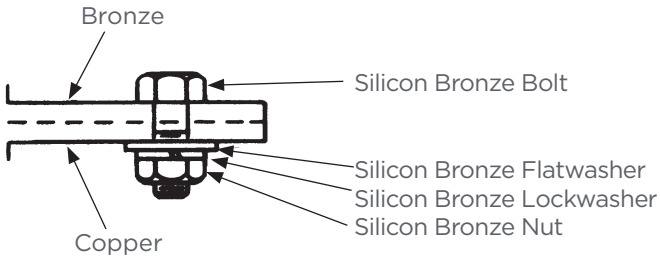


BRONZE CONNECTORS

Bronze Connector (Clamping Hardware)



Bronze To Copper Assemblies (Tongue Mounting Hardware)



RECOMMENDED TORQUE VALUES FOR BOLTED CONNECTORS

Tightening Force Applied to Hardware: Following are ANDERSON'S recommended torque values applying to all clamping hardware used in connectors and fittings.

Note:
Care should be taken to prevent sealant from being applied to hardware since torque values will be affected if the hardware becomes lubricated with sealant.

BOLT DIA.	RECOMMENDED TORQUE NON-LUBRICATED STEEL & SILICON BRONZE HDWE. LB. INCHES	RECOMMENDED TORQUE LUBRICATED HDWE. & ALUMINUM HDWE. LB. INCHES*
5/16"	180	120
3/8"	240	168
1/2"	480	300
5/8"	660	480
3/4"	840	720

**Reduced torque limits apply when replacing aluminum clamping hardware with steel in bolted aluminum connectors.*

NOTE: All eyestems have a recommended torque of 200 lb.—inches.

LETTER SUFFIX DESIGNATIONS TO STANDARD CATALOG NUMBER FOR SPECIAL FEATURES

A suffix added to a catalog number denotes that a change or modification is to be made to the standard catalog item. The suffixes listed below are for the convenience of our customers. The list does not include special modifications made for one customer only but those having general application.

CATALOG NO. SUFFIX	DESCRIPTION OF CHANGE OR MODIFICATION
A	Aluminum loop will be supplied instead of copper loop.
AH	Advance handle only—VCF and VCF6 hot stick assemblies.
AS	Aluminum hardware will be supplied instead of the usual (or standard) hardware.
BNK	Bolt, nut and cotter key will be supplied instead of usual clevis pin.
BNN	Bolt, nut and jam nut will be supplied instead of usual clevis pin.
BW	Belleville washers will be supplied instead of usual washers.
C	A clevis fitting will be supplied with strain, suspension and dead end clamps.
CF	Center-formed tongue will be supplied on lugs where side formed tongues are standard on bronze and aluminum items.
CRF	Corona free strain clamp.
E	An eyestem will be supplied instead of the usual hex head bolt. (This applies generally to stirrup and cable clamps).
ED	Everdur (silicon bronze) hardware will be supplied instead of the usual hardware.
FTP	Flowed-tin plating will be supplied on bronze items. (.0001-.0003 thick and flowed)
FW	A flatwasher will be supplied instead of a lockwasher.
G	A guide will be supplied on expansion connectors.
GA	Galvanized hardware will be supplied instead of usual hardware.
GP	Tin plating will be supplied on aluminum items.
HP	Hexagon clevis pin furnished instead of standard clevis pin.

CATALOG NO. SUFFIX	DESCRIPTION OF CHANGE OR MODIFICATION
HW	Hexagon head bolt with a flat washer under the head will be supplied instead of the usual bolts.
LW	A lockwasher will be supplied instead of a flatwasher.
N	Neither socket nor clevis fittings will be supplied with suspension, or dead end clamps.
NSB	No spacer bar on straight line dead end clamps.
S	A socket will be supplied with suspension and dead end clamps.
SE	A static eliminator spring will be supplied on bus supports.
SF	Side formed tongue will be supplied when a center formed tongue is standard.
Special	The catalog number specified is to be modified for particular requirements which the item will not otherwise fill.
TB	Electro-tin plate loop (bail) .0002”-.0004”.
TP	Tin plating will be supplied on bronze items, (Electro-tin .0002”-.0004” thick).
U	U-bolts may be supplied on these items.
UD	An undrilled tongue will be supplied on terminals or lugs.
XB	The connector will be supplied with the grooves coated with a petroleum base sealant and enclosed in a polyethylene bag.
XY	Contact surface finished on both sides of tongue.

**This suffix will appear on the connector or fitting as part of the catalog number. Other suffix designations above will not appear as part of the catalog number unless specifically specified in which case there may be an extra charge to cover the stamping or marking operation.*

When more than one suffix is required to designate more than one special feature, they should be arranged in alphabetical order except when the suffix is published as part of the catalog number.

KEY SYMBOLS TO ANDERSON ELECTRICAL CONNECTORS CATALOG NUMBERS

Aluminum Connectors for Cable*

CONDUCTOR RANGE			
CATALOG NUMBER CODE	ALUMINUM COPPER AWG-MCM	ACSR AWG-MCM	DECIMAL RANGE INCHES
6**	#4—1/0—	#4—1/0—4/0	.232—.398
7	250—400	4/0—336.4	.368—.575
9	350—600	336.4—477	.563—.744
11	600—900	556.5—795.5	.681—.893
13	900—1250	715.5—1113	.870—1.108
15	1250—1600	1113—1272	1.081—1.293
16	1500-2000	1272—1590	1.289—1.459
18	2000—2500	*Decimal	1.382—1.632
21	2500—3000	Range	1.632—1.824
22	—		1.824—2.000
			2.000—2.200

***Multi-Range is accomplished by reversing the clamping cap.*
**The Decimal Range is to be considered as the final criteria for application. The ACSR and Aluminum Cable Ranges will not necessarily fall within the Decimal Range for all standings.*

Copper or Aluminum Flat Bar

CODE NO.	WIDTH IN INCHES*
10	1
14	1-1/2
20	2
24	2-1/2
30	3
34	3-1/2
40	4
50	5
60	6
80	8
100	10
120	12

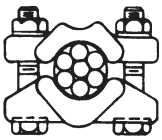
**Bar thickness & spacing (if same) are added at end of completed catalog number as "-1/4," "-1/2," etc.*

Copper or Aluminum IPS Tubing

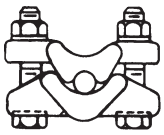
CODE NO.	IPS DIAMETER
02	1/4
03	3/8
04	1/2
06	3/4
10	1
12	1-1/4
14	1-1/2
20	2
24	2-1/2
30	3
34	3-1/2
40	4
44	4-1/2
50	5
60	6

Bronze Connectors for Cable

VERSA-GROOVE CAP NUMBER	CABLE RANGE				DECIMAL RANGE INCHES
	SMALL GROOVE		LARGE GROOVE		
	MIN.	MAX.	MIN.	MAX.	
022	#6	#2	#2	2/0	.162—.419
025	#4	1/0	2/0	250 MCM	.204—.575
050	1/0 Sol.	4/0 Str.	250	500 MCM	.325—.813
080	2/0 Sol.	500 MCM	500	800 MCM	.365—1.031
100	4/0 Str.	750 MCM	750	1000 MCM	.522—1.152
150	250	750 MCM	750	1500 MCM	.474—1.412
200	500	1500 MCM	1500	2000 MCM	.811—1.632



LARGE GROOVE



SMALL GROOVE

BRONZE REVERSIBLE CABLE CAPS

Unless otherwise indicated all bronze cable connectors have cable sections designed to accommodate a range of conductors. Their wide application flexibility offers the distinct advantages of reducing stock inventory, and possibility of errors of misapplication. There is no sacrifice of either electrical or mechanical efficiency when using reversible cable caps. This design is field proven by years of trouble free service in locations where severe operating conditions exist.

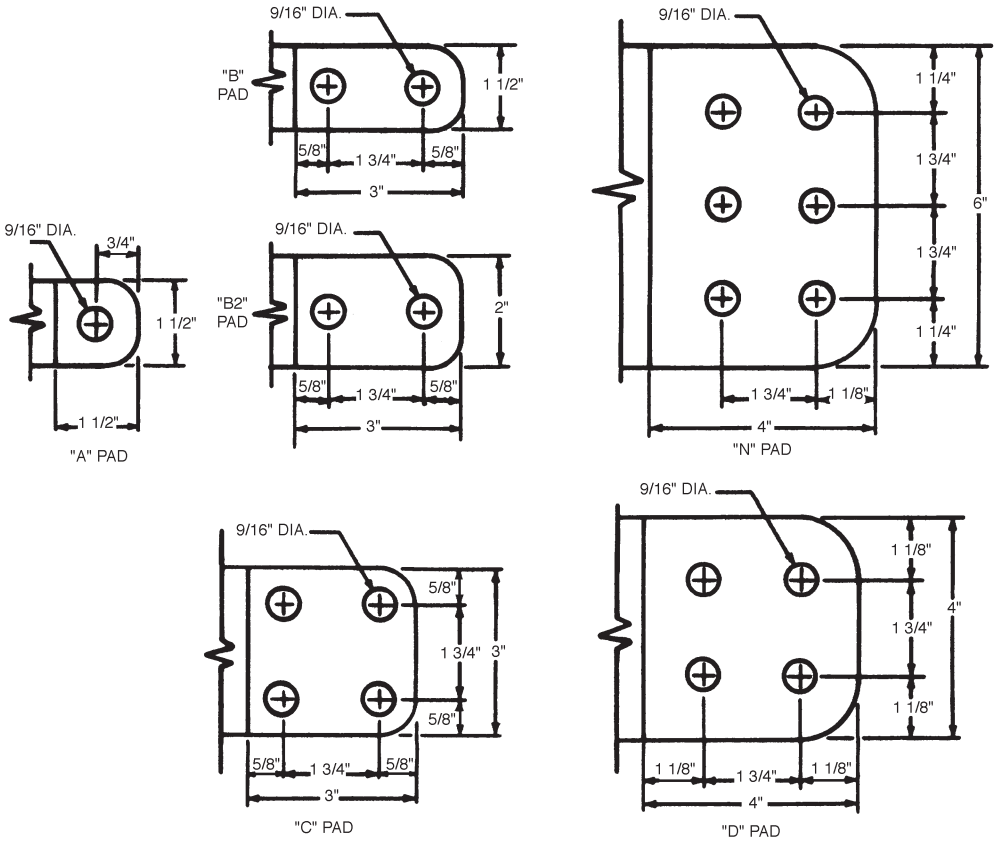
Our four bolt reversible cable cap design is adequate for high current capacity conductors, yet priced in line with standard duty connectors.

Copper or Aluminum Threaded Studs

CODE NO.	DIAMETER IN INCHES*
01	1/8
02	1/4
03	3/8
04	1/2
05	5/8
06	3/4
07	7/8
10	1
11	1-1/8
12	1-1/4
13	1-3/8
14	1-1/2
15	1-5/8
16	1-3/4
17	1-7/8
20	2
21	2-1/8
22	2-1/4
23	2-3/8
24	2-1/2
26	2-3/4
30	3
32	3-1/4
34	3-1/2
36	3-3/4
40	4
50	5
60	6

**Threads per inch are added at the end of completed catalog number as"-12," "-16," etc. Smooth studs are specified by adding "-0."*

ANDERSON PAD DESIGNATIONS FOR NEMA STANDARD DRILLING



NEMA CONSTRUCTION STANDARDS
ELECTRIC POWER CONNECTORS

CC 1-4.06 NUMBER AND DIAMETER OF BOLTS FOR CONNECTORS

Type of Conductor				For Copper Conductors						For Aluminum or ACSR Conductors			
Standard Pipe Size, Inches	Copper Cable, kcmil	Aluminum or ACSR Cable Outside Diameter, Inches	Stud Diameter, Inches	Single Size Standard Duty Bolts Per Conductor		Single Size Heavy Duty Bolts Per Conductor		Range Taking Bolts Per Conductor		Range Taking* Bolts Per Conductor		Single Size Bolts Per Conductor	
				Number	Dia. Inches	Number	Dia. Inches	Number	Dia. Inches	Number	Dia. Inches	Number	Dia. Inches
3/8	#4 thru 2/0	0.200 thru 0.399	1/2	2	3/8	3	3/8	4	3/8	2	1/2	2	1/2
1/2	3/0 thru 500	. . .	5/8 thru 1-1/8	3	3/8	3	3/8	4	3/8	4	1/2	4	1/2
3/4 thru 1	550 thru 800	. . .	. . .	3	3/8	4	3/8	4	3/8	4	1/2	4	1/2
1-1/4 thru 2	900 thru 2000	0.400 thru 1.412	1-1/4 thru 2-1/2	3	1/2	4	1/2	4	1/2	4	1/2	4	1/2
2-1/2	900 thru 2000	0.400 thru 1.412	. . .	3	1/2	4	1/2	4	1/2	4	1/2	4	1/2
3 thru 4	2250 thru 3000	1.413 thru 1.850	2-3/4 thru 5	3	5/8	4	5/8	4	5/8	4	5/8	4	5/8
4-1/2 thru 6	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	6	5/8

** Applies to cable only.*
NOTE I—Each U bolt is counted as two bolts.
NOTE II—For shackle design (single casting wrap-around conductor), each bolt counts as two bolts.
NOTE III—When two different sizes of conductors are involved, the bolts specified for the smallest conductor may be used.
NOTE IV—When three bolts are specified, the following exceptions apply:
a. Terminal lugs shall have a minimum of four bolts or the equivalent for a single conductor.
b. Stud connectors shall have minimum of four bolts or the equivalent for the stud portion.
NOTE V—Bronze alloy bolts shall have a minimum tensile strength of 70,000 pounds per square inch and aluminum alloy bolts shall have a minimum tensile strength of 55,000 pounds per square inch.
NOTE VI—Nominal torque values shall be:

Diameter of Bolts, Inches	Nominal Torque Values	
	Foot/Pound	Inch/Pound
3/8	20	240
1/2	40	480
5/8	55	660
3/8L	15	180
1/2L	25	300
5/8L	40	480

L—Lubricated

EXAMPLES ILLUSTRATING THE USE OF THE TABLE IN CC 1-4.06

EXAMPLE NO. 1—A straight coupler connector or a 90-degree elbow connector is used to connect a conductor of 1-1/2 inch pipe to another conductor of 1-1/2-inch pipe. After locating the proper line for the 1-1/2-inch pipe in the first column of the table, the total number of bolts required can be determined from the information given for the connectors, as follows:

For standard-duty connectors—

Three 1/2-inch-diameter bolts per conductor	x	2 (number of conductors)	=	a total of six 1/2-inch-diameter bolts per fitting

For heavy-duty connectors—

Four 1/2-inch-diameter bolts per conductor	x	2 (number of conductors)	=	a total of eight 1/2-inch-diameter bolts per fitting

NEMA CONSTRUCTION STANDARDS
ELECTRIC POWER CONNECTORS—continued

EXAMPLE NO. 2—A single-size "T" connector is used to connect a 3-inch Schedule 40 aluminum main to a 397.5 kcmil ACSR tap (outside diameter = 0.743 inch).

After locating the proper line for the 3-inch pipe in the first column of the table, it will be seen that the connectors require four 5/8-inch-diameter bolts per conductor.

After locating the proper line for the 0.743-inch-outside diameter ACSR tap in the third column of the table, it will be seen that the connectors require four 1/2-inch-diameter bolts per conductor.

In this case and in accordance with Note III following the table, the manufacturer has the choice of using either four 1/2-inch diameter bolts per conductor of four 5/8-inch-diameter bolts per conductor.

EXAMPLE NO.3—A copper stud connector having a 1-1/8"-12 thread is connected to copper cable ranging from 400 to 800 kcmil in size. Using the fourth column for the stud and the second column for the copper cable, it will be seen that the connectors require the following bolts:

1. Four 3/8-inch-diameter bolts per conductor for the stud.
2. Four 1/2-inch-diameter bolts per conductor for the cable.

In this case and in accordance with Note III following the table, the manufacturer has the choice of using either four 3/8-inch diameter bolts per conductor or four 1/2-inch-diameter bolts per conductor.

CONDUCTOR QUICK REFERENCE CHART

Conductor Dia	ACSR			ALL ALUMINUM			HIGH STRENGH ALL ALUMINUM (6201 ALLOY)			HIGH STRENGH ALL ALUMINUM (5005 ALLOY)			ALUMOWELD			COPPER			Conductor Dia.
	Cable Size A.W.G. or C.M.	No. of Strs.	Rated Ultimate	Cable Size A.W.G. or C.M.	No. of Strs.	Rated Ultimate	Cable Size A.W.G. or C.M.	No. of Strs.	Rated Ultimate	Cable Size A.W.G. or C.M.	No. of Strs.	Rated Ultimate	Cable Size A.W.G.	No. of Strs.	Rated Ultimate	Cable Size A.W.G. or C.M.	No. of Strs.	Rated Ultimate	
.102	—	—	—	—	—	—	—	—	—	—	—	—	10	Sol.	1590	10	Sol.	530	.102
.114	—	—	—	—	—	—	—	—	—	—	—	—	9	Sol.	2005	9	Sol.	661	.114
.128	—	—	—	—	—	—	—	—	—	—	—	—	8	Sol.	2529	8	Sol.	826	.128
.146	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8	7	778	.146
.158	8	6/1	745	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.158
.162	—	—	—	—	—	—	—	—	—	—	—	—	6	Sol.	3608	6	Sol.	1280	.162
.169	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.169
.174	—	—	—	—	—	—	—	—	—	30,420	Sol.	777	—	—	—	—	—	—	.174
.182	—	—	—	—	—	—	—	—	—	—	—	—	5	Sol.	4290	—	—	—	.182
.184	—	—	—	6	7	555	—	—	—	—	—	—	—	—	—	6	7	1228	.184
.197	—	—	—	—	—	—	30,200	7	1069	—	—	—	—	—	—	—	—	—	.197
.198	6	6/1	1170	—	—	—	—	—	—	30,580	7	912	—	—	—	—	—	—	.198
.204	—	—	—	—	—	—	—	—	—	—	—	—	4	Sol.	5081	4	Sol.	1970	.204
.213	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.213
.220	—	—	—	—	—	—	—	—	—	48,370	Sol.	1,197	10	3	4532	—	—	—	.220
.221	—	—	—	—	—	—	38,090	7	1349	—	—	—	—	—	—	—	—	—	.221
.223	5	6/1	1460	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.223
.229	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.229
.232	—	—	—	4	7	870	—	—	—	—	—	—	—	—	—	4	7	1938	.232
.236	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.236
.242	—	—	—	—	—	—	—	—	—	—	—	—	12	7	6301	—	—	—	.242
.247	—	—	—	—	—	—	—	—	—	—	—	—	9	3	5715	—	—	—	.247
.248	—	—	—	—	—	—	48,040	7	1701	—	—	—	—	—	—	—	—	—	.248
.250	4	6/1	1830	—	—	—	—	—	—	48,690	7	1,415	—	—	—	—	—	—	.250
.257	4	7/1	2288	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.257
.258	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	Sol.	3002	.258
.260	—	—	—	3	7	1022	—	—	—	—	—	—	—	—	—	—	—	—	.260
.268	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.268
.272	—	—	—	—	—	—	—	—	—	—	—	—	11	7	7945	—	—	—	.272
.277	—	—	—	—	—	—	—	—	—	—	—	—	8	3	7206	—	—	—	.277
.279	—	—	—	—	—	—	60,560	7	2148	—	—	—	—	—	—	—	—	—	.279
.281	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.281
.289	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	Sol.	3688	.289
.290	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.290
.292	—	—	—	2	7	1335	—	—	—	—	—	—	—	—	—	2	7	3045	.292
.298	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.298
.301	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.301
.306	—	—	—	—	—	—	—	—	—	—	—	—	10	7	10,020	—	—	—	.306
.311	—	—	—	—	—	—	—	—	—	—	—	—	7	3	8621	—	—	—	.311
.314	—	—	—	—	—	—	76,380	7	2707	—	—	—	—	—	—	—	—	—	.314
.316	2	6/1	2790	—	—	—	—	—	—	77,470	7	2,195	—	—	—	—	—	—	.316
.325	2	7/1	3525	—	—	—	—	—	—	—	—	—	—	—	—	0	Sol.	4518	.325
.326	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.326
.328	—	—	—	1	7	1625	—	—	—	—	—	—	—	—	—	1	7	3804	.328
.332	—	—	—	1	19	1685	—	—	—	—	—	—	—	—	—	1	19	3899	.332

CONDUCTOR QUICK REFERENCE CHART

Conductor Dia	ACSR			ALL ALUMINUM			HIGH STRENGH ALL ALUMINUM (6201 ALLOY)			HIGH STRENGH ALL ALUMINUM (5005 ALLOY)			ALUMOWELD			COPPER			Conductor Dia.
	Cable Size A.W.G. or C.M.	No. of Strs.	Rated Ultimate	Cable Size A.W.G. or C.M.	No. of Strs.	Rated Ultimate	Cable Size A.W.G. or C.M.	No. of Strs.	Rated Ultimate	Cable Size A.W.G. or C.M.	No. of Strs.	Rated Ultimate	Cable Size A.W.G.	No. of Strs.	Rated Ultimate	Cable Size A.W.G. or C.M.	No. of Strs.	Rated Ultimate	
.338	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.338
.340	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.340
.343	—	—	—	—	—	—	—	—	—	—	—	—	9	7	12,630	—	—	—	.343
.349	—	—	—	—	—	—	—	—	—	—	—	—	6	3	10,280	—	—	—	.349
.352	—	—	—	—	—	—	96,320	7	3411	—	—	—	—	—	—	—	—	—	.352
.355	1	6/1	3480	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.355
.365	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	00	Sol.	5519	.365
.367	80,000	8/1	5200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.367
.368	—	—	—	0	7	1970	—	—	—	—	—	—	—	—	—	0	7	4752	.368
.373	—	—	—	0	19	2090	—	—	—	—	—	—	—	—	—	0	19	4901	.373
.381	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.381
.382	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.382
.385	—	—	—	—	—	—	—	—	—	—	—	—	8	7	15,930	—	—	—	.385
.392	—	—	—	—	—	—	—	—	—	—	—	—	5	3	12,230	—	—	—	.392
.395	—	—	—	—	—	—	121,500	7	4304	—	—	—	—	—	—	—	—	—	.395
.398	0	6/1	4280	—	—	—	—	—	—	123,300	7	3,405	—	—	—	—	—	—	.398
.410	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	000	Sol.	6720	.410
.414	—	—	—	00	7	2480	—	—	—	—	—	—	—	—	—	00	7	5926	.414
.419	—	—	—	00	19	2586	—	—	—	—	—	—	—	—	—	00	19	6152	.419
.426	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.426
.428	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.428
.433	—	—	—	—	—	—	—	—	—	—	—	—	7	7	19,060	—	—	—	.433
.447	00	6/1	5345	—	—	—	—	—	—	155,400	7	4,235	—	—	—	—	—	—	.447
.448	—	—	—	—	—	—	156,100	7	5301	—	—	—	—	—	—	—	—	—	.448
.460	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0000	Sol.	8143	.460
.461	101,800	12/7	9860	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.461
.464	—	—	—	000	7	3005	—	—	—	—	—	—	—	—	—	000	7	7366	.464
.470	—	—	—	000	19	3200	—	—	—	—	—	—	—	—	—	000	19	7698	.470
.480	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.480
.481	110,800	12/7	10,730	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.481
.486	—	—	—	—	—	—	—	—	—	—	—	—	6	7	22,730	—	—	—	.486
.502	000	6/1	6675	—	—	—	—	—	—	195,700	7	4,965	—	—	—	—	—	—	.502
.503	—	—	—	—	—	—	196,800	7	6680	—	—	—	—	—	—	—	—	—	.503
.509	—	—	—	—	—	—	—	—	—	—	—	—	10	19	27,190	—	—	—	.509
.517	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.517
.522	—	—	—	0000	7	3790	—	—	—	—	—	—	—	—	—	0000	7	9154	.522
.523	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.523
.528	—	—	—	0000	19	3890	—	—	—	—	—	—	—	—	—	0000	19	9617	.528
.530	134,600	12/7	12,920	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.530
.541	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.541
.546	—	—	—	—	—	—	—	—	—	—	—	—	5	7	27,030	—	—	—	.546
.559	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.559
.563	0000	6/1	8420	—	—	—	—	—	—	246,900	7	6,265	—	—	—	—	—	—	.563
.565	—	—	—	—	—	—	248,200	7	8427	—	—	—	—	—	—	—	—	—	.565
.572	—	—	—	—	—	—	—	—	—	—	—	—	9	19	34,290	—	—	—	.572
.573	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.573
.574	—	—	—	250,000	19	4510	—	—	—	—	—	—	—	—	—	250,000	19	11,360	.574

CONDUCTOR QUICK REFERENCE CHART

Conductor Dia	ACSR			ALL ALUMINUM			HIGH STRENGH ALL ALUMINUM (6201 ALLOY)			HIGH STRENGH ALL ALUMINUM (5005 ALLOY)			ALUMOWELD			COPPER			Conductor Dia.
	Cable Size A.W.G. or C.M.	No. of Strs.	Rated Ultimate	Cable Size A.W.G. or C.M.	No. of Strs.	Rated Ultimate	Cable Size A.W.G. or C.M.	No. of Strs.	Rated Ultimate	Cable Size A.W.G. or C.M.	No. of Strs.	Rated Ultimate	Cable Size A.W.G.	No. of Strs.	Rated Ultimate	Cable Size A.W.G. or C.M.	No. of Strs.	Rated Ultimate	
.575	—	—	—	250,000	37	4860	—	—	—	—	—	—	—	—	—	—	—	—	.575
.576	159,000	12/7	15,200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.576
.586	—	—	—	266,800	7	4525	—	—	—	—	—	—	—	—	—	—	—	—	.586
.593	—	—	—	266,800	19	4800	—	—	—	—	—	—	—	—	—	—	—	—	.593
.607	176,900	12/7	16,400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.607
.609	266,800	18/1	6840	—	—	—	—	—	—	281,400	19	7,365	—	—	—	—	—	—	.609
.618	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.618
.628	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.628
.629	—	—	—	300,000	37	5830	—	—	—	—	—	—	—	—	—	300,000	19	13,510	.629
.630	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	300,000	37	13,870	.630
.631	190,800	12/7	17,730	300,000	61	5940	—	—	—	—	—	—	—	—	—	—	—	—	.631
.633	266,800	6/7	9645	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.633
.636	—	—	—	—	—	—	307,100	19	10,420	—	—	—	—	—	—	—	—	—	.636
.642	266,800	26/7	11,250	—	—	—	—	—	—	312,800	19	8,180	8	19	43,240	—	—	—	.642
.646	300,000	18/1	7990	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.646
.663	211,300	12/7	19,640	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.663
.666	—	—	—	336,400	19	5940	—	—	—	—	—	—	—	—	—	—	—	—	.666
.677	336,400	36/1	7630	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.677
.679	—	—	—	350,000	19	6180	—	—	—	—	—	—	—	—	—	350,000	19	15,590	.679
.680	300,000	26/7	12,650	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.680
.681	—	—	—	350,000	37	6680	—	—	—	—	—	—	—	—	—	350,000	37	16,060	.681
.684	336,400	18/1	8625	—	—	—	—	—	—	355,100	19	9,285	—	—	—	—	—	—	.684
.713	—	—	—	—	—	—	—	—	—	—	—	—	10	37	52,950	—	—	—	.713
.714	203,200	16/19	27,500	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.714
.721	336,400	26/7	14,050	—	—	—	394,600	19	12,830	394,500	19	10,180	7	19	51,730	—	—	—	.721
.724	—	—	—	397,500	19	6880	—	—	—	—	—	—	—	—	—	—	—	—	.724
.726	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	400,000	19	17,810	.726
.728	—	—	—	400,000	37	7350	—	—	—	—	—	—	—	—	—	400,000	37	18,320	.728
.736	397,500	36/1	8740	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.736
.741	336,400	30/7	17,040	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.741
.743	397,500	18/1	10,040	—	—	—	—	—	—	419,600	19	10,820	—	—	—	—	—	—	.743
.772	397,500	24/7	14,690	450,000	37	8110	—	—	—	—	—	—	—	—	—	450,000	37	20,450	.772
.783	397,500	26/7	16,190	—	—	—	—	—	—	465,400	37	11,840	—	—	—	—	—	—	.783
.784	—	—	—	—	—	—	466,300	19	15,160	—	—	—	—	—	—	—	—	—	.784
.793	—	—	—	477,000	19	8090	—	—	—	—	—	—	—	—	—	—	—	—	.793
.795	—	—	—	477,000	37	8600	—	—	—	—	—	—	—	—	—	—	—	—	.795
.801	—	—	—	—	—	—	—	—	—	—	—	—	9	37	66,770	—	—	—	.801
.806	397,500	30/7	19,980	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.806
.806	477,000	36/1	10,320	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.806
.810	—	—	—	—	—	—	—	—	—	—	—	—	6	19	61,700	—	—	—	.810
.811	—	—	—	500,000	19	8480	—	—	—	—	—	—	—	—	—	500,000	19	21,950	.811
.813	—	—	—	500,000	37	9010	—	—	—	—	—	—	—	—	—	500,000	37	22,510	.813
.814	477,000	18/1	11,870	—	—	—	—	—	—	503,600	19	12,100	—	—	—	—	—	—	.814
.846	477,000	24/7	17,200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.846
.853	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	550,000	37	24,760	.853
.855	—	—	—	550,000	61	10,490	—	—	—	—	—	—	—	—	—	550,000	61	25,230	.855
.856	—	—	—	556,000	19	9440	—	—	—	—	—	—	—	—	—	—	—	—	.856

CONDUCTOR QUICK REFERENCE CHART

Conductor Dia	ACSR			ALL ALUMINUM			HIGH STRENGH ALL ALUMINUM (6201 ALLOY)			HIGH STRENGH ALL ALUMINUM (5005 ALLOY)			ALUMOWELD			COPPER			Conductor Dia.
	Cable Size A.W.G. or C.M.	No. of Strs.	Rated Ultimate	Cable Size A.W.G. or C.M.	No. of Strs.	Rated Ultimate	Cable Size A.W.G. or C.M.	No. of Strs.	Rated Ultimate	Cable Size A.W.G. or C.M.	No. of Strs.	Rated Ultimate	Cable Size A.W.G.	No. of Strs.	Rated Ultimate	Cable Size A.W.G. or C.M.	No. of Strs.	Rated Ultimate	
.858	477,000	26/7	19,430	556,500	37	9830	599,600	19	18,200	559,500	19	13,450	—	—	—	—	—	—	.858
.870	556,000	36/1	11,800	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.870
.879	556,000	18/1	13,850	—	—	—	—	—	—	597,200	19	14,120	—	—	—	—	—	—	.879
.883	477,000	30/7	23,300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.883
.891	—	—	—	600,000	37	10,600	—	—	—	—	—	—	—	—	—	600,000	37	27,020	.891
.893	—	—	—	600,000	61	11,450	—	—	—	—	—	—	—	—	—	600,000	61	27,530	.893
.899	—	—	—	—	—	—	—	—	—	—	—	—	8	37	84,200	—	—	—	.899
.907	605,000	36/1	12,800	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.907
.910	—	—	—	—	—	—	—	—	—	—	—	—	5	19	73,350	—	—	—	.910
.914	556,600	24/7	19,850	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.914
.918	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	636,000	37	11,240	.918
.927	556,500	26/7	22,600	650,000	37	29,130	652,800	19	21,230	652,400	19	15,680	—	—	—	—	—	—	.927
.929	—	—	—	650,000	61	29,770	—	—	—	—	—	—	—	—	—	650,000	61	11,940	.929
.930	636,000	36/1	13,450	—	—	—	—	—	—	—	—	—	—	—	—	650,000	91	12,630	.930
.940	636,000	18/1	15,830	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.940
.953	556,500	30/7	27,200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.953
.953	605,000	24/7	21,500	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.953
.953	653,900	18/3	14,850	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.953
.953	666,600	36/1	14,100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.953
.964	—	—	—	700,000	61	31,820	—	—	—	—	—	—	—	—	—	700,000	61	12,860	.964
.966	605,000	26/7	24,100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.966
.974	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	715,500	37	12,640	.974
.975	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	715,500	61	13,150	.975
.977	636,000	24/7	22,600	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.977
.987	715,500	36/1	14,900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.987
.990	636,000	26/7	25,000	—	—	—	—	—	—	740,800	37	37 19,110	—	—	—	—	—	—	.990
.994	605,000	30/19	30,000	—	—	—	746,100	37	24,266	—	—	—	—	—	—	—	—	—	.994
.998	—	—	—	750,000	61	13,510	—	—	—	—	—	—	—	—	—	750,000	61	34,090	.998
1.000	666,600	24/7	23,700	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.000
1.010	—	—	—	—	—	—	—	—	—	—	—	—	7	37	100,700	—	—	—	1.010
1.019	636,000	30/19	31,500	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.019
1.026	—	—	—	795,000	37	13,770	—	—	—	—	—	—	—	—	—	—	—	—	1.026
1.028	—	—	—	795,000	61	14,330	—	—	—	—	—	—	—	—	—	—	—	—	1.028
1.031	—	—	—	800,000	61	14,410	—	—	—	—	—	—	—	—	—	800,000	61	36,360	1.031
1.036	715,500	54/7	26,300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.036
1.040	795,000	36/1	16,540	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.040
1.051	715,500	26/7	28,100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.051
1.063	795,000	45/7	22,900	—	—	—	—	—	—	—	—	—	—	—	—	850,000	61	38,270	1.063
1.077	—	—	—	874,500	37	14,830	—	—	—	—	—	—	—	—	—	—	—	—	1.077
1.078	—	—	—	874,500	61	15,760	—	—	—	—	—	—	—	—	—	—	—	—	1.078
1.081	715,500	30/19	34,600	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.081
1.092	795,000	24/7	27,900	900,000	37	15,270	—	—	—	—	—	—	—	—	—	900,000	37	39,510	1.092
1.093	795,000	54/7	28,500	900,000	91	17,180	—	—	—	—	—	—	—	—	—	—	—	—	1.093
1.094	—	—	—	900,000	61	15,900	—	—	—	—	—	—	—	—	—	900,000	61	40,520	1.094
1.108	795,000	26/7	31,200	—	—	—	—	—	—	927,200	37	23,590	—	—	—	—	—	—	1.108
1.112	—	—	—	—	—	—	932,600	37	30,300	—	—	—	—	—	—	—	—	—	1.112
1.124	—	—	—	954,000	37	16,180	—	—	—	—	—	—	—	—	—	—	—	—	1.124

CONDUCTOR QUICK REFERENCE CHART

Con-ductor Dia	ACSR			ALL ALUMINUM			HIGH STRENGH ALL ALUMINUM (6201 ALLOY)			HIGH STRENGH ALL ALUMINUM (5005 ALLOY)			ALUMOWELD			COPPER			Con-ductor Dia.
	Cable Size A.W.G. or C.M.	No. of Strs.	Rated Ulti-mate	Cable Size A.W.G. or C.M.	No. of Strs.	Rated Ulti-mate	Cable Size A.W.G. or C.M.	No. of Strs.	Rated Ulti-mate	Cable Size A.W.G. or C.M.	No. of Strs.	Rated Ulti-mate	Cable Size A.W.G.	No. of Strs.	Rated Ulti-mate	Cable Size A.W.G. or C.M.	No. of Strs.	Rated Ulti-mate	
1.126	—	—	—	954,000	61	16,860	—	—	—	—	—	—	—	—	—	—	—	—	1.126
1.131	900,000	45/7	25,400	—	—	—	—	—	—	—	—	—	6	37	120,200	—	—	—	1.131
1.140	795,000	30/19	38,400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.140
1.140	954,000	36/1	19,520	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.140
1.146	874,500	54/7	31,400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.146
1.152	—	—	—	1,000,000	61	17,670	—	—	—	—	—	—	—	—	—	1,000,000	61	45,030	1.152
1.162	900,000	54/7	32,300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.162
1.165	954,000	45/7	26,900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.165
1.170	—	—	—	1,033,500	37	17,530	—	—	—	—	—	—	—	—	—	—	—	—	1.170
1.172	—	—	—	1,033,500	61	18,260	—	—	—	—	—	—	—	—	—	—	—	—	1.172
1.186	1,033,500	36/1	21,100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.186
1.196	954,000	54/7	34,200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.196
1.209	—	—	—	1,100,000	91	20,210	—	—	—	—	—	—	—	—	—	—	—	—	1.209
1.213	1,033,500	45/7	28,900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.213
1.216	—	—	—	1,113,000	61	19,660	—	—	—	—	—	—	—	—	—	—	—	—	1.216
1.246	1,033,500	54/7	37,100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.246
1.258	—	—	—	1,192,500	61	21,000	—	—	—	—	—	—	—	—	—	—	—	—	1.258
1.259	1,113,000	45/7	30,900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.259
1.263	—	—	—	1,200,000	91	21,630	—	—	—	—	—	—	—	—	—	—	—	—	1.263
1.270	—	—	—	—	—	—	—	—	—	—	—	—	5	37	142,800	—	—	—	1.270
1.288	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,250,000	61	55,670	1.288
1.289	—	—	—	1,250,000	91	22,530	—	—	—	—	—	—	—	—	—	1,250,000	91	56,280	1.289
1.293	1,113,000	54/9	40,200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.293
1.300	—	—	—	1,272,000	61	22,000	—	—	—	—	—	—	—	—	—	—	—	—	1.300
1.302	1,192,500	45/7	33,200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.302
1.314	—	—	—	1,300,000	91	23,430	—	—	—	—	—	—	—	—	—	—	—	—	1.314
1.333	1,192,500	54/19	43,100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.333
1.340	—	—	—	1,351,500	61	23,400	—	—	—	—	—	—	—	—	—	—	—	—	1.340
1.345	1,272,000	45/7	35,400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.345
1.364	—	—	—	1,400,000	91	24,750	—	—	—	—	—	—	—	—	—	—	—	—	1.364
1.379	—	—	—	1,431,000	61	24,300	—	—	—	—	—	—	—	—	—	—	—	—	1.379
1.382	1,272,000	54/19	44,800	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.382
1.385	1,351,500	45/7	37,600	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.385
1.386	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.386
1.411	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,500,000	61	65,840	1.411
1.412	—	—	—	1,500,000	91	26,500	—	—	—	—	—	—	—	—	—	1,500,000	91	67,540	1.412
1.417	—	—	—	1,510,500	61	25,600	—	—	—	—	—	—	—	—	—	—	—	—	1.417
1.424	1,351,500	54/19	47,600	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.424
1.427	1,431,000	45/7	39,800	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.427
1.454	—	—	—	1,590,000	61 91	27,000 28,100	—	—	—	—	—	—	—	—	—	—	—	—	1.454
1.459	—	—	—	1,600,000	127	28,840	—	—	—	—	—	—	—	—	—	—	—	—	1.459
1.465	1,431,000	54/19	50,400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.465
1.466	1,510,500	45/7	41,600	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.466
1.502	1,590,000	45/7	43,800	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.502
1.504	—	—	—	1,700,000	127	30,630	—	—	—	—	—	—	—	—	—	—	—	—	1.504
1.506	1,510,500	54/19	53,200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.506
1.526	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,750,000	91	77,930	1.526

CONDUCTOR QUICK REFERENCE CHART

Con-ductor Dia	ACSR			ALL ALUMINUM			HIGH STRENGH ALL ALUMINUM (6201 ALLOY)			HIGH STRENGH ALL ALUMINUM (5005 ALLOY)			ALUMOWELD			COPPER			Con-ductor Dia.
	Cable Size A.W.G. or C.M.	No. of Strs.	Rated Ulti-mate	Cable Size A.W.G. or C.M.	No. of Strs.	Rated Ulti-mate	Cable Size A.W.G. or C.M.	No. of Strs.	Rated Ulti-mate	Cable Size A.W.G. or C.M.	No. of Strs.	Rated Ulti-mate	Cable Size A.W.G.	No. of Strs.	Rated Ulti-mate	Cable Size A.W.G. or C.M.	No. of Strs.	Rated Ulti-mate	
1.526	—	—	—	1,750,000	127	16,860	—	—	—	—	—	—	—	—	—	1,750,000	127	78,800	1.526
1.545	1,590,000	54/19	56,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.545
1.548	—	—	—	1,800,000	127	32,450	—	—	—	—	—	—	—	—	—	—	—	—	1.548
1.590	—	—	—	1,900,000	127	33,570	—	—	—	—	—	—	—	—	—	—	—	—	1.590
1.602	1,780,000	84/19	53,600	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.602
1.630	—	—	—	2,000,000	91	34,600	—	—	—	—	—	—	—	—	—	2,000,000	91	87,790	1.630
1.632	—	—	—	2,000,000	127	35,340	—	—	—	—	—	—	—	—	—	2,000,000	127	90,050	1.632
1.737	2,167,000	72/7	50,900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.737
1.762	2,156,000	84/19	63,400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.762
1.823	—	—	—	2,500,000	91	42,000	—	—	—	—	—	—	—	—	—	2,500,000	91	109,600	1.823
1.824	—	—	—	2,500,000	127	43,300	—	—	—	—	—	—	—	—	—	2,500,000	127	111,300	1.824
1.996	—	—	—	3,000,000	127	50,800	—	—	—	—	—	—	—	—	—	—	—	—	1.996
1.998	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3,000,000	127	131,700	1.998
1.998	—	—	—	3,000,000	169	53,010	—	—	—	—	—	—	—	—	—	3,000,000	169	134,400	1.998
2.158	—	—	—	3,500,000	127	59,400	—	—	—	—	—	—	—	—	—	3,500,000	127	153,400	2.158

ALUMINUM CONDUCTOR STEEL REINFORCED ACSR

CODE WORD	CIR MILS OR AWG	STRANDING	DIAMETER (INCHES)				ULTIMATE STRENGTH	WT/1000 FT.
			BARE	FORMED	TAPERED	FORMED LINE GUARDS		
Turkey	6	6/1	.198	.440	—	.440	1170	36.1
Swan	4	6/1	.250	.542	—	.492	1830	57.4
Swanate	4	7/1	.257	.549	—	.499	2288	67.1
Sparrow	2	6/1	.316	.588	—	.588	2790	91.3
Sparate	2	7/1	.325	.597	—	.567	3525	106.7
Robin	1	6/1	.355	.647	—	.597	3480	115.2
Raven	1/0	6/1	.398	.732	—	.630	4280	145.2
Quail	2/0	6/1	.447	.781	.835	.689	5345	183.1
Pigeon	3/0	6/1	.502	.836	.938	.744	6675	230.9
Penguin	4/0	6/1	.563	.927	1.051	.805	8420	291.1
Waxwing	266800	18/1	.609	.973	1.125	.901	6840	289.7
Owl	266800	6/7	.633	.997	1.179	.925	9645	343.3
Partridge	266800	26/7	.642	1.006	1.188	.934	11250	367.3
Ostrich	300000	26/7	.680	1.088	1.258	.972	12650	412.9
Merlin	336400	18/1	.684	1.092	1.262	.976	8625	365.3
Linnet	336400	26/7	.721	1.129	1.349	1.013	14050	463.0
Oriole	336400	30/7	.741	1.149	1.369	1.033	17040	527.1
Chickadee	397500	18/1	.743	1.151	1.371	1.035	10040	431.0
Brandt	397500	24/7	.772	1.180	—	1.064	14690	512.1
Ibis	397500	26/7	.783	1.283	1.447	1.075	16190	547.2
Lark	397500	30/7	.806	1.306	1.490	1.098	19980	622.8
Pelican	477000	18/1	.814	1.314	1.518	1.106	11870	518.0
Flicker	477000	24/7	.846	1.346	1.570	1.138	17200	614.5
Hawk	477000	26/7	.858	1.358	1.602	1.150	19430	656.6
Hen	477000	30/7	.883	1.383	1.649	1.175	23300	747.3
Osprey	556500	18/1	.879	1.379	1.623	1.213	13850	604.0
Parakeet	556500	24/7	.914	1.414	1.702	1.248	19850	717.0
Dove	556500	26/7	.927	1.427	1.715	1.261	22400	766.0
Eagle	556500	30/7	.953	1.453	1.763	1.287	27200	872.0
Peacock	605000	24/7	.953	1.453	1.763	1.287	21500	779.0
Duck	605000	54/7	.953	1.453	—	1.287	22500	779.0
Squab	605000	26/7	.966	1.466	1.798	1.330	24100	833.0
Teal	605000	30/19	.994	1.614	1.850	1.358	30000	939.0
Swift	636000	36/1	.930	1.430	1.718	1.264	13450	644.0
Kingbird	636000	18/1	.940	1.440	—	1.274	15830	691.0
Rook	636000	24/7	.977	1.597	1.809	1.341	22600	819.0
Grosbeak	636000	26/7	.990	1.610	1.846	1.354	25000	875.0
Egret	636000	30/19	1.019	1.639	1.901	1.383	31500	988.0
Flamingo	666000	24/7	1.000	1.620	1.856	1.364	23700	859.0
Gannet	666000	26/7	1.014	1.634	—	1.378	26200	918.0

ALUMINUM CONDUCTOR STEEL REINFORCED ACSR (CONTINUED)

CODE WORD	CIR MILS OR AWG	STRANDING	DIAMETER (INCHES)				ULTIMATE STRENGTH	WT/1000 FT.
			BARE	FORMED	TAPERED	FORMED LINE GUARDS		
Crow	715500	54/7	1.036	1.656	1.918	1.400	26300	921.0
Stilt	715500	24/7	1.036	1.656	1.918	1.400	25500	921.0
Starling	715500	26/7	1.051	1.671	1.959	1.459	28100	985.0
Redwing	715500	30/19	1.081	1.701	2.013	1.489	34600	1111.0
Coot	795000	36/1	1.040	1.660	1.922	1.448	16550	885.0
Tern	795000	45/7	1.063	1.683	1.971	1.471	22900	896.0
Cuckoo	795000	24/7	1.092	1.712	—	1.500	27900	1024.0
Condor	795000	54/7	1.093	1.713	2.025	1.501	28500	1024.0
Drake	795000	26/7	1.108	1.728	2.040	1.608	31200	1094.0
Mallard	795000	30/19	1.140	1.760	2.128	1.640	38400	1235.0
Ruddy	900000	45/7	1.131	1.766	2.153	1.631	25400	1015.0
Canary	900000	54/7	1.162	1.782	2.150	1.662	32300	1159.0
Catbird	954000	36/1	1.140	1.760	—	1.640	19520	966.0
Rail	954000	45/7	1.165	1.785	2.153	1.665	26900	1075.0
Cardinal	954000	54/7	1.196	1.816	1.984	1.696	34200	1229.0
Tanager	1033500	36/1	1.140	1.760	—	1.640	21100	1046.0
Ortolan	1033500	45/7	1.213	1.943	2.023	1.713	28900	1165.0
Curlew	1033500	54/7	1.246	1.976	2.078	1.746	37100	1331.0
Bluejay	1113000	45/7	1.259	1.989	2.091	1.759	30900	1255.0
Finch	1113000	54/19	1.293	2.023	2.149	1.793	40200	1431.0
Bunting	1192500	45/7	1.302	2.032	2.158	1.802	33200	1344.0
Grackle	1192500	54/19	1.338	2.068	2.220	1.833	43100	1533.0
Skylark	1272000	36/1	1.316	2.046	2.198	1.816	—	1434.0
Bittern	1272000	45/7	1.345	2.075	2.227	1.845	35400	1434.0
Pheasant	1272000	54/19	1.382	2.112	2.290	1.882	44800	1635.0
Dipper	1351500	45/7	1.385	2.115	2.152	1.886	37600	1523.0
Martin	1351500	54/19	1.424	2.296	2.190	2.044	47600	1737.0
Bobolink	1431000	45/7	1.427	2.229	2.215	2.047	39800	1613.0
Plover	1431000	54/19	1.465	2.337	2.253	2.085	50400	1840.0
Nuthatch	1510500	45/7	1.466	2.338	2.276	2.086	41600	1702.0
Parrot	1510500	54/19	1.506	2.378	2.316	2.126	53200	1942.0
Lapwing	1590000	45/7	1.502	2.374	2.312	2.122	43800	1792.0
Falcon	1590000	54/19	1.545	2.417	2.377	—	56000	2044.0
Chukar	1780000	84/19	1.602	2.474	2.472	—	53600	2074.0
Bluebird	2156000	84/19	1.762	2.634	2.462	—	63400	2511.0
Kiwi	2167000	72/7	1.737	2.609	2.437	—	50900	2303.0
Thrasher	2312000	76/19	1.802	2.786	—	—	56700	2526.0
Joree	2515000	76/19	1.802	2.786	—	—	61700	2749.0

ALL-ALUMINUM CONDUCTOR

CODE WORD	CIR MILS OR AWG	STRAND-ING	DIAMETER (INCHES)				ULTIMATE STRENGTH	WT/1000 FT.
			BARE	FORMED	TAPERED	FORMED LINE GUARDS		
Peachbell	6	7	.184	.426	—	.388	528	24.6
Rose	4	7	.232	.474	—	.474	826	39.2
Iris	2	7	.292	.584	—	.534	1266	62.3
Pansy	1	7	.328	.620	—	.570	1537	78.5
Poppy	1/0	7	.368	.660	—	.610	1865	99.1
Aster	2/0	7	.414	.706	—	.656	2350	124.9
Phlox	3/0	7	.464	.798	.864	.706	2845	157.5
Oxlip	4/0	7	.522	.856	.970	.764	3590	198.6
Daisy	266800	7	.586	.950	1.095	.828	4525	250.4
Laurel	266800	19	.593	.957	1.095	.885	4800	250.4
Peony	300000	19	.629	.993	1.153	.921	5301	281.6
Tulip	336400	19	.666	1.030	1.228	.958	5940	315.8
Canna	397500	19	.724	1.132	1.352	1.016	6880	373.2
Comos	477000	19	.793	1.293	1.479	1.085	8090	447.8
Syringa	477000	37	.795	1.295	1.479	1.087	8600	447.8
Zinnia	500000	19	.812	1.312	—	1.104	8482	469.4
Dahlia	556500	19	.856	1.356	1.600	1.148	9440	522.4
Mistletoe	556500	37	.858	1.358	1.600	1.150	9830	522.4
Orchid	636000	37	.918	1.418	1.706	1.252	11240	597.0
Violet	715500	37	.974	1.474	1.807	1.338	12640	671.6
Nasturtium	715500	61	.975	1.475	1.807	1.339	13150	671.6
Petunia	750000	37	.997	1.617	—	1.361	12440	704.0
Cattail	750000	61	.998	1.618	—	1.362	13510	704.0
Arbutus	795000	37	1.026	1.646	1.910	1.390	13770	746.3
Lilac	795000	61	1.028	1.648	1.910	1.392	14330	746.3
Anemone	874500	37	1.077	1.697	2.010	1.485	14830	821.0
Crocus	874500	61	1.078	1.698	2.010	1.486	15760	821.0
Magnolia	954000	37	1.124	1.744	2.058	1.624	16180	895.5
Goldenrod	954000	61	1.126	1.746	2.058	1.626	16860	895.5
Bluebell	1033500	37	1.170	1.790	1.960	1.670	17530	970.1
Larkspur	1033500	61	1.172	1.792	1.960	1.672	18260	970.1
Marigold	1113000	61	1.216	1.946	2.026	1.716	19660	1045.0
Narcissus	1272000	61	1.300	2.030	2.156	1.800	22000	1193.0
Carnation	1431000	61	1.379	2.109	2.287	1.879	24300	1343.0
Coreopsis	1590000	61	1.454	2.184	2.242	2.073	27000	1493.0
Dogwood	1590000	91	1.454	—	2.242	2.073	28100	1493.0

SELF-DAMPING ALUMINUM CONDUCTOR STEEL REINFORCED ACSR/SD

CODE WORD	TYPE	KCMIL	DIAMETER (INCHES)		Rated Strength Pounds	Reel Designation	Footage Per Reel	WEIGHT POUNDS						PERCENT OF TOTAL WT.	
								PER 1,000 FEET			PER MILE				
			Complete Conductor	Steel Core				TOTAL	ALUM.	STEEL	TOTAL	ALUM.	STEEL	ALUM.	STEEL
Titmouse/SD	5	266.8	0.593	0.117	6920	RM 66.32	14,000	286.9	250.6	36.3	1515	1323	192	87.3	12.7
Eider/SD	7	266.8	0.601	0.136	7610	RM 66.32	14,000	299.4	250.6	48.8	1581	1323	258	83.7	16.3
Spoonbill/SD	10	266.8	0.610	0.162	8450	RM 66.32	14,000	320.0	250.6	69.4	1689	1323	366	78.3	21.7
Partridge/SD	16	266.8	0.645	0.236	11350	RM 66.32	13,000	367.0	251.4	115.6	1937	1327	610	68.5	31.5
Cowbird/SD	5	336.4	0.667	0.132	8500	RM 66.32	12,000	361.9	316.1	45.8	1911	1669	242	87.3	12.7
Hummingbird/SD	7	336.4	0.664	0.153	9130	RM 66.32	12,000	377.7	316.1	61.6	1994	1669	325	83.7	16.3
Woodcock/SD	10	336.4	0.688	0.206	11000	RM 66.32	11,000	404.5	316.7	87.8	2136	1672	464	78.3	21.7
Linnet/SD	16	336.4	0.716	0.265	14300	RM 68.38	13,000	462.4	317.0	145.4	2442	1674	768	68.5	31.5
Erne/SD	5	397.5	0.717	0.143	9740	RM 66.32	10,000	427.7	373.5	54.2	2258	1972	286	87.3	12.7
Longspur/SD	7	397.5	0.725	0.166	10600	RM 68.38	13,000	446.1	373.4	72.7	2355	1972	383	83.7	16.3
Stork/SD	10	397.5	0.750	0.224	12900	RM 68.38	12,000	477.9	374.0	103.9	2523	1975	548	78.3	21.7
Ibis/SD	16	397.5	0.771	0.288	16400	RM 68.38	12,000	546.5	374.6	171.9	2886	1978	908	68.5	31.5
Kestrel/SD	5	477	0.787	0.157	11700	RM 68.38	11,000	513.3	448.4	64.9	2710	2367	343	87.3	12.7
Jackdaw/SD	7	477	0.798	0.182	12800	RM 68.38	11,000	535.9	448.6	87.3	2830	2369	461	83.7	16.3
Toucan/SD	10	477	0.824	0.245	15300	RM 68.38	10,000	573.4	448.9	124.5	3027	2370	657	78.3	21.7
Flicker/SD	13	477	0.843	0.282	17200	RMT 84.36	12,000	613.5	449.0	164.5	3240	2371	869	73.2	26.8
Hawk/SD	16	477	0.860	0.316	19500	RMT 84.36	11,000	655.8	449.4	206.4	3463	2373	1090	68.5	31.5
Blackbird/SD	5	556.5	0.843	0.169	13600	RM 68.38	10,000	599	523	76	3163	2761	402	87.3	12.7
Sunbird/SD	7	556.5	0.863	0.222	15500	RMT 84.36	11,000	625	523	102	3300	2761	539	83.7	16.3
Sapsucker/SD	10	556.5	0.882	0.265	17800	RMT 84.36	11,000	669	524	145	3532	2767	765	78.3	21.7
Parakeet/SD	13	556.5	0.901	0.305	20000	RMT 84.36	10,000	716	524	192	3781	2767	1014	73.2	26.8
Dove/SD	16	556.5	0.919	0.341	22600	RMT 84.36	10,000	765	524	241	4039	2767	1272	68.5	31.5
Pipit/SD	5	636	0.894	0.181	15600	RMT 84.36	11,000	685	598	87	3617	3157	460	87.3	12.7
Killdeer/SD	7	636	0.917	0.238	17700	RMT 84.36	10,000	715	598	117	3775	3157	618	83.6	16.4
Goldfinch/SD	10	636	0.935	0.284	20100	RMT 84.36	10,000	765	599	166	4039	3163	876	78.3	21.7
Rook,/SD	13	636	0.955	0.326	22900	RMT 84.36	9,000	818	599	219	4319	3163	1156	73.2	26.8
Grosbeak/SD	16	636	0.975	0.365	25400	RMT 84.36	9,000	874	599	275	4615	3163	1452	68.5	31.5
Macaw/SD	5	795	0.999	0.229	19800	EMR 90.45	14,000	856	747	109	4520	3944	576	87.3	12.7
Tern/SD	7	795	1.013	0.266	21900	RMT 90.45	13,000	893	747	146	4715	3944	771	83.6	16.4
Puffin/SD	10	795	1.034	0.317	25100	RMT 90.45	13,000	956	748	208	5048	3950	1098	78.3	21.7
Condor/SD	13	795	1.055	0.364	28200	RMT 90.45	12,000	1023	749	274	5401	3954	1447	73.2	26.8
Drake/SD	16	795	1.077	0.408	31800	RMT 90.45	11,000	1093	749	344	5771	3955	1816	68.5	31.5
Phoenix/SD	5	954	1.088	0.251	23700	RMT 90.45	11,000	1027	897	130	5423	4736	687	87.3	12.7
Rail/SD	7	954	1.103	0.291	26100	RMT 90.45	11,000	1073	897	176	5665	4736	929	83.6	16.4
Cardinal/SD	13	954	1.147	0.399	33500	RMT 90.45	10,000	1227	898	329	6478	4741	1737	73.2	26.8
Snowbird/SD	5	1033.5	1.185	0.261	25900	RMT 90.45	10,000	1115	974	141	5887	5143	744	87.3	12.7
Ortolan/SD	7	1033.5	1.145	0.303	28100	RMT 90.45	10,000	1161	971	190	6130	5127	1003	83.6	16.4
Curlew/SD	13	1033.5	1.191	0.415	36300	RMT 90.45	9,000	1329	973	356	7017	5137	1880	73.2	26.8
Avocet/SD	5	1113	1.226	0.271	27500	RMT 90.45	9,000	1200	1048	152	6336	5533	803	87.3	12.7
Bluejay/SD	7	1113	1.242	0.315	30300	RMT 90.45	9,000	1254	1049	205	6621	5539	1082	83.7	16.3
Finch/SD	3	1113	1.233	0.431	39100	RMT 90.45	9,000	1424	1048	376	7519	5533	1985	73.6	26.4
Oxbird/SD	5	1192.5	1.266	0.281	29500	RMT 90.45	9,000	1286	1123	163	6790	5929	861	87.3	12.7

SELF-DAMPING ALUMINUM CONDUCTOR STEEL REINFORCED ACSR/SD (CONTINUED)

CODE WORD	TYPE	KCMIL	DIAMETER (INCHES)		Rated Strength Pounds	Reel Designation	Footage Per Reel	WEIGHT POUNDS						PERCENT OF TOTAL WT.	
								PER 1,000 FEET			PER MILE				
			Complete Conductor	Steel Core				TOTAL	ALUM.	STEEL	TOTAL	ALUM.	STEEL	ALUM.	STEEL
Bunting/SD	7	1192.5	1.284	0.326	32400	RMT 90.45	8,000	1343	1124	219	7091	5935	1156	83.7	16.3
Grackle/SD	13	1192.5	1.274	0.446	41900	RMT 90.45	8,000	1526	1123	403	8057	5929	2128	73.6	26.4
Scissortail/SD	5	1272	1.305	0.290	31400	RMT 96.60	12,000	1372	1198	174	7244	6325	919	87.3	12.7
Bittern/SD	7	1272	1.323	0.336	34600	RMT 96.60	12,000	1433	1199	234	7567	6331	1236	83.7	16.3
Pheasant/SD	13	1272	1.378	0.461	44100	RMT 96.60	12,000	1631	1202	429	8611	6347	2265	73.7	26.3
Ringdove/SD	5	1351.5	1.344	0.299	33400	RMT 96.60	12,000	1458	1273	185	7698	6721	977	87.3	12.7
Dipper/SD	7	1351.5	1.361	0.347	36700	RMT 96.60	12,000	1522	1274	248	8036	6727	1309	83.7	16.3
Frigate/SD	10	1351.5	1.389	0.413	41700	RMT 96.60	11,000	1629	1276	353	8601	6737	1864	78.3	21.7
Martin/SD	13	1351.5	1.417	0.475	46800	RMT 96.60	11,000	1733	1277	456	9150	6742	2408	73.7	26.3
Popinjay/SD	5	1431	1.381	0.308	35300	RMT 96.60	11,000	1544	1348	196	8152	7117	1035	87.3	12.7
Bobolink/SD	7	1431	1.398	0.357	38900	RMT 96.60	11,000	1612	1349	263	8511	7122	1389	83.7	16.3
Plover/SD	13	1431	1.448	0.489	49600	RMT 96.60	11,000	1835	1352	483	9689	7139	2550	73.7	26.3
Ratite/SD	5	1590	1.463	0.325	39100	RMT 96.60	10,000	716	1498	218	9060	7909	1151	87.3	12.7
Lapwing/SD	7	1590	1.463	0.376	42600	RMT 96.60	10,000	1791	1499	292	9456	7914	1542	83.7	16.3
Falcon/SD	13	1590	1.521	0.515	55100	RMT 96.60	9,000	2039	1502	537	10766	7931	2835	73.7	26.3
Smew/SD	5	1780	1.531	0.343	43600	RMT 96.60	9,000	1921	1677	244	10143	8855	1288	87.3	12.7
Chukar/SD	8	1780	1.565	0.437	51100	RMT 96.60	9,000	2068	1681	387	10919	8876	2043	81.3	18.7
Cockatoo/SD	5	2156	1.731	0.378	52500	RMT 96.60	7,500	2331	2036	295	12308	10750	1558	87.3	12.7
Bluebird/SD	8	2156	1.716	0.481	60700	RMT 96.60	7,500	2504	2036	468	13221	10750	2471	81.3	18.7
Kiwi/SD	4	2167	1.725	0.347	50700	RMT 96.60	7,000	2296	2047	249	12123	10808	1315	89.2	10.8

Meets latest revision of ASTM B232 where applicable, and ASTM B498

ALUMINUM CONDUCTOR ALLOY REINFORCED ACAR

CIR MILS OR AWG	STRANDING	DIAMETER (INCHES)		ULTIMATE STRENGTH	WT/1000 FT.
		BARE	FORMED ROD		
355,000	15/4	0.684	1.572	8,095	333.3
355,000	12/7	0.684	1.572	8,940	333.3
503,600	15/4	0.814	1.878	11,200	472.7
503,600	12/7	0.814	1.878	12,430	472.7
653,100	15/4	0.927	2.104	14,500	613.1
653,800	12/7	0.927	2.104	16,100	613.1
739,800	33/4	0.990	2.290	14,850	694.5
739,800	30/7	0.990	2.290	16,400	694.5
739,800	24/13	0.990	2.290	18,250	694.5
739,800	18/19	0.990	2.290	20,100	694.5
819,200	30/7	1.042	2.394	18,150	768.9
840,200	24/13	1.055	2.420	20,500	788.7
853,700	30/7	1.063	2.436	18,650	801.4
853,700	24/13	1.063	2.436	20,840	801.4
853,700	18/19	1.063	2.436	23,030	801.4
862,700	18/19	1.069	2.448	23,300	809.7
927,200	30/7	1.108	2.526	20,300	870.4
927,200	24/13	1.108	2.526	22,600	870.4
927,200	18/19	1.108	2.526	25,000	870.4
983,100	30/7	1.141	2.592	21,450	922.8
1,012,200	24/13	1.158	2.626	24,700	950.2
1,024,500	30/7	1.165	2.640	22,381	961.6
1,024,500	24/13	1.165	2.640	25,010	961.6
1,024,500	18/19	1.165	2.640	27,700	961.6
1,081,000	30/7	1.196	2.702	23,620	1015.0
1,081,000	24/13	1.196	2.702	26,330	1015.0
1,081,000	18/19	1.196	2.702	29,160	1015.0
1,109,000	30/7	1.212	2.789	24,200	1041.0
1,109,000	24/13	1.212	2.789	27,050	1041.0
1,109,000	18/19	1.212	2.789	29,900	1041.0
1,172,000	33/4	1.246	2.857	23,100	1100.0
1,172,000	30/7	1.246	2.857	25,600	1100.0
1,172,000	24/13	1.246	2.857	28,600	1100.0
1,172,000	18/19	1.246	2.857	31,630	1100.0
1,198,000	30/7	1.259	2.883	26,180	1124.0
1,198,000	24/13	1.259	2.883	29,250	1124.0
1,198,000	18/19	1.259	2.883	32,320	1124.0
1,280,000	30/7	1.302	2.969	27,960	1201.0
1,280,000	24/13	1.302	2.969	31,250	1201.0
1,280,000	18/19	1.302	2.969	34,530	1201.0

ALUMINUM CONDUCTOR ALLOY REINFORCED ACAR (CONTINUED)

CIR MILS OR AWG	STRANDING	DIAMETER (INCHES)		ULTIMATE STRENGTH	WT/1000 FT.
		BARE	FORMED ROD		
1,361,000	54/7	1.345	3.055	27,450	1278.0
1,361,000	42/19	1.345	3.055	32,750	1278.0
1,703,000	54/7	1.504	3.444	35,220	1599.0
1,703,000	48/13	1.504	3.444	37,860	1599.0
1,703,000	42/19	1.504	3.444	40,520	1599.0
1,933,000	54/7	1.602	3.640	39,900	1814.0
1,933,000	48/13	1.602	3.640	42,960	1814.0
1,933,000	42/19	1.602	3.640	45,970	1814.0
2,267,000	54/7	1.735	3.906	44,750	2127.0
2,267,000	48/13	1.735	3.906	50,000	2127.0
2,267,000	42/19	1.735	3.906	53,350	2127.0
2,338,000	54/7	1.762	3.960	46,140	2194.0
2,338,000	48/13	1.762	3.960	51,600	2194.0
2,338,000	42/19	1.762	3.960	55,000	2194.0
2,493,000	72/19	1.821	4.078	55,200	2341.0
2,493,000	63/28	1.821	4.078	59,100	2341.0
2,493,000	54/37	1.821	4.078	63,000	2341.0

ALUMOWELD CONDUCTOR

NO. AND SIZE OF WIRES	CIR. MILS	DIAMETER (INCHES)		ULTIMATE STRENGTH	WT/1000 FT.
		BARE	FORMED ROD		
Solid Wire 12	6,530	.08081	—	1,000	14.65
11	8,234	.09074	—	1,261	18.47
10	10,380	.1019	—	1,590	23.29
9	13,090	.1144	—	2,005	29.37
8	16,510	.1285	—	2,529	37.03
7	20,820	.1443	—	3,025	46.69
6	26,250	.1620	—	3,608	58.88
5	33,100	.1819	—	4,290	74.25
4	41,740	.2043	—	5,081	93.63
Strand 3 No. 10	31,150	.220	.424	4,532	70.43
3 No. 9	39,280	.247	.451	5,715	88.81
3 No. 8	49,530	.277	.505	7,206	112.0
3 No. 7	62,450	.311	.539	8,621	141.2
3 No. 6	78,750	.349	.577	10,280	178.1
3 No. 5	99,310	.392	.648	12,230	224.5
7 No. 12	45,710	.242	.446	6,301	103.6
7 No. 11	57,640	.272	.500	7,945	130.6
7 No. 10	72,680	.306	.534	10,020	164.7
7 No. 9	115,600	.343	.571	12,630	207.6
7 No. 8	115,600	.385	.641	15,930	261.8
7 No. 7	145,700	.433	.689	19,060	330.0
7 No. 6	183,800	.486	.774	22,730	416.3
7 No. 5	231,700	.546	.870	27,030	524.9
19 No. 10	197,300	.509	—	27,190	448.7
19 No. 9	248,800	.572	—	34,290	565.8
19 No. 8	313,700	.642	—	43,240	713.5
19 No. 7	395,500	.721	—	51,730	899.5
19 No. 6	498,800	.810	—	61,700	1134.0
19 No. 5	628,900	.910	—	73,350	1430.0
37 No. 10	384,200	.713	—	52,950	879.0
37 No. 9	484,400	.801	—	66,770	1108.0
37 No. 8	610,900	.899	—	84,200	1398.0
37 No. 7	770,300	1.01	—	100,700	1762.0
37 No. 6	971,300	1.13	—	120,200	2222.0
37 No. 5	1,225,000	1.27	—	142,800	2802.0

GALVANIZED STEEL GUY WIRE

CONDUCTOR SIZE	NUMBER OF STRANDS	DIAMETER (INCHES)		ULTIMATE STRENGTH POUNDS					WT/1000 FT.
		BARE	FORMED ROD	COMMON GRADE	SIEMENS MARTIN GRADE	HIGH-STRENGTH GRADE	EXTRA HIGH STRENGTH GRADE	UTILITIES GRADE	
1/8	7	.123	—	540	910	1330	1830	—	31.8
5/32	7	.156	—	870	1470	2140	2940	—	51.3
3/16	7	.186	—	1150 —	1900 —	2850 —	3990 —	— 2400	72.9 80.3
7/32	7	.216	—	1540	2560	3850	5400	—	98.3
1/4	3 3 7	.259 .259 .240	.431 .431 .412	— — 1900	— — 3150	— — 4750	— — 6650	3150 4500 —	116.7 116.7 121.0
9/32	7	.279	—	2570	4250	6400	8950	4600	164.0
5/16	3 7 7	.312 .312 .327	.512 .512 .527	— 3200 —	— 5350 —	— 8000 —	— 11200 —	6500 — 6000	170.6 205.0 225.0
3/8	3 7	.356 .360	.556 .560	— 4250	— 6950	— 10800	— 15400	8500 11500	220.3 273.0
7/16	7	.435	.733	5700	9350	14500	20800	18000	399.0
1/2	7 19	.495 .500	.771 .776	7400 7620	12100 12700	18800 19100	26900 26700	25000 —	517.0 504.0
9/16	7 19	.564 .565	—	9600 7620	15700 12700	24500 19100	35000 26700	—	671.0 504.0
5/8	7 19	.621 .625	—	16000 11000	19100 18100	29600 28100	42400 40200	—	813.0 796.0
3/4	19	.750	—	16000	26200	40800	58300	—	1155.0
7/8	19	.885	—	21900	35900	55800	79700	—	1581.0
1	19 37	1.000 1.001	—	28700 28300	47000 46200	73200 71900	104500 102700	—	2073.0 2057.0
1-1/8	37	1.127	—	28300	58900	91600	130800	—	2691.0
1-1/4	37	1.253	—	44600	73000	113600	162200	—	3248.0

About Hubbell Power Systems

Hubbell Power Systems (HPS) manufactures a wide variety of transmission, distribution, substation, OEM and telecommunications products used by utilities. HPS products are also used in the civil construction, transportation, gas and water industries. Our product line includes construction and switching products, tools, insulators, arresters, pole line hardware, cable accessories, test equipment, transformer bushings and polymer precast enclosures and equipment pads.

Because Hubbell has a policy of continuous product improvement. We reserve the right to change design and specifications without notice.

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