

- Compression Connectors
- Automatic Connectors
- Wedge Clamps
- Mechanical Connectors
- Grounding Connectors
- Installation Dies and Tools



Product Selection Guide

Blackburn[®]

THOMAS & BETTS...

A recognized world leader in the design and manufacture of innovative products for the electrical industry.

For over 100 years, Thomas & Betts has successfully applied innovative design and manufacturing techniques to meet the changing needs of the marketplace. Today, we offer more than 100,000 electrical items, components and systems to terminate, connect, fasten, protect and identify wires, components and conduits. Many well-known brands, like Blackburn, complement the vast assortment of products and services that makes T&B one of the largest and best sources of electrical components in North America.

Maintaining the technical excellence of existing products along with new product innovation is central to the way we do business. That's why we invest considerably more in research and development than the industry average.

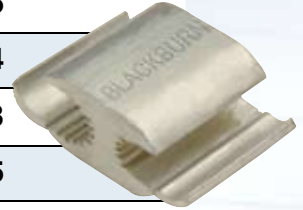
Our commitment to lean manufacturing and Six-Sigma initiatives is to provide you with innovative, cost-effective products and systems that are supported by our quality processes. This ensures that we remain sensitive to your needs and focused on providing you with quality products, and superior service to enhance your abilities to be a reliable electric power provider.

Thomas & Betts maintains a nationwide network of stocking electrical utility distributors. Our customer service capability is unmatched in the industry. Our heavy investment into world class manufacturing, order processing systems, and warehousing was designed to meet our customer service needs promptly and efficiently. We also maintain a substantial inventory of critical, storm related items essential for the quick restoration of electric power.

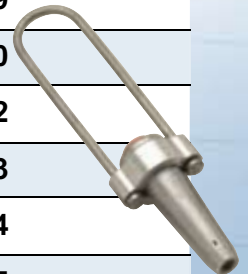
With quality product design and superior product performance, backed with outstanding customer service, Thomas & Betts delivers the solutions that allow you to build a reliable electric system of the future.

Compression Connectors

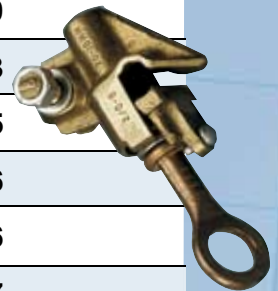
Product Overview	Pg. 5
Compression H-Tap Connectors	6-14
Service Entrance Connectors	14-18
Distribution Compression Connectors (Splices and Terminals)	19-25
Compression Stirrup Connectors	26-28

**Automatic Connectors & Wedge Clamps**

Product Overview	Pg. 29
Automatic Splices for Aluminum	30
Automatic Deadends for Aluminum	31-32
Guystrand Deadends	33
Guystrand Splices	34
Service Wedge Clamps	35

**Mechanical Connectors**

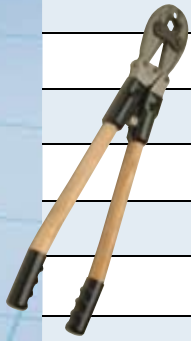
Product Overview	Pg. 37
Split Bolt Connectors	38-39
Mechanical Service Entrance Connectors	40
Parallel Groove Connectors	41-43
Two-Bolt Connectors	44-45
Cross Tap Clamps	46
Dead-End Clamps	46
Hot Line Clamps	47
Multi-Bolt Connectors	48

**Grounding Connectors & Accessories**

Product Overview	Pg. 49
Ground Rod Clamps and Accessories	50-52
Ground Plates	53
Mechanical Grounding Connectors	54

*continued*

Installation Dies & Tools



Product Overview	Pg. 55
Ground Clamp Adapter	56
Manual Compression Tools	56
Manual Hydraulic Tools	57
Battery-Operated Hydraulic Tools	58-59
Service and Warranty Information	60
Tool Die Selection Chart	61-62
Chemicals, Sealant and Lubricants	63

Reference Tables

Competitive Cross Reference	Pg. 64-76
Tool Cross Reference	77
Conductor Cross Reference	78-86

Alphanumeric Index

Index	Pg. 87-89
-------	-----------



Type WR
Wide Range
Compression
Connectors
Pages 6-12



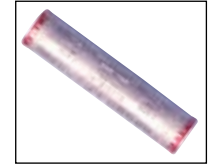
Type CF
Copper Compression
Tap Connectors
Page 13



Type C
Compression Tap
Covers
Page 14



Type CS, CSC
5/8" Service Entrance
Sleeves With Cover
Page 14



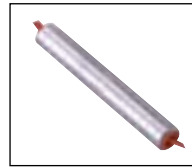
Type KL
Large Compression
Service Entrance Sleeves
Page 15



Type ICS
5/8" Insulated Service
Entrance Sleeves
Page 16



Type IKL
Insulated Large
Service Entrance
Sleeves
Page 17



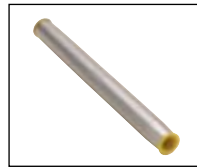
Type TR
Triplex Neutral Splices
Page 18



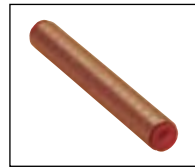
Type RS
Non-Tension
Aluminum Splices
Page 18



Type ACJ, RCJ
Aluminum Jumper
Sleeves
Pages 19, 20



Type AC, RC
Full Tension
Aluminum Splices
Pages 21,22



Type CTS
Copper Full Tension
Splices
Page 23



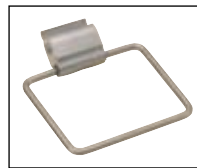
Type PCS, PKL, PRS
Pigtail Compression
Sleeves
Page 23



Type AL
Aluminum
Compression
Terminal Lugs
Page 24



Type ALS
Aluminum
Compression
Terminal Lugs
Page 25



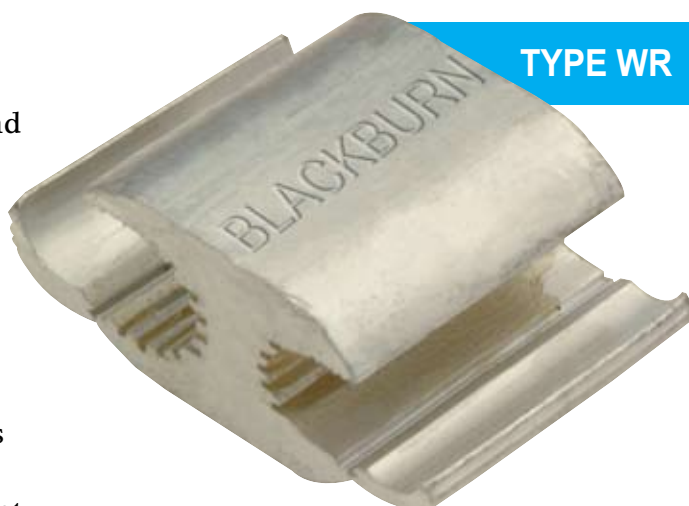
**Type WRQ, WRS,
SC, QC, CCS**
Compression Stirrups
Pages 26-28



Type LP
Line Protector
Sleeves
Page 28

Type WR – Wide Range Aluminum Tap Connectors

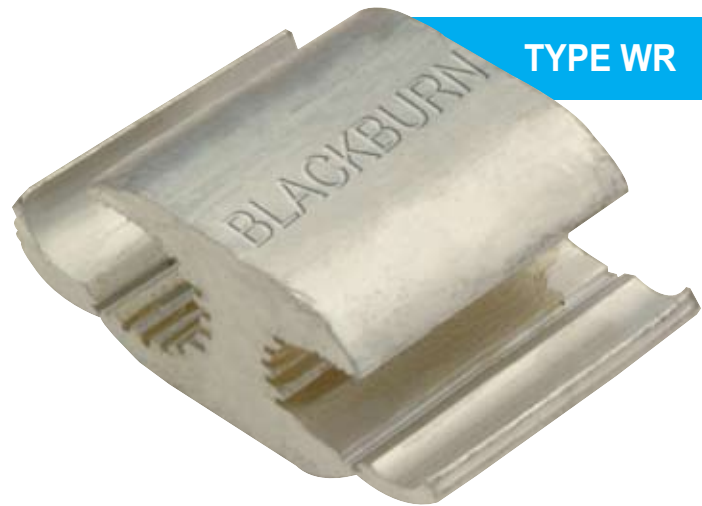
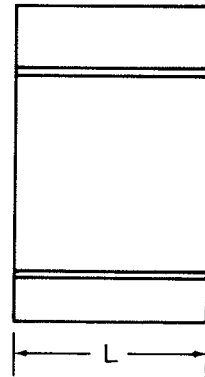
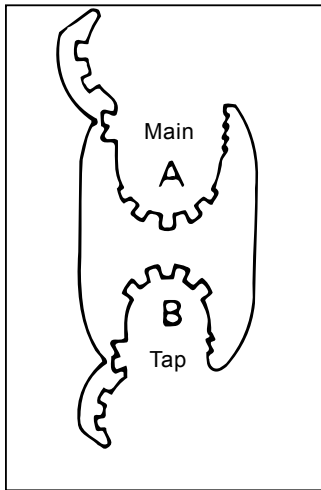
- For combinations of aluminum-aluminum and aluminum-copper conductors
- Pass the requirements of ANSI C119.4
- Standard compression tools and dies install all sizes
- Seven Connector Program provides superior connector performance, lower connection costs and simplified installation procedures
- Fold-in tabs provide positive tab interlock as tool closes
- Field-proven ribbed design provides excellent connector/conductor contact, without distorting the conductor's shape
- Made of 1350 aluminum alloy
- Pre-filled with an oxide inhibitor which is held captive in the rib/connection area
- RUS Listed
- For copper to copper combinations, use CF type shown on page 13.



TYPE WR

TYPE WR – “O” AND “D” DIE SEVEN CONNECTOR PROGRAM

Cat. No.	Connector No.	Conductor Range														Connector Length L	Installation Information		
		Standard Conductor						Compact Conductor				Diameter (in.)					Connector Die	No. Indents	
		Main			Tap			Main		Tap		Main		Tap				Mech. Tool	Hyd. Tool
		ACSR	Str.	Sol.	ACSR	Str.	Sol.	ACSR	Str.	ACSR	Str.	max.	min.	max.	min.				
WR159	1	2 4 6	1 2 3 4 6	2 4 6	2 4 6	1 2 3 4 6	2 3 4 6	1 2 3 4 6	1 2 3 4 6	1 2 3 4 6	.332	.162	.332	.162	1 ⁷ / ₁₆ "	O	4	2	
WR189	2	1/0 1 2	2/0 1/0 1 2	3/0 2/0 1/0 1	2 4 6	1 2 3 4 6	1/0 1 2 4 6	2/0 1/0 1 2	2/0 1/0 1 2	1 2 3 4 6	.419	.266	.332	.162	1 ¹¹ / ₁₆ "	O	5	2	
WR289	3	2/0 1/0	3/0 2/0	4/0 3/0	2 4 6	1 2 3 4 6	1/0 1 2 4 6	2/0 1/0 1 2	2/0 1/0 1 2	1 2 3 4 6	.470	.398	.332	.162	1 ¹³ / ₁₆ "	D	5	2	
WR279	4	2/0 1/0 1	3/0 2/0 1/0	— — —	2/0 1/0 1	3/0 2/0 1/0	— — —	3/0 2/0 1/0	3/0 2/0 1/0	3/0 2/0 1/0	.470	.336	.470	.336	1 ¹³ / ₁₆ "	D	5	2	
WR379	5	4/0 3/0	4/0	—	2 4 6	1 2 3 4 6	1/0 1 2 4 6	266 ¹⁸ / ₁ 4/0 250 4/0	266 250 4/0	1 2 3 4 6	.563	.475	.332	.162	1 ¹³ / ₁₆ "	D	5	2	
WR399	6	4/0 3/0	4/0 3/0	—	2/0 1/0 1	2/0 1/0	3/0 2/0	266 ¹⁸ / ₁ 4/0 3/0	266 250 4/0	2/0 1/0	3/0 2/0 1/0	.563	.461	.447	.338	2 ³ / ₁₆ "	D	6	2
WR419	7	4/0 3/0	4/0 3/0	—	4/0 3/0	4/0 3/0	—	266 ¹⁸ / ₁ 4/0 3/0	266 250 4/0	266 ¹⁸ / ₁ 4/0 3/0	266 250 4/0	.563	.461	.563	.461	2 ⁷ / ₁₆ "	D	7	3

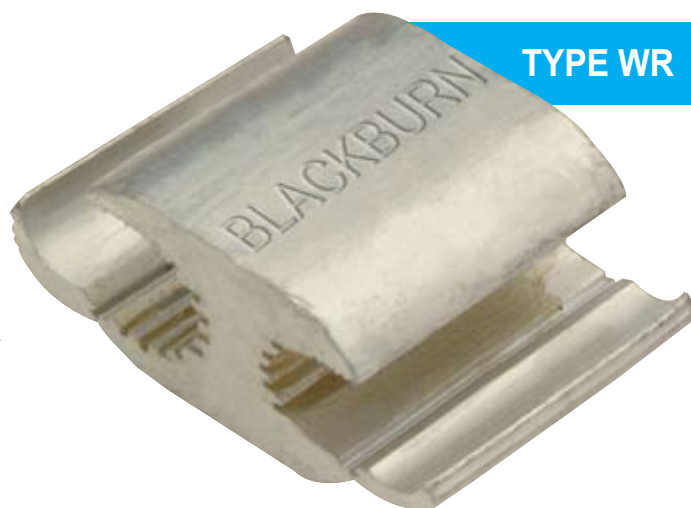
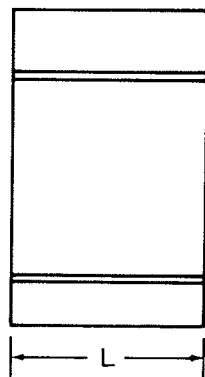
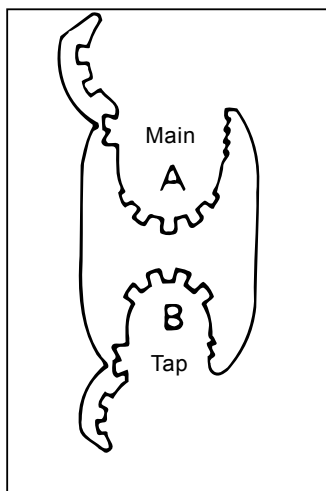


TYPE WR

Compression Connectors

TYPE WR – SUPPLEMENTAL “O” AND “D” DIE CONNECTORS

Cat. No.	Conductor Range														Con- nector Length L	Installation Information		
	Standard Conductor						Compact Conductor				Diameter (in.)					Con- nector Die	No. Indents	
	Main			Tap			Main		Tap		Main		Tap				Mech. Tool	Hyd. Tool
	ACSR	Str.	Sol.	ACSR	Str.	Sol.	ACSR	Str.	ACSR	Str.	max.	min.	max.	min.				
WR149	4 6	3 4 6	2 3 4 6	4 6	3 4 6	2 3 4 6	4 6	2 3 4 6	3 3 4 6	2 3 4 6	.266	.162	.266	.162	1½"	O	5	2
WR179	1/0 1 2 3	1/0 1 2	1	4 6	3 4 6	2 3 4 6	1/0 1 2	2/0 1/0 1 2	4 3 4 6	2 3 4 6	.398	.266	.266	.162	1¾"	O	5	2
WR199	1/0 1 2 3	1/0 1 2	1	2 3 4	1 2 3 4	1 2	1/0 1 2	2/0 1/0 1 2	1 1 3 4	2 1 2	.398	.266	.332	.232	1¾"	O	5	2
WR1010	1/0 1 2 3 4	2/0 1/0 1 2 3 4	1/0 1 2	1/0 1 2 3 4	2/0 1/0 1 2 3 4	1/0 1 2	2/0 1/0 1 2 3 4	2/0 1/0 1 2 3 4	2/0 1/0 1 2 3 4	2/0 1/0 1 2 3 4	.419	.232	.419	.232	1¾"	O	4	2
WR259	1/0 1	2/0 1/0	—	1/0 1	2/0 1/0	—	2/0 1/0	2/0 1/0	2/0 1/0	2/0 1/0	.419	.326	.412	.292	1⅞"	D	5	2
WR299	2/0 1/0	3/0 2/0	—	4 6	3 4 6	2 3 4 6	3/0 2/0	3/0	4 6	2 3 4 6	.470	.398	.266	.162	1½"	D	4	2
WR219	1/0 1	1/0 1	—	1/0 1 2	1/0 1	—	1/0	2/0 1/0	1/0	2/0 1/0	.398	.324	.398	.316	1⅞"	D	5	2
WR239	2/0 1/0	2/0 1/0	—	2 3 4	1 2 3	1 2	2/0 1/0	4/0 3/0	1 2 3 4	1 2	.447	.365	.332	.236	1⅞"	D	5	2
WR229	2/0	3/0 2/0	—	1/0 1 2	1/0 1	—	3/0 2/0	3/0	1/0 1	2/0 1/0	.470	.410	.398	.316	1⅞"	D	5	2
WR269	2/0	2/0	—	2/0 1/0	2/0 1/0	—	2/0	3/0	2/0 1/0	3/0 2/0 1/0	.447	.410	.447	.336	1⅞"	D	5	2



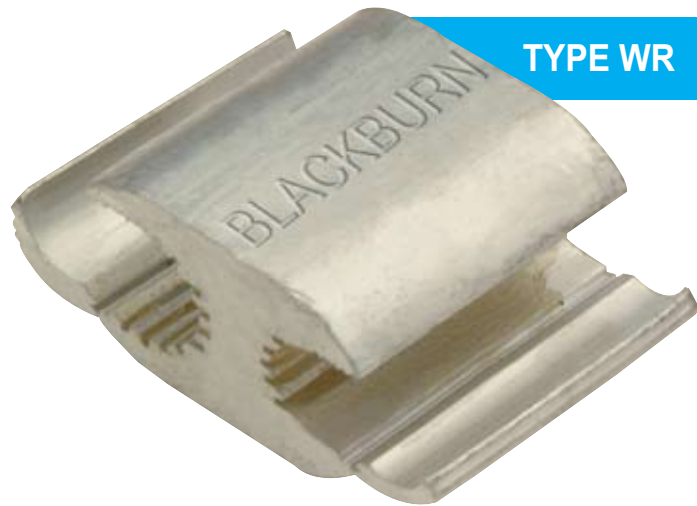
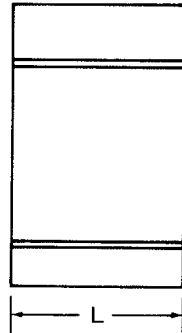
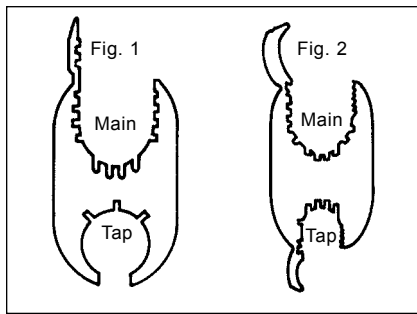
TYPE WR

TYPE WR – SUPPLEMENTAL “O” AND “D” DIE CONNECTORS

Cat. No.	Conductor Range														Con- nector Length L	Installation Information		
	Standard Conductor*						Compact Conductor				Diameter (in.)					Con- nector Die	No. Indents	
	Main			Tap			Main		Tap		Main		Tap				Mech. Tool	Hyd. Tool
	ACSR	Str.	Sol.	ACSR	Str.	Sol.	ACSR	Str.	ACSR	Str.	max.	min.	max.	min.				
WR319	3/0	3/0	—	2 3 4	1 2 3 4	1 2	3/0	4/0	1 2 3 4	1 2	.502	.461	.332	.229	1 7/8"	D	5	2
WR339	3/0	3/0	—	2/0 1/0 1	2/0 1/0	—	3/0	4/0	2/0 1/0	3/0 2/0 1/0	.502	.461	.447	.336	2 1/8"	D	6	2
WR359	4/0 3/0	4/0 3/0	—	4 6	3 4 6	2 3 4 6	266 4/0 3/0	266 250 4/0	1/0 1 2	1/0 1 2	.563	.461	.266	.162	1 7/8"	D	4	2
WR369	4/0 3/0	4/0 3/0	—	1 2 3 4	1/0 1 2 3	1	266 4/0 3/0	266 250 4/0	1/0 1 2	1/0 1 2	.563	.461	.374	.266	1 7/8"	D	4	2
WR369**	4/0 3/0 2/0	4/0 3/0	—	1/0 1 2 3 4	1/0 1 2 3 4	1/0 1 2	266 4/0 3/0	266 250 4/0 3/0	1/0 1 2 3 4	1/0 1 2	.563	.423	.373	.232	1 7/8"	D	5	2
WR389	4/0 3/0	4/0 3/0	—	2/0 1/0	3/0 2/0	—	266 4/0 3/0	266 250 4/0	3/0 2/0	3/0 2/0	.563	.461	.470	.376	2 3/16"	D	6	2
WR389**	4/0 3/0 2/0	4/0 3/0	—	2/0 1/0 1	3/0 2/0 1/0	—	266 4/0 3/0	266 250 4/0	3/0 2/0 1/0	3/0 2/0 1/0	.563	.423	.470	.336	2 3/16"	D	6	2

*Will accept conductors of these same wire sizes with a 3% reduction of diameter (compressed).

**This range possible only when crimped with hydraulic tool.



TYPE WR

Compression
Connectors

TYPE WR – WIDE RANGE “N” DIE TAP CONNECTORS FOR HYDRAULIC TOOLS, 12-TON AND GREATER

Cat. No.	Conductor Range												Con- nector Length L	Installation Information						
	Standard Conductor*						Compact Conductor				Diameter (in.)			For Use With Tool	No. of Indents					
	Main		Tap		Sol.	Main		Tap		Main	Tap									
	ACSR	Str.	ACSR	Str.		ACSR	Str.	ACSR	Str.	max.	min.	max.				min.				
WR715	397 ¹⁸ / ₁ 336 266	400	2/0	2/0	3/0	477 397 336	500	2/0	3/0	.753	.520	.447	.162	2"	2					
		397	1/0	1/0	2/0		1/0	477	1/0							2/0				
		350	1	1	1/0		1	477	1							1/0				
		336	2	2	1		1	397	2							2				
		300	3	3	2		2	397	3							2				
		266	4	4	3		3	336	4							3				
WR775	397 ¹⁸ / ₁ 336 266 4/0	400	397	350	300	266	250	4/0	500	477	397	336	300	266	250	3				
		397	336	266	4/0	400	397	350	300	266	250	4/0	500	477	397		336	300	266	250
		350	336	266	4/0	400	397	350	300	266	250	4/0	500	477	397		336	300	266	250
		300	266	250	4/0	400	397	350	300	266	250	4/0	500	477	397		336	300	266	250
		266	250	4/0	400	397	350	300	266	250	4/0	500	477	397	336		300	266	250	
		250	4/0	400	397	350	300	266	250	4/0	500	477	397	336	300		266	250		
WR815	477 ¹⁸ / ₁ 397 336 266 4/0	400	397	350	300	266	250	4/0	500	477	397	336	300	266	250	2				
		397	336	266	4/0	400	397	350	300	266	250	4/0	500	477	397		336	300	266	250
		350	266	250	4/0	400	397	350	300	266	250	4/0	500	477	397		336	300	266	250
		300	266	250	4/0	400	397	350	300	266	250	4/0	500	477	397		336	300	266	250
		266	250	4/0	400	397	350	300	266	250	4/0	500	477	397	336		300	266	250	
		250	4/0	400	397	350	300	266	250	4/0	500	477	397	336	300		266	250		
WR835	397 336 266 4/0	400	397	350	300	266	250	4/0	500	477	397	336	300	266	250	2				
		397	336	266	4/0	400	397	350	300	266	250	4/0	500	477	397		336	300	266	250
		350	266	250	4/0	400	397	350	300	266	250	4/0	500	477	397		336	300	266	250
		300	266	250	4/0	400	397	350	300	266	250	4/0	500	477	397		336	300	266	250
		266	250	4/0	400	397	350	300	266	250	4/0	500	477	397	336		300	266	250	
		250	4/0	400	397	350	300	266	250	4/0	500	477	397	336	300		266	250		
WR875**	477 ¹⁸ / ₁ 397 336 266 4/0	400	397	350	300	266	250	4/0	500	477	397	336	300	266	250	3				
		397	336	266	4/0	400	397	350	300	266	250	4/0	500	477	397		336	300	266	250
		350	266	250	4/0	400	397	350	300	266	250	4/0	500	477	397		336	300	266	250
		300	266	250	4/0	400	397	350	300	266	250	4/0	500	477	397		336	300	266	250
		266	250	4/0	400	397	350	300	266	250	4/0	500	477	397	336		300	266	250	
		250	4/0	400	397	350	300	266	250	4/0	500	477	397	336	300		266	250		
WR885	477 ¹⁸ / ₁ 397 336 266 4/0	400	397	350	300	266	250	4/0	500	477	397	336	300	266	250	3				
		397	336	266	4/0	400	397	350	300	266	250	4/0	500	477	397		336	300	266	250
		350	266	250	4/0	400	397	350	300	266	250	4/0	500	477	397		336	300	266	250
		300	266	250	4/0	400	397	350	300	266	250	4/0	500	477	397		336	300	266	250
		266	250	4/0	400	397	350	300	266	250	4/0	500	477	397	336		300	266	250	
		250	4/0	400	397	350	300	266	250	4/0	500	477	397	336	300		266	250		

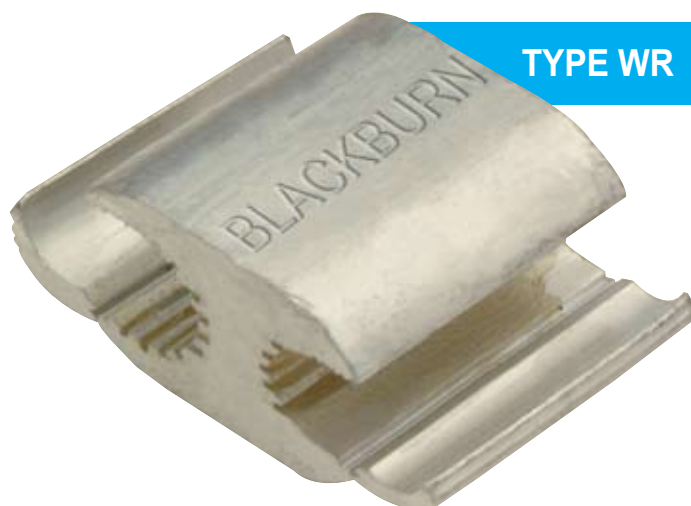
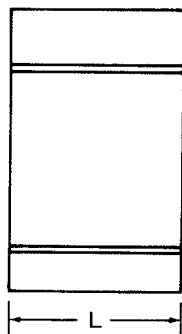
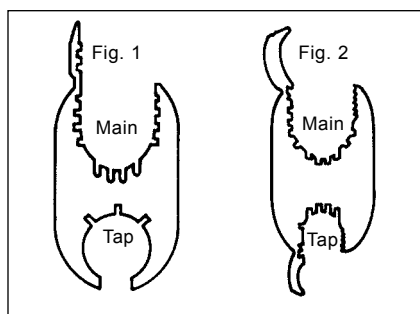
* Will accept conductors of these same wire sizes with a 3% reduction of diameter (compressed).

**Figure 2

CONNECTORS

Compression H-Tap Connectors

Compression Connectors



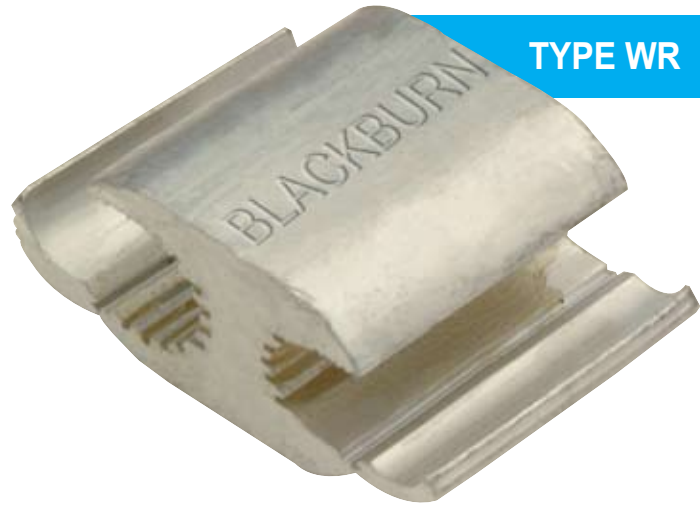
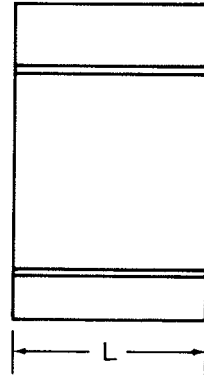
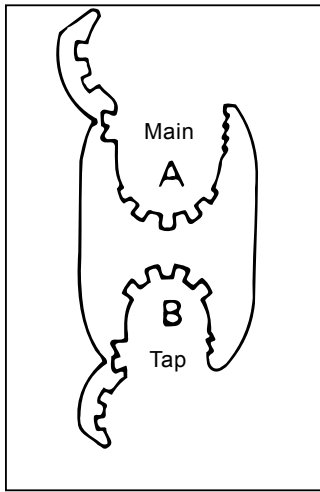
TYPE WR

TYPE WR – WIDE RANGE “N” DIE TAP CONNECTORS FOR HYDRAULIC TOOLS, 10-TON AND GREATER

Cat. No.	Conductor Range											Con- nector Length L	Installation Information			
	Standard Conductor*					Compact Conductor				Diameter (in.)			For Use With Tool	No. of Indents		
	Main		Tap			Main		Tap		Main	Tap					
	ACSR	Str.	ACSR	Str.	Sol.	ACSR	Str.	ACSR	Str.	max.	min.				max.	min.
WR699			4 6	3 4 6	2 3 4 6			4 6	2 3 4 6			.266	.162	2"		2
WR719	397 1/4 336 266	400 397 350 336 300 266 250	2/0 1/0	2/0 1/0	3/0 2/0	477 397 350 336 300	477 397 350 336 300	2/0 1/0	3/0 2/0	.743	.570	.447	.289	2"		2
WR739			4/0 3/0 2/0 1/0	4/0 3/0 2/0	4/0			266 4/0 3/0	266 250 4/0			.563	.398	2"		2
WR779			397 1/4 336 266	400 397 350 336 266 250	477 397			477 397 336 336	.743			.570	3"		3	
WR799			477 1/4 266	500 250	4 6			3 4 6	3 3 4 6			477 1/4 266	500 250	3 4 6	.814	.575	.270	.160	2"	JB12A, JB12B, WH2, PH2, 12A and Y-35 tools	2
WR819	477 1/4 397 336	556 500 477	2/0 1/0	2/0 1/0	3/0 2/0	556 477 397	556 477 397	2/0 1/0	3/0 2/0	.858	.659	.477	.289	2"		2
WR839			4/0 3/0 2/0	4/0 3/0	4/0			266 4/0 3/0	266 250 4/0			.563	.477	2"		2
WR879**			350 336	336 1/4 266	350 336 300 266			397	397 336			397 350 336	.684	.593	3"		3
WR889	477 1/4 397 336	500 400 397 350 336	477 1/4 336	500 400 397 350 336	—	556 477 397 336	556 477 397 350	556 477 397 336	.814	.666	.814	.666	3"		3	

*Will accept conductors of these same wire sizes with a 3% reduction of diameter (compressed).

**Figure 2



TYPE WR

Compression Connectors

TYPE WR – WIDE RANGE “R” DIE TAP CONNECTORS

Cat. No.	Conductor Range												Con- nector Length L	Installation Information		
	Standard Conductor				Compact Conductor				Diameter (in.)					For Use With Tool	Connector Die	No. of Indents
	Main		Tap		Main		Tap		Main		Tap					
	ACSR	Str.	ACSR	Str.	ACSR	Str.	ACSR	Str.	max.	min.	max.	min.				
WR909			336 ^{19/16}	350 336 266 4/0 3/0 2/0 1/0			397 ^{1/2}	397 350 336 266 4/0 3/0 2/0			.684	.398	4 ^{3/4}		R	4
	556 ^{19/16}	600 477 397 336 300		600 556 550 500	636 556 477 397	700 636			.893	.666						
WR929			556 ^{19/16}	500 477 397 350 336 300			636	700 636 556 477 450			.893	.666	4 ^{3/4}		R	4
				600 556 550 500												
WR949			336 ^{19/16}	350 336 266 4/0 3/0 2/0 1/0			397 ^{19/16}	397 350 336 266 300 266 4/0 3/0 2/0			.684	.398	4 ^{3/4}		R	4
				600 556 550 500												
WR969			556 ^{19/16}	500 477 397 336 300			636	700 636 556 477 450			.893	.666	4 ^{3/4}		R	4
	795 ^{29/32}	900 874 800 715 666 795 636 605 715 556 700 477 ^{30/32}		600 556 550 500	954 874 795	1000 954 874 795 750			1.108	.883						
				600 556 550 500												
WR989			795 ^{29/32}	900 874 800 666 636 605 715 556 700 477 ^{30/32}			954	1000 954 874 795 750			1.108	.883	4 ^{3/4}		R	4
				600 556 550 500												
WR999	954 ^{45/32}	1033 900 874 900 795 800 715 666	954 ^{45/32}	1033 900 874 900 795 800 715 666	954 900	1000 900	954 900 874	1000 900	1.172	.997	1.172	.997	4 ^{3/4}		R	4

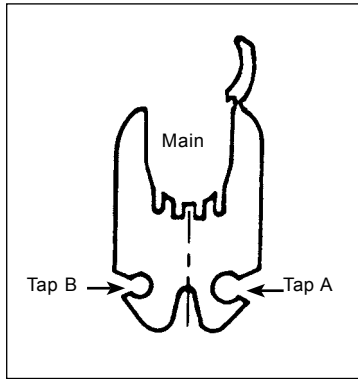


Fig. 1

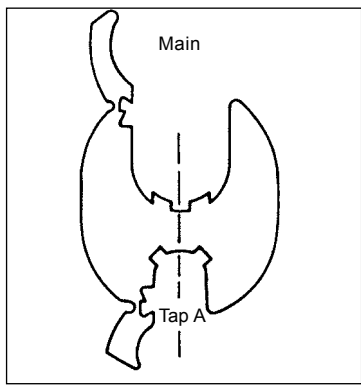
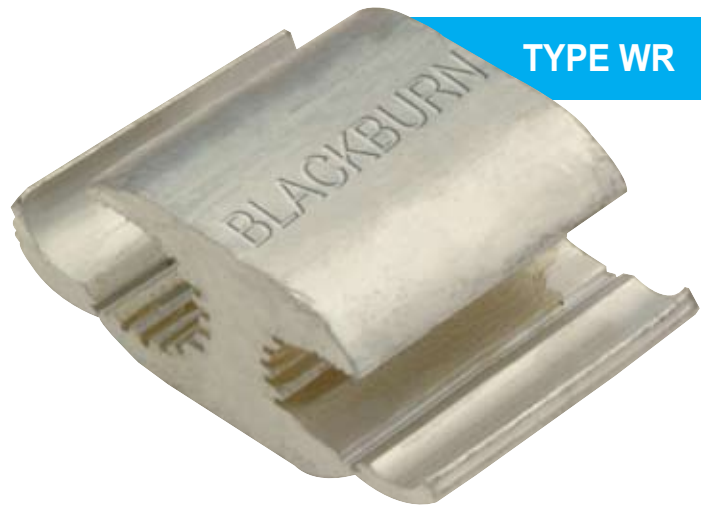
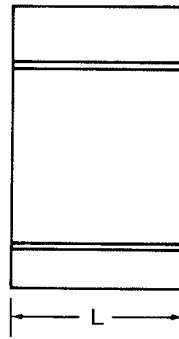


Fig. 2



TYPE WR



TYPE WR – STREET LIGHTING COMPRESSION CONNECTORS

Cat. No.	Figure No.	Conductor Range												Con- nector Length L	Installation Information			
		Standard Conductor*						Diameter (in.)							Con- nector Die	No. Indents		
		Main			Tap A		Tap B		Main		Tap A		Tap B			Mech. Tool	Hyd. Tool	
		ACSR	Str.	Sol.	Str.	Sol.	Str.	Sol.	max.	min.	max.	min.	max.					min.
WR9	2	3	2	1	8	8	—	—	.292	.184	.146	.064	—	—	1 ³ / ₁₆ "	5/8 BG	3	—
		4	3	2	10	10	—	—										
		6	6	4	12	12	—	—										
WR139	1	1/0	2/0	—	8	6	12	12	.419	.250	.162	.100	.092	.064	1 ¹ / ₂ "	O	4	2
		1	1/0	1	8	8	12	12										
		2	1	2	10	10	14	14										
		3	2	—	—	—	—	—										
WR502	1	4/0	4/0	—	8	6	12	12	.563	.461	.162	.100	.092	.064	1 ¹ / ₂ "	D	4	—
		3/0	3/0	—	10	8	14	14										
		—	—	—	—	—	—	—										
		—	—	—	—	—	—	—										
WR502**	1	4/0	4/0	—	8	6	12	12	.563	.365	.162	.100	.092	.064	1 ¹ / ₂ "	D	—	2
		3/0	3/0	—	10	8	14	14										
		2/0	2/0	—	—	—	—	—										
		1/0	1/0	—	—	—	—	—										

* Will accept conductors of these same wire sizes with a 3% reduction of diameter (compressed).

** This range possible only when crimped with hydraulic tool.

- For tapping copper conductors to unbroken main copper conductors
- Extruded pure electrolytic copper
- Full length tab for easy installation
- Efficient design for lower crimping force
- Standard compression tools and dies
- Single and double tab designs
- RUS listed



TYPE CF

Compression Connectors

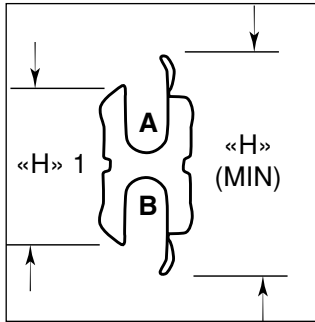


Fig. 1

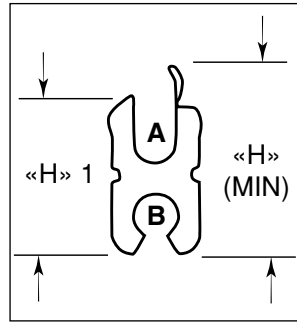


Fig. 2

TYPE CF – COPPER COMPRESSION TAP CONNECTORS

Cat. No.	Figure No.	Conductor Range								Dimensional Information			Installation Information						
		Standard Conductor*				Diameter (in.)*				"H" (min.)	"H" 1	Connector Length	Mechanical Tools***			Hydraulic Tools***			
		Main		Tap		Main		Tap					OD 58	Type O	MD Series	JB12A JB12B	H Series	Y-35	TBM15/Y45/Y46
Sol.	Str.	Sol.	Str.	max.	min.	max.	min.												
CF44-1	1	4/6	6	4/6/8	6	.204	.162	.204	.128	.971	.729	13/16"	B, T 5/8	B, T 5/8	W-KB W-BG	BKT	B	BKT U-BG	BKT U-BG
CFS44-1	2	4/6	6	4/6/8	8	.204	.162	.204	.128	.864	.743		B, T 5/8	B, T 5/8	W-KB W-BG	BKT	BKT	BKT U-BG	BKT U-BG
CF22-1	1	2/4	4	2/4	4	.258	.204	.258	.204	1.162	.813	13/16"	K	K	W-KK	—	—	—	BKT
CFS22-1	2	2/4	4	2/6	6	.258	.204	.258	.162	1.017	.842		K	K	W-KK	W-KK	BKT	BKT	BKT
CF102-1	1	—	1/0 1/2	2/4/6	4	.373	.292	.258	.162	1.540	1.100	27/32"	—	—	—	O	O	O	O
CF1010-1	1	—	1/0 1/2	—	1/0 1/2	.373	.292	.373	.292	1.610	1.050		—	—	—	O	O	O	O
CF202-1	1	—	2/0 1/0	—	2/0 1/0 1/2	.419	.368	.258	.204	1.670	1.269	7/8"	—	—	—	K-C	C	K-C	K-C
CF2020-1	1	—	2/0 1/0	—	2/0 1/0 1/2	.419	.368	.414	.292	1.740	1.220		—	—	—	K-C	C	K-C	K-C
CF402-1	1	—	4/0 3/0 2/0	2/4	4	.528	.414	.258	.204	1.983	1.423	1 1/8"	—	—	—	D**	D**	D**	D**
CF4010-1	1	—	4/0 3/0 2/0	—	1/0 1/2	.528	.414	.373	.292	1.992	1.423		—	—	—	D**	D**	D**	D**
CF4040-1	1	—	4/0 3/0 2/0	—	4/0 3/0 2/0	.528	.414	.528	.414	2.252	1.483		—	—	—	D**	D**	D**	D**

*Decimal dimensions are for conventional conductor, not Copperweld or Alumoweld.

**Blackburn "D" dies.

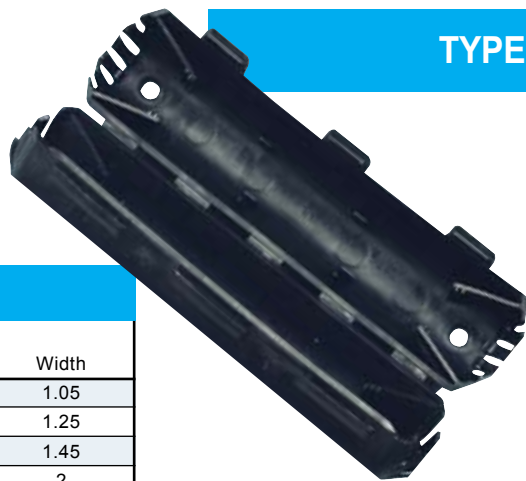
***Three indents with mechanical tools and one indent with hydraulic tools. 15 ton/head use appropriate die adapters.

CONNECTORS

Compression H-Tap & Service Entrance Connectors

Compression Connectors

- Hinged polyethylene cover
- Installs easily, quickly and is less expensive than taping
- Positive snap-locks fasten securely
- Drain ports prevent accumulation of corrosion-causing moisture
- Ultra-violet stabilized



TYPE C

TYPE C – COMPRESSION CONNECTOR COVERS

Cat. No.	Capacity*	Dimension		
		Height	Length	Width
C2BB	All 5/8" O.D., sleeves 2" long or less	1.1	4	1.05
C5BB	All "O" Die taps, 13/4" long or less	1.6	3.75	1.25
C7	All "D" Die taps, 2 1/2" long or less	1.8	5	1.45
C9	All "N" and "D" die taps, up to 2" long	2.75	4.25	2
C9L	All "N" and "D" die taps, up to 5" long	2.75	7.25	2

*Before compression.

TYPE CS & CSC – SERVICE ENTRANCE SLEEVES 5/8 DIE

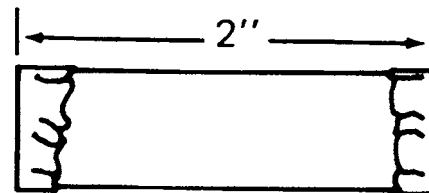
Cat. No.		End "A"				Color Code	End "B"				
		Conductor Range		Diameter (in.)			Conductor Range		Diameter (in.)		
Bare Sleeve	Sleeve With Cover	ASCR	AWG	max.	min.	ASCR	AWG	max.	min.	Color Code	
CS61 ⁺	CSC61	—	8 str. 6 sol.	.162	.146	Green	—	8 str. 6 sol.	.162	.146	Green
CS62 ⁺	CSC62	6%	6 str. 4 sol.	.204	.184	Blue	1	10 str. 8 sol.	.128	.116	Brown
CS63 ⁺	CSC63	6%	6 str. 4 sol.			Blue	—	8 str. 6 sol.	.162	.146	Green
CS64 ⁺	CSC64	6%	6 str. 4 sol.	.258	.232	Blue	6%	6 str. 4 sol.	.204	.184	Blue
CS65 ⁺	CSC65	4% 7/8	3-4 str. 2 sol.			Orange	—	10 str. 8 sol.	.128	.116	Brown
CS66 ⁺	CSC66	4% 7/8	3-4 str. 2 sol.			Orange	—	8 str. 6 sol.	.162	.146	Green
CS67 ⁺	CSC67	4% 7/8	3-4 str. 2 sol.			Orange	6%	6 str. 4 sol.	.204	.184	Blue
CS68 ⁺	CSC68	4% 7/8	3-4 str. 2 sol.	.328	.292	Orange	4% 7/8	3-4 str. 2 sol.	.258	.232	Orange
CS69 ⁺	CSC69	2% 7/8	1-2 str.			Red	—	10 str. 8 sol.	.128	.116	Brown
CS70 ⁺	CSC70	2% 7/8	1-2 str.			Red	—	8 str. 6 sol.	.162	.146	Green
CS71 ⁺	CSC71	2% 7/8	1-2 str.	.398	.368	Red	6%	6 str. 4 sol.	.204	.184	Blue
CS72 ⁺	CSC72	2% 7/8	1-2 str.			Red	4% 7/8	3-4 str. 2 sol.	.258	.232	Orange
CS73 ⁺	CSC73	2% 7/8	1-2 str.			Red	2% 7/8	1-2 str.	.328	.292	Red
CS74 ⁺	CSC74	1/0	1/0 str.	.414	.414	Yellow	—	8 str. 6 sol.	.162	.146	Green
CS75 ⁺	CSC75	1/0	1/0 str.			Yellow	6%	6 str. 4 sol.	.204	.184	Blue
CS76 ⁺	CSC76	1/0	1/0 str.			Yellow	4% 7/8	3-4 str. 2 sol.	.258	.232	Orange
CS77 ⁺	CSC77	1/0	1/0 str.			Yellow	2% 7/8	1-2 str.	.328	.292	Red
CS78 ⁺	CSC78	1/0	1/0 str.	Yellow	1/0	1/0 str.	.398	.368	Yellow		
CS84 ⁺	CSC84	—	2/0 str.	Grey	1/0	1/0 str.	.398	.368	Yellow		
CS85 ⁺	CSC85	—	2/0 str.	Grey	—	2/0 str.	.414	.414	Grey		

*RUS Listed.



TYPE CS & CSC

- For combinations of aluminum-aluminum and aluminum-copper conductors
- Pass the requirements of ANSI C119.4
- Sleeves are made of highly conductive aluminum
- Quick identification with color-coded foil caps
- Install with standard compression dies



INSTALLATION INFORMATION

Cat. No.	Installation Dies	
	Mech.	Hyd.
All	5/8 (OD58 Tool) Peach, BG, G, TU	U-BG B58CS, 52

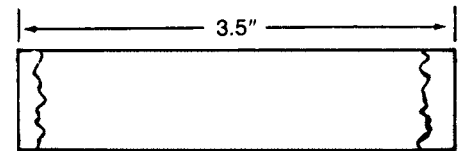
- For combinations of aluminum-aluminum and aluminum-copper conductors
- Pass the requirements of ANSI C119.4
- Splices large conductors required for commercial service; use as low cost reducing sleeve
- All sizes can be installed with popular mechanical and hydraulic tools
- Center stop assures proper conductor positioning
- Quick identification with color-coded foil caps



Compression Connectors

TYPE KL - LARGE COMPRESSION SERVICE ENTRANCE SLEEVES, 840 DIE

Cat. No.	End "A"			Color Code	End "B"			
	Conductor Range		Diameter (in.)		Conductor Range		Color Code	
	max.	min.			max.	min.		
KL20-1	6 str. 6 str. compact	.184	.167	Blue	6 str. 6 str. compact	.184	.167	Blue
KL22-1	4 str. 4 str. compact	.232	.211	Orange	4 str. 4 str. compact	.232	.167	Orange
KL25-1	2 str. 2 str. compact	.292	.266	Red	2 str. 2 str. compact	.292	.266	Red
KL31-1	1/0 sol. Al, 1 str. 2 ACSR, 1/0 str. comp	.336	.316	Red	1/0 sol. Al, 1 str. 1 str. compact 2 ACSR	.336	.316	Red
KL36-1	1/0 ACSR 1/0 str. 2/0 str. compact	.398	.368	Yellow	1/0 ACSR 1/0 str. 2/0 str. compact	.398	.368	Yellow
KL45-1	2/0 ASCR 2/0 str. 3/0 str. compact	.448	.414	Gray	2 ACSR, 1-2 str. 1 str. compact	.328	.292	Red
KL46-1					1/0 ACSR, 1/0 str. 2/0 str. compact	.398	.368	Yellow
KL47-1					2/0 ACSR, 2/0 str. 3/0 str. compact	.448	.414	Gray
KL54-1	3/0 ASCR 3/0 str. 4/0 str. compact	.502	.464	Black	4 ACSR, 3-4 str. 2 sol.	.258	.232	Orange
KL55-1					2 ACSR, 1-2 str. 1 str. compact	.328	.268	Red
KL56-1					1/0 ACSR, 1/0 str. 2/0 str. compact	.398	.368	Yellow
KL57-1					2/0 ACSR, 2/0 str. 3/0 str. compact	.448	.414	Gray
KL58-1					3/0 ACSR, 3/0 str. 4/0 str. compact	.502	.464	Black
KL64-1	4/0 ASCR 4/0 str.	.563	.522	Pink	4 ACSR, 3-4 str. 2 sol.	.258	.232	Orange
KL65-1					2 ACSR, 1-2 str. 1 str. compact	.328	.268	Red
KL66-1					1/0 ACSR, 1/0 str. 2/0 str. compact	.398	.368	Yellow
KL67-1					2/0 ACSR, 2/0 str. 3/0 str. compact	.448	.414	Gray
KL68-1					3/0 ACSR, 3/0 str. 4/0 str. compact	.502	.464	Black
KL69-1					4/0 ACSR, 4/0 str.	.563	.522	Pink



INSTALLATION INFORMATION

Cat. No.	Installation Dies	
	Mech.	Hyd.
All	840, W-K840 EEI-11A, TX	840, U-K840 U-249, B49EA

CONNECTORS

Service Entrance Connectors

Compression Connectors

- Pre-insulated for fast, easy installation with standard tools
- For combinations of aluminum and aluminum-copper conductors
- Pass the requirements of ANSI C119.4
- Overall length 2-3/4"

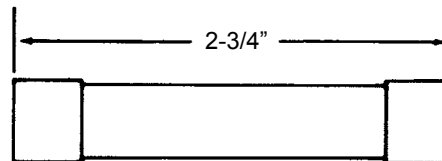


TYPE ICS

TYPE ICS – SERVICE ENTRANCE SLEEVES 5/8 DIE

Cat. No.	End "A"				Color Code	End "B"				
	Conductor Range		Diameter (in.)			Conductor Range		Diameter (in.)		
	ASCR	AWR	max.	min.		ASCR	AWR	max.	min.	
ICS61-1	—	8 str. 6 sol.	.162	.144	Green	—	8 str. 6 sol.	.162	.144	Green
ICS62-1	—	10 str. 8 sol.	.128	.114	Brown	—	10 str. 8 sol.	.128	.114	Brown
ICS63-1	6	6 str. 4 sol.	.204	.184	Blue	—	8 str. 6 sol.	.162	.144	Green
ICS64-1	6	6 str. 4 sol.	.204	.184	Blue	6	6 str. 4 sol.	.204	.184	Blue
ICS65-1	—	10 str. 8 sol.	.128	.114	Brown	—	10 str. 8 sol.	.128	.114	Brown
ICS66-1	—	8 str. 6 sol.	.162	.144	Green	—	8 str. 6 sol.	.162	.144	Green
ICS67-1	4	3-4 str. 2 sol.	.258	.213	Orange	6	6 str. 4 sol.-	.204	.184	Blue
ICS68-1	4	3-4 str. 2 sol.	.258	.213	Orange	4	3-4 str. 2 sol.	.258	.213	Orange
ICS70-1	—	8 str. 6 sol.	.162	.144	Green	—	8 str. 6 sol.	.162	.144	Green
ICS71-1	2	1-2 str.	.328	.268	Red	6	6 str. 4 sol.	.204	.184	Blue
ICS72-1	4	3-4 str. 2 sol.	.258	.213	Orange	4	3-4 str. 2 sol.	.258	.213	Orange
ICS73-1	2	1-2 str.	.328	.268	Red	2	1-2 str.	.328	.268	Red
ICS74-1	—	8 str. 6 sol.	.162	.146	Green	—	8 str. 6 sol.	.162	.146	Green
ICS75-1	6	6 st 4 sol.	.204	.184	Blue	6	6 st 4 sol.	.204	.184	Blue
ICS76-1	1/0	1/0	.398	.368	Yellow	4	3-4 str. 2 sol.	.258	.213	Orange
ICS77-1	2	1-2 str.	.328	.268	Red	2	1-2 str.	.328	.268	Red
ICS78-1	—	1/0 str.	.398	.368	Yellow	—	1/0 str.	.398	.368	Yellow

All are RUS Listed.



INSTALLATION INFORMATION

Cat. No.	Installation Dies	
	Mech.	Hyd.
All	5/8 (OD58 Tool) Peach, BG, W-BG, G, TU	U-BG B58CS

- For combinations of aluminum-aluminum and aluminum-copper conductors
- Pass the requirements of ANSI C119.4
- Use as a low tension reducing sleeve for insulated conductor
- Pre-insulated for fast, easy installation of large home or commercial service entrances
- Concave polyethylene end caps seal out dirt, but are easily pierced when inserting conductor

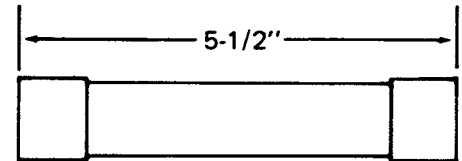


TYPE IKL

Compression Connectors

TYPE IKL – INSULATED SERVICE ENTRANCE SLEEVES 840 DIE

Cat. No.	End "A"			Color Code	End "B"			
	Conductor Range		Diameter (in.)		Conductor Range		Color Code	
	max.	min.			max.	min.		
IKL34	1/0 ACSR 2/0 str. 1/0 str. (compact)	.398	.365	Yellow	4 ACSR 3-4 str., 2 sol.	.258	.213	Orange
IKL35					2 ACSR 1-2 str.	.328	.268	Red
IKL36					1/0 ACSR 1/0 str. 2/0 str. comp	.398	.365	Yellow
IKL44	2/0 ACSR 2/0 str. 3/0 str. (compact)	.448	.414	Grey	4 ACSR 3-4 str., 2 sol.	.258	.213	Orange
IKL45					2 ACSR 1-2 str.	.328	.268	Red
IKL46					1/0 ACSR 1/0 str. 2/0 str. comp	.398	.365	Yellow
IKL47					2/0 ACSR 2/0 str. 3/0 str. comp	.448	.414	Grey
IKL54	3/0 ACSR 3/0 str. 4/0 str. (compact)	.502	.464	Black	4 ACSR 3-4 str., 2 sol.	.258	.213	Orange
IKL55					2 ACSR 1-2 str.	.328	.268	Red
IKL56					1/0 ACSR 1/0 str. 2/0 str. comp	.398	.365	Yellow
IKL57					2/0 ACSR 2/0 str. 3/0 str. comp	.448	.414	Grey
IKL58					3/0 ACSR 3/0 str. 4/0 str. comp	.502	.464	Black
IKL64	4/0 ACSR 4/0 str.	.564	.522	Pink	4 ACSR 3-4 str., 2 sol.	.258	.213	Orange
IKL65					2 ACSR 1-2 str.	.328	.268	Red
IKL66					1/0 ACSR 1/0 str.	.398	.365	Yellow
IKL67					2/0 ACSR 2/0 str. 3/0 str. comp	.448	.414	Grey
IKL68					3/0 ACSR 3/0 str. 4/0 str. comp	.502	.464	Black
IKL69					4/0 ACSR 4/0 str.	.564	.522	Pink

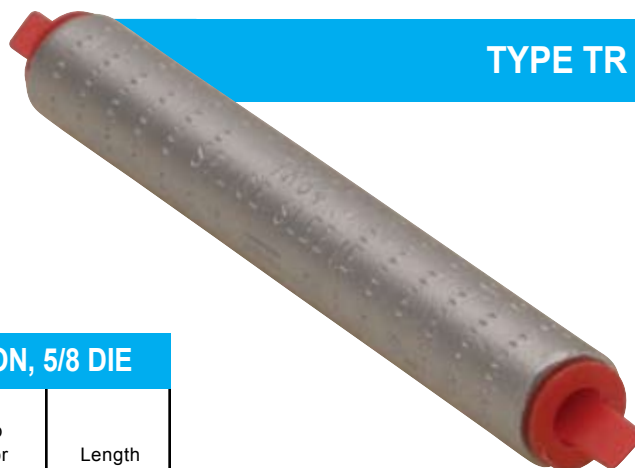


INSTALLATION INFORMATION

Cat. No.	Installation Dies	
	Mech.	Hyd.
All	BY37, 840 W-K840, TX	B49EA, 840 U-K840, U-249

All are RUS Listed.

TYPE TR



TYPE TR – TRIPLEX NEUTRAL SPLICE, SEMI-TENSION, 5/8 DIE

Cat. No.	Conductor Range				Cap Color	Length
	ACSR	AWG	Conductor Diameter*			
			max.	min.		
TR61	6	6 str. 4 sol.	.204	.184	Blue	4¼"
TR63	4	4 str. 2 sol.	.258	.232	Orange	4¼"
TR64	2	2 str.	.316	.292	Red	4¼"
TR65	1	1/0 str.	.373	.355	Yellow	6"
TR66	1/0	—	.398	.373	Yellow	6"

*Decimal dimensions are for conventional conductor, not Copperweld or Alumoweld.

INSTALLATION INFORMATION

Cat. No.	Installation Dies
All	5/8, Peach, G, TU

- Non tension splice frequently used for service entrance on commercial-industrial loads
- For end-to-end splicing of aluminum to copper conductor, #4/0 str. through 1000 MCM
- Prefilled with oxide inhibitor
- Passes the requirements of ANSI C119.4

TYPE RS



TYPE RS – ALUMINUM COMPRESSION SPLICE

Cat. No.	End "A"		End "B"		Length	Installation Dies Hydraulic Tool
	Conductor Range		Conductor Range			
	max.-min.	Diameter (in.) max.-min.	max.-min.	Diameter (in.) max.-min.		
RS253	300-250 MCM	.630-.574	4/0	.528	6"	B20AH 318 1½/16
RS2525	300-250 MCM	.630-.574	300-250 MCM	.630-.574		
RS403	400-336 MCM	.726-.666	4/0	.528	7½"	
RS4040	400-336 MCM	.726-.666	400-336 MCM	.726-.666		
RS4525	500-450 MCM	.813-.770	300-250 MCM	.630-.574		
RS4545	500-450 MCM	.813-.770	500-450 MCM	.813-.770	8"	
RS8080	800-750 MCM	1.029-.997	800-750 MCM	1.029-.997		6030AH 352

- Meets the 40% partial tension requirement of ANSI C119.4



TYPE ACJ

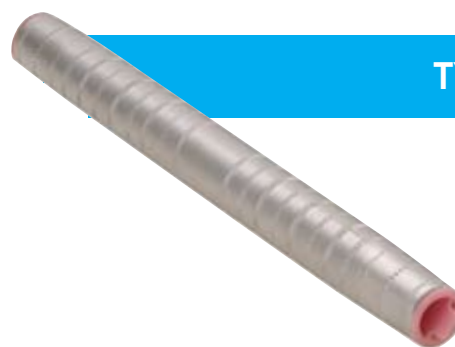
Compression Connectors

TYPE ACJ – ALUMINUM JUMPER SLEEVES FOR ALL ALUMINUM CONDUCTOR

Cat. No.	Conductor (Stranding)	Lgth.	Mechanical Tools						Hydraulic Tools						EEI Classification
			OD58*		MD Series		O-52		JB12B		Y Series		WH Series		
			Dies	Crimps per End	Die Index	Crimps per End	Dies	Crimps per End	Dies Cat. Nos.	Crimps per End	Die Index	Crimps per End	Die Index	Crimps per End	
ACJ20	2/0(7, 19)	4-3/4"	BY33	8	C-167 W-247	8 4	737	8	B39EA	2	247	2	737 747	4 4	10A
ACJ205	2/0(7, 19)	4-3/4"	BY41	4	W-245	4	635	4	B30EA	2	245	2	58-1 635	4 2	9A
ACJ40	4/0(7, 19)	4-3/4"	BY37	8	W-249	4	840	8	B49EA	2	249	2	840	4	11A
ACJ266	266.8(7, 19)	5-3/8"	—	—	—	—	—	—	B75AH	3	251	3	11/2	3	—
ACJ336	336.4(19, 37)	5-3/8"	—	—	—	—	—	—	B80EA	3	321	3	1-1/8-1	3	13A
ACJ350	350(19)	6-3/4"	—	—	—	—	—	—	B80EA	5	490 547	5	1-1/8-1	5	13A
ACJ397	397.5(19)	6-3/4"	—	—	—	—	—	—	B80EA	4	468	4	1-1/8-1	4	13A
ACJ477	477, 500 (19, 37)	9-1/2"	—	—	—	—	—	—	B80EA	6	317 426	6	1-1/8-1	6	13A
ACJ556	556.5(19, 37)	9-9/16"	—	—	—	—	—	—	B76AH	8	318	9	1-1/8-1	11	—

*OD58 dies are interchangeable with those listed for O-52.

- Meets the 40% partial tension requirement of ANSI C119.4



TYPE RCJ

TYPE RCJ – ALUMINUM JUMPER SLEEVES FOR ACSR, AAAC, 5005, AAC CONDUCTOR

Cat. No.	Conductor (Stranding)	Lgth.	Mechanical Tools						Hydraulic Tools						EEL Classification
			OD58*		MD Series		O-52		JB12B		Y Series		WH Series		
			Dies	Crimps per End	Die Index	Crimps per End	Dies	Crimps per End	Dies Cat. Nos.	Crimps per End	Die Index	Crimps per End	Die Index	Crimps per End	
RCJ10 [†]	1/0 ACSR(6/4) 1/0 AAAC(7) 1/0 5005(7) 1/0 AAC(7)	6½"	737 747	12 6	W-C W-702	12 4	737 747	12 6	B39EA	3	167 247	6 3	737 747	6 3	10A
RCJ20 [†]	2/0 ACSR(6/4) 2/0 AAAC(7) 2/0 5005(7) 2/0 AAC(7)	6¾"	781	13	—	—	781	13	B74AH	3	659	3	¾	3	—
RCJ30 [†]	3/0 ACSR(6/4) 3/0 AAAC(7) 3/0 5005(7) 3/0 AAC(7)	6¾"	—	—	—	—	—	—	B49EA	3	658	3	29/32	3	11A
RCJ40BB [†]	4/0 ACSR(6/4) 4/0 AAAC(7) 4/0 5005(7) 4/0 AAC(7)	6¾"	—	—	—	—	—	—	B61EA	3	654	3	1.00	3	12A
RCJ266 [†]	266.8 ACSR(19/4)	7"	—	—	—	—	—	—	B80EA	3	655	3	1½-1	3	13A
RCJ336 [†]	336.4 ACSR(19/4)	7"	—	—	—	—	—	—	B80EA	3	655	3	1½-1	3	13A
RCJ397	397.5 ACSR(19/4) 336.4(26-7) 336.4(30-7)	7¼"	—	—	—	—	—	—	B20AH	4	327	4	1½-1	4	14A
RCJ477	477 ACSR(19/4)	8¾"	—	—	—	—	—	—	B20AH	5	318	5	1½-1	5	14A
RCJ477M	477 ACSR(26/4)	9"	—	—	—	—	—	—	B76AH	5	318	8	1½	6	—

* OD58 dies are interchangeable with those listed for O-52.

† RUS Listed.

- Center stop assures proper conductor positioning
- External end taper provides conductor stress relief, ease of stringing and corona protection
- Internal end chamfer allows easy conductor insertion and prevents sharp edge contact with conductor
- Fully tested to meet electrical and mechanical requirements of ANSI C119.4; will withstand 95% of conductor rated breaking strength



TYPE AC

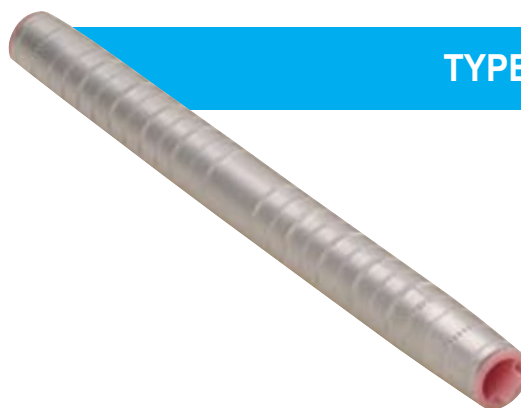
Compression Connectors

TYPE AC – SINGLE SLEEVE, FULL TENSION SPLICE FOR ALL ALUMINUM CONDUCTOR

Cat. No.	Conductor (Stranding)	Lgth.	Mechanical Tools						Hydraulic Tools						EEI Classification
			OD58*		MD Series		O-52		JB12B		Y Series		WH Series		
			Dies	Crimps per End	Die Index	Crimps per End	Dies	Crimps per End	Dies Cat. Nos.	Crimps per End	Die Index	Crimps per End	Die Index	Crimps per End	
AC6-TB	6(7)	3"	BY19	4	W-161	2	5/16	4	B73SH	1	161	1	5/16	3	—
AC4-BB	4(7)	3"	BY21	4	W-162	4	3/8	4	B71AH	1	162	1	3/8	3	—
AC2-TB	2(7)	4 1/8"	BY23	6	W-163	6	1/2	6	B17EA	2	163	2	1/2 510	4 3	6A
AC10-TB	1/0 (7, 19)	7 1/4"	BY31	12	BG W-243 W-687	12 12 6	5/8-1	12	B24EA	3	243	3	5/8-1 635	6 3	8A
AC20	2/0 (7, 19)	9 1/4"	BY33	16	C-167 W-247	16 8	737	16	B39EA	4	247	4	737 747	8 4	10A
AC205	2/0 (7, 19)	9 1/4"	BY41	8	W-245	8	635	8	B30EA	4	245	4	635	4	9A
AC30	3/0 (7, 19)	8"	BY35	16	W-247	8	781	16	B74AH	4	247	4	781	8	—
AC40	4/0 (7, 19)	9 1/2"	BY37	12	W-249	12	840	12	B49EA	6	249	6	840	12	11A
AC266	266.8 (7, 19)	8 5/8"	—	—	—	—	—	—	B75AH	7	251	7	1.00	7	—
AC336	336.4 (19, 37)	10"	—	—	—	—	—	—	B80EA	8	321	8	1 1/8-1	8	13A
AC350	350 (19)	11"	—	—	—	—	—	—	B80EA	9	490 547	9 9	1 1/8-1	9	13A
AC397	397.5 (19)	12 1/8"	—	—	—	—	—	—	B80EA	8	468	8	1 1/8-1	8	13A
AC477	477 (19, 37)	13 1/2"	—	—	—	—	—	—	B80EA	9	317 426	9 9	1 1/8-1	9	13A
AC556	556 (19, 37)	13 1/2"	—	—	—	—	—	—	B76AH	9	318	13	1 1/8	16	—

* OD58 dies are interchangeable with those listed for O-52.

- Center stop assures proper conductor positioning
- Replaces two-piece splices
- External end taper provides conductor stress relief, ease of stringing and corona protection
- Internal end chamfer allows easy conductor insertion and prevents sharp edge contact with conductor
- Tested to meet electrical and mechanical requirements of ANSI C119.4; will withstand 95% of conductor rated breaking strength



TYPE RC

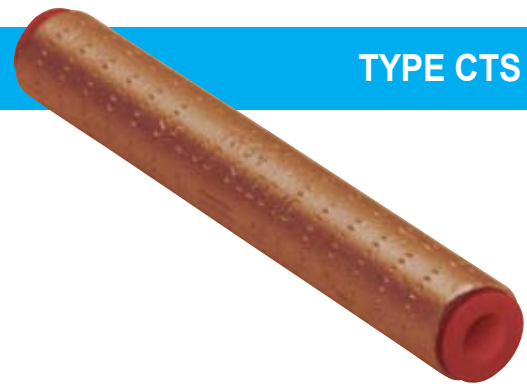
TYPE RC – SINGLE SLEEVE, FULL TENSION SPLICE, FOR ACSR, AAAC, 5005, AAC CONDUCTOR

Cat. No.	Conductor (Stranding)	Lgth.	Mechanical Tools						Hydraulic Tools						EEL Classification
			OD58*		MD Series		O-52		JB12B		Y Series		WH Series		
			Dies	Crimps per End	Die Index	Crimps per End	Dies	Crimps per End	Dies Cat. Nos.	Crimps per End	Die Index	Crimps per End	Die Index	Crimps per End	
RC4BB [‡]	4ACSR(¼, 7/8) 4AAAC(7) 4 5005(7) 4AAC(7)	12"	½	24	W-163	24	½	24	B72AH	6	163	6	½ 510	12 6	—
RC45 [‡]	4ACSR(¼, 7/8) 4AAAC(7) 4 5005(7) 4AAC(7)	12"	5/8-1 635	24 12	BG W-BG W-243	24 24 12	5/8-1 635	24 12	B24EA	6	243 687	6 6	5/8-1 635	12 6	8A
RC2BB [‡]	2ACSR(¼, 7/8) 2AAAC(7) 2 5005(7) 2AAC(7)	13 5/8"	5/8-1 635	28 14	BG W-245	28 14	5/8-1 635	28 14	B24EA B30EA	7	245 687	7 7	5/8-1 635	14 7	9A
RC25 [‡]	2ACSR(¼, 7/8) 2AAAC(7) 2 5005(7) 2AAC(7)	13 5/8"	737 747	28 14	W-C W-247 W-702	28 28 14	737 747	28 14	B39EA	7	167 247 702	14 14 7	737 747	14 7	10A
RC10 [‡]	1/0 ACSR(¾) 1/0 AAAC(7) 1/0 5005(7) 1/0 AAC(7)	15 1/4"	737 747	32 16	W-C W-702	32 16	737 747	32 16	B39EA	8	167 247 702	8 8 8	737	16	10A
RC205 [‡]	2/0 ACSR (¾)	17"	737 747	36 18	W-702	18	737 747	36 18	B39EA	9	247	9	—	—	10A
RC20 [‡]	2/0 ACSR(¾) 2/0 AAAC(7) 2/0 5005(7) 2/0 AAC(7)	16"	781	32	—	—	781	32	B74AH	Overlap	659	Overlap	¾	Overlap	—
RC30 [‡]	3/0 ACSR(¾) 3/0 AAAC(7) 3/0 5005(7) 3/0 AAC(7)	17"	—	—	—	—	—	—	B49EA	Overlap	658	Overlap	29/32	Overlap	11A
RC40 [‡]	4/0 ACSR(¾) 4/0 AAAC(7) 4/0 5005(7) 4/0 AAC(7)	18 1/2"	—	—	—	—	—	—	B61EA	Overlap	654	Overlap	1.00 1-2	Overlap	12A
RC336	336.4 ACSR(1 1/4)	19 1/4"	—	—	—	—	—	—	B80EA	Overlap	655	Overlap	1 1/8-1 1 1/8-2	Overlap	13A
RC397	397.5 ACSR(1 1/4)	21 1/2"	—	—	—	—	—	—	B20AH	Overlap	327	Overlap	1 1/8-1 1 1/8-2	Overlap	14A
RC477	477 ACSR(1 1/4)	24"	—	—	—	—	—	—	B78AH	Overlap	788	Overlap	1 5/16	Overlap	—

[‡]RUS Listed

*OD58 dies are interchangeable with those listed for O-52.

- Meets the full tension requirements of ANSI C119.4



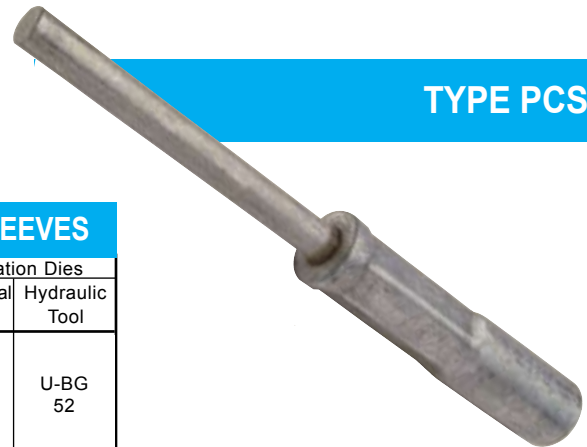
TYPE CTS

Compression Connectors

TYPE CTS – COPPER FULL TENSION SPLICE FOR SOLID, STRANDED AND COPPERWELD CONDUCTOR

Cat. No.	Conductor (Stranding)	Lgth.	Mechanical Tools						Hydraulic Tools					
			OD58		MD Series		O-52		JB12B		Y Series		WH Series	
			Dies	Crimps per End	Die Index	Crimps per End	Dies	Crimps per End	Dies Cat. Nos.	Crimps per End	Die Index	Crimps per End	Die Index	Crimps per End
CTS8	8 sol.	2	J 5/16	3 4	J 5/16	3 4	161	3	—	—	—	—	—	—
CTS6	6 sol.	2½	J 5/16	4 5	J 5/16	4 5	161	4	—	—	—	—	—	—
CTS4	4 sol.	2¾	P	5	P	5	162	5	—	—	—	—	—	—
CTS27	2-7 str.	3¼	½	6	½	6	163	5	—	—	—	—	—	—
CTS407	4/0 str.	7¼	—	—	—	—	—	—	—	—	168	9	840	9
CTS6ACW*	6 ACW	5½	P	10	P	10	162	10	—	—	—	—	—	—

* For Copperweld conductor applications only



TYPE PCS

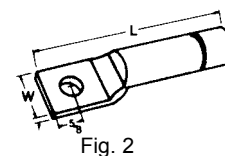
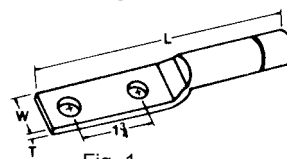
TYPES PCS, PKL AND PRS – PIGTAIL COMPRESSION SLEEVES

Cat. No.	Conductor Range Aluminum				Copper Pigtail		Installation Dies			
	ACSR	Str.	Compact	Solid	Diameter	Length	Mechanical Tool	Hydraulic Tool		
PCS64	6	6	—	4	.204	2½	Peach 5/8 BG TU	U-BG 52		
PCS67	4	4		2						
PCS71	2	1-2		—						
PCS76	1/0	1/0		—						
PKL36-1	—	2/0	—	—	.325	6	840 K840 TX	840 B48EA EEI 11A K840, U249 76		
PKL46-1		2/0								
PKL56-1		3/0								
PKL66-1		4/0								
PKL31-1		1							1, 1/0	1/0
PKL365-1		1/0							1/0, 2/0	2/0
PKL46S-1	2/0	3/0	—	.366	6¼	—	—			
PKL58-1	3/0	4/0								
PKL68-1	4/0	250 KCMIL						4½		
PKL68-1	4/0	250 KCMIL						4½		
PRS25N	266 ²⁶ / ₇	250-300 MCM	—	—	.500	8	—	B80EA, CSA 26, 96H, EEI 13A 655, 1½		
PRS30N	266 ²⁶ / ₇ , 366 ¹⁹ / ₄	300-350 MCM								
PRS35N	336 ³⁰ / ₇ , 26 ²⁶ / ₇ , 18 ¹⁸ / ₄ , 397 ¹⁹ / ₄	336-400 MCM								
PRS35N	336 ³⁰ / ₇ , 26 ²⁶ / ₇ , 18 ¹⁸ / ₄ , 397 ¹⁹ / ₄	336-400 MCM								
PRS40N	397 ¹⁹ / ₄ , 477 ¹⁹ / ₄	450-500 MCM							.625	—	B20AH, CSA28, EEI 14A, 318, 1064, 1½

- Designed for use in joining aluminum secondaries and services to copper transformer bushings
- Sleeves are highly conductive aluminum
- Pigtails are solid copper, tin plated
- Installed with standard tools and dies
- Prefilled with oxide inhibitor

- Extended barrel for additional crimping area or weatherseal for outdoor terminators
- For aluminum and copper conductor
- NEMA Standard mounting holes
- Prefilled with oxide inhibitor
- Complete die and crimp information clearly indented on each lug
- Installed with standard tools and dies
- Use 1/2" mounting hardware for all sizes
- Available tin plated; add suffix P to catalog number

TYPE AL

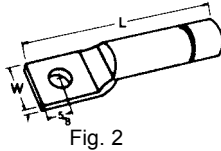
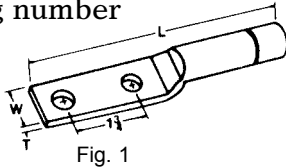


TYPE AL – ALUMINUM COMPRESSION TERMINAL LUGS

Cat. No.		Conductor Range			Diameter (in.)		Installation Dies		Dimensions		
2 Hole (Fig. 1)	1 Hole (Fig. 2)	ACSR	AWG (Stranded)	Compact	min.	max.	Mech. Tool	Hyd. Tool	W	L	T (Pad Thickness)
AL4		2	1-2	—	.316	.332	840 K840 845 TX	840 B49EA EEI, 11A K840 249 76 CSA 24	1/4	5/8	5/16
	AL5	1/0	1/0	2/0	.368	.398				4 7/8	1 3/2
AL6										6 5/8	
	AL7	2/0	2/0	3/0	.414	.447				4 7/8	1 1/2
AL8										6 5/8	
	AL9	3/0	3/0	4/0	.464	.502				4 7/8	5/16
AL10										6 5/8	
	AL11	4/0	4/0	—	.522	.563				4 7/8	9/2
AL12							6 5/8				
AL16		266 ^{26/7} , 9/7, 19/1	250-300	—	.574	.679	—	B80EA EEI 13A 655 1 1/8 96H CSA 26	1 1/2	7 5/8	7/16
AL18		266 ^{26/7} , 9/7, 19/1 336 ^{19/1}	300-350	450 KCMIL	.609	.772			1 9/16		1 3/2
AL20		336 ^{30/7} , 26/7, 19/1 397 ^{19/1}	336-400	500 KCMIL	.666	.813			1 9/16		3/8
AL24		397 ^{30/7} , 26/7, 19/1 477 ^{19/1}	450-500	600 KCMIL	.770	.893	—	106H CSA 28 B20AH EEI 14A 318 1 5/16	1 5/16	8 5/8	1/2
AL28		477 ^{30/7} , 26/7, 24/7 556 ^{19/1}	550 & 556	—	.846	.964					
AL32		556 ^{26/7} , 24/7 636 ^{19/1}	600 & 636	750 KCMIL	.891	.990					
AL44		636 ^{26/7} , 715 ^{24/7} 666 ^{24/7}	750-800	—	.990	1.031	—	1 1/2 6024AH 125H 301 CSA 30	1 5/8	9 5/8	
AL60*		900 ^{54/7} 954 ^{45/7}	1000-1033	—	1.151	1.165					

* For aluminum conductor only.

- For aluminum and copper conductor.
- NEMA Standard mounting holes
- Prefilled with oxide inhibitor
- Complete die and crimp information clearly indented on each lug
- Installed with standard tools and dies
- Use 1/2" mounting hardware for all sizes
- Available tin plated; add suffix P to catalog number



TYPE ALS



Compression Connectors

TYPE ALS – ALUMINUM COMPRESSION TERMINAL LUGS

Cat. No.		Conductor Range					Installation Dies		Dimensions		
Diameter (in.)		ACSR	AWG (Stranded)	Compact	min.	max.	Mech. Tool	Hyd. Tool	W	L	T (Pad Thickness)
2 Hole (Fig. 1)	1 Hole (Fig. 2)										
AL581	AL582	4	4	—	.277	.213	5/8 Peach BG WBG G TU	B58CS U-BG	29/32	3 3/4	1/4
AL583	AL584	2	2	—	.344	.290					
AL585	AL586	1/0	1/0	2/0	.422	.381					
ALS1	ALS2	4	4 2 Solid	4	.258	.232					
ALS3	ALS4	2	1-2	1-2	.332	.316					
ALS5	ALS6	1/0	1/0	2/0	.398	.368					
ALS7	ALS8	2/0	2/0	3/0	.447	.414	840 K840 845 TX	840 B49EA EEI 11A K840 249 76 CSA24	29/32	3 1/4	1/4
ALS9	ALS10	3/0	3/0	4/0	.502	.464					
ALS11	ALS12	4/0	4/0	—	.563	.522					
ALS13	ALS14	3/0, 4/0	3/0, 4/0 250 KCMIL	250 300 KCMIL	.575	.464					
ALS15	ALS16	266 ^{26/7} , 6 ^{7/8} , 18 ^{1/2} KCMIL	250-300	350	.633	.574					
ALS17	ALS18	266 ^{26/7} , 6 ^{7/8} , 18 ^{1/2} 336 ^{18/1}	300-350	350-400	.684	.609					
ALS19	ALS20	336 ^{30/7} , 26 ^{7/8} , 18 ^{1/2} 397 ^{18/1}	336-400	450-500	.743	.666	—	B80EA EEI 13A 655 1 1/8 321 96H CSA 26	1 1/4	4 5/8	3/8
ALS23	ALS24	397 ^{30/7} , 26 ^{7/8} , 18 ^{1/2} 477 ^{18/1}	450-500	550-600	.814	.743					
ALS28	ALS32	477 ^{30/7} , 26 ^{7/8} , 24 ^{7/8} 556 ^{18/1}	550-556	650-700	.883	.846					
ALS32	ALS32	556 ^{26/7} , 26 ^{7/8} 636 ^{18/1}	600-636	750	.940	.891					
ALS44	ALS44	636 ^{26/7} , 715 ^{54/7} 666 ^{26/7} , 54 ^{7/8}	750-800	900	1.031	.990					
ALS60*	ALS60*	900 ^{54/7} 954 ^{45/7}	1000-1033	1033	1.172	1.151					
ALS24	ALS28	477 ^{30/7} , 26 ^{7/8} , 24 ^{7/8} 556 ^{18/1}	550-556	650-700	.883	.846	—	B20AH EEI 14A 318 1 5/16 CSA 28 106H	1 3/8	6 7/8	9/16
ALS32	ALS44	556 ^{26/7} , 26 ^{7/8} 636 ^{18/1}	600-636	750	.940	.891					
ALS44	ALS44	636 ^{26/7} , 715 ^{54/7} 666 ^{26/7} , 54 ^{7/8}	750-800	900	1.031	.990	—	1 1/2 6024 125H CSA 30	1 5/8	7 1/4	5/8
ALS60*	ALS60*	900 ^{54/7} 954 ^{45/7}	1000-1033	1033	1.172	1.151					

* For aluminum conductor only.

CONNECTORS

Compression Stirrup Connectors

Compression Connectors

- For protection of main conductors from arcing damage when hot line taps are installed
- Utilizes standard WR connectors and plated copper bails

TYPES WRQ & WRS

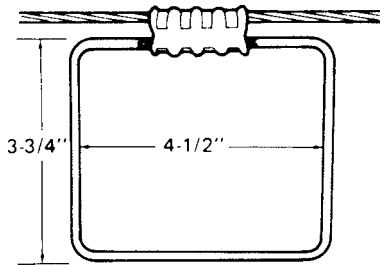
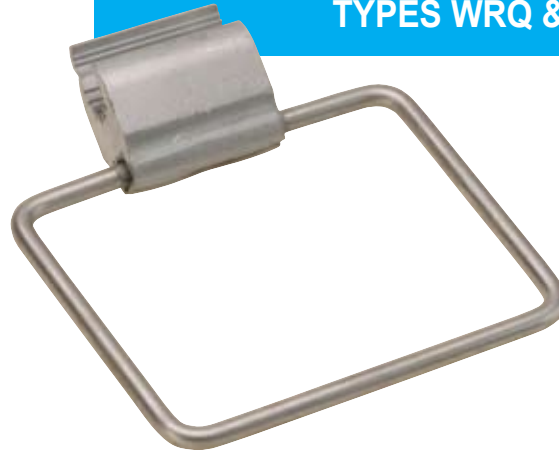


Fig. 1

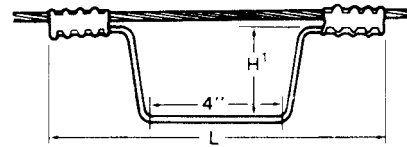


Fig. 2

TYPES WRQ AND WRS – WIDE RANGE COMPRESSION STIRRUPS

Cat. No.		Conductor Range				Copper Bail	Installation Dies		Dimensions Type WRS	
Figure 1	Figure 2	ACSR	AWG	Diameter (in.)*			Mech.	Hyd.	L	H ¹
				max.	min.					
WRQ154	WRS154	2-6	1 str.-6 sol.	.332	.162	4 sol.	O	O	10"	2 ¹⁵ / ₁₆ "
WRQ152	WRS152					2 sol.				
WRQ172	WRS172	1/0-3	1/0 str.-1 sol.	.398	.281	2 sol.	D	D		
WRQ232	WRS232	2/0-1/0	2/0 str.-1/0 str.	.447	.368	2 sol.				
WRQ352	WRS352	4/0-3/0	4/0 str.-3/0 str.	.563	.460	2 sol.	—	N	12 ¹ / ₄ "	3 ³ / ₁₆ "
—	WRS719	397 ¹ / ₂ -266	400 str.-250 str.	.743	.600	2/0 sol.				
—	WRS819	477 ² / ₅ -336	500 str.-336 str.	.858	.666	2/0 sol.				
WRQ698	—	477 ² / ₅ -266	500 str.-250 str.	.858	.574	2 sol.				

* Decimal dimensions are for conventional conductor, not Copperweld or Alumoweld.

- Aluminum connector elements are designed to be pre-loaded for faster installation into popular “hot stick” tools and compressed using standard “O,” “D” and “N” dies
- Connectors are prefilled with inhibitor compound
- Wide range—only 4 sizes cover #6 solid to 500 KCMIL stranded
- Tin plated bail for lower contact resistance
- Knurled to resist rotation

TYPE SC & QC

Compression Connectors

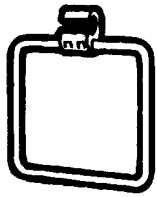


Fig. 1

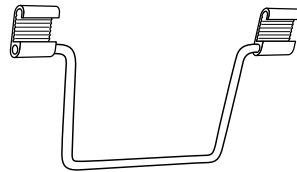


Fig. 2

TYPES SC AND QC – WIDE RANGE COMPRESSION STIRRUPS

Cat. No.		Conductor Range				Bail		Installation Dies		Dimensions (in.)	
		ACSR	AWG Alum.	Diameter		(Tin Plated)					
Fig. 1	Fig. 2			(in.)	mm	Size	Diameter (mm)	Mech.	Hyd.	L	H
QCO 02	SCO 02	2-6	2 str.–6 sol.	.325-.162	8.25-.412	#2 solid	6.35	O	O	8¾	3⅝
QCO 21	SCO 21	2/0-2	2/0 str.–2 str.	.414-.292	10.51-7.41	#2 solid	6.35	O	O	8¾	3⅝
QCD 41	SCD 41	4/0-3/0	4/0 str.–3/0 str.	.563-.464	14.29-10.51	#2 solid	6.35	D	—	8¾	3⅝
QCN 50	SCN 50	477½-4/0	500–4/0 str.	.814-.528	20.66-13.40	1/0 solid	6.22	—	N	11	3⅞

- Tin plated for lower contact resistance
- Knurled to resist rotation

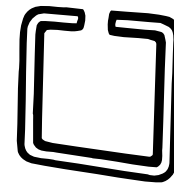
PLATED COPPER BAIL

PLATED COPPER BAIL

Cat. No.	Ball Wire Size	Dimensions	
		Mech.	Hyd.
7019	#2 solid copper	10"	2-15/16"
7020	2/0 solid copper	12-1/4"	3-3/16"
7030	#2 solid copper	4-1/2"	3-3/4"
7030C	#2 solid copper	4-1/2"	3-3/4"



7019



7020
7030



7030C

CONNECTORS

Compression Stirrup Connectors

Compression Connectors

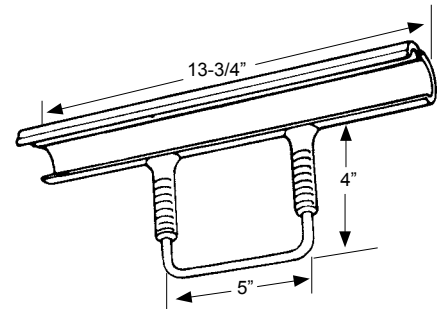
- Single-piece stirrup for large conductor
- Use U or 6024 Installation Die

TYPE CCS



TYPE CCS – COMPRESSION STIRRUP

Cat. No.	Conductor Range		Copper Bail (Tin Plated)
	max.-min.	Diameter max.-min.	
CCS44	800—636 str.	1.032—.918	2/0 sol.



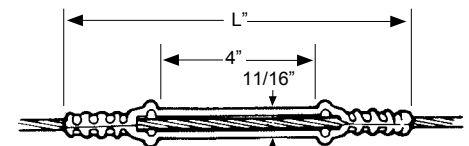
- Covers and protects conductor from arcing when line clamp is attached or disconnected

TYPE LP



TYPE LP – COMPRESSION LINE PROTECTOR SLEEVE

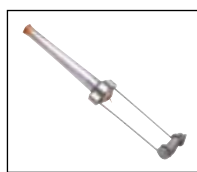
Cat.No.	Conductor Range		Diameter		Dimensions L	Installation Dies
	ACSR	AWG	max.	min.		
LP4	4	4	.257	.232	8"	5/8, Peach BG, G
LP2	2	2	.316	.292		0
LP10	1/0	1/0	.398	.373		



Hot line clamp bearing surface: 11/16" dia. x 4" length



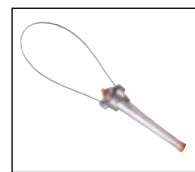
Type ATS
Automatic Splices
Page 30



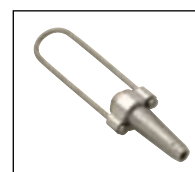
Type ATD-ZB
Stainless Steel Bail
Page 31



Type ATD-CB
Clevis Bracket
Page 32



Type ATD-FB
Flexible Bail
Page 32



Guystrand
ATDG
Page 33



Guystrand
ATSG
Page 34

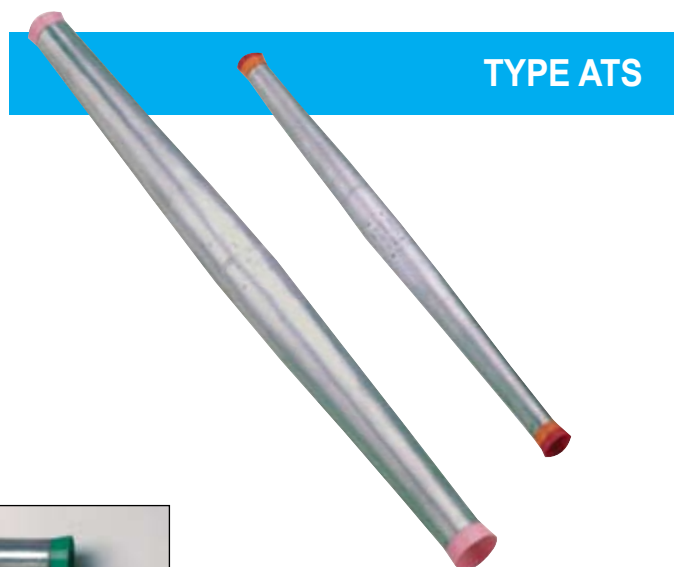


Type W
Wedge Clamp
Page 35

Blackburn automatic connectors make fast and dependable overhead tension splices that take a bite out of installation time.

Conductor simply slips into the color-coded, funnel-shaped end piece and automatically enters the pilot cup with a gentle push. The pilot cup guides the conductor past the unique serrated jaws and into the center of the connector.

When the conductor meets the center stop, the pull-back locks it into position as the jaws firmly clamp down...the more pull, the more bite...to provide an instant, positive and automatic connection.



- Color-coded end pieces provide instant visual identification of maximum conductor size. A separate, color-coded tape identifies the minimum conductor size of wide range connectors to further eliminate errors and save installation time.
- The funnel-shaped end piece swiftly guides conductor into position for insertion.
- A pilot cup envelopes strands and guides the conductor past the serrated jaws and into the center of the splice.
- Die-cast precision made jaw provides optimum contact area for a greater range of conductor sizes. No other jaw design forms point-to-point contact with such tenacity to give you a better fit over a range of conductor diameters which reduces your inventory stocking requirements.
- Compression spring positions the unique jaw for positive conductor acceptance.
- Tubular center stop automatically determines proper insertion length of both conductors.
- High strength, aluminum alloy tubing covers the connection for superior corrosion protection and lasting service life.
- Packaged in plastic bags to repel dirt and debris. Instructions, printed on each bag, save time and further eliminate the potential for errors during installation.

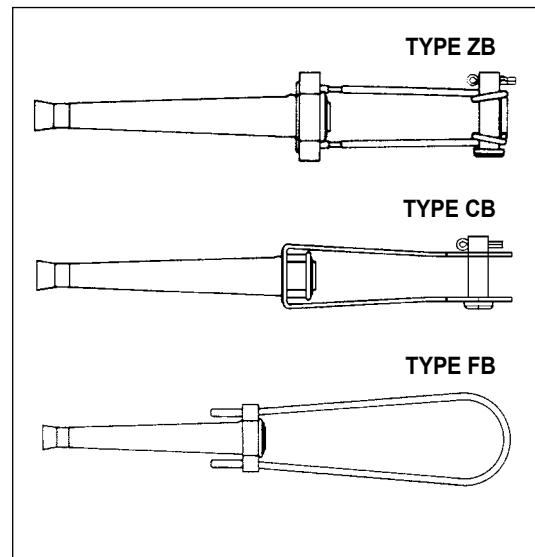
TYPE ATS – AUTOSSET™ AUTOMATIC SPLICES

Cat. No.	Conductor Range			Decimal Range	Color Code	Overall Length
	ACSR	AAAC	AAC			
ATS4-S	4 $\frac{1}{4}$, $\frac{7}{8}$	4	4	.232 - .260	4 - Orange	11.50"
ATS4	4 $\frac{1}{4}$, $\frac{7}{8}$	4	4	.232 - .260	4 - Orange	13.75"
ATS42	4 $\frac{1}{4}$, $\frac{7}{8}$ 2 $\frac{3}{4}$, $\frac{7}{8}$	4-2	4-2	.232 - .332	4 - Orange 2 - Red	13.75"
ATS2	2 $\frac{1}{4}$, $\frac{7}{8}$	2	2	.292 - .332	2 - Red	13.75"
ATS10	1/0 $\frac{1}{4}$	1/0	1/0	.368 - .410	1/0 - Yellow	16.25"
ATS1020	1/0 $\frac{1}{4}$ 2/0 $\frac{1}{4}$	1/0-2/0	1/0-2/0	.368 - .461	1/0 - Yellow 2/0 - Grey	16.25"
ATS20	2/0, $\frac{7}{8}$	2/0	2/0	.414 - .461	2/0 - Grey	16.25"
ATS30	3/0, $\frac{1}{2}$	3/0	3/0	.461 - .522	3/0 - Black	16.25"
ATS3040	3/0 $\frac{1}{4}$ 4/0 $\frac{1}{4}$	3/0-4/0	3/0-4/0	.461 - .575	3/0 - Black 4/0 - Pink	23.50"
ATS40	4/0 $\frac{1}{4}$ 266 $\frac{1}{8}$	4/0	4/0	.475 - .575	4/0 - Pink	23.50"
ATS266336	266 $\frac{29}{64}$ * 336 $\frac{1}{8}$ * 336 $\frac{29}{64}$ *	312.8*	266-336	.586 - .684	Green	23.50"
ATS397477	397 $\frac{19}{64}$ * 397 $\frac{29}{64}$ * 477 $\frac{19}{64}$ *	394.5*	397-477	.720 - .858	Blue	23.50"

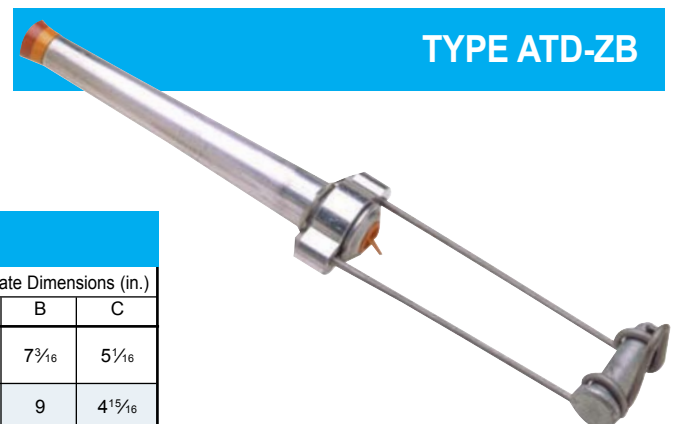
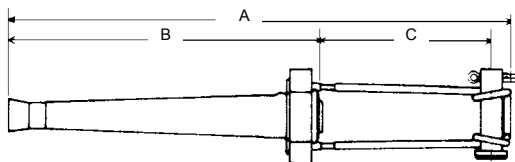
*Application limited to maximum 10,000 pounds tensile.

Blackburn's automatic deadend features the same innovative jaw design as the field-proven Blackburn Type ATS automatic tension splice. The Type ATD automatic tension deadend accepts ACSR, AAC, and AAAC conductors. Its range-taking capability helps take a bite out of inventory costs because the five ATD sizes replace eight sizes of other brands. Installation of the new deadend is fast and easy, thus reducing maintenance costs as well as reducing inventory.

- Color-coded end pieces provide instant visual identification of maximum conductor size. A separate, color-coded tape identifies the minimum conductor size of the wide range connectors to further eliminate errors and save installation time.
- The funnel-shaped end piece swiftly guides conductor into position for insertion.
- A pilot cup envelopes strands and guides the conductor past the serrated jaws.
- Die-cast precision-made jaws provide optimum contact area for a greater range of conductor sizes.
- The jaws and the I.D. of the tube are coated with a special microcrystalline based inhibitor/lubricant which seals the connection and provides a high pressure lubricant for long term continuous performance.
- The deadends are provided with factory installed dust covers.
- Compression spring positions the unique jaw for positive conductor acceptance.



- Used for deadending ACSR, AAC, and AAAC conductors
- Complete with galvanized steel clevis pin and stainless steel cotter pin for use with standard deadend suspension insulators
- Breaking strength exceeds 95% of rated strength of conductor up to 10,000 lb. maximum.

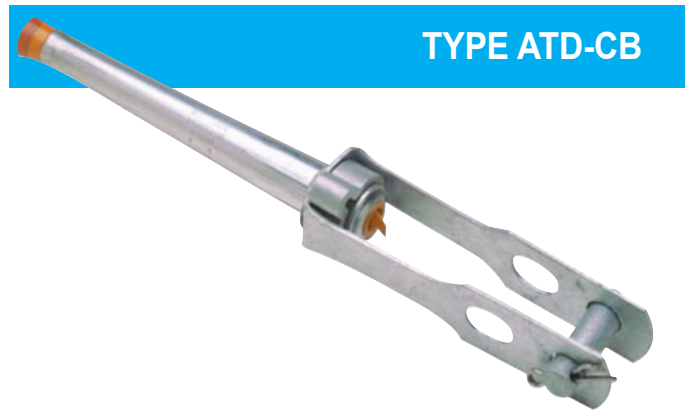


TYPE ATD-ZB – STAINLESS STEEL BAIL

Cat. No.	Conductor Range			Decimal Range	Color Code	Approximate Dimensions (in.)		
	ACSR	AAAC	AAC			A	B	C
ATD42ZB	4%, 7/8 2%, 7/8	4 2	4 2	.232 -.332	4 - Orange 2 - Red	12 ¹⁹ / ₁₆	7 ¹ / ₁₆	5 ¹ / ₁₆
ATD1020ZB	1/0 ¹ / ₂ 2/0 ¹ / ₂	1/0 2/0	1/0 2/0	.368 -.461	1/0 - Yellow 2/0 - Grey	14 ¹ / ₂	9	4 ¹⁵ / ₁₆
ATD3040ZB	3/0 ¹ / ₂ 4/0 ¹ / ₂	3/0 4/0	3/0 4/0	.461 -.575	3/0 - Black 4/0 - Pink	20 ³ / ₄	11 ³ / ₄	8 ¹ / ₂
ATD266336ZB	266 ¹⁹ / ₁₆ 336 ¹⁹ / ₁₆	266 336	266 336	.586 -.684	Green	20 ³ / ₄	11 ³ / ₄	8 ¹ / ₂
ATD397477ZB	397 ¹⁹ / ₁₆ 477 ¹⁹ / ₁₆	397 477	397 477	.720 -.858	Blue	20 ³ / ₄	11 ³ / ₄	8 ¹ / ₂

Automatic Connectors and Wedge Clamps

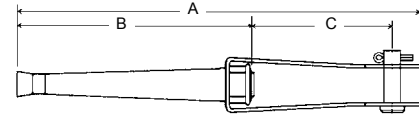
- Used for deadending ACSR, AAC, and AAAC conductors
- Complete with galvanized steel clevis pin and stainless steel cotter pin for use with standard deadend suspension insulators
- Slots provided for use with standard pulling hooks
- Breaking strength exceeds 95% of rated strength of conductor up to 10,000 lb. maximum



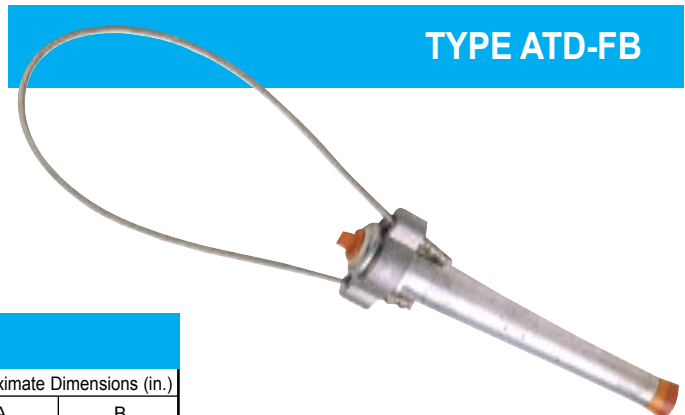
TYPE ATD-CB

TYPE ATD-CB – CLEVIS BRACKET

Cat. No.	Conductor Range			Decimal Range	Color Code	Approximate Dimensions (in.)		
	ACSR	AAAC	AAC			A	B	C
ATD42CB	4 ⁵ / ₁₆ , 7 ¹ / ₁₆ 2 ⁵ / ₁₆ , 7 ¹ / ₁₆	4 2	4 2	.232 -.332	4 - Orange 2 - Red	12 ³ / ₁₆	7 ³ / ₁₆	5 ¹ / ₁₆
ATD1020CB	1/0 ⁵ / ₁₆ 2/0 ⁵ / ₁₆	1/0 2/0	1/0 2/0	.368 -.461	1/0 - Yellow 2/0 - Grey	15 ¹ / ₄	9	5 ³ / ₈
ATD3040CB	3/0 ⁵ / ₁₆ 4/0 ⁵ / ₁₆	3/0 4/0	3/0 4/0	.461 -.575	3/0 - Black 4/0 - Pink	20 ³ / ₄	11 ³ / ₄	6 ¹ / ₂
ATD266336CB	266 ¹⁸ / ₁₆ 336 ¹⁸ / ₁₆	266 336	266 336	.586 -.684	Green	19 ³ / ₁₆	11 ³ / ₄	6 ¹ / ₂
ATD397477CB	397 ¹⁸ / ₁₆ 477 ¹⁸ / ₁₆	397 477	397 477	.720 -.858	Blue	19 ³ / ₁₆	11 ³ / ₄	6 ¹ / ₂



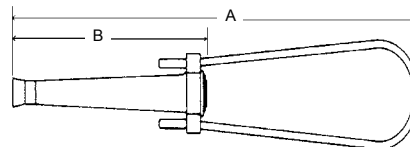
- Used for deadending ACSR, AAC, and AAAC conductors
- Flexible Bail for use with spool and other type insulators where flexibility is a requirement
- Breaking strength exceeds 95% of rated strength of conductor



TYPE ATD-FB

TYPE ATD-FB – FLEXIBLE BAIL

Cat. No.	Conductor Range			Decimal Range	Color Code	Approximate Dimensions (in.)	
	ACSR	AAAC	AAC			A	B
ATD42FB	4 ⁵ / ₁₆ , 7 ¹ / ₁₆ 2 ⁵ / ₁₆ , 7 ¹ / ₁₆	4 2	4 2	.232 -.332	4 - Orange 2 - Red	14 ³ / ₁₆	7 ³ / ₁₆
ATD1020FB	1/0 ⁵ / ₁₆ 2/0 ⁵ / ₁₆	1/0 2/0	1/0 2/0	.368 -.461	1/0 - Yellow 2/0 - Grey	18 ³ / ₈	9



Features:

The new family of steel strand automatic deadends is designed and recommended for use on:

- Common Grade
- Siemens-Martin
- High Strength Utility Grade
- EHS*
- Galvanized
- Bethalume
- Aluminized steel strand (Per ASTM A 474, A 475)
- The connectors are designed and capable of handling tensile loads in excess of 90% of the rated strength of the recommended strand.
- Made from high strength aluminum tapered cartridge and hardened zinc plated steel jaws
- Aluminum cartridge and internal components (jaws, spring, washers) are factory lubricated

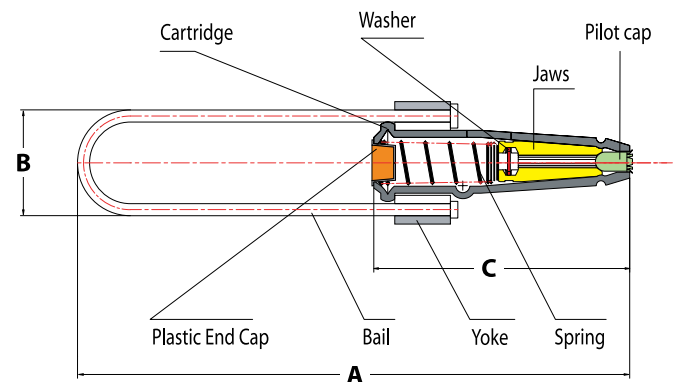
Benefits:

- No tools required – quick and easy installation
- Variable / flexible on demand strand compression
- Exceeds 90% of the strand rated breaking strength (RBS)**
- Pilot cup/jaw system eliminates accidental misapplication.
- Slotted access window permits jaw adjustment to allow repositioning, removal or retensioning of strand (deadends)
- Corrosion resistant (aluminum tube, zinc-dichromate plated jaws, lubricated internal components)

TYPE ATDG



Automatic Connectors and Wedge Clamps



TYPE ATDG GUYSTRAND CONNECTORS FOR STEEL STRAND APPLICATIONS

Cat. No.	Type	Strand Nominal	Strand**		Dimensions in. (mm)			Std. Pack
		Diameter in. (mm)	Size	RBS lbs. (kN)	A	B	C	
ATDG14	Std. Bail	1/4 (6.35)	1/4 (6.6M)	6,650 (29.58)	9.2 (233.7)	1.7 (43.2)	4.0 (101.6)	12
ATDG516	Std. Bail	5/16 (7.94)	5/16 (6M)	11,200 (49.82)	9.5 (241.3)	1.8 (45.7)	4.5 (114.3)	12
ATDG38	Std. Bail	3/8 (9.52)	3/8 (10M)	15,400 (68.50)	11.5 (292.1)	2.3 (58.4)	5.0 (127)	12
ATDG716	Std. Bail	7/16 (11.11)	7/16 (18M)	20,800 (92.52)	14 (355.6)	2.8 (71.1)	6.8 (172.7)	12
ATDG14-L	Long Bail	1/4 (6.35)	1/4 (6.6M)	6,650 (29.58)	13.4 (340.4)	1.7 (43.2)	4.0 (101.6)	12
ATDG516-L	Long Bail	5/16 (7.94)	5/16 (6M)	11,200 (49.82)	15.1 (383.5)	1.8 (45.7)	4.5 (114.3)	12
ATDG38-L	Long Bail	3/8 (9.52)	3/8 (10M)	15,400 (68.50)	17.0 (431.8)	2.3 (58.4)	5.0 (127)	12
ATDG716-L	Long Bail	7/16 (11.11)	7/16 (18M)	20,800 (92.52)	22 (558.8)	2.8 (71.1)	6.8 (172.7)	12

*Items for 3/8" and 7/16" steel strand are not EHS rated.

**RBS rating listed is for 7 wire EHS strand.

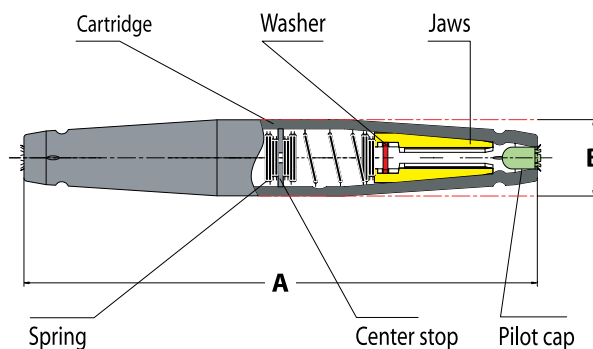
Features:

The new family of steel strand automatic splices is designed and recommended for use on:

- Common Grade
- Siemens-Martin
- High Strength Utility Grade
- EHS*
- Galvanized
- Bethalume
- Aluminized steel strand (Per ASTM A 474, A 475)
- The connectors are designed and capable of handling tensile loads in excess of 90% of the rated strength of the recommended strand.
- Made from high strength aluminum tapered cartridge and hardened zinc plated steel jaws
- Aluminum cartridge and internal components (jaws, spring, washers) are factory lubricated

Benefits:

- No tools required – quick and easy installation
- Variable / flexible on demand strand compression
- Exceeds 90% of the strand rated breaking strength (RBS)**
- Pilot cup/jaw system eliminates accidental misapplication.
- Corrosion resistant (aluminum tube, zinc-dichromate plated jaws, lubricated internal components)



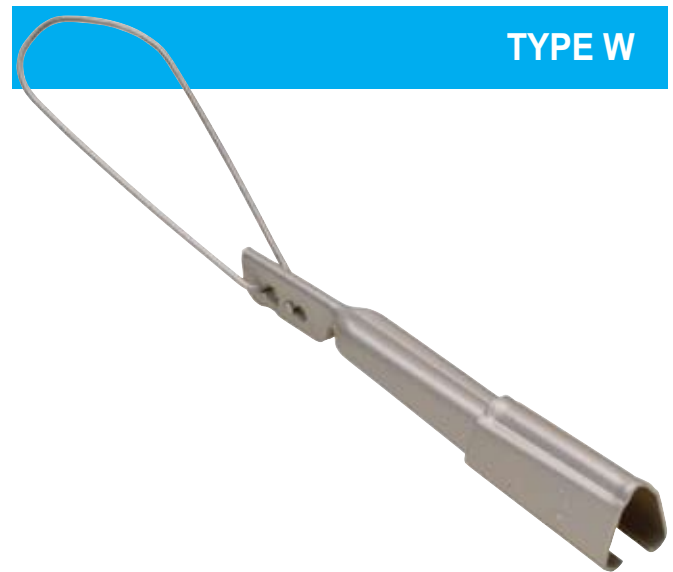
TYPE ATSG SPLICES

Cat. No.	Strand Nominal	Strand**		Dimensions in. (mm)		Std. Pack
	Diameter in. (mm)	Rating	RBS lbs. (kN)	A	B	
ATSG14	1/4 (6.35)	1/4 (6.6M)	6,650 (29.58)	6.4 (162.6)	.9 (22.8)	12
ATSG516	5/16 (7.94)	5/16 (6M)	11,200 (49.82)	7.2 (182.9)	1.1 (27.9)	12
ATSG38	3/8 (9.52)	3/8 (10M)	15,400 (68.50)	7.8 (198.1)	1.3 (33.0)	12
ATSG716	7/16 (11.11)	7/16 (18M)	20,800 (92.52)	12.5 (317.5)	1.6 (40.6)	12

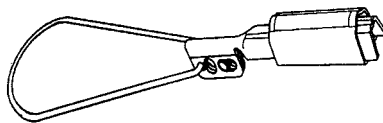
*Items for 3/8" and 7/16" steel strand are not EHS rated.

**RBS rating listed is for 7 wire EHS strand.

- For dead-ending self-supporting drop wire
- Saves conductor – drop wire may be cut to exact length
- Can be attached to bare neutral at any point in the span
- Adjustments in drop wire sag are easily made
- Grips ACSR, AAAC, or AAC conductors



“FC” Flexible Bail
(Bail Length - 11-1/2")



Rigid Stainless Steel Bail
(Bail Length - 6-1/2")

Automatic Connectors
and Wedge Clamps

TYPE W – ALUMINUM SERVICE WEDGE CLAMPS FOR USE WITH ACSR, ALUMINUM, AAAC CONDUCTOR

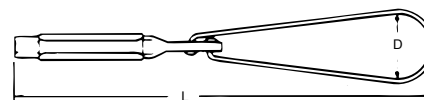
Cat. No.	Description	Conductor Range			Dimensions		Typical Tensile Values		Color Code
		ACSR	AL	AAAC	D	L	Conductor	Value (lb.)	
W62-1	W-1 Series Aluminum Wedge and Slider	2—6	1 str.—	2—6	2 ³ / ₈	12	2 6/1 ACSR	1200	Orange
W62-1FC			6 sol.		flex.	17 ¹ / ₂			
W20-1		1/0—4	2/0 str.—	1/0—4	2 ³ / ₈	12 ¹ / ₂	1/0 6/1 ACSR	1800	Blue
W20-1FC			2 sol.		flex.	18 ¹ / ₂			
W40-1*		4/0—2/0	4/0 str.—	4/0—2/0	2 ³ / ₈	12 ³ / ₄	4/0 6/1 ACSR	1900	Red
W40-1FC*	2/0 sol.		flex.		18 ¹ / ₂				
W62-1B	W-1B Series For extremely corrosive areas. Iridited Aluminum Wedge and Slider	2—6	1 str.—	2—6	2 ³ / ₈	12	2 6/1 ACSR	1200	Orange
W62-1BFC			6 sol.		flex.	17 ¹ / ₂			
W20-1B		1/0—4	2/0 str.—	1/0—4	2 ³ / ₈	12 ¹ / ₂	1/0 6/1 ACSR	1800	Blue
W20-1BFC			2 sol.		flex.	18 ¹ / ₂			
W40-1B*		4/0—2/0	4/0 str.—	4/0—2/0	2 ³ / ₈	12 ³ / ₄	4/0 6/1 ACSR	1900	Red
W40-1BFC*	2/0 sol.		flex.		18 ¹ / ₂				

* W40 series clamps rated 850 lb. ultimate tension for 1/0 ACSR, AL, or AAAC.

TYPE W – STAINLESS STEEL WEDGE CLAMPS

Cat. No.	Conductor Range		Dimensions		Typical Tensile Values		Color Code
	Stranded	Solid	D	L	Conductor	Value (lb.)	
W62D	2—6	1—6	2 ³ / ₈	12	2—7 str. AAC	1300	Orange

- For use on copper neutral
- Stainless steel wedge and slider





Type H, HPS, HPW
Copper Split Bolt
Connectors
Pages 38, 39



Type N, NPW
Service Entrance Connectors
Page 40



Type MS
Neutral Span Clamp
Page 40



Type PAA, PAC, PAE, PC, K
Parallel Groove
Connectors
Pages 41-43



**Type 2B, 2BX, 2BW,
2BPW**
Two-Bolt Connectors
Pages 44, 45



Type XT
Cross Tap Clamp
Page 46



Type DLC
Dead-End Clamps
Page 46



Type HLC, PGH
Hot Line Clamps
Page 47



Type 4B, 6B
Multi-Bolt Connectors
Page 48

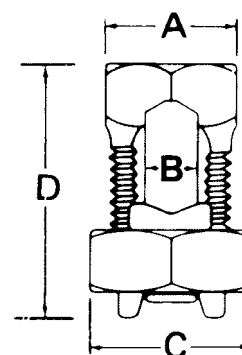
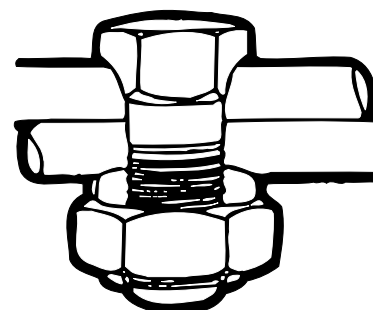
- For copper to copper connections
- Bolt and nut of high strength corrosion-resistant bronze alloy
- Pressure bar is copper through 40H; copper alloy is used for 350 KCMIL and above
- Bolt and nut of hex design up to 350 KCMIL
- Tested and Listed to U.L. 486A requirements

TYPE H



TYPE H – HIGH STRENGTH SPLIT BOLT CONNECTORS

Cat. No.	Conductor Range (AWG or KCMIL)		Dimensions (in.)			
	Range for Equal Main and Tap	Min. Tap with One Max. Main	A	B	C	D
9H	10 str.—12 sol.	14 sol.	3/8	.146	1/2	25/32
8H	8 str.—10 sol.	14 sol.	3/8	.146	1/2	25/32
8H3*	8 str.—12 sol.	16 str.	3/8	.146	1/2	29/32
6H	6 sol.—8 sol.	14 sol.	15/32	.170	21/32	31/32
6H3*	6 sol.—10 sol.	16 str.	15/32	.170	21/32	1 1/8
4H	4 sol.—8 sol.	14 sol.	17/32	.235	23/32	1 1/16
4H3*	4 sol.—8 sol.	16 str.	17/32	.235	23/32	1 9/32
3H	3 sol.—8 sol.	16 str.	17/32	.235	23/32	1 1/16
3H3*	4 str.—8 sol.	16 str.	17/32	.235	23/32	1 9/32
2H	2 sol.—6 sol.	14 sol.	19/32	.271	25/32	1 1/4
2H3*	2 sol.—6 sol.	14 sol.	19/32	.271	25/32	1 15/32
1H	2 str.—6 sol.	14 sol.	11/16	.330	7/8	1 11/32
1H3**	2 str.—6 sol.	14 sol.	11/16	.330	7/8	1 5/8
10H	1/0 str.—4 sol.	14 sol.	3/4	.385	15/16	1 19/32
20H	2/0 str.—2 sol.	14 sol.	7/8	.443	1 1/16	1 13/16
30H	4/0 str.—2 sol.	6 sol.	1	.580	1 5/16	2 5/32
40H	250 KCMIL—1 str.	8 sol.	1	.580	1 5/16	2 5/32
350M	350 KCMIL-250 KCMIL	1/0 str.	1 5/16	.717	1 21/32	2 11/16
500M	500 KCMIL-400 KCMIL	2/0 str.	1 1/2	.842	1 7/8	3 3/32
750M	750 KCMIL-600 KCMIL	4/0 str.	1 15/16	1.029	2 1/4	3 21/32
1000M	1000 KCMIL-800 KCMIL	4/0 str.	2 1/4	1.185	2 17/32	4 1/32



* Will accommodate 3 wires of maximum size

** Will accommodate 3 #2 str. wires

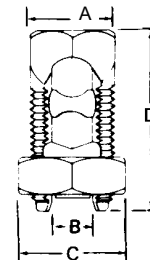
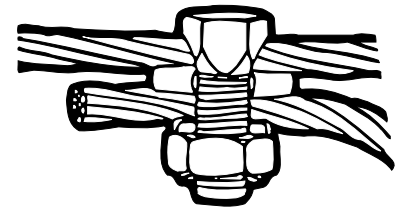
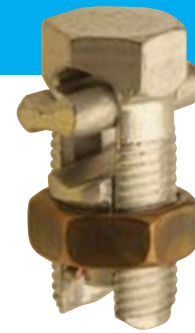
The H3 bolts are not U.L. Listed or CSA Certified.

U.L. recognizes solid and stranded conductor configurations for sizes #8 and smaller and stranded configurations only for sizes #6 and larger.



- For use on copper, aluminum and ACSR conductors
- Most connectors are U.L. Listed and CSA Certified for copper conductor only
- Bolt and pressure bar of copper alloy completely tin plated
- Contoured spacer of electrolytic copper up through 4/0; bronze alloy 350 and above, all tin plated
- Blackburn Contax recommended when used on aluminum conductor

TYPE HPS



TYPE HPS – PLATED SPLIT-BOLT CONNECTORS WITH SPACER

Cat. No.	Conductor Range (AWG or KCML)			Dimensions (in.)			
	Range for Equal Main and Tap	Range for Equal Main and Tap	Min. Tap with One Max. Main	A	B	C	D
	ACSR	Copper or Aluminum					
9HPS	–	10 str.–12 sol.	12 sol.	3/8	.146	1/2	29/32
8HPS	–	8 str.–12 sol.	12 sol.	3/8	.146	1/2	29/32
6HPS	8	6 sol.–12 sol.	12 sol.	15/32	.170	21/32	1 1/8
4HPS	6–8	4 sol.–12 sol.	12 sol.	17/32	.235	23/32	1 9/32
2HPS	4–8	2 sol.–8 sol.	8 sol.	19/32	.271	25/32	1 15/32
1HPS	2–8	1 str.–8 sol.	8 sol.	11/16	.330	7/8	1 5/8
10HPS	1–6	1/0 str.–6 sol.	6 sol.	3/4	.385	15/16	1 13/16
20HPS	1/0–6	2/0 str.–6 str.	6 sol.	7/8	.443	1 1/16	2 1/16
40HPS	4/0–4	4/0 str.–4 sol.	4 sol.	1	.580	1 5/16	2 15/32
350HPS	266.8–1/0	350 KCML–1/0 str.	2 sol.	1 5/16	.717	1 21/32	2 11/16
500HPS*	397.5–1/0	500 KCML–1/0 str.	1/0 str.	1 1/2	.842	1 7/8	3 1/32
750HPS*	666.6–4/0	750 KCML–4/0 str.	2/0 str.	1 15/16	1.029	2 1/4	3 21/32
1000HPS*	900–477	1000 KCML–500 KCML	4/0 str.	2 1/4	1.185	2 17/32	4 1/32

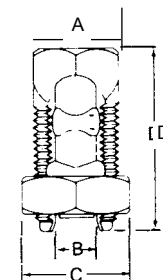
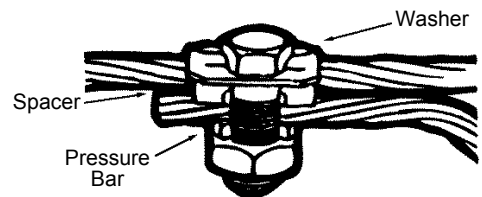
* Not CSA Certified. U.L. 486A



Mechanical Connectors

- For use on combinations of copper, aluminum and ACSR conductors
- Bolt and pressure bar of high strength copper alloy completely tin plated; spacer and washer of electrolytic copper up through 4/0; bronze alloy 350 and above, all tin plated
- Contoured spacer and bell mouth washer distributes pressure over large area of conductor
- Large contoured spacer provides wide separation between copper and aluminum conductors
- Blackburn Contax recommended when used with aluminum conductor

TYPE HPW



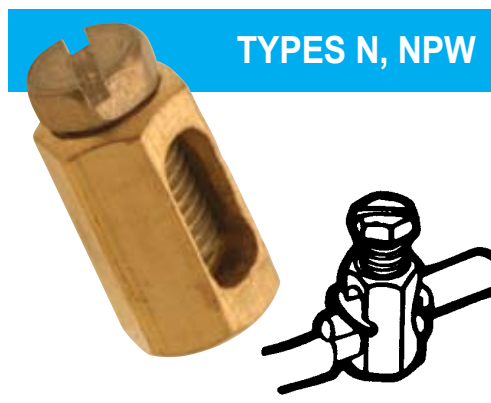
TYPE HPW – PLATED SPLIT-BOLT CONNECTORS W/SPACER & WASHER

Cat.No.	Conductor Range (AWG or KCML)			Dimensions (in.)			
	Range for Equal Main and Tap	Range for Equal Main and Tap	Min. Tap with One Max. Main	A	B	C	D
	ACSR	Copper or Aluminum					
6HPW	8	6 sol.–12 sol.	12 sol.	15/32	.170	21/32	1 1/8
4HPW	6–8	4 sol.–12 sol.	12 sol.	17/32	.235	23/32	1 9/32
2HPW	4–8	2 sol.–8 sol.	8 sol.	19/32	.271	25/32	1 15/32
1HPW	2–8	1 str.–8 sol.	8 sol.	11/16	.330	7/8	1 5/8
10HPW	1–6	1/0 str.–6 sol.	6 sol.	3/4	.385	15/16	1 13/16
20HPW	1/0–6	2/0 str.–6 sol.	6 sol.	7/8	.443	1 1/16	2 1/16
40HPW	4/0–4	4/0 str.–4 sol.	4 sol.	1	.580	1 5/16	2 15/32

CONNECTORS

Mechanical Service Entrance Connectors

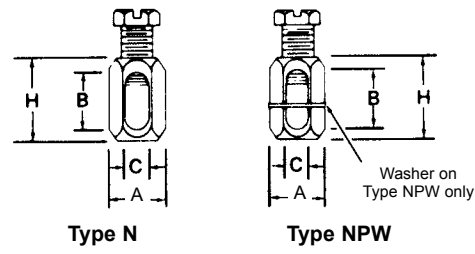
- Service entrance connectors with bodies and screws of high-strength copper alloy; NPW is tin plated
- Type NPW has phosphor bronze washer, tin plated to protect conductor and distribute pressure
- Type NPW can be used on ACSR conductor
- Slotted hex head screw



TYPES N, NPW

TYPES N & NPW – SERVICE ENTRANCE CONNECTORS

Cat. No.	Conductor Range (AWG)				Dimensions (in.)				Bolt Head	
	ACSR		Copper		A	B	C	H		
	max.	min.	max.	min.						
10N	10NPW	—	—	10 str.	14 sol.	$\frac{3}{8}$	.337	.156	.562	$\frac{9}{32}$
6N	6NPW	8	8	6 str.	10 sol.	$\frac{7}{16}$	.415	.191	.656	$\frac{5}{16}$
4N	4NPW	6	8	4 str.	6 sol.	$\frac{1}{2}$	.515	.243	.775	$\frac{3}{8}$
—	2NPW	4	8	2 str.	6 sol.	$\frac{21}{32}$	.643	.304	.970	$\frac{1}{8}$



Mechanical Connectors

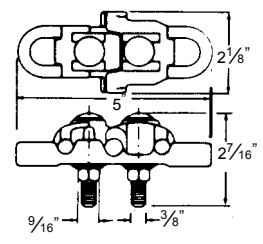
- A combination aerial cable neutral parallel groove connector and dead-ending clamp that accommodates up to four service drops
- Used in situations where house is not adjacent to pole
- Taps may be installed later independent of existing connections
- Castings are of high strength aluminum alloy; hardware is galvanized steel; one piece construction

TYPE MS



TYPE MS – NEUTRAL SPAN CLAMP

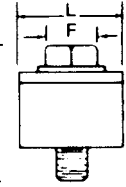
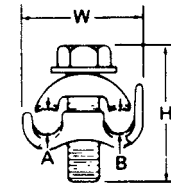
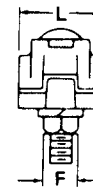
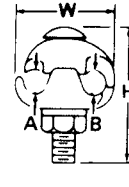
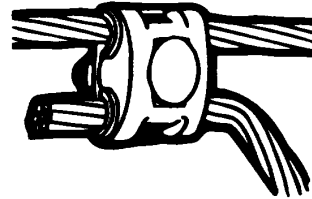
Cat. No.	Conductor Range			
	ACSR		AWG	
	Main	Tap	Main	Tap
MS4	4/0—4	1/0—6	4/0 str.—2 sol.	1/0 str.—6 sol.



- For use on copper, aluminum and ACSR conductors
- Order pre-filled with oxide inhibitor for use on copper to aluminum
- Clamps are high-strength, heat treated cast aluminum alloy
- Galvanized steel carriage bolt, nut and lockwasher are standard; for hex head bolts add suffix 3



TYPE PAA



Cast PAA

PAA339

TYPE PAA – ONE & TWO-BOLT ALUMINUM PARALLEL GROOVE CLAMPS

Cat. No.		Conductor Range				Conductor Diameter				Dimensions (in.)				Bolt Size
		Main		Tap		Main		Tap		F	H	L	W	
Standard	Prefilled	ACSR	AL/CU	ACSR	AL/CU	max.	min.	max.	min.					
	PAA29	2—6	2 str.—6 sol.	2—6	2 str.—6 sol.	.316	.162	.316	.162	5/16	1 13/16	1 1/2	1 1/2	5/16
	PAA339	1/0—6	1/0 str.—6 sol.	1/0—6	1/0 str.—6 sol.	.398	.162	.398	.162	5/16	1 1/4	1 1/4	1 1/2	3/8
PAA4	PAA49	1/0—6	1/0 str.—6 sol.	1/0—6	1/0 str.—6 sol.	.398	.162	.398	.162	5/16	2 7/32	1 3/16	1 1/2	3/8
PAA5	PAA59	1/0—8	1/0 str.—8 sol.	1/0—8	1/0 str.—8 sol.	.398	.128	.398	.128	5/16	2 7/32	1 11/32	1 1/2	3/8
PAA6	PAA69	1/0—8	2/0 str.—8 sol.	1/0—8	2/0 str.—8 sol.	.414	.128	.414	.128	5/16	2 7/32	1 3/8	1 5/8	3/8
PAA10*	PAA109	336.4—1/0 1/0—6 AR	400—1/0 str. 1/0—6 AR	1/0—8	1/0 str.—8 sol.	.741	.368	.398	.128	5/16	2 15/32	2	1 3/4	3/8
PAA12	PAA129	4/0—2	4/0 str.—2 sol.	4/0—2	4/0 str.—2 sol.	.563	.258	.563	.258	3/4	2 1/4	2	2	1/2
PAA400*	PAA4009*	336.4—1/0 1/0—6 AR	400—1/0 str. 1/0—6 AR	336.4—1/0	400—1/0 str.	.741	.368	.741	.368	3/4	3 1/4	3 3/4	2 1/2	1/2

* PAA 400 and 4009 are two bolt clamps.

AR = Over armor rod

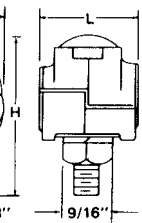
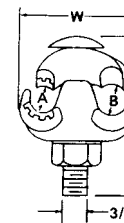
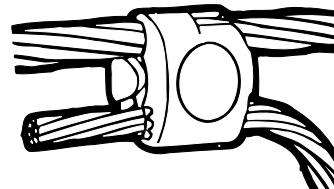
‡ RUS Listed.

Mechanical Connectors

- Aluminum body cast around pronged copper liner effectively seals out moisture
- Corrosion resistant; copper conductor is in contact with copper aluminum conductor surrounded by aluminum; clamp provides wide physical separation of conductors reducing possibility of galvanic corrosion; aluminum bodies are pressure cast of corrosion resistant alloy; steel bolt and lockwasher are galvanized, and the nut is nickel plated
- One piece construction; no loose parts to assemble during installation; copper inserts always face each other; carriage bolts furnished standard
- For hex head bolt add suffix 3



TYPE PAC

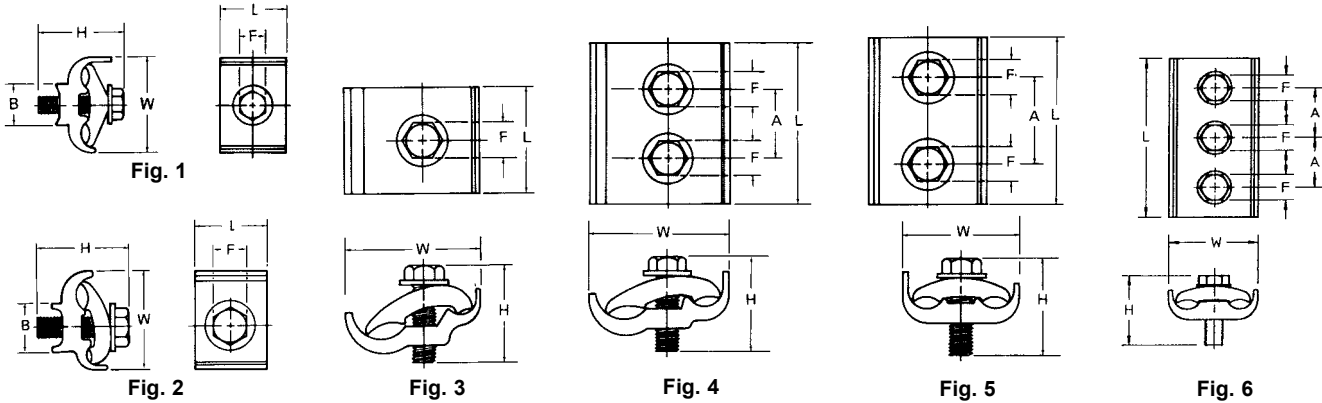
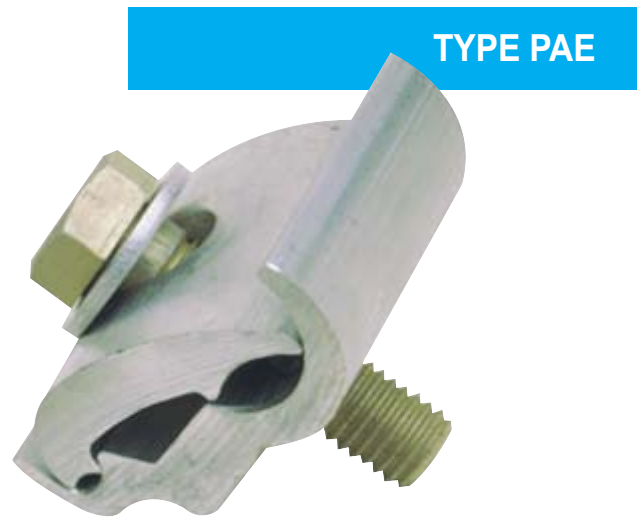


TYPE PAC – ALUMINUM PARALLEL GROOVE CLAMPS WITH COPPER LINER

Cat. No.		Conductor Range			Conductor Diameter		Dimensions (in.)		
		Main	AL	Tap Copper	Main	Tap	H	W	L
Standard	Prefilled	ACSR	AL	Tap Copper	max.	min.			
PAC345*	PAC3459	1/0—8	1/0 str.—8 sol.	1/0 str.—8 sol.	.398-.128	.373-.128	2 7/32	1 7/32	1 1/4
PAC7‡	PAC79	336.4—1/0 1/0—6 AR	400—2/0 str. 1/0—6 AR	1/0 str.—8 sol.	.741-.398	.373-.128	2 15/32	1 5/8	1 7/8

‡ RUS Listed.

- Extruded parallel groove clamps for use on aluminum to aluminum or aluminum to copper connections with oxide inhibitor
 - Tin plating (-P) or wax dip (-6) must be specified for non-oxide inhibitor filled connectors
 - Standard PAE clamp is supplied with contax (-9) and galvanized steel hardware
 - All connectors can be installed with live line tools
 - Options:
 - 7 Aluminum hardware
 - P Tin plating
 - 6 Wax dip for oxide protection
- Example: Cat. Number for PAE 2121 with Contax and aluminum hardware is PAE-2121-79

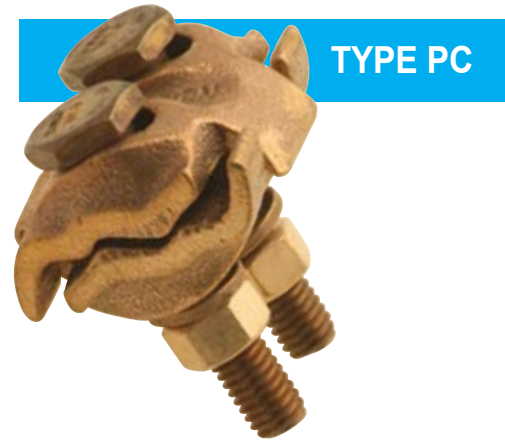


TYPE PAE – PARALLEL GROOVE CLAMPS, EXTRUDED TYPE

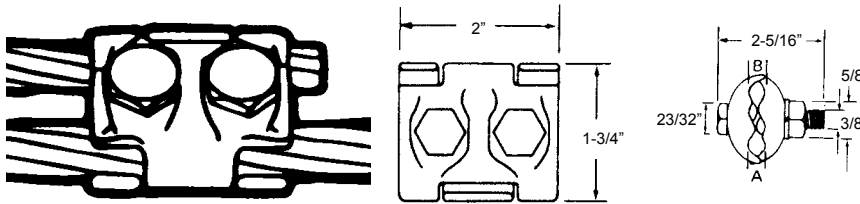
Cat. No.	Conductor Range		Conductor Diameter (in.)				Fig.	Dimensions (in.)						Galvanized Steel Bolt Thd. Size.	Aluminum Bolt Thd. Size
	Main	Tap	Main		Tap			H	W	L	F	B	A		
			max.	min.	max.	min.									
PAE-335-79	1/0 str.—6 sol.	1/0 str.—6 sol.	.398	.162	.398	.162	1	1 ¹ / ₁₆	1 ¹ / ₂	1 ¹ / ₄	⁹ / ₁₆	—	—	³ / ₈ —16 UNC	³ / ₈ —16 UNC
PAE-2121-9*	2/0 ACSR—6 sol. 6 AR	2/0 ACSR—6 sol. 6 AR	.447	.162	.447	.162	1	2	1 ¹ / ₈	1 ³ / ₈	⁹ / ₁₆	⁷ / ₈	—	³ / ₈ —16 UNC	³ / ₈ —16 UNC
PAE-2121X-79	2/0 ACSR—6 sol. 6 AR	2/0 ACSR—6 sol. 6 AR	.447	.162	.447	.162	1	2	1 ¹ / ₈	1 ¹ / ₈	⁹ / ₁₆	⁷ / ₈	—	—	³ / ₈ —16 UNC
PAE-4141-9*	4/0 ACSR—2 sol. 4-6 AR	4/0 ACSR—2 sol. 4-6 AR	.563	.258	.563	.258	1	2	2	1 ³ / ₈	⁹ / ₁₆	⁷ / ₈	—	³ / ₈ —16 UNC	³ / ₈ —16 UNC
PAE-3921-9-2	397.5 ACSR—3/0 str. 2/0—6 AR	2/0 str.—6 sol. 6 AR	.743	.464	.414	.162	2	2 ⁵ / ₁₆	2 ¹ / ₄	1 ¹ / ₈	³ / ₄	1 ¹ / ₈	—	¹ / ₂ —13 UNC	¹ / ₂ —13 UNC
PAE-9941-9	1000 KCMIL—397.5 ACSR 336.4—2/0 AR	4/0 ACSR—2 sol. 4-6 AR	1.152	.743	.563	.258	3	2 ¹³ / ₁₆	2 ⁵⁹ / ₆₄	2 ¹ / ₄	³ / ₄	—	—	¹ / ₂ —13 UNC	¹ / ₂ —13 UNC
PAE-3931-9-2	397.5 ACSR—3/0 str. 2/0—6 AR	3/0 ACSR—2 str. 6 AR	.743	.464	.502	.292	4	2 ⁵ / ₁₆	2 ⁵ / ₁₆	3 ³ / ₈	³ / ₄	—	1 ³ / ₄	¹ / ₂ —13 UNC	¹ / ₂ —13 UNC
PAE-3939-9-2	397.5 ACSR—3/0 str. 2/0—6 AR	397.5 ACSR—3/0 str. 2/0—6 AR	.743	.464	.743	.464	5	2 ⁵ / ₁₆	2 ⁵ / ₁₆	3 ³ / ₈	³ / ₄	—	1 ⁷ / ₈	¹ / ₂ —13 UNC	⁵ / ₈ —11 UNC
PAE-9921-9	1000 KCMIL—397.5 ACSR 336.4—2/0 AR	2/0 str.—6 sol. 6 AR	1.152	.743	.414	.162	3	2 ¹³ / ₁₆	2 ³ / ₁₆	2 ¹ / ₄	³ / ₄	—	—	¹ / ₂ —13 UNC	⁵ / ₈ —11 UNC
PAE-9939-9	1000 KCMIL—397.5 ACSR 336.4—2/0 AR	397.5 ACSR—3/0 str. 2/0—6 AR	1.152	.743	.743	.464	4	2 ⁵ / ₁₆	3 ⁷ / ₆₄	3 ¹ / ₂	³ / ₄	—	1 ¹ / ₂	¹ / ₂ —13 UNC	⁵ / ₈ —11 UNC
PAE-9999-9	1000 KCMIL—397.5 ACSR 336.4—2/ AR	1000 KCMIL—397.5 ACSR 336.4—2/0 AR	1.152	.743	1.152	.743	6	2 ⁵ / ₁₆	3 ¹ / ₂	6	³ / ₄	—	2	¹ / ₂ —13 UNC	⁵ / ₈ —11 UNC

* RUS Listed.

- A copper alloy parallel groove clamp; hex head bolts with square shank of silicon bronze, spring washers also of silicon bronze
- Square shank bolts prevent turning while tightening
- Contour of casting permits use of socket wrench if desired
- Large contact area increases conductance
- No special tools required
- Not recommended for aluminum conductor



TYPE PC



TYPE PC – TWO-BOLT PARALLEL GROOVE CLAMP

Cat. No.	Conductor Range AWG or KCMIL				Conductor Diameter (in.)			
	Main		Tap		A		B	
	max.	min.	max.	min.	max.	min.	max.	min.
PC250	250 str.	4 sol.	250 str.	4 sol.	.575	.204	.575	.204

- Cast of high strength copper alloy
- Furnished with silicon bronze hex washer head bolt
- Parallel groove design; no need to remove bolt for installation
- Only one size for all requirements from No. 8 solid copper to 1/0 ACSR or 2/0 copper
- Available plated, unplated or with plating in one groove

TYPE K – JUMPER CLAMPS

Cat. No.	Plated Groove		Copper Groove	
	Max.	Min.	Max.	Min.
K1	1/0 ACSR 2 SCG amerductor 7/16 galv. strand	6 ACSR 12SCG amerductor 8 solid iron	2/0 str. copper 7/16 Copperweld* 2A Copperweld*	8 solid copper 9-12D Copperweld* etc.

Plated with plating removed from one groove. For use with aluminum, amerductor, or galvanized steel strand to copper or copper bonded steel wires.

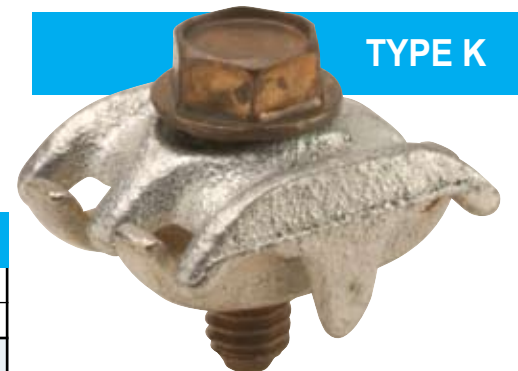
Cat. No.	Both Grooves Plated	
	Max.	Min.
K2	1/0 ACSR 2 SCG amerductor 7/16 galvanized steel strand	6 ACSR 12 SCG amerductor 8 solid iron

Clamp is plated. For use with amerductor, aluminum, or galvanized steel stranding.

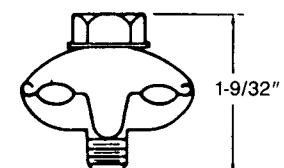
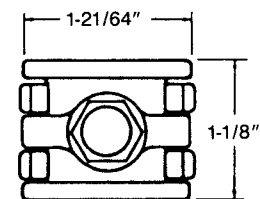
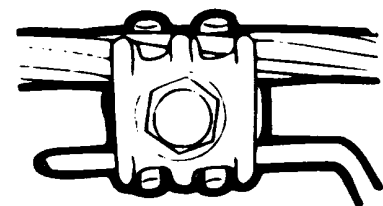
Cat. No.	Both Grooves Unplated	
	Max.	Min.
K3	2/0 str. copper 7/16 copperweld* 2A copperweld*	8 solid copper 9 1/2 D copperweld* etc.

Clamp is not plated. For copper to copper connections.

* Trademark of Copperweld.



TYPE K



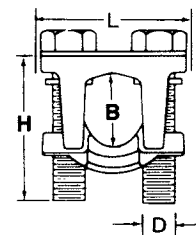
- Castings and bolts of high-strength copper alloy
- Cap is removable; neoprene washers capture each bolt in bottom casting, aiding installation
- U.L. 486A Listed for copper conductor only



TYPE 2B

TYPE 2B – TWO-BOLT CONNECTOR WITHOUT SPACER

Cat. No.	Conductor Range (AWG or KCMIL)				Conductor Diameter (B)		Bolt Head	Dimensions (in.)		
	Main		Tap		max.	min.		L	H	D
	max.	min.	max.	min.						
2B10	1/0 str.	2 str.	1/0 str.	10 sol.	.746	.394	1/2	1 5/16	1 3/4	5/16
2B20BB	2/0 str.	2 str.	2/0 str.	8 sol.	.838	.420	1/2	1 5/16	1 3/4	5/16
2B40	4/0 str.	1/0 str.	4/0 str.	6 sol.	1.056	.530	9/16	1 23/32	1 3/4	3/8
2B350	350 KCMIL	4/0 str.	350 KCMIL	4 sol.	1.362	.726	3/4	2 1/8	2	1/2
2B500	500 KCMIL	350 KCMIL	500 KCMIL	4 sol.	1.626	.883	3/4	2 1/4	2 1/2	1/2
2B800	800 KCMIL	600 KCMIL	800 KCMIL	2 sol.	2.062	1.149	3/4	2 1/2	2 1/2	1/2
2B1000	1000 KCMIL	750 KCMIL	1000 KCMIL	2 sol.	2.304	1.255	15/16	2 31/32	2 3/4	5/8



U.L. 486A



Mechanical Connectors

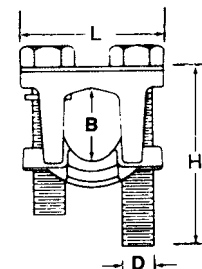
- Castings and bolts of high-strength copper alloy
- One piece construction
- Free bolt is held in place with neoprene washer during installation
- One extra length bolt allows top casting to swing free over two conductors of maximum range
- U.L. 486A Listed for copper conductor only



TYPE 2BX

TYPE 2BX – ONE-PIECE TWO-BOLT CONNECTOR WITHOUT SPACER

Cat. No.	Conductor Range (AWG or KCMIL)				Conductor Diameter (B)		Bolt Head	Dimensions (in.)		
	Main		Tap		max.	min.		L	H	D
	max.	min.	max.	min.						
2B10X	1/0 str.	2 str.	1/0 str.	10 sol.	.746	.394	1/2	1 5/16	1 1/2	5/16
2B20X	2/0 str.	2 str.	2/0 str.	8 sol.	.838	.420	1/2	1 5/16	1 1/2	5/16
2B40X	4/0 str.	1/0 str.	4/0 str.	6 sol.	1.056	.530	9/16	1 23/32	1 7/8	3/8
2B350X	350 KCMIL	4/0 str.	350 KCMIL	4 sol.	1.362	.726	3/4	2 1/8	2 1/4	1/2
2B500X	500 KCMIL	350 KCMIL	500 KCMIL	4 sol.	1.626	.883	3/4	2 1/4	2 1/2	1/2
2B800X	800 KCMIL	600 KCMIL	800 KCMIL	2 sol.	2.062	1.149	3/4	2 1/2	2 3/4	1/2
2B1000X	1000 KCMIL	750 KCMIL	1000 KCMIL	2 sol.	2.304	1.255	15/16	2 31/32	3 1/4	5/8



U.L. 486A



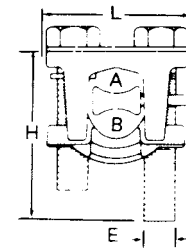
- U.L. 486A Listed for copper conductor only
- For use on copper conductors only
- Castings and bolts of high-strength copper alloy; spacer of ductile, high-conductivity copper alloy
- One-piece construction; contoured spacer is ringed and swings easily over the conductor



TYPE 2BW

TYPE 2BW – ONE PIECE TWO-BOLT CONNECTOR WITH SPACER

Cat. No.	Conductor Range (AWG or KCMIL)				Conductor Diameter				Bolt Head	Dimensions		
	Main		Tap		A		B			L	H	E
	max.	min.	max.	min.	max.	min.	max.	min.				
2B10W	1/0 str.	2 str.	1/0 str.	10 sol.	.373	.292	.373	.102	1/2	1 5/16	1 5/8	5/16
2B20W	2/0 str.	2 str.	2/0 str.	8 sol.	.419	.292	.419	.128	1/2	1 5/16	1 5/8	5/16
2B40W	4/0 str.	1/0 str.	4/0 str.	6 sol.	.528	.368	.528	.162	9/16	1 23/32	2 1/8	3/8
2B350W	350 KCMIL	4/0 str.	350 KCMIL	4 sol.	.681	.522	.681	.204	3/4	2 1/8	2 1/2	1/2
2B500W	500 KCMIL	350 KCMIL	500 KCMIL	4 sol.	.813	.679	.813	.204	3/4	2 1/4	2 3/4	1/2
2B800W	800 KCMIL	600 KCMIL	800 KCMIL	2 sol.	1.031	.891	1.031	.258	3/4	2 1/2	3 1/4	1/2
2B1000W	1000 KCMIL	750 KCMIL	1000 KCMIL	2 sol.	1.152	.997	1.152	.258	15/16	2 31/32	3 3/4	5/8



Mechanical Connectors

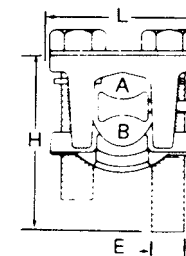
- U.L. 486A Listed for copper conductor only
- For use on copper, aluminum and ACSR conductors
- Tin Plated



TYPE 2BPW

TYPE 2BPW – ONE PIECE TWO-BOLT CONNECTOR WITH SPACER

Cat. No.	Conductor Range (AWG or KCMIL)				Conductor Dia.				Bolt Head	Dimensions		
	Main		Tap		A		B			L	H	E
	max.	min.	max.	min.	max.	min.	max.	min.				
2B10PW	1/0-2	1/0-6	1/0 str.	10 sol.	0.398	0.292	0.398	0.102	1/2	1 5/16	1 5/8	1/16
2B20PW	2/0-2	2/0-6	2/0 str.	8 sol.	0.447	0.292	0.447	0.128	1/2	1 5/16	1 5/8	5/16
2B40PW	4/0-1/0	4/0-6	4/0 str.	6 sol.	0.563	0.368	0.563	0.162	9/16	1 23/32	2 1/8	3/8
2B350PW	350-4/0	350-4	350	4 sol.	0.680	0.522	0.680	0.204	3/4	2 1/8	2 1/2	1/2
2B500PW	500 KCMIL	350 KCMIL	500	4 sol.	0.813	0.679	0.813	0.204	3/4	2 1/4	2 3/4	1/2
2B800PW	800 KCMIL	600 KCMIL	800	2 sol.	1.031	0.891	1.031	0.258	3/4	2 1/2	3 1/4	1/2
2B1000PW	1000 KCMIL	750 KCMIL	1000	2 sol.	1.162	0.997	1.162	0.258	15/16	2 31/32	3 3/4	5/8



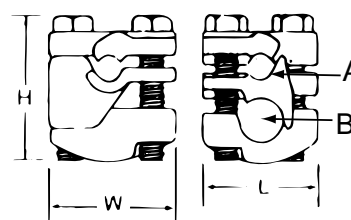
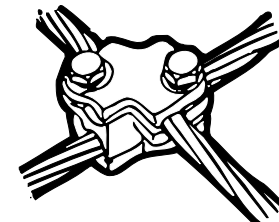
CONNECTORS

Cross Tap Clamps / Dead-End Clamp

- A multi-purpose connector; castings of copper alloy; bolts of silicon bronze
- Design allows for free wrench rotation which speeds installation
- For tin-plated style add suffix P to Cat. Number – e.g. XT12P



TYPE XT



TYPE XT – CLAMP FOR TEE TAP, CROSS, PARALLEL & END-TO-END CONNECTORS

Cat. No.	Conductor Range (AWG or KCMIL)				Conductor Diameter				Dim. (in.)			Bolt Size
	Main		Tap		A		B		L	H	W	
	max.	min.	max.	min.	max.	min.	max.	min.				
XT12	4/0 str.	1 str.	2 str.	6 sol.	.528	.328	.292	.162	1½	1¼	1½	5/16
XT13	4/0 str.	1 str.	4/0 str.	1 str.	.528	.328	.528	.328	1¾	2	1¾	3/8
XT21	500 KCMIL	250 KCMIL	2 str.	6 sol.	.813	.574	.292	.162	2¼	2¾	1½	3/8
XT22	500 KCMIL	250 KCMIL	4/0 str.	1 str.	.813	.574	.528	.328	2½	2¾	2½	3/8
XT23*	500 KCMIL	250 KCMIL	500 KCMIL	250 KCMIL	.813	.574	.813	.574	2½	2¾	2½	3/8
XT33*	1000 KCMIL	500 KCMIL	500 KCMIL	250 KCMIL	1.152	.811	.813	.574	2¼	3	2½	3/8
XT34*	1000 KCMIL	500 KCMIL	1000 KCMIL	500 KCMIL	1.152	.811	1.152	.811	2¼	3	2½	7/16

* 4 bolt clamps

- Top and bottom pressure pads cast of high strength, heat treated, aluminum silicon alloy
- Extra long separating spacer of highly conductive aluminum; spacer interlocks with U bolt – will not drop out
- Spring action counteracts cold flow
- No special tools required for installation
- Suitable for deadend loop connections
- Hardware of high-strength galvanized steel
- For use on copper, aluminum and ACSR conductors
- Order pre-filled with oxide inhibitor (suffix 9) for use on aluminum to copper

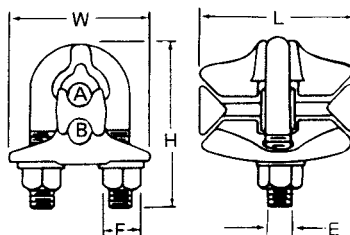


TYPE DLC

TYPE DLC – SINGLE U BOLT ALUMINUM FITTINGS

Cat. No.	Conductor Range				Conductor Diameter				Dimensions (in.)				
	ACSR		AWG or KCMIL		A		B		W	L	H	F	E
	Main	Tap	Main	Tap	max.	min.	max.	min.					
DLC2106†	2/0—6	2/0—6	2/0 str.—6 sol.	2/0 str.—6 sol.	.447	.162	.447	.162	1⅞	1½	3¼	9/16	3/8
DLC23†	4/0—1 2—6 AR	4/0—1/0	266.8—1/0 str.	266.8—1/0 str.	.563	.368	.609	.368	2¾	2⅞	4	3/4	1/2
DLC25	336.4—1/0 1/0—6 AR	336.4—1/0 1/0—6 AR	397.5—1/0 str.	397.5—1/0 str.	.684	.368	.743	.368	2¾	3⅞	4	3/4	1/2

† RUS listed

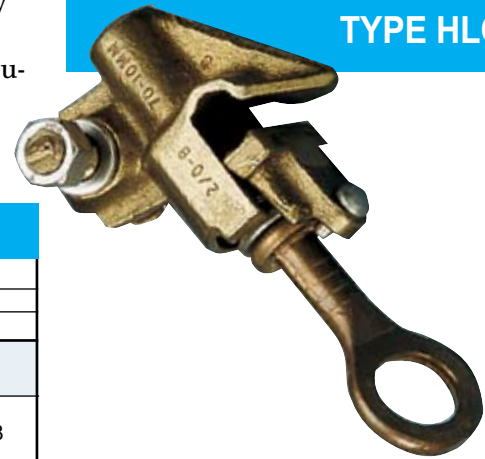


- Eye-bolt coated with high temperature grease, assuring easy turning in all weather conditions
- Available prefilled with oxide-inhibiting Contax and individually packaged; add suffix 9 to Cat. Number
- HLC2108 Series is for 2/0 – 8 main line conductor
- HLC3974 Series is for 400 KCMIL – 6 main line conductor

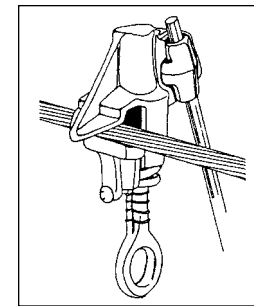
TYPE HLC – HOT LINE CLAMPS (PROTECTED THREAD)

Cat. No.	For Wire Combination	Conductor Range			
		Main		Tap	
		ACSR	AWG or KCMIL	ACSR	AWG
Bronze Body HLC2108†	Copper to Copper	—	2/0—8	—	2/0
Plated Bronze Body HLC2108P	General Purpose	2/0—6	2/0—8	2/0—6	2/0—8
Plated Aluminum Body HLC2108AP9	General Purpose	2/0—6	2/0—8	2/0—6	2/0—8
Bronze Body HLC3974	Copper to Copper	—	400—6 sol.	—	4/0—6 sol.
Plated Bronze Body HLC3974P	General Purpose	—	400—6 sol.	3/0—6	4/0—6 sol.
Plated Aluminum Body HLC3974AP	General Purpose	397.5—6	400—6 sol.	3/0—6	4/0—6 sol.

† RUS Listed.



TYPE HLC



- Incorporates the superior design features of parallel groove clamps, time-proven for their reliable performance
- Protected threads; wide temperature range lubricant prevents seizing
- Tap wire positively secured to clamp during installation and removal by hex head bolt and pressure pad; main and tap clamped securely as clamp is tightened
- Available prefilled with Contax, add suffix 9
- Copper clamps are for use on copper conductors only

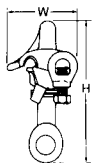


Fig. 1

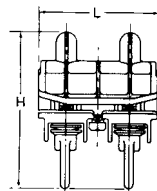


Fig. 2

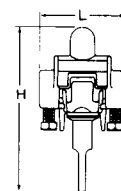


Fig. 3



TYPE PGH

TYPE PGH – CENTER BOLT PARALLEL GROOVE HOT TAP CLAMPS

Cat. No.	Pre-filled	Conductor Range				Conductor Diameter				Center Bolts No. Dia.	Fig.	Dimensions (in.)			
		Main		Tap		Main		Tap				W	H	L	
		ACSR	AWG	ACSR	AWG	max.	min.	max.	min.						
Aluminum Clamps															
PGH29		2/0—8	2/0 str.—8 sol.	1/0—8	1/0 str.—8 sol.	.447	.128	.398	.128	1	1/2	1	2 3/8	5 3/4	2 3/8
PGH4	PGH49	397.5—6 2/0—6 AR	450—4 sol.	3/0—6	4/0 str.—6 sol.	.781	.198	.528	.162	1	1/2	1	3 5/16	6 5/16	2 7/16
	PGH69	874—4/0 397.5 18/1—2 AR	1000—4/0 str.	266—6	300—6 sol.	1.152	.522	.657	.162	2	1/2	2	4	6 3/4	4 1/4
	PGH6129*	874—4/0 397.5 18/1—2 AR	1000—4/0 str.	266—6	300—6 sol.	1.152	.522	.657	.162	1	1/2	3	3 5/8	6 3/4	3 1/16
Copper Clamps															
PGH3	PGH39	—	2/0 str.—8 sol.	—	2/0 str.—8 sol.	.419	.419	.128	.128	1	7/16	1	2 3/8	5 1/4	1 1/4

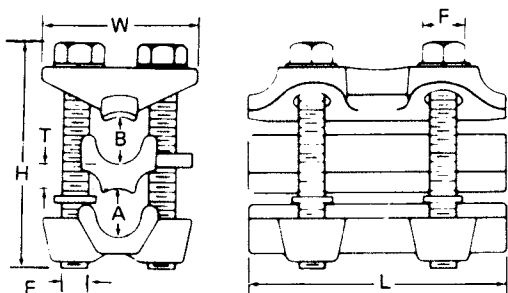
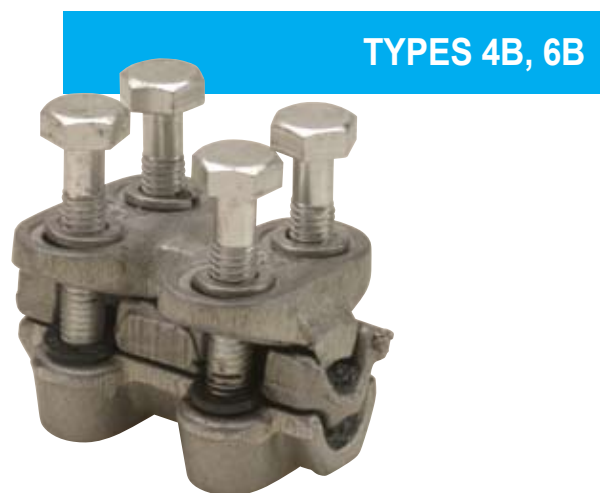
* PGH6129 has two hex head bolt and pressure pad tap conductor retainers.

AR—with Armor Rod.

CONNECTORS

Multi-Bolt Connectors

- Cap and pressure plate of cast aluminum alloy; spacer of high conductivity aluminum
- High strength aluminum alloy bolts and lock washers prevent seizing
- One piece construction eliminates loose parts during installation
- For use on copper, aluminum and ACSR conductors
- Factory filled with Contax oxide inhibitor



TYPES 4B, 6B – ONE PIECE MULTI-BOLT CONNECTORS

Cat. No.	Conductor Range				Conductor Diameter				Dimensions (in.)						No. of Bolts
	ACSR		AWG or KCMIL		A		B		W	F	H	T	L	E	
	Main	Tap	Main	Tap	max.	min.	max.	min.							
4B29	4/0—4	4/0—4	250—2 str.	250—2 sol.	.575	.250	.575	.250	2 ⁵ / ₁₆	5/8	3 ⁹ / ₁₆	1 ¹ / ₃₂	3 ¹ / ₄	7/16	4
4B49	397.5—1/0	397.5—1/0	477—1/0 str.	477—1/0 str.	.795	.368	.795	.368	2 ³ / ₄	3/4	4 ⁵ / ₁₆	1 ³ / ₃₂	4 ³ / ₄	1/2	4
6B89	795—300	795—300	800—350	800—336.4	1.108	.679	1.108	.679	3 ¹ / ₂	1 ⁵ / ₁₆	5 ⁹ / ₆₄	7/16	6 ³ / ₄	5/8	6



Type JAB, G,
GG, GGH
Ground Rod Clamps
Pages 50, 51



Type DGC
Drive-on Ground
Clamps
Page 51



Type C
Sectional Ground
Rod Couplings
Page 52



Type DS
Driving Stud
Page 52



Threadless
Couplings and
Driving Caps
Page 52



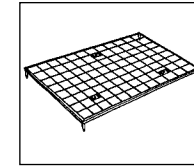
Ground Plates
Page 53



Type K
Parallel Connector
Page 54



Type TTC
Transformer Tank
Grounding
Connector
Page 54



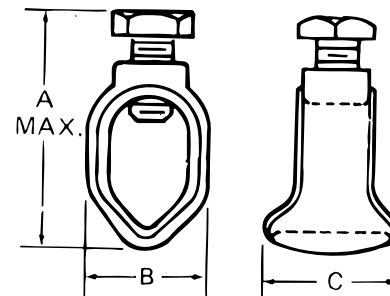
Metallic Gradient
Control Mat
Page 54

CONNECTORS

Ground Rod Clamps and Accessories

- Cast of high strength corrosion resistant copper alloy
- Both hex head and socket set screws available
- Long bearing surface of clamp on ground wire secures ground connection
- U.L. Listed for direct burial

TYPE JAB



TYPE JABH

TYPE JAB – GROUND ROD CLAMPS

Cat. No.	Socket Set Screw	Hex Head Bolt	Nominal Rod Dia.		Wire Range				Dimensions (in.)					
									A (max.) Socket Screw	A (max.) Hex Bolt	Screw Thread Size UNC-2A	B	C	D
JAB12*	JAB12H	1/2	12.7	2 str.	10 sol.	33.6	5.2	1 19/32	2 3/32	7/16-14	27/32	7/8	19/32	
JAB58	JAB58H	5/8	15.8	1/0 str.	8 sol.	53.4	8.3	1 27/32	2 13/64	7/16-14	29/32	1	1 11/16	
JAB34	JAB34H	3/4	19.0	1/0 str.	8 sol.	53.4	8.3	2	2 11/32	7/16-14	1 1/16	1	5 5/64	
—	JAB34C	3/4 + 5/8 to 19.0	15.8	1/0 str.	8 sol.	95.0	8.3	—	2 11/32	7/16-14	1 1/8	1 1/32	1 3/16	
JAB1	JAB1H	1	25.0	4/0 str.	8 sol.	107.1	8.3	2 1/4	3	7/16-14	1 11/32	1 1/16	1	

* Not CSA listed

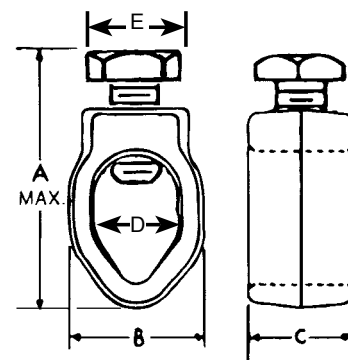
Add suffix P to Cat. No. for tin plated clamp.



Grounding Connectors and Accessories

- A dependable ground connection offered at a substantial saving
- Cast of high strength corrosion-resistant copper alloy
- Hex head bolts
- Simplified compact design will make a lasting, trouble-free connection
- U.L. Listed for direct burial

TYPE G



TYPE G – BUDGET LINE GROUND CLAMPS

Cat. No.	Nominal Rod Dia.		Wire Range				Dimensions (in.)					
							A min. Bolt	Screw Thread (max.) UNC-2A	Size B	C	D	E
G3*	3/8	9.5	4 str.	10 sol.	21.1	5.2	1 3/8	5/16-18	1 1/16	1/2	27/64	3/8
G4	1/2	12.7	2 str.	10 sol.	33.6	5.2	—	3/8-16	27/32	3/8	37/64	1/2
G5†	5/8	15.8	2 str.	10 sol.	33.6	5.2	—	3/8-16	29/32	3/8	43/64	1/2
G6	3/4	19.0	2 str.	10 sol.	33.6	5.2	—	3/8-16	1 1/16	3/8	1 3/16	1/2

* Not U.L. Listed

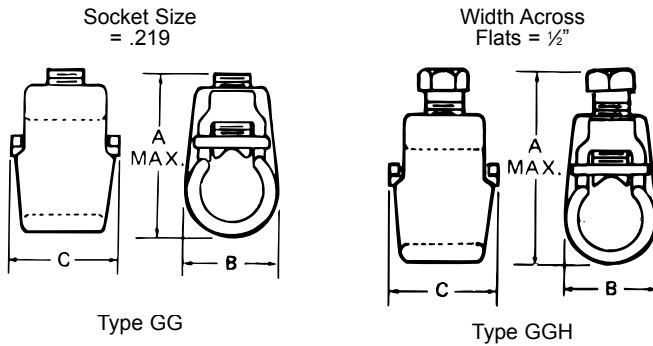
† RUS Listed

Add suffix P to Cat. No. for tin plated clamp.



- Cast of high strength corrosion-resistant copper alloy; two types of screws available; type GG has a socket set screw; type GGH has a hex head bolt
- Floating pressure bar distributes pressure evenly over a large area of the ground wire
- Axial groove keeps wire and rod in perfect alignment

TYPES GG AND GGH



TYPE GG AND GGH – HEAVY DUTY GROUND ROD CLAMPS

Cat. No.*		Nominal Rod Dia.		Wire Range				Dimensions (in.)				
Socket Set Screw	Hex Head Bolt	(in.)	(mm)	max.	min.	max. (mm ²)	min. (mm ²)	A (max.) Socket Screw	A (max.) Hex Bolt	Screw Thread Size UNC-2A	B	C
								1 ¹³ / ₆₄	1 ¹³ / ₁₆	7/ ₁₆ -14	2 ⁷ / ₃₂	2 ⁷ / ₃₂	7/_{16}-14	6^{1}/_{64}	1^{5}/_{16}
GG12	GG12H	1/2	12.7	2 str.	8 sol.	33.6	8.3	1 ¹³ / ₆₄	1 ¹³ / ₁₆	7/ ₁₆ -14	2 ⁷ / ₃₂	1 ⁵ / ₁₆
GG58	GG58H	5/8	15.8	2 str.	8 sol.	53.6	8.3	1 ⁵ / ₆₄	2 ⁷ / ₃₂	7/ ₁₆ -14	6 ¹ / ₆₄	1 ⁵ / ₁₆
—	GG34H	3/4	19.0	4/0 str.	8 sol.	120.6	8.3	—	3	1/2-14	1 ³ / ₈	1 ¹ / ₄

* Add suffix P to catalog number for tin plated clamp. GG34H has no pressure bar or axial groove.



- Drive-on design provides easy tool free installation, high reliability compression fit connection, and room for one or two ground leads
- High strength copper alloy provides increased tensile strength and long term corrosion resistance for direct burial applications
- U.L. 486A and U.L. 467 Listed
- RUS Listed

TYPE DGC



TYPE DGC – DRIVE-ON GROUND CLAMPS

Cat. No.	Ground Rod Size	Ground Wire Size
DGC58-44 [‡]	5/8 (.555-.565)	1 or 2-#4 sol.
DGC58-66 [‡]	5/8 (.555-.565)	1 or 2-#6 sol.
DGC58-46	5/8 (.555-.565)	1-#4 sol. 1-#6 sol.

[‡]RUS Listed



Grounding Connectors and Accessories

- Threaded couplings are of high strength, corrosion-resistant alloy; streamlined design reduces driving friction; couplings are tapped so that they may be used on all standard threaded sectional rods



TYPE C

TYPE C – SECTIONAL GROUND ROD COUPLINGS

Cat. No.	Size (Nominal Diameter)	Thread Size
50C	1/2"	1/2"-13 UNS
50LC*†	1/2" L	3/8"-12 UNS
60C**	5/8"	5/8"-11 UNS
70C*	3/4"	3/4"-10 UNS
80C*	1"	1"-8 UNS

*U.L. Listed 467 (425H).

† CSA lists rods 1/2" and larger, 10' and longer.

** RUS Listed.



- Driving Studs of high strength steel may be used with all standard threaded couplings



TYPE DS

TYPE DS – DRIVING STUDS

Cat. No.	Size (Nominal Diameter)	Thread Size
50DS	1/2"	1/2"-13 UNS
50LDS*†	1/2" L	3/8"-12 UNS
60DS**	5/8"	5/8"-11 UNS
70DS*	3/4"	3/4"-10 UNS
80DS*	1"	1"-8 UNS

*U.L. Listed 467 (425H).

† CSA lists rods 1/2" and larger, 10' and longer.

** REA Listed.



Threadless Coupling (Fig. 1)

- For joining non-threaded, sectional, copper bonded, steel ground rods
- Coupling is manufactured of a high strength, corrosion resistant, copper alloy



THREADLESS COUPLINGS

Threadless Driving Cap (Fig. 2)

- Prevents “mushrooming” of ground rod while driving to insure proper fit of coupling
- Driving cap is manufactured of high strength, hardened steel

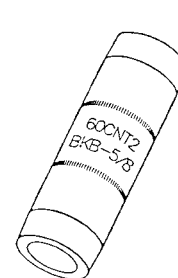


Fig. 1

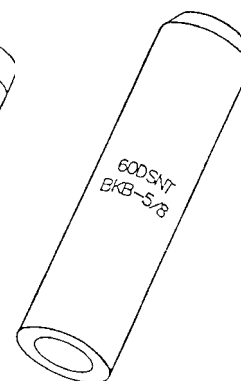


Fig. 2

THREADLESS COUPLINGS AND DRIVING CAP

Cat. No.	Description	Dimensions (in.)	
		Length	Diameter
50LCNT*	1/2" L Threadless Coupling	3.0	.78
60CNT2*	5/8" Threadless Coupling	2.5	.69
70CNT*	3/4" Threadless Coupling	3.0	.97
60DSNT	5/8" Threadless Driving Cap	4.0	.88

*U.L. Listed.



- 1/4" thick, hot-dipped galvanized
- Can be as efficient as two ground rods
- Must be buried at least 600mm (24") below finish grade level according to CEC Rule 10-702

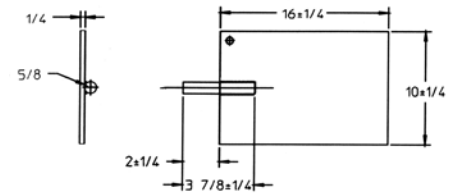
GALVANIZED GROUND PLATES

Cat. No.	Description	Conductor Range
1016TB	Galvanized ground plates	8 sol. to 1/0 str.
1016BTB	Galvanized ground plates with JAB58H connector	8 sol. to 1/0 str.

‡RUS Listed.



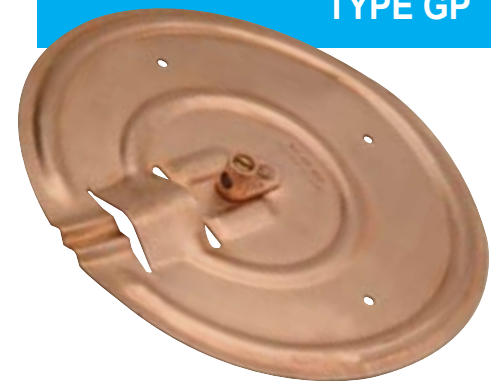
GALVANIZED GROUND PLATES



- More efficient than butt wrapping poles
- Made of electrolytic sheet copper
- Built-in high pressure connector for ground lead, or supplied with #6 AWG copper pigtail pre-attached
- Plates are grooved for trapping moisture

TYPE GP – COPPER POLE BOTTOM GROUND PLATES FOR MULTIGROUNDED NEUTRAL CONSTRUCTION

Cat. No.	Pigtail Wire Range				Diameter of Plate	
	min.	min. max.	max. (mm ²)	(mm ²)	(in.)	(mm)
GP100	8	2 sol.	6.3	25.6	7½	191
GP110					10	254
GP114					14	356
GP1003	#6 AWG solid CU Pigtail with 12" conductor		—	—	7½	191
GP1008	#6 AWG solid CU Pigtail with 96" conductor		—	—	7½	191
GP1108	#6 AWG solid CU Pigtail with 96" conductor		—	—	10	254



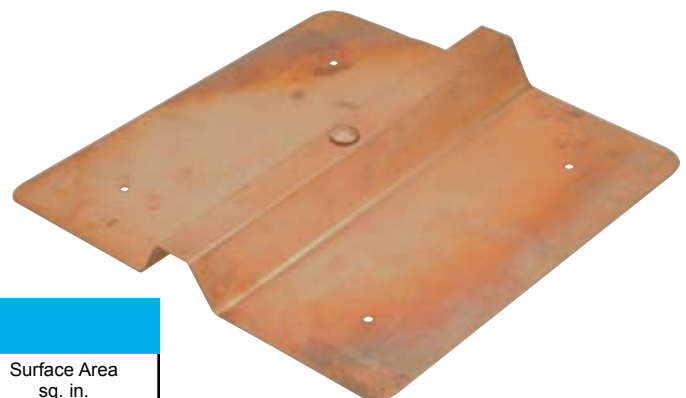
TYPE GP

- Installed on butt end of utility poles to provide an economical, low resistance neutral ground.
- Installed cost considerably less than butt-wrapped poles. Plate portion fabricated of .025" pure copper.
- PBGW connector is eye-bolt type, cast of corrosion resistant aluminum bronze alloy, with silicon bronze nut and lock washer. Riveted all copper terminal lug is an integral part of the PBH, and provides the means of connection to the grounding conductor.

TYPE PB – COPPER POLE GROUND PLATES

Cat. No.	Wire Range		Finished Size	Surface Area sq. in.
	max.	min.		
PBGW	2/0 str.	10 sol.	7 x 7½	56
PBH‡	4 str.	14 sol.	7 x 7½	56

‡RUS Listed.



TYPE PB

Grounding Connectors and Accessories

CONNECTORS

Mechanical Grounding Connectors

- For all combinations of aluminum, copper and steel conductors
- Cast of high strength bronze alloy
- Furnished with silicon bronze bolt and lockwasher – lockwasher minimized loosening of installed clamp
- Parallel groove design; no need to remove bolt for installation
- Only one size for all requirements from No. 8 solid copper to 1/0 ACSR or 2/0 copper

BRONZE JUMPER CLAMPS

Cat. No.	Max. Plated Groove	Min. Plated Groove	Max. Unplated Groove	Min. Unplated Groove
K1	1/0 ACSR 2 SCG amerductor 7/16 galv. strand	6 ACSR 12 SCG amerductor 8 solid iron	2/0 str. copper 7/16 Copperweld* 2A Copperweld*	8 solid copper 9 1/2 D Copperweld* etc.

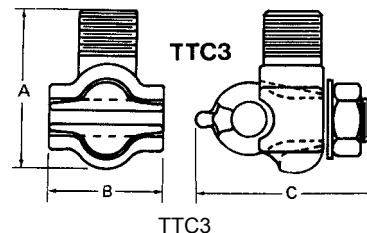
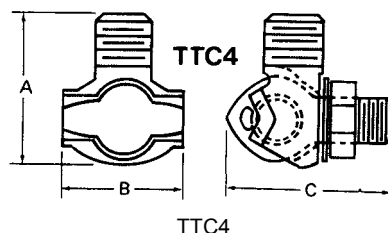
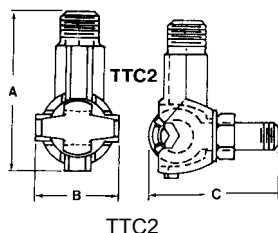
* Trademark of Copperweld Steel Co. Plated with plating removed from one groove. For use with alumum, amerductor, or galvanized steel strand to copper or copper bonded steel wires.

- Transformer Grounding Connectors are cast of high conductivity bronze; 1/2"-13 stud fits all standard EEI-NEMA distribution transformers
- Eye bolt on TTC2 rotates to accommodate cable in either vertical or horizontal direction
- One size connector to handle full range of grounding conductors from #8 through 2/0 str.
- No special tools required

TYPE TTC – TRANSFORMER TANK GROUND CONNECTORS

Cat. No.	Conductor Range				Stud Thread Size	Dimensions (in.)		
	max.	min.	max. (mm ²)	min. (mm ²)		A	B	C
TTC2	2/0 str.	8 sol.	67.4	8.3	1/2"-13	1 5/64	1 1/64	1 2/32
TTC3	1 str.	10 sol.	42.4	5.2	1/2"-13	1 3/8	1 1/64	1 1/16
TTC4†	1 str.	10 sol.	42.4	5.2	1/2"-13	1 1/4	7/8	1 3/8
TTC2P*	2/0 str.	8 sol.	67.4	8.3	1/2"-13	1 5/64	1 1/64	1 2/32
TTC3P*	1 str.	10 sol.	42.4	5.2	1/2"-13	1 3/8	1 1/64	1 1/16
TTC4P*	1 str.	10 sol.	42.4	5.2	1/2"-13	1 1/4	7/8	1 3/8

† RUS Listed.
* Tin Plated.



- To reduce risk and prevent build up of dangerous potential differences between high voltage equipment or structures and the user standing on the ground surface. CEC Rule 36-308

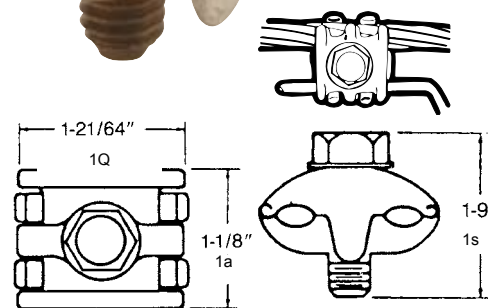
METALLIC GRADIENT CONTROL MAT

Cat. No.	Description	Wt/100		Standard package
		lb	kg	
64663	Mat with connectors	3000	1363	1
64660	Mat without connectors	2900	1318	1

4 ft. x 6 ft. hot dip galvanized mat is made from 6"x6" welded mesh, 1/4" diameter. Silicone bronze connector, bolt, nut and lockwasher.



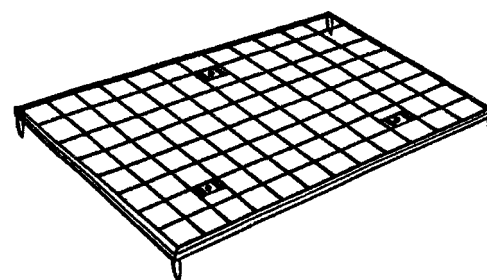
TYPE K



TYPE TTC



TYPE DS





Type GCA
Ground Clamp Adapters
Page 56



Manual
Compression Tools
Page 56



Manual
Hydraulic Tools
Page 57



Battery-Operated
Hydraulic Tools
Page 58-59



Tool Service &
Warranty Information
Page 60



**Tool Die
Selection Chart**
Pages 61-62



Type EC-S8C
Oxide Inhibitor
Page 63



Type WW
Wire Bristle Brush
Page 63

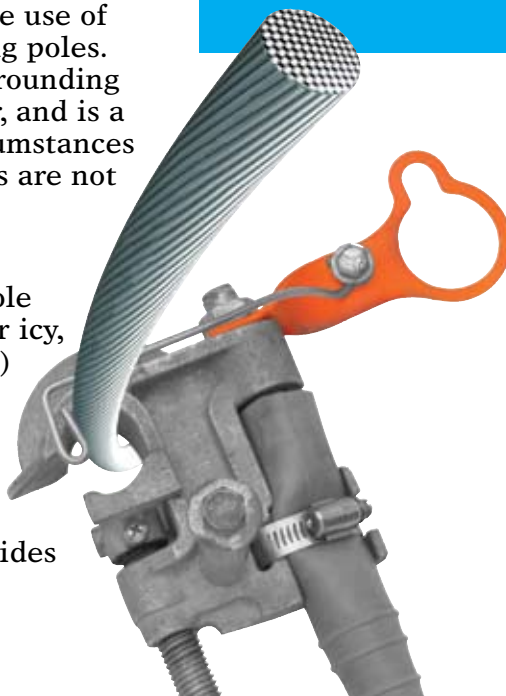


Silicone Lubricant
Page 63

The Ground Clamp Adapter (GCA) allows temporary ground installation without the use of bucket trucks or the need for climbing poles. This new method makes temporary grounding and jumpering safer, easier than ever, and is a useful alternative when unusual circumstances exist for which the other two methods are not possible or feasible.

Features and Benefits:

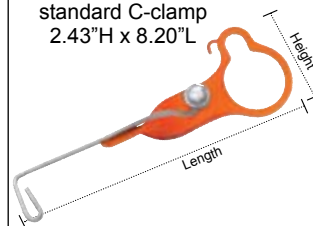
- Eliminates problems with unsafe pole conditions (unstable, leaning, wet or icy, cracked or broken, weathered poles)
- Eliminates pole “cut-outs”
- Eliminates additional equipment associated training requirements
- Decreases installation cost
- Optimizes crew utilization and provides faster system restoration



TYPE GCA

GCA-1

With wire guide for standard C-clamp
2.43”H x 8.20”L



GCA-2

Side mount for duckbill clamp
2.80”H x 4.45”L



GCA-3

Top mount, twisted for duckbill clamp
2.80”H x 4.40”L



TYPE OD – MECHANICAL COMPRESSION TOOLS

Cat. No.	Description	Handle Length (in.)	Weight (lb)
OD58	Mechanical tool with 5/8” nose die and insert die cavity – straight wooden handles	21	6.5
OD581	Mechanical tool with 5/8” nose die and insert die cavity – fiberglass handles		6.0
OD583	Mechanical tool with 5/8” nose die and insert die cavity – curved wooden handles		6.5
ODF	Mechanical tool with fixed O & D dies – straight wooden handles		6.5
ODF1	Mechanical tool with fixed O & D dies – fiberglass handles		6.0
ODF3	Mechanical tool with fixed O & D dies – curved wooden handles		6.5
ODB	Mechanical tool with fixed “O” and “D” dies. “D” die cavity accepts MD6 tool insert dies – straight wooden handles		6.5
ODB1	Mechanical tool with fixed “O” and “D” dies. “D” die cavity accepts MD6 tool insert dies – fiberglass handles		6.0
ODB3	Mechanical tool with fixed “O” and “D” dies. “D” die cavity accepts MD6 tool insert dies – curved wooden handles		6.5
OD58L72	Mechanical tool with 5/8” nose die and insert die cavity – hot stick handles – 1.5” x 72”		72	10.5
ODBL72	Mechanical tool with fixed “O” and “D” dies “D” die cavity accepts MD6 tool insert dies – hotstick handles – 1.5” x 72”	10.5	
ODH1	Insulating head cover		0.40

For Hand Tool with insulated head, add suffix 5 to cat. number; e.g. OD585.

- Patented, integral self-gaging system in tool head assures proper adjustment before each crimp
- Improved design reduces force to crimp by as much as 20%
- Teflon over bronze bearings greatly reduce wear a linkage and pins; far superior to steel bearing surfaces
- All standard insert dies available for OD58 tool: “O” and “D”, 840, etc., 5/8” fixed die in nose
- ODF tool has fixed “O” and “D” dies



TYPE OD

- ODB tool has fixed “O” and “D” dies; accepts standard insert dies designed for MD6 tool
- Distribution of weight over tool length gives better balance, results in easier handling and positioning
- Optional fiberglass handles for greater strength, lighter weight, better insulating properties and lower moisture absorption rate
- OD58, ODF and ODB tools with insulated heads available as option
- Lever action tool with hot stick handles of Glastrux Fiberglass, rated and tested for 100 kv/ft/5 minutes
- Lever action results in minimum force to crimp

- Hand operated hydraulic wire cutter
- Cuts aluminum, copper and ACSR conductors up to 1." Cuts steel strand up to 7/8" including EHS. Cuts ground rods up to 5/8"
- Compact Design – only 15.5" long – Just over 5" wide
- Very short stroke – only 8" – Perfect for confined areas or small enclosures
- Weighs less than 8 lbs.
- 1 inch jaw opening
- Double speed ram action
- Head rotates 180 degrees
- Canvas storage bag included
- Pressure release lever can be used to relieve pressure at any stage of the cutting process

*Not intended for use on fine strand rope wire

TYPE TBM10HC – HYDRAULIC CUTTING TOOL

Catalog No.	Max Cutting O.D. in.	Dimensions		Weight lbs.
		Length	Width	
TBM10HC	up to 1	15.53	5.1	7.7



- For installing compression connectors to copper, aluminum and ACSR conductors
- Tools accept all U-Type dies now used for Alcoa, Burndy, T&B and previous Blackburn tools of equivalent tonnage
- JB12B crimps conductor sizes from #8 – 750 KCMIL copper and #8 – 500 KCMIL aluminum
- Replaceable “Drop-Out” Bypass Valve cartridge resolves chronic problems typical with other pump designs; facilitates easy shop repair
- 180° head rotation
- Fiberglass handles
- Two stage pump for rapid advance

TYPES JB12B – SELF CONTAINED HYDRAULIC COMPRESSION TOOLS

Catalog No.	Description	Weight lbs. (Tool Only)
JB12B	Hand operated 12-ton Tools with Carrying Case	13

Note: Neoprene head cover for hand operated tools available.



Battery-Powered 6-Ton Hydraulic Crimping Tool

- Open head design
- Wire range up to 500mcm
- Lightweight - just 11 pounds with battery
- 14.4 volt 3.0 Ah Ni-MH battery for extra power and speed
- 6 tons of crimping force
- Uses “OD” style Blackburn and Kearney dies and Burndy “W” dies with use of DBL die “D” as an adapter
- Dual-speed ram action for rapid advance to meet connector then slower for a tight crimp
- Head rotates 180 degrees
- Battery condition monitor
- Balanced ergonomically designed handle offers easy operation and reduces carpal tunnel strain
- Includes charger, spare battery, wrist and shoulder strap
- Impact resistant case

TYPE BPLT6BSCR



Battery-Powered 14-Ton Hydraulic Crimping Tool

- Crimps connectors to 750 kcmil Cu and 600 kcmil Al
- Lightweight and balanced for single-handed operation
- 1.65” jaw opening accommodates large compression terminals and joints
- Dual-speed action pump offers fast advancing speed for approach of die to connector and slower, more powerful speed for crimping
- Head rotates 180° for operator convenience and comfort
- Quiet, low-vibration operation
- Automatically displays residual battery capacity after each crimp cycle
- Uses standard Blackburn, T&B and Burndy U-Dies (sold separately)
- Provides 14 tons of crimping force
- Comes with 14.4 Ni-MH battery, spare battery, battery charger, shoulder strap, and carrying case
- 18.1”L x 10”H x 3.9”W, 18.1 lbs. (including battery)

TYPE BPLT14BSCR



Battery-Powered 14-Ton Hydraulic Crimping Tool with Insulated Head

- Fully insulated tool, head, case, oil, and battery safeguard operator from accidental activation of tool
- Crimps connectors to 750 kcmil Cu and 600 kcmil Al
- Lightweight and balanced for single-handed operation
- 1.65" jaw opening accommodates large compression terminals and joints
- Dual-speed action pump offers fast advancing speed for approach of die to connector and slower, more powerful speed for crimping
- Head rotates 180° for operator convenience and comfort
- Quiet, low-vibration operation
- Automatically displays residual battery capacity after each crimp cycle
- Uses standard Blackburn, T&B and Burndy U-Dies (sold separately)
- Provides 14 tons of crimping force
- Comes with 14.4 Ni-MH battery, spare battery, battery charger, shoulder strap, and carrying case
- 18.1"L x 10"H x 3.9"W, 18.1 lbs. (including battery)

TYPE BPLT14BSCRI



Battery-Powered 15-Ton Hydraulic Crimping Tool

- Conductor range up to 1500 Kcmil
- Weighs approximately 23 pounds
- Integrated controls for single hand operation
- Dual-speed ram action for rapid advance to meet connector then slower for a tight crimp
- Head rotates 180 degrees
- Automatic cut off when crimp is complete
- Single-hand trigger operation
- Swing-open head for easy access
- Powered by 14.4v 3.0ah Ni-MH battery pack
- Optional connection point for use with 12VDC power source
- Battery condition display
- Steel case for easy transport and storage
- Includes charger, spare battery and shoulder strap
- Accepts standard Burndy P Dies (no adapter needed)
- Will also accept Blackburn, T&B and Burndy U-Dies with the use of a DA15-U die adapter (sold separately)
- Accessories:
BCA12V cable for use with 12 VDC battery

BPLT15BSCR-B



DA15-U



THOMAS & BETTS TOOL SERVICE

5 YEARS

- MECHANICAL HAND TOOLS
(without Shure Stake® Mechanism)
- HYDRAULIC TOOLS
(self-contained)



2 YEARS

- BATTERY-OPERATED TOOLS



1 YEAR

- CABLE CUTTERS, DIES



Thomas & Betts Tool Service has a staff of highly trained, experienced and dedicated technicians and application specialists to support our customers in every aspect of their tooling needs.

The Tool Service Department is capable of repairing all Thomas & Betts tools, from small tools to large hydraulic pumps and crimping heads. The department is also responsible for warranty repairs and will supply a loaner tool when necessary.

For customers capable of repairing their own tools, Tool Service also sells the component parts. In addition, they can provide the technical data and information required.

The Application Tool Specialist also supports the field sales organization in tool demos, customer training and tool installations. Arrangements are made with the local sales representative.

Limited Warranty

Thomas & Betts manufactures these tools to be free of defects in material and workmanship for the time specified above. Should any defect occur during the specified time period, Thomas & Betts will repair or replace the tool at its option.

Limitations and Exclusions

THIS WARRANTY IS IN LIEU OF ALL OTHER REPRESENTATIONS AND EXPRESSED AND IMPLIED WARRANTIES (INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR USE) AND UNDER NO CIRCUMSTANCES SHALL THOMAS & BETTS BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL PROPERTY DAMAGES OR LOSSES.

THIS WARRANTY IS NONTRANSFERABLE AND REPLACEMENT OF DEFECTIVE PARTS MUST BE MADE AT A FACILITY DESIGNATED BY THE MANUFACTURER.

TOOLS



INSERT DIES FOR BPLT6BSCR HYDRAULIC HEAD & TYPE OD TOOLS

Catalog No.	Description or Color Code
OJB	O
DBL	D
BY39	510 Hex (non-bow)
BY41	635 Hex (non-bow)
BY43	747 Hex (non-bow)
BY45	T
BY47	K
BY49	B
BY51	J
BY53	P
BY13	3/16
BY15*	⁷ / ₃₂ (EEI—1 index 236)
BY17	1/4
BY19	⁵ / ₁₆ (index 161.242)
BY21	3/8
BY23	¹ / ₂ (index 163)
BY25	⁹ / ₁₆
BY27	¹¹ / ₁₆
BY29	¹⁹ / ₃₂
BY31	⁵ / ₈ —1 (index 165)
BY33	737
BY35	781
BY37	840 (EEI 11A)
BY55	Wire Cutter (2/0 max.)
BY63	Orange (Nicopress)
BY65	Plum
BY15C*	⁷ / ₃₂ Red
BY17C*	¹ / ₄ Blue
BY19C*	⁵ / ₁₆ Grey
BY21C*	³ / ₈ Brown
BY23C*	¹ / ₂ Pink
BY24C*	¹ / ₂ —1 Gold
BY25C*	⁹ / ₁₆ Tan/Orange
BY27C*	¹¹ / ₁₆ Yellow
BY31C*	⁵ / ₈ —1 Olive/Purple
BY32C*	Ruby
BY35C*	781 White
BY37C*	840 Red
BY28C*	¹⁷ / ₃₂ Black
BY53C*	P Green
ODH1	Insulating Head Cover

*Can also be used with OD58 tool.

INSERT DIES



INSERT U-TYPE DIES FOR HYDRAULIC HEADS* FOR JB12B, BPLT14BSCR AND BPLT15BSCR-B

Catalog No.	Description or Color Code
B58CS	5/8 Die Set
HO	"O" Die Set
HD	"D" Die Set
HN	"N" Die Set
HU	"U" Die Set
HBKC	BKC
HBKT	BKT
B24EA	EEI 8A
B30EA	EEI 9A
B39EA	EEI 10A
B49EA	EEI 11A (840)
B61EA	EEI 12A
B80EA	EEI 13A
B20AH	EEI 14A
B71AH	
B72AH	
B73AH	
B74AH	
B75AH	
B76AH	
B76SH	
B06CHI	Pink/Gold
B08CH	Tan/Orange
B09CH	Olive/Purple
B11CH	Red/Blue
B10SH	
B05CH	Green
B26CH	Ruby/Yellow
B71CH	Red
B72CH	Black
B73CH	Blue
B74CH	Grey
B75CH	Brown
B76CH	Pink
B10CHI	White
B12CHI	Brown

INSERT DIES



*Adapter 15500TB required with T&B 15-ton tools.

- Seals electrical connections from oxygen and moisture
- Non-water soluble, non-petroleum based polymer grease
- Nontoxic, will not irritate the skin
- Service temperature to 460°F can be applied in 0°F weather
- Clear in color, 8 oz. squeezable bottle
- Prevents formation of surface oxides (especially for aluminum) that interfere with the current transfer between electrical components
- For a more effective electrical connection all conductors need to be wire brushed right before or with the application of the electrical compound. Wire brushing is not recommended on tin plated components
- Applications for use on aluminum to aluminum, aluminum to copper or copper to copper
- Required on all cable connections, on flat to flat surfaces or threaded assemblies
- Does not affect rubber or cable insulation
- Does not contain grit
- Does not stain

EC-S8C



TYPE WW

- For removing oxides from conductor surfaces
- Easy grip handle with glove guard to prevent rubber glove puncture
- Long life brushes can be rotated and are replaceable
- Handle and guard coated with durable non-conductive plastic



TYPE WW – WIRE BRISTLE BRUSH

Cat. No.	Description
WWB1	Complete Brush with Handle
WRB1	Wire Element Only, Pair

SILICONE LUBRICANT FOR HIGH VOLTAGE ELECTRICAL WORK

Cat. No.	Size	Std. Pkg.
SL5	5 oz./142 grams	12 tubes



Installation Dies
and Tools

MECHANICAL CONNECTORS

Split Bolts

Type H High Strength Split-Bolt Connectors

Blackburn	Penn Union	Burndy	IlSCO/Utilco	Anderson	Joslyn	Dossert	Eritech
9H	S-10	KS90	IK-10	C-10	J3657	DS-09F	ESB10
8H	S-8	KS15	IK-8	C-8	J3608	DS-1F	ESB8
8H3	SEL-8		SEL8S	C-8-L			
6H	S-6	KS17	IK-6	C-6	J3606	DS-2F	ESB6
6H3	SEL-6	KS17-3	SEL6S	C-6-L	J3608	DS-2-3	
4H	S-4	KS20	IK-4	C-4	J3604	DS-3F	ESB4
4H3	SEL-4	KS20-3	SEL4S	C-4-L	J3604	DS-3-3	
3H							ESB3
3H3							
2H	S-3	KS22	IK-3	C-2	J3602	DS-5F	ESB2
2H3	SEL-3	KS22-3		C-2-L	J3602	DS-5-3	
1H	S-2	KS23	IK-2	C-1		DS-6F	
1H3	SEL-2		SEL-2S	C-1-L		DS-6-3	
10H	S-1/0	KS25	IK-1/0	C-1/0	J3610	DS-10F	ESB1/0
20H	S-2/0	KS26	IK-2/0	C-2/0		DS-13F	ESB2/0
30H	S-3/0	KL27	IK-3/0	C-3/0		DS-17	ESB4/0
40H	S-4/0-250	KS29	IK-250	C-4/0	J3640	DS-25C	ESB250
350M	S-350	KS31	IK-350	C-350	J3635	DS-35	ESB350
500M	S-500	KS34	IK-500	C-500	J2650	DS-50	ESB500
750M	S-750	KS39	IK-750	C-750	J3675	DS-75	ESB750
1000M	S-1000	KS44	IK-1000	C-1000	J3679	DS-100	

Type HPS Plated Split-Bolt Connectors

Blackburn	Penn Union	Burndy	IlSCO/ Utilco	Dossert	Eritech
9HPS	SW-1				
8HPS	SW-2				ESBP8
6HPS	SW-3	KSU17	SK-6	DSNS2	ESBP9
4HPS	SW-4	KSU20	SK-4	DSNS3F	ESBP6
2HPS	SW-5	KSU22	SK-3	DSNS5F	ESBP2
1HPS	SW-6	KSO23	SK-2	DSNS6F	
10HPS	SW-7	KSU25	SK-1/0	DSNS10F	ESBP1/0
20HPS	SW-8	KSU26	SK-2/0	DSNS13F	ESBP2/0
40HPS	SW-9A	KSU27	SK-3/0	DSNS25C	ESBP4/0
350HPS	SW-11	KSU31	SK-350	DSNS35	ESBP350
500HPS	SW-12	KSU34	SK-500	DSNS50	ESBP500
750HPS	SW-13			DSNS75	
1000HPS	SW-14			DSNS100	

MECHANICAL CONNECTORS

Mechanical Service Entrance Connectors

Type N and NPW Service Entrance Connectors

Blackburn	Penn Union	Burndy	IlSCO	Dossert
10N	SX-10-8		SX-10-8	ES1V
6N	SX-6	KP6C	SX-6	ES2
4N	SX-4	KP4C	SX-4	ES4
10NPW				
6NPW	SAX-6			ESSN2
4NPW	SAX-4			ESSN4

Parallel Groove Connectors

Type PAA One and Two-Bolt Aluminum Parallel Groove Clamps

Blackburn	Penn Union	Burndy	Anderson	Dossert
PAA4	PCAA-10	UC25R2R	LC51A	AC100
PAA5			LC51C	AC101
PAA6			LC52A	
PAA10		UC32R	LC81A	AC103
PAA12	PCAA-17		LC53A	AC102
PAA400			LC66A	
PAA29	PCAA-10-BF			
PAA339	PCAA-10-BF			
PAA49	PCAA-10-BF		LC51A-XB	
PAA59		UC25RS	LC51C-XB	
PAA69			LC52A-XB	
PAA109		UC28RS		
PAA129	PCAA-17-BF			
PAA4009				

Type K Jumper Clamps

Blackburn	Penn Union	Sherman
K1	JC-1-AC	R-12
K2	JC-2-AA	R-22
K3	JC-3-CC	R-23

Type PAC Aluminum Parallel Groove Clamps with Cast Copper Liner

Blackburn	Anderson
PAC 345	LCS11, LCS22A
PAC7	LC811A
PAC3459	
PAC79	

Type PAE Parallel Groove Clamps Extruded Type

Blackburn	Alcoa
PAE2121-9	396.6
PAE4141-9	481.1
PAE3921-9-2	392.6
PAE9941-9	
PAE3931-9-2	392.6
PAE3939-9-2	482.2
PAE9921-9	393.6
PAE9939-9	483.2
PAE9999-9	483.3

MECHANICAL CONNECTORS

Two-Bolt Connectors

Type 2B Two-Bolt Connector without Spacer

Blackburn	Penn Union	Burndy	IlSCO	Kearney	Anderson	Chance	Dossert
2B10	VT-0			17280	K-1		DSU10
2B20BB	VT-1	KVS26		16369	K-2	00UC	DSU13
2B40	VT-2	KVS28	IKB-4/0		K-3		DSU21
2B350	VT-3	KVS31	IKB-350	16371	K-4	35UC	DSU35
2B500	VT-4	KVS34	IKB-500	16372	K-5	50UC	DSU50
2B800	VT-5	KVS40	IKB-800		K-6	75UC	DSU80
2B1000	VT-6	KVS44	IKB-1000	16374	K-7	100UC	DSU100

Type 2BX One-Piece Two-Bolt Connector without Spacer

Blackburn	Penn Union
2B10X	VT-0L
2B20X	VT-1L
2B40X	VT-2L
2B350X	VT-3L
2B500X	VT-4L
2B800X	VT-5L
2B1000X	VT-6L

Type 2BPW Plated Two-Bolt Connector with Spacer

Blackburn	Penn Union	Burndy	IlSCO	Anderson	Dossert
2B10PW	VTA-0			KR-1TP	DSUN10
2B20PW	VTA-1	KVSU26		KR-2TP	DSUN13
2B40PW	VTA-2	KVSU28	IKS-4/0	KR-3TP	DSUN21
2B350PW	VTA-3	KVSU31	IKS-350	KR-4TP	DSUN35
2B500PW	VTA-4	KVSU34	IKS-500	KR-5TP	DSUN50
2B800PW	VTA-5	KVSU40	IKS-800	KR-6TP	DSUN80
2B1000PW	VTA-6	KVSU44	IKS-1000	KR-7TP	DSUN100

Type 2BW One-Piece Two-Bolt Connector with Spacer

Blackburn	Penn Union	Burndy	Anderson	Dossert
2B10W	VTW-0		KR-1	DSUS10
2B20W	VTW-1	KVSW26	KR-2	DSUS13
2B40W	VTW-2	KVSW28	KR-3	DSUS21
2B350W	VTW-3	KVSW31	KR-4	DSUS35
2B500W	VTW-4	KVSW34	KR-5	DSUS50
2B800W	VTW-5	KVSW40	KR-6	DSUS80
2B1000W	VTW-6	KVSW44	KR-7	DSUS100

MECHANICAL CONNECTORS

Cross Tap Clamp

Type XT Clamp for Tee Tap, Cross, Parallel and End-to-End Connectors

Blackburn	Penn Union	Burndy	Anderson	Chance	Dossert
XT12	VX-3	QPX282C	XP-024018		GTX-216
XT13	VX-3	QPX2828	XP-024024	0000-MT	GTX21-21
XT21	VX-4	QPX342C	XP-050018		GTX50-6
XT22	VX-6	QPX3428	XP-050024		GTX50-21
XT23	VX-6	QPX3434	XP-050050	50-MT	GTX50-50
XT33	VX-10	QPX4434	XP-100050		GTX100-50
XT34	VX-10	QPX4444	XP-100100	100-MT	GTX100-100

Deadend Clamps

Type DLC Single U-Bolt Aluminum Fittings

Blackburn	Penn Union	Burndy	Anderson	Fargo	Chance	Dossert	Bethea	Alcoa
DLC2106	ADC10, ADC9, ADC11	UW2R, UW25R	LC71B, LC70B, LC72B	GA-144, GA145	S610AA	AR7, AR11	ALD-1-U, ALD-23-U	2412, 411, 412, 413
DLC23			LC74-4	GA145	S640AA	AR22	ALD-3636-U	
DLC25			LC74B		S650AA		ALD-67-U	

Multi-Bolt Connectors

Type 4B and 6B One-Piece Multi-Bolt Connectors

Blackburn	Anderson	Chance	Dossert	Alcoa
4B29		A740AA		
4B49	LCU-13		ACA450	582.2
6B89	LCU-16			582.3

Hot Line Clamps

Type HLC Hot Line Clamps, Protected Thread

Blackburn	Anderson	Fargo	Chance	Kearney	Utilco
HLC2108	BH-00, BH-1	GH100	S-1520-CC	3532	BHLC-1
HLC2108P	BH-1-FTP	GH100P	S-1520-GP	3532-4	
HLC2108AP9			S-1520-AGP		
HLC3974	BH-4	GH101	S-1530-CC	3537	BHLC-2
HLC3974AP					
HLC3974P	BH-4-FTP	GH101P	S-1530-GP	3537-4	

COMPRESSION H-TAP CONNECTORS

Type WR "O" and "D" Die Seven Connector Program

Blackburn	Penn Union	Burndy	Homac	Kearney
WR159	KO-R06	YHO100, YHO1	OB44	506-82
WR189	KO-R08	YHO150, YHO2	OB101	508-82
WR289	KD-R02	YHD200, YHD3	DB202	502-82
WR279	KD-R04	YHD300, YHD4	DB2020	504-82
WR379	KD-R03	YHD250, YHD5	DB404	503-82
WR399	KD-R05	YHD350, YHD6	DB4020	505-82
WR419	KD-R28	YHD400, YHD7	DB4040	507-82

Type WR Supplemental "O" and "D" Die Connectors

Blackburn	Penn Union	Burndy	Kearney	Anderson	Homac
WR149	KO-R33	YNO125	333-81	VCP44	
WR179	KO-R08	YC25A2	325-81		
WR199	KO-R08	YP26AU2 (ALT)	329-81		
WR1010		YHO2-ONE			OB1010D
WR259	KD-R04	YC25A25			
WR299	KD-R02	YHD200			
WR219	KD-R26		326-81		
WR239					
WR229	KD-R30				
WR269	KD-R27				
WR319					
WR339	KD-R96				
WR359	KD-R49		349-81		
WR369	KD-R94		394-81		
WR389	KD-R95		395-8		

Type WR Wide Range "N" Die Tap Connector for Hydraulic Tools, 12-Ton and Greater

Blackburn	Penn Union	Burndy	Homac
WR715	KN-1		NB50040
WR775		YHN450	
WR815		YHN500	
WR835	KN-R2		
WR875			
WR885		YHN525	NB500

Type WR Wide Range "N" Die Tap Connector for Hydraulic Tools, 10-Ton and Greater

Blackburn	Penn Union	Burndy	Kearney	Homac
WR699	KN-0		480	
WR719			481	
WR739	KN-R2	YHN550	482-81	
WR779	KN-4	YHN600	483	
WR799	KN-R5		485-81	
WR819	KN-R6	YC33R26	486-81	NB60020
WR839	KN-R7		487-81	
WR879	KN-8		488	
WR889				

Type WR Wide Range "R" Die Tap Connectors

Blackburn	Penn Union	Burndy	Homac	Kearney
WR909	KR-R03	YHR700		603-82
WR929	KR-R04	YHR750	ZB-954	604-82
WR949	KR-R05	YHR800		605-82
WR969	KR-R06	YHR850	ZB-954	606-82
WR989	KR-R07	YHR900	ZB954	607-82
WR999				

COMPRESSION CONNECTORS

Type WR Street Lighting Compression Connectors

Blackburn	Penn Union	Burndy	Kearney
WR9	KO-R22	YP2A9U	421-8
WR139	KO-R24	YPC26R8U	
WR502			

Type CF Copper Compression Taps

Blackburn	Penn Union	Kearney
CF44-1	CDT-399-8	399-8
CFS44-1	CDT-301	
CF22-1	CDT-398-8	398-8
CFS22-1	CDT-302	
CF102-1	CDT-304-8	304-8
CF1010-1	CDT-303-8	303-8
CF202-1		
CF2020-1	CDT-305-8	305-8
CF402-1	CDT-309-8	309-8
CF4010-1	CDT-308-8	308-8
CF4040-1	CDT-307-8	307-8

Type C Compression Connector Covers

Blackburn	Burndy	Homac	Kearney	Anderson
C2BB		CO20B	48480	SEC-4
C5-BB	CCO	CO20B	601O	PTC-1
C7	CCD	CD40B	601D	PTC-2
C9	CCN	CN600B		
C9L	CCNL	CN600B		

SERVICE ENTRANCE CONNECTORS

Type CS Service Entrance Sleeves, 5/8 Die

Blackburn	Penn Union	Burndy	Homac	Kearney
CS61	PSK-66	YSU6W6W	U1B88	26427
CS62	PSK-48	YSU4W8W	U1B61	26527
CS63	PSK-46	YSU4W6W	U1B68	26393
CS64	PSK-44	YSU4W4W	U1B66	20693
CS65	PSK-28	YSU2W8W	U1B41	26412
CS66	PSK-26	YSU2W6W	U1B48	26467
CS67	PSK-24	YSU2W4W	U1B46	20692
CS68	PSK-22	YSU2W2W	U1B44	20691
CS69	PSK-18	YSU2R8W	U1B21	26526
CS70	PSK-16	YSU2R6W	U1B28	26525
CS71	PSK-14	YSU2R4W	U1B26	20690
CS72	PSK-12	YSU2R2W	U1B24	20689
CS73	PSK-11	YSU2R2R	U1B22	20688
CS74	PSK-06	YSU25R6W	U1B108	30933
CS75	PSK-04	YSU25R4W	U1B106	30163
CS76	PSK-02	YSU25R2W	U1B104	26485
CS77	PSK-01	YSU25R2R	U1B102	26484
CS78	PSK-00	YSU25R25R	U1B1010	30198
CS84			U1B2010	
CS85			U1B3030	

COMPRESSION CONNECTORS

Type ICS Insulated Service Entrance Sleeves, 5/8 Die

Blackburn	Penn Union	Burndy	Homac	Kearney
ICS61-1	PIK-66	ES6W6W	U1N61	58-GG
ICS62-1	PIK-48	ES4W8W	U1N68	58-BLBR
ICS63-1	PIK-46	ES4W6W	U1N66	58-BLG
ICS64-1	PIK-44	ES4W4W	U1N41	58-BLBL
ICS65-1	PIK-28	ES2W8W	U1N48	58-OBR
ICS66-1	PIK-26	ES2W6W	U1N46	58-OG
ICS67-1	PIK-24	ES2W4W	U1N44	58-OBL
ICS68-1	PIK-22	ES2W2W	U1N28	58-OO
ICS70-1	PIK-16	ES2R6W	U1N26	58-RG
ICS71-1	PIK-14	ES2R4W	U1N24	58-RBL
ICS72-1	PIK-12	ES2R2W	U1N22	58-RO
ICS73-1	PIK-11	ES2R2R	U1N22	58-RR
ICS74-1	PIK-08	ES25R6W	U1N106	58-YBL
ICS75-1	PIK-04	ES25R4W	U1N104	58-YO
ICS76-1	PIK-02	ES25R2W	U1N102	58-YR
ICS77-1	PIK-01	ES25R2R	U1N1010	58-YY
ICS78-1	PIK-00	ES25R25R	U1N1010	58YY

Type KL Large Compression Service Entrance Sleeves, 840 Die

Blackburn	Penn Union	Burndy	Homac	Kearney
KL22-1			X1U44	
KL25-1			X1U22	36718
KL31-1	PS-00			
KL36-1	PS-00		X1U1010	36715
KL45-1	PS-201	YSD26R2R	X1U202	36713
KL46-1	PS-200	YSD26R25R	X1U2010	36712
KL47-1	PS-2020	YSD26R26R	X1U2020	36711
KL54-1	PS-302	YSD27R2W	X1U304	36710
KL55-1	PS-301	YSD27R2R	X1U302	36709
KL56-1	PS-300	YSD27R25R	X1U3010	36708
KL57-1	PS-3020	YSD27R26R	X1U3020	36707
KL58-1	PS-3030	YSD27R27R	X1U3030	36706
KL64-1	PS-402	YSD28R2W	X1U404	36705
KL65-1	PS-401	YSD28R2R	X1U402	36704
KL66-1	PS-400	YSD28R25R	X1U4010	36703
KL67-1	PS-4020	YSD28R26R	X1U4020	36702
KL68-1	PS-4030	YSD28R27R	X1U4030	36701
KL69-1	PS-4040	YSD28R28R	X1U4040	36700

COMPRESSION CONNECTORS

Type IKL Insulated Service Entrance Sleeves, 840 Die

Blackburn	Penn Union	Homac
IKL34		
IKL35	PIK-01R	
IKL36	PIK-00R	
IKL43	PIK-204	
IKL44	PIK-202	
IKL45	PIK-201	
IKL46	PIK-200	XIN2010
IKL47	PIK-2020	XIN2020
IKL54	PIK-302	
IKL55	PIK-301	
IKL56	PIK-300	XIN3010
IKL57	PIK-3020	XIN3020
IKL58	PIK-3030	XIN3030
IKL64	PIK-402	
IKL65	PIK-401	
IKL66	PIK-400	XIN4010
IKL67	PIK-4020	XIN4020
IKL68	PIK-4030	XIN4030
IKL69	PIK-4040	XIN4040

Type TR Triplex Neutral Splice, Semi-Tension, 5/8 Die

Blackburn	Penn Union	Burndy	Homac	Kearney	Anderson
TR61	PNK-44	YSS6RG2	SNG66	30008	DCN-6R6R
TR63	PNK-22	YSS4R	SNG44	30009	DCN4R4R
TR64	PNK-11	YSS2R	SNG22	30010	DCN2R2R
TR65	PNK-00	YDS25AT	SNG00	30013	DCN-0W0W
TR66			SNG00	30715	

DISTRIBUTION COMPRESSION CONNECTORS

Type AC Single Sleeve, Full Tension Splice for All Aluminum Conductor

Blackburn	Burndy	Homac	Kearney
AC6-TB	YDS6CA		
AC4-BB	YDS4CA	L2A5	OHR-4-7AL
AC2-TB	YDS2CA	Q247	OHR-2-7AL
AC10-TB	YDS25AT	U2A9	OHR-1/0-7AL
AC20		Z2A10	OHR-2/0-7AL
AC205	YDS26AT		
AC30	YDS27AT	2169	OHR-3/0-7AL
AC40	YDS28AT	2170	OHR-4/0-7AL
AC266	YDS291AT	2174	HR-266-7AL
AC336	YDS301AT	2176	HR-336-7AL
AC350	YDS31AT		
AC397	YDS311AT	2178	2178
AC477	TDS331AT	2182	2182
AC556			

Type RC Single Sleeve, Full Tension Splice for ACSR, AAAC, 5005, AAC Conductor

Blackburn	Penn Union	Burndy	Homac	Kearney
RC4BB	KFAS-4-61-71		BS46 BS467	OH4-61-71AS
RC45				
RC2BB	KFAS-2-61-71	YDS2RL	DS26 DS267	OH2-61-71AS
RC25		YDS021RL	DS26 DS267	
RC10	KFAS-1/0-61	YDS25RL	WS10 RS10	OH-1/0-61AS
RC205				
RC20	KFAS-2/0-61	YDS26RL	MS20	H-2/0-61AS
RC30	KFAS-3/0-61	YDS27RL	16100	H-3/0-61AS
RC40	KFAS-4/0-61	YDS28RL	16101	H-4/0-61AS
RC336	KFAS-336-181	YDS321RL	16104	H-336-181AS
RC397		YDS341RL	16106	H-397-181AS
RC477				

Type CTS Copper Full Tension Splice for Solid, Stranded and Copperweld Conductor

Blackburn	Penn Union	Burndy	Kearney	Nicopress
CTS8		YDS8WGI	OH8C	1-128J
CTS6	BFW-6	YDS6W	OH6C	1-162J
CTS4	BFW-4	YDS4W	OH4C	1-204P
CTS27		YDS2C	OH2-7C	1-258/7X
CTS407		YDS28	H4/0-7C	1-460/7H5
CTS6ACW		YDS6KT	OHR6ACW	1-6A-P

COMPRESSION CONNECTORS

Type PCS, PKL, and PRS Pigtail Compression Sleeves

Blackburn	Penn Union	Burndy	Homac	Kearney
PCS64	PSKS-44-2 1/4	YE6R-25	U5U6	103908-1
PCS67	PSKS-24-2 1/4	YE4R-25	U5U4	103909
PCS71	PSKS-14-2 1/4	YE2R-25	U5U2	103910
PCS76	PSKS-02-3 1/4	YE25R25	U5U10	103911
PKL36-1	PSS-01-6 1/2		X5U10	40668
PKL46-1	PSS-201-6 1/2	YE26R-60	X5U20	
PKL56-1	PSS-301-6 1/2	YE27R-60	X5U30	36875, 40628, 40019
PKL66-1	PSS-401-6 1/2	YE28R-60	X5U40	40549,26485-12, 30579-12
PRS25N	PSS-261-5 1/2	YE30R-60	PTB300	
PRS30N	PSS-3330-5 1/2	YE32R-60	PTB350	36691-1
PRS35N			PTB400	49603-1, 49603
PRS40N		YE361R-60	PTM500	

Type AL Aluminum Compression Terminal Lugs

Blackburn	Penn Union	Burndy	Homac
AL4	KSL-R2D	YCA2R-2N	SAK2-N
AL5		YCAK25AG1	SAK1/0-48
AL6	KSL-1/0D	YCA25R-2N	SAK1/0-N
AL7		YCAK26AG1	SAK2/0-48
AL8	KSL-2/0D	YCA26R-2N	SAK2/0-N
AL9		YCAK27AG1	SAK3/0-48
AL10	KSL-3/0D	YCA27R-2N	SAK3/0-N
AL11		YCAK28AG1	SAK4/0-48
AL12	KSL-4/0D	YCA28R-2N	SAK4/0-N
AL16	KSL-026D	YCA30R-2N	SAB300-N
AL18	KSL-035D	YCA321R-2N	SAB350-N
AL20		YCA33R-2N	SAB400-N
AL24	KSL-050D	YCA35R-2N	AL500NTN
AL28		YCA37R-2N	AL600NTN
AL32		YCA39R-2N	SAM636-N
AL44		YCA391A-2N	SAL750-N
AL60			SAL1033-N

Type ALS Aluminum Compression Terminal Lugs

Blackburn	Penn Union	Burndy	Homac	Kearney	Anderson
AL581	FKLA-W2-S	YRA4CU	SA4-48		
AL582			SA4-N	40155	
AL583	FKLA-C2-S		SA2-48		
AL584			SA2-N	36918	
AL585	FKLA-010-S	YRA25A	SA1/0-48		
AL586		YCA25R-2N	SA1/0-N		
ALS1	FSLA-W2-S	YRAL4CU		104761-1	
ALS2					
ALS3	FSLA-C2-S	YA2CA2		104761-2	
ALS4					CCL-316-B
ALS5	FSLA-010-S	YRA25U		104761-3	
ALS6				36233	CCL-372-B CCL-398-B
ALS7	FSLA-013-S	YRA26U	SA2/0-48	104761-4	
ALS8		YCA26R-2N	SA2/0-N	36234	CCL-418-B CCL-447-B
ALS9	FSLA-017-S	YRA27U	SA3/0-48	104761-5	
ALS10		YCA27R-2N	SA3/0-N	48212	CCL-470-B CCL-527-B

COMPRESSION CONNECTORS

Type ALS Aluminum Compression Terminal Lugs

Blackburn	Penn Union	Burndy	Homac	Kearney	Anderson
ALS11	FSLA-025-S	YRA28U	SA4/0-48	104761-6	
ALS12		YCA28R-2N	SA4/0-N	48160	CCL-593-B
ALS13	FULA-025-S		SA250-48		
ALS14	FULA-025-D		SA250-N	36236	
ALS15	FULA-030-S		SA300-48	104761-7	
ALS16	FULA-030-D	YCA30R-2N	SA300-N	36237	
ALS17	FULA-035-S	YCAK31AG1	SA350-48	104761-8	
ALS18	FULA-035-D	YCA321R-2N	SA350-N	36238	
ALS19	FULA-R033-S		SA400-48	104761-9	
ALS20	FULA-R033-D	YCA33R-2N	SA400-N	36239	
ALS23	FULA-045-S		SA500-48		
ALS24	FULA-045-D	YCA35R-2N	SA500-N	36950	
ALS28		YCA37R-2N			
ALS32		YCA39R-2N			
ALS44		YCA43R-2N			
ALS60		YCA48R-2N			

COMPRESSION STIRRUP CONNECTORS

Type WRQ and WRS Wide Range Compression Stirrups

Blackburn	Penn Union	Burndy	Kearney
WRQ154			
WRQ152		YCB4U1	101400
WRQ172	KBO-1/0-2	YCB1U1	101400-01
WRQ232	KBD-2/0-2	YCB28U26	101400-02
WRQ352	KBD-4/0	YCB28U26	101400-03
WRQ698		YCB38R26U	101400-04
WRS154			
WRS152			
WRS172	KKBO-1/0-2	YCB25R	
WRS232	KKBO-2/0-2		
WRS352	KKBO-4/0-2		
WRS719			
WRS819			

Type SC Wide Range Compression Stirrups

Blackburn	Penn Union	Kearney
SCO02	KKBO-R2-2	40894
SCO21	KKBO-1/0-2	36104
SCD41	KKBO-4/0-2	104307

AUTOMATIC CONNECTORS

Type ATS Automatic Splices

Blackburn	Fargo	Reliable
ATS4-S	GL402	7651
ATS42	GL402; GL404	7651, 7652
ATS2	GL404	7652
ATS10	GL406	7653
ATS1020	GL406, GL407	7653, 7654
ATS3040	GL408, GL409	7655, 7656
ATS40	GL409	7656
ATS266336	GL1315A	7657, 7658
ATS397477	GL1325A	7659

Type ATD-ZB Stainless Steel Bail

Blackburn	Fargo	Reliable
ATD42ZB	GD402Z, GD404Z	7651SDS, 7652SDS
ATD1020ZB	GD406Z, GD407Z	7653SDS, 7654SDS
ATD3040ZB	GD408Z, GD409Z	7655SDS, 7656SDS
ATD266336ZB	GD1205AZ, GD1315AZ	7657SDS, 7658SDS
ATD397477ZB	GD1325AZ	7659SDS

Type ATD-CB Clevis Bracket

Blackburn	Fargo	Reliable
ATD42CB	GD442, GD444	7651LD, 7651LD
ATD1020CB	GD446, GD447	7653LD, 7654LD
ATD3040CB	GD448, GD449	7655LD, 7656LD
ATD266336CB	GD5315A	7657LD, 7658LD
ATD397477CB	GD5325A	7659LD

Type ATD-FB Flexible Bail

Blackburn	Fargo	Reliable
ATD42FB	GD402, GD404	7651FD, 7652FD
ATD1020FB	GD406, GD407	7653FD, 7654FD

Type ATDG Guaystrand Connectors

Blackburn	Strand Size	Fargo	Reliable
ATDG14	1/4"	GDE-5100	5100
ATDG516	5/16"	GDE-5101	5101
ATDG38	3/8"	GDE-5102	5102
ATDG716	7/16"	-	5203
ATDG14L	1/4"	5000	5000-L
ATDG516L	5/16"	5001	5001-L
ATDG38L	3/8"	5002	5002-L
ATDG716L	7/16"	-	-

Type ATSG Guaystrand Splices

Blackburn	Strand Size	Fargo	Reliable
ATSG14	1/4"	-	5000
ATSG516	5/16"	-	5001
ATSG38	3/8"	-	5002
ATSG716	7/16"	-	-

WEDGE CLAMPS

Type W Aluminum Service Wedge Clamps- ACSR, Aluminum, AAAC Conductor

Blackburn	Reliable
W62-1	7195
W62-1FC	7195F
W20-1	7187
W20-1FC	7187F
W40-1	7197
W40-1FC	7187F
W62-1B	7195I
W62-1BFC	7195FI
W20-1B	7187I
W20-1BFC	7187FI
W40-1B	7187I
W40-1BFC	7187FI

GROUND CONNECTORS

Type JAB Ground Rod Clamps

Blackburn	Penn Union	Burndy	IlSCO	Eritech	Anderson	Joslyn	Dossert
JAB12	CAB-1	GRC12	CGRC48	HDC12		J8391AB	GNA50
JAB58	CAB-2	GRC58	CGRC58			J8392AB	GNA62
JAB34	CAB-3			HDC34		J8393AB	GNA75
JAB34C		GRC3426	CGRC68				
JAB1							
JAB12H	CAB-1			HDC12	GC-103-01	J8491AB	GN-50
JAB58H	CAB-2			HDC58R	GC-103-02	A8393AB	GN-62
JAB34H	CAB-3			HDC34	GC-103-03	J8493AB	GN-75
JAB1H							

Type G Budget Line Ground Rod Clamps

Blackburn	Penn Union	Burndy	IlSCO	Eritech	Anderson	Dossert
G3	CAB-1	GRC38		CP38		
G4	CEB-1	GRC-12	GRC-48	CP12	GC-4	GNL50
G5	CEB-2	GRC-58	GRC-58	CP58	GC-5	GNL62
G6	CEB-3	GRC34	GRC-68	CP34	GC-6	GNL75

Type TTC Transformer Tank Ground Connectors

Blackburn	Penn Union	Burndy	Anderson	Dossert	Eritech
TTC2	HGSE-020	EQC632C	GTCL-34A		TGC210
TTC3	HGSE-C1		GTCL-23A	TGC8-50	
TTC4					
TTC2P					
TTC3P	GSE-C1TN		GTC23A-TP	TGC8-50SN	
TTC4P					

DIE CROSS REFERENCE						
Die Designation	Blackburn/T&B		Burdny		Alcoa/ Other	EEI
	Mechanical	Hydraulic				
	OD58 Series & TBM6H Hydraulic Head (Except as Noted)	JB12B, TBM14M 13100A, TBM15	Mechanical	Hydraulic		
5/8	BY31 13474/13477* (Orange/Tan Nest)	B58CS	W-BG	U-BG	G, TU, Peach	
840	BY37 13474/13477* (Red/Blue Nest)	B49EA 15512	W-K840	U-K840 U-249	TX	
O	OJB 13470*	HO 15501-A	W-O	U-O	B11AH	
D	DBL 13471*	HD 15502		U-D	BD	
N		HN 15612**		U-N	BN	
R		15620**		U-R		
B, T, BKT	BY45, BY49	HBKT	W-KB W-BG			
K	BY47	HBKT	W-KK			
C	BY33	HBKC	W-C	U-C		
KC		B39EA	W-247	U-247 U-167		
J, 5/16	BY19 BY51	B73AH	W161 W-242	U-161 U-242	TP	
P, 3/8	BY21 BY53	B71AH 15513	W-162	U-162	TK TL, TN, TB	
1/2, 510, 500	BY23	B17EA 15526 B72AH	W-163	U-163	B06AH TQ, TS	6A
5/8-1, 620	BY31	B24EA	W-BG W-165 W-243	U-BG, U-165 U-243	B08AH TU	8A
635	BY41	B30EA	W-245 W-687	U-245	TWTY B09AH	9A
737 747	BY33	B39EA 15534	W-C W-247 W-167 W-694 W-702	U-247 U-167 U-694	B10AH TV	10A
781	BY35	B74AH	W-247	U-247 U-659		
840, 845	BY37	B49EA 15514 15512	W-249	U-249 U-658 U-168	TX B11AH	11A
1		B75AH 15506 B61EA		U-251 U654	TH B12AH	12A
1 1/8-1		B80EA B20AH 15536 15505		U-321 U-490, U-317 U468, U426 U547, U-655	B13AH	13A 14A
1 5/16		B76AH B78AH B20AH 15515		U-318, U-327 U-261 U-788	B14AH	14A

All Blackburn and Alcoa "B" Series Dies and Burndy "U" Dies fit the T&B/Blackburn Hydraulic Tools listed.
Adapter 15500TB required with TBM15.

* Fit TBM6, 6S, and TBM60RS. (Same as Homac UT5 and "H" series Dies)

** Fit TBM15 only

For reference only. Connectors may require a specific die for proper application.

BARE CONDUCTOR INFORMATION AWG OR KCMIL

Conductor Diameter (in.)	ACSR or All Aluminum	Rated Breaking Strength	Aluminum Alloy (5005-6201)	Rated Breaking Strength	Compacted ACSR or All Aluminum	Rated Breaking Strength	AWAC	Rated Breaking Strength	Copper or Copperweld Copper Composite	Rated Breaking Strength
.162	#6, Solid	474.0							#6, Solid	1,280
.169					#6, 7W	528				
.174									912D	1,743
.179									8C	1,362
.182	#5, Solid	597.7			#6, 6/1	1,170			#5, Solid	1,591
.184	#6, 7W	560							#6, 7W	1,228
.198	#6, 6/1	1,170	#6, 7W	555						
.199									8A	2,233
.201			#6, 3W	915						
.202									#6, 3W	1,204
.204	#4, Solid	753.9							#4, Solid	1,970
.206									#5, 7W	1,542
.213					#4, 7W	826				
.219									8D	3,256
.223	#5, 6/1	1,460							7A	2,754
.225									6C	2,143
.226									#5, 3W	1,516
.229	#3, Solid	929.9			#4, 6/1	1,830			#3, Solid	2,439
.230									6A	2,585
.232	#4, 7W	915							#4, 7W	1,938
.236					#4, 7/1	2,288				
.245							#4, 6/1	1,783		
.246									7D	4,022
.250	#4, 6/1	1,830	#4, 7W	875						
.257	#4, 7/1	2,290								
.258	#2, Solid	1,172.6			#3, 6/1	2,250			#2, Solid; 5A	3,003; 3,193
.260	#3, 7W	1,100							#3, 7W	2,433
.261							#4, 5/2	2,830		
.268					#2, 7W	1,266				
.276									6D	4,942
.281	#3, 6/1	2,250					#4, 4/3	4,305		
.286									#3, 3W	2,359
.289									#1, Solid	3,688
.290					#2, 6/1	2,790			4A	3,938
.292	#2, 7W	1,340							#2, 7W	3,045
.298					#2, 7/1	3,525				
.301					#1, 7W	1,537				
.307							#4, 3/4	6,325		
.308									2F	4,233
.309							#2, 6/1	2,760		
.310									5D	6,035
.316	#2, 6/1	2,790	#2, 7W	2,195						
.320									#2, 3W	2,913
.325	#2, 7/1	3,525							1/0, Solid	4,517
.326					#1, 6/1	3,480			5P	9,311
.327									2G	5,626
.328	#1, 7W	1,620							#1, 7W; 4N	3,804; 8,460
.330							#2, 5/2	4,436		
.332	#1, 19W	1,685							#1, 19W	3,899
.338					1/0, 7W	1,865				
.340					1/0, 19W	2,090	#4, 2/5	9,314		
.346									1F	5,266

BARE CONDUCTOR INFORMATION AWG OR KCMIL (continued)

Conductor Diameter (in.)	ACSR or All Aluminum	Rated Breaking Strength	Aluminum Alloy (5005-6201)	Rated Breaking Strength	Compacted ACSR or All Aluminum	Rated Breaking Strength	AWAC	Rated Breaking Strength	Copper or Copperweld Copper Composite	Rated Breaking Strength
.348									4D	7,340
.349									2J	7,322
.355	#1, 6/1	3,480					#2, 4/3	6,785		
.360									#1, 3W	3,620
.365					1/0, 6/1	4,280			2/0, Solid	5,519
.366									2A; 4P	5,876; 11,420
.367	80, 8/1	5,200							1G	6,956
.368	1/0, 7W	1,970							1/0, 7W; 3N	4,750; 10,390
.372									1/0, 19W	4,901
.373	1/0, 19W	2,090								
.377									2K	9,730
.381					2/0, 7W	2,350				
.382					2/0, 19W	2,586				
.386							#2, 3/4	9,793		
.388									1/0F	6,536
.390							1/0, 6/1	4,246	1/0, 12W	4,841
.392									1J	9,000
.398	1/0, 6/1	4,280	1/0, 7W	3,405						
.410					2/0, 6/1	5,345				
.411									3P	13,910
.412									1/0G	8,563
.413									2N	12,680
.414	2/0, 7W	2,485							2/0, 7W	5,927
.416							1/0, 5/2	6,712		
.419	2/0, 19W	2,586							2/0, 19W	6,152
.423									1K	11,900
.426					3/0, 7W	2,845				
.428					3/0, 19W	3,200				
.429							#2, 2/5	14,060		
.436									2/0F	8,094
.438							2/0, 6/1	5,135	2/0, 12W	6,048
.440									1/0J	10,970
.447	2/0, 6/1	5,345	2/0, 7W	4,230			1/0, 4/3	10,020		
.461	101.8, 12/7	9,860			3/0, 6/1	6,675				
.462									2P	16,870
.463									2/0G	10,510
.464	3/0, 7W	3,005							3/0, 7W; IN	7,366; 15,410
.467							2/0, 5/2	8,040		
.470	3/0, 19W	3,200							3/0, 19W	7,698
.475									1/0K	14,490
.480					4/0, 7W	3,590				
.481	110.8, 12/7	10,730			4/0, 19W	3,890				
.487							1/0, 3/4	14,006		
.492									3/0, 12W	7,556
.494									2/0J	13,430
.502	3/0, 6/1	6,675	3/0, 7W	4,965			2/0, 4/3	12,000		
.517					4/0, 6/1	8,420				
.522	4/0, 7W	3,590							4/0, 7W	9,154
.523					250, 19W	4,506				
.528	4/0, 19W	3,980							4/0, 19W	9,617
.530	134.6, 12/7	12,920								
.534									2/0K	17,600
.537					266.8, 7W	4,775				
.540					266.8, 19W	4,800				
.541							1/0, 2/5	20,030		
.550									4/0F	12,290

BARE CONDUCTOR INFORMATION AWG OR KCMIL (continued)

Conductor Diameter (in.)	ACSR or All Aluminum	Rated Breaking Strength	Aluminum Alloy (5005-6201)	Rated Breaking Strength	Compacted ACSR or All Aluminum	Rated Breaking Strength	AWAC	Rated Breaking Strength	Copper or Copperweld Copper Composite	Rated Breaking Strength
.552							4/0, 6/1	7,685	4/0, 12W	9,483
.559					266.8, 18/1	7,100				
.563	4/0, 6/1	8,420	4/0, 7W	6,265						
.571									4/0EK	15,370
.573					300, 19W	5,301				
.574	250, 19W								250, 19W	11,360
.575	250, 37W	4,860					4/0, 15/4	10,870	250, 37W	11,560
.576	159, 12/7	15,200								
.583									4/0G	15,640
.586	266.8, 7W	4,780								
.593	266.8, 19W	4,810			300, 18/1	7,990				
.594	266.8, 37W									
.600									250, 12W	11,130
.603					336.4, 7W	5,885				
.607	176.9, 12/7	16,440			336.4, 19W	5,940				
.609	266.8, 18/1	7,100								
.613									4/0E	20,730
.618					350, 19W	6,185				
.621									250EK	17,840
.628	300, 19W	5,890			336.4, 18/1	8,950			300, 19W	13,510
.630	300, 37W	5,830							300, 37W	13,870
.631	190.8, 12/7	17,730								
.633	266.8, 6/7	9,645								
.642	266.8, 26/7	11,250	266.8, 19W	8,180						
.657									300, 12W	13,170
.660					397.5, 19W	6,880				
.664	211.3, 12/7	19,640								
.666	336.4, 19W	5,945							250E	23,920
.678									350, 19W	15,590
.679	350, 19W	6,180					336.4, 18/1	8,650		
.680	300, 26/7	12,650							300EK	20,960
.681	350, 37W	6,680							350, 37W	16,060
.682					397.5, 18/1	10,040				
.684	336.4, 18/1	8,950								
.700	300, 30/7	15,430								
.710									350, 12W	15,140
.714	203.2, 16/19	27,500								
.721	336.4, 26/7	14,050								
.722					477, 19W	8,090				
.724	397.5, 19W	6,885								
.726									400, 19W	17,560
.728	400, 37W	7,350							400, 37W	18,320
.729									300E	27,770
.735									350EK	23,850
.739					500, 19W	8,480				
.741	336.4, 30/7	17,040								
.742					477, 18/1	11,870				
.743	397.5, 18/1	10,400								
.770									450, 19W	19,750
.772	450, 37W	8,110							450, 37W	20,450
.780					556, 19W	9,440				
.782			397.5, 19W	11,840						
.783	397.5, 26/7	16,190								
.788									350E	32,420
.793	477, 19W	8,090								
.795	477, 37W	8,600								

BARE CONDUCTOR INFORMATION AWG OR KCMIL (continued)

Conductor Diameter (in.)	ACSR or All Aluminum	Rated Breaking Strength	Aluminum Alloy (5005-6201)	Rated Breaking Strength	Compacted ACSR or All Aluminum	Rated Breaking Strength	AWAC	Rated Breaking Strength	Copper or Copperweld Copper Composite	Rated Breaking Strength
.801					556.5, 18/1	13,850				
.806	397.5, 30/7	19,980								
.811	500, 19W	9,425							500, 19W	21,950
.813	500, 37W	9,010							500, 37W	22,510
.814	477, 18/1	12,300								
.834					636, 19W	10,790				
.846	477, 24/7	17,200								
.853									550, 37W	24,760
.855	500, 61W	10,490							550, 61W	25,230
.856	556, 19W	9,440								
.858	477, 26/7	19,430	477, 19W	13,450						
	556.5, 37W	9,835								
.862					636, 18/1	15,830				
.879	556.5, 18/1	14,300								
.883	477, 30/7	23,300								
.891									600, 37W	27,020
.893	600, 61W	11,450							600, 61W	27,530
.904	500, 30/7	24,450								
.914	556.5, 24/7	9,925								
.918	636, 37W	11,240								
.927	556.5, 26/7	19,850	556.5, 19W	15,680						
.928									650, 37W	29,130
.929	650, 61W	11,940							650, 61W	29,770
.932					795, 19W	16,540				
.940	636, 18/1	16,400								
.953	556.5, 30/7	27,200								
.953	605, 24/7	21,500								
.953	605, 54/7	22,500								
.962									700, 37W	31,170
.964	700, 61W	12,860							700, 61W	31,820
.966	605, 26/7	24,100								
.974	715.5, 37W	12,640								
.975	715.5, 61W	13,150								
.977	636, 24/7	22,600								
.977	636, 54/7	23,600								
.981					874.5, 37W	14,830				
.990	636, 26/7	25,000	636, 37W	19,110						
.994	605, 30/19	30,000			874.5, 36/1	17,900				
.997	750, 37W	14,430							750, 37W	33,400
.998	750, 61W	13,510							750, 61W	34,090
1.000	666.6, 24/7	23,700								
1.000	666.6, 54/7	24,500								
1.019	636, 30/19	30,500								
1.024					954, 37W	16,180				
1.026	795, 37W	13,770								
1.028	795, 61W	14,330								
1.029									800, 37W	35,120
1.031	800, 61W	14,410							800, 61W	36,360
1.039					954, 36/1	19,520				
1.040	795, 36/1	10,000								
1.051	715.5, 26/7	28,100								
1.061									850, 37W	37,310
1.062									850, 61W	38,270
1.063	795, 45/7	22,900								
1.077	874.5, 37W	14,840								
1.078	874.5, 61W	15,760								

BARE CONDUCTOR INFORMATION AWG OR KCMIL (continued)

Conductor Diameter (in.)	ACSR or All Aluminum	Rated Breaking Strength	Aluminum Alloy (5005-6201)	Rated Breaking Strength	Compacted ACSR or All Aluminum	Rated Breaking Strength	AWAC	Rated Breaking Strength	Copper or Copperweld Copper Composite	Rated Breaking Strength
1.081	715.5, 30/19	34,600								
1.092									900, 37W	39,510
1.093	795, 54/7	28,500								
1.094	900, 61W	15,900							900, 61W	40,520
1.108	795, 26/7	31,200	795, 37W	23,590						
1.124	954, 37W	16,180								
1.126	954, 61W	16,860								
1.140	795, 30/19	38,400								
1.146	874.5, 54/7	31,400								
1.151	1,000, 37W								1,000, 37W	43,830
1.152	1,000, 61W	17,670							1,000, 61W	45,030
1.162	900, 54/7	32,300								
1.165	954, 45/7	26,900								
1.170	1,033.5, 37W	17,530								
1.172	1,033.5, 61W	18,260								
1.196	954, 54/7	34,200								
1.213	1,033.5, 45/7	28,900								
1.216	1,113, 61W	19,670								
1.246	1,033.5, 54/7	37,100								
1.258	1,192.5, 61W	21,070								
1.259	1,113, 45/7	30,900								
1.288					1,468 36/1	30,000				
1.293	1,113, 54/19	40,200								
1.300	1,272, 61W	22,030								
1.302	1,192.5, 45/7	33,200								
1.333	1,192.5, 54/19	43,100								
1.340	1,351.5, 61W	23,400								
1.345	1,272, 45/7	35,400								
1.379	1,431, 61W	23,400								
1.382	1,272, 54/19	44,800								
1.417	1,510.5, 61W	25,630								
1.424	1,351.5, 54/19	47,600								
1.427	1,431, 45/7	39,800								
1.443	1,431, 54/19,	50,400								
	1,590, 61W	26,970								
1.454	1,590, 91W	28,100								
1.465	1,431, 54/19	50,400								
1.504	1,590, 45/7	43,800								
1.506	1,510.5, 54/19	53,300								
1.545	1,590, 54/19	56,000								
1.602	1,780, 84/19	53,600								
1.630	2,000, 91W	34,640								
1.823	2,500, 91W	42,410								
1.996	3,000, 127W	50,890								
2.158	3,500, 127W	59,380								

AWG / KCMIL VS. METRIC WIRE SIZES – OPTION 1

Circ. Mils Typical	AWG Size	Metric Wire Size mm ²	Equivalent Circ. Mils	Stranding/Wire Diameter per Strand		Approximate Overall Diameter	
				in.	mm	in.	mm
		0.50	987	1/.032	1/.813	.032	0.81
1020	20			7/.0121	7/.307	.036	0.91
		0.75	1480	1/.039	1/.991	.039	0.99
1620	18			1/.0403	1/1.02	.040	1.02
1620	18			7/.0152	7/.386	.046	1.16
		1.0	1974	1/.045	1/1.14	.045	1.14
		1.0	1974	7/.017	7/.432	.051	1.30
2580	16			1/.0508	1/1.29	.051	1.29
2580	16			7/.0192	7/.488	.058	1.46
		1.5	2960	1/.055	1/1.40	.055	1.40
		1.5	2960	7/.021	7/5.33	.063	1.60
4110	14			1/.0641	1/1.63	.064	1.63
4110	14			7/.0242	7/.615	.073	1.84
		2.5	4934	1/.071	1/1.80	.071	1.80
		2.5	4934	7/.027	7/.686	.081	2.06
6530	12			1/.0808	1/2.05	.081	2.05
6530	12			7/.0305	7/.775	.092	2.32
		4	7894	1/.089	1/2.26	.089	2.26
		4	7894	7/.034	7/.864	.102	2.59
10380	10			1/.1019	1/2.59	.102	2.59
10380	10			7/.0385	7/.978	.116	2.93
		6	11840	1/.109	1/2.77	.109	2.77
		6	11840	7/.042	7/.107	.126	3.21
13090	9			1/.1144	1/2.91	.1144	2.91
13090	9			7/.0432	7/1.10	.130	3.30
16510	8			1/.1285	1/3.26	.128	3.26
16510	8			7/.0486	7/1.23	.146	3.70
		10	19740	1/.141	1/3.58	.141	3.58
		10	19740	7/.054	7/1.37	.162	4.12
20820	7			1/.1443	1/3.67	.144	3.67
20820	7			7/.0545	7/1.38	.164	4.15
26240	6			1/.162	1/4.11	.162	4.11
26240	6			7/.0612	7/1.55	.184	4.66
		16	31580	7/.068	7/1.73	.204	5.18
33090	5			7/.0688	7/1.75	.206	5.24
41740	4			7/.0772	7/1.96	.232	5.88
		25	49340	7/.085	7/2.16	.255	6.48
		25	49340	19/.052	19/1.32	.260	6.60
52620	3			7/.0867	7/2.20	.260	6.61
66360	2			7/.0974	7/2.47	.292	7.42
		35	69070	7/.100	7/2.54	.300	7.62
		35	69070	19/.061	19/1.55	.305	7.75

AWG / KCMIL VS. METRIC WIRE SIZES – OPTION 1 (continued)

Circ. Mils Typical	AWG Size	Metric Wire Size mm ²	Equivalent Circ. Mils	Stranding/Wire Diameter per Strand		Approximate Overall Diameter	
				in.	mm	in.	mm
83690	1			19/.0664	19/1.69	.332	8.43
		50	98680	19/.073	19/1.85	.365	9.27
105600	1/0			19/.0745	19/1.89	.373	9.46
133100	2/0			19/.0837	19/2.13	.419	10.6
		70	138100	19/.086	19/2.18	.430	10.9
167800	3/0			19/.094	19/2.39	.470	11.9
167800	3/0			37/.0673	37/1.71	.471	12.0
		95	187500	19/.101	19/2.57	.505	12.8
		95	187500	37/.072	37/1.83	.504	12.8
211600	4/0			19/.1055	19/2.68	.528	13.4
		120	237.8 KCMIL	37/.081	37/2.06	.567	14.4
250 KCMIL				37/.0822	37/2.09	.575	14.6
300 KCMIL		150		37/.090	37/2.29	.630	16.0
350 KCMIL				37/.0973	37/2.47	.681	17.3
		185	365.1 KCMIL	37/.100	37/2.54	.700	17.8
400 KCMIL				37/.104	37/2.64	.728	18.5
		240	473.6 KCMIL	37/.114	37/2.90	.798	20.3
		240	473.6 KCMIL	61/.089	61/2.26	.801	20.3
500 KCMIL				37/.1162	37/2.95	.813	20.7
500 KCMIL				61/.0905	61/2.30	.814	20.7
		300	592.1 KCMIL	61/.099	61/2.51	.891	22.6
600 KCMIL				61/.0992	61/2.52	.893	22.7
700 KCMIL				61/.1071	61/2.72	.964	24.5
750 KCMIL				61/.1109	61/2.82	.998	25.4
750 KCMIL				91/.0908	91/2.31	.999	25.4
		400	789.4 KCMIL	61/.114	61/2.90	1.026	26.1
800 KCMIL				61/.1145	61/2.91	1.031	26.2
800 KCMIL				91/.0938	91/2.38	1.032	26.2
1000 KCMIL		500	986.8 KCMIL	61/.1280	61/3.25	1.152	29.3
1000 KCMIL				91/.1048	91/2.66	1.153	29.3
		625	1233.7 KCMIL	91/.117	91/2.97	1.287	32.7
1250 KCMIL				91/.1172	91/2.98	1.289	32.7
1250 KCMIL				127/.0992	127/2.52	1.290	32.8
1500 KCMIL				91/.1284	91/3.26	1.412	35.9
1500 KCMIL				127/.1087	127/2.76	1.413	35.9
		800	1578.8 KCMIL	91/.132	91/3.35	1.452	36.9
		1000	1973.5 KCMIL	91/.147	91/3.73	1.617	41.1
2000 KCMIL				127/.1255	127/3.19	1.632	41.5
2000 KCMIL				169/.1088	169/2.76	1.632	41.5

AWG / KCMIL VS. METRIC WIRE SIZES – OPTION 2

Approximate Overall Diameter		Circ. Mils	AWG Size	Metric Wire Size mm ²	Equivalent Circ. Mils	Stranding/ Wire Diameter per Strand	
in.	mm					in.	mm
.032	0.81			0.50	987	1/.032	1/.813
.036	0.91	1020	20			7/.0121	7/.307
.039	0.99			0.75	1480	1/.039	1/.991
.040	1.02	1620	18			1/.0403	1/1.02
.046	1.16	1620	18			7/.0152	7/.386
.045	1.14			1.0	1974	1/.045	1/1.14
.051	1.30			1.0	1974	7/.017	7/.432
.051	1.29	2580	16			1/.0508	1/1.29
.058	1.46	2580	16			7/.0192	7/.488
.055	1.40			1.5	2960	1/.055	1/1.40
.063	1.60			1.5	2960	7/.021	7/5.33
.064	1.63	4110	14			1/.0641	1/1.63
.073	1.84	4110	14			7/.0242	7/.615
.071	1.80			2.5	4934	1/.071	1/1.80
.081	2.06			2.5	4934	7/.027	7/.686
.081	2.05	6530	12			1/.0808	1/2.05
.092	2.32	6530	12			7/.0305	7/.775
.089	2.26			4	7894	1/.089	1/2.26
.102	2.59			4	7894	7/.034	7/.864
.102	2.59	10380	10			1/.1019	1/2.59
.116	2.93	10380	10			7/.0385	7/.978
.109	2.77			6	11840	1/.109	1/2.77
.126	3.21			6	11840	7/.042	7/.107
.1144	2.91	13090	9			1/.1144	1/2.91
.130	3.30	13090	9			7/.0432	7/1.10
.128	3.26	16510	8			1/.1285	1/3.26
.146	3.70	16510	8			7/.0486	7/1.23
.141	3.58			10	19740	1/.141	1/3.58
.162	4.12			10	19740	7/.054	7/1.37
.144	3.67	20820	7			1/.1443	1/3.67
.164	4.15	20820	7			7/.0545	7/1.38
.162	4.11	26240	6			1/.162	1/4.11
.184	4.66	26240	6			7/.0612	7/1.55
.204	5.18			16	31580	7/.068	7/1.73
.206	5.24	33090	5			7/.0688	7/1.75
.232	5.88	41740	4			7/.0772	7/1.96
.255	6.48			25	49340	7/.085	7/2.16
.260	6.60			25	49340	19/.052	19/1.32
.260	6.61	52620	3			7/.0867	7/2.20
.292	7.42	66360	2			7/.0974	7/2.47
.300	7.62			35	69070	7/.100	7/2.54
.305	7.75			35	69070	19/.061	19/1.55

AWG / KCMIL VS. METRIC WIRE SIZES – OPTION 2 (continued)

Approximate Overall Diameter		Circ. Mils	AWG Size	Size mm ²	Metric Wire Equivalent Circ. Mils	Stranding/ Wire Diameter per Strand	
in.	mm					in.	mm
.332	8.43	83690	1			19/.0664	19/1.69
.365	9.27			50	98680	19/.073	19/1.85
.373	9.46	105600	1/0			19/.0745	19/1.89
.419	10.6	133100	2/0			19/.0837	19/2.13
.430	10.9			70	138100	19/.086	19/2.18
.470	11.9	167800	3/0			19/.094	19/2.39
.471	12.0	167800	3/0			37/.0673	37/1.71
.505	12.8			95	187500	19/.101	19/2.57
.504	12.8			95	187500	37/.072	37/1.83
.528	13.4	211600	4/0			19/.1055	19/2.68
.567	14.4			120	237.8 KCMIL	37/.081	37/2.06
.575	14.6	250 KCMIL				37/.0822	37/2.09
.630	16.0	300 KCMIL		150		37/.090	37/2.29
.681	17.3	350 KCMIL				37/.0973	37/2.47
.700	17.8			185	365.1 KCMIL	37/.100	37/2.54
.728	18.5	400 KCMIL				37/.104	37/2.64
.798	20.3			240	473.6 KCMIL	37/.114	37/2.90
.801	20.3			240	473.6 KCMIL	61/.089	61/2.26
.813	20.7	500 KCMIL				37/.1162	37/2.95
.814	20.7	500 KCMIL				61/.0905	61/2.30
.891	22.6			300	592.1 KCMIL	61/.099	61/2.51
.893	22.7	600 KCMIL				61/.0992	61/2.52
.964	24.5	700 KCMIL				61/.1071	61/2.72
.998	25.4	750 KCMIL				61/.1109	61/2.82
.999	25.4	750 KCMIL				91/.0908	91/2.31
1.026	26.1			400	789.4 KCMIL	61/.114	61/2.90
1.031	26.2	800 KCMIL				61/.1145	61/2.91
1.032	26.2	800 KCMIL				91/.0938	91/2.38
1.152	29.3	1000 KCMIL		500	986.8 KCMIL	61/.1280	61/3.25
1.153	29.3	1000 KCMIL				91/.1048	91/2.66
1.287	32.7			625	1233.7 KCMIL	91/.117	91/2.97
1.289	32.7	1250 KCMIL				91/.1172	91/2.98
1.290	32.8	1250 KCMIL				127/.0992	127/2.52
1.412	35.9	1500 KCMIL				91/.1284	91/3.26
1.413	35.9	1500 KCMIL				127/.1087	127/2.76
1.452	36.9			800	1578.8 KCMIL	91/.132	91/3.35
1.617	41.1			1000	1973.5 KCMIL	91/.147	91/3.73
1.632	41.5	2000 KCMIL				127/.1255	127/3.19
1.632	41.5	2000 KCMIL				169/.1088	169/2.76

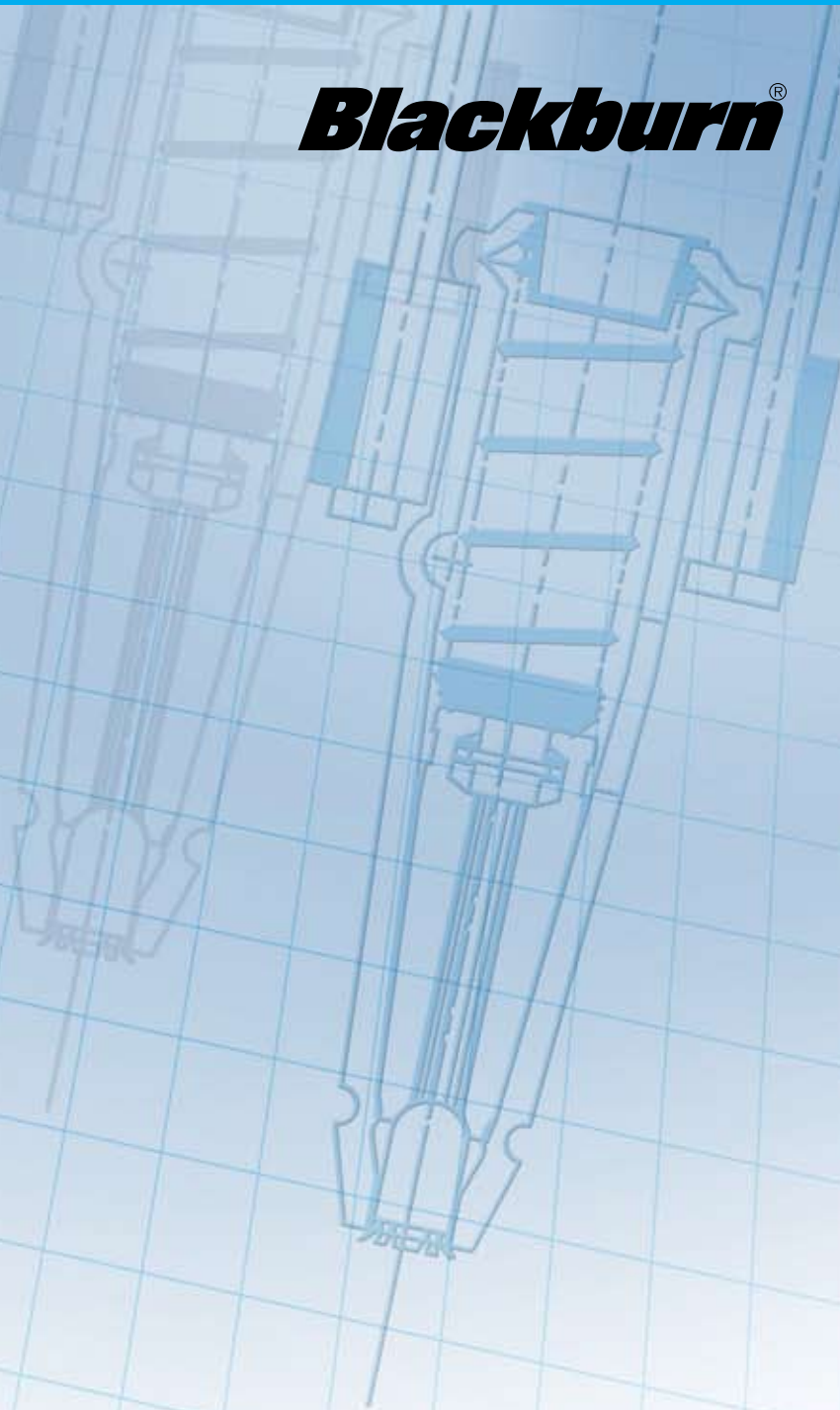
Catalog Number	Page Number	Catalog Number	Page Number	Catalog Number	Page Number	Catalog Number	Page Number
AC10-TB	21	ALS23	25	CF1010-1	13	DGC58-46	51
AC2-TB	21	ALS24	25	CF102-1	13	DGC58-66	51
AC20	21	ALS28	25	CF2020-1	13	DLC2106	46
AC205	21	ALS3	25	CF202-1	13	DLC23	46
AC266	21	ALS32	25	CF22-1	13	DLC25	46
AC30	21	ALS4	25	CF4010-1	13	EC-S8C	63
AC336	21	ALS44	25	CF402-1	13	G3	50
AC350	21	ALS5	25	CF4040-1	13	G4	50
AC397	21	ALS6	25	CF44-1	13	G5	50
AC4-BB	21	ALS60	25	CFS22-1	13	G6	50
AC40	21	ALS7	25	CFS44-1	13	GCA-1	56
AC477	21	ALS8	25	CS61	14	GCA-2	56
AC556	21	ALS9	25	CS62	14	GCA-3	56
AC6-TB	21	ATD1020CB	32	CS63	14	GG12	51
ACJ20	19	ATD1020FB	32	CS64	14	GG12H	51
ACJ205	19	ATD1020ZB	31	CS65	14	GG34H	51
ACJ266	19	ATD266336CB	32	CS66	14	GG58	51
ACJ336	19	ATD266336ZB	31	CS67	14	GG58H	51
ACJ350	19	ATD3040CB	32	CS68	14	GP100	53
ACJ397	19	ATD3040ZB	31	CS69	14	GP1003	53
ACJ40	19	ATD397477CB	32	CS70	14	GP1008	53
ACJ477	19	ATD397477ZB	31	CS71	14	GP110	53
ACJ556	19	ATD42CB	32	CS72	14	GP1108	53
AL10	24	ATD42FB	32	CS73	14	GP114	53
AL11	24	ATD42ZB	31	CS74	14	HLC2108	47
AL12	24	ATDG14	33	CS75	14	HLC2108AP9	47
AL16	24	ATDG38	33	CS76	14	HLC2108P	47
AL18	24	ATDG516	33	CS77	14	HLC3974	47
AL20	24	ATDG716	33	CS78	14	HLC3974AP	47
AL24	24	ATDG14-L	33	CS84	14	HLC3974P	47
AL28	24	ATDG38-L	33	CS85	14	ICS61-1	16
AL32	24	ATDG516-L	33	CSC61	14	ICS62-1	16
AL4	24	ATDG716-L	33	CSC62	14	ICS63-1	16
AL44	24	ATS10	30	CSC63	14	ICS64-1	16
AL5	24	ATS1020	30	CSC64	14	ICS65-1	16
AL581	25	ATS2	30	CSC65	14	ICS66-1	16
AL582	25	ATS20	30	CSC66	14	ICS67-1	16
AL583	25	ATS266336	30	CSC67	14	ICS68-1	16
AL584	25	ATS30	30	CSC68	14	ICS70-1	16
AL585	25	ATS3040	30	CSC69	14	ICS71-1	16
AL586	25	ATS397477	30	CSC70	14	ICS72-1	16
AL6	24	ATS4	30	CSC71	14	ICS73-1	16
AL60	24	ATS40	30	CSC72	14	ICS74-1	16
AL7	24	ATS42	30	CSC73	14	ICS75-1	16
AL8	24	ATS4-S	30	CSC74	14	ICS76-1	16
AL9	24	ATSG14	34	CSC75	14	ICS77-1	16
ALS1	25	ATSG516	34	CSC76	14	ICS78-1	16
ALS10	25	ATSG38	34	CSC77	14	IKL34	17
ALS11	25	ATSG716	34	CSC78	14	IKL35	17
ALS12	25	BPLT6BSCR	58	CSC84	14	IKL36	17
ALS13	25	BPLT14BSCR	58	CSC85	14	IKL44	17
ALS14	25	BPLT14BSCR-I	59	CTS27	23	IKL45	17
ALS15	25	BPLT15BSCR-B	59	CTS4	23	IKL46	17
ALS16	25	C2BB	14	CTS407	23	IKL47	17
ALS17	25	C5BB	14	CTS6	23	IKL54	17
ALS18	25	C7	14	CTS6ACW	23	IKL55	17
ALS19	25	C9	14	CTS8	23	IKL56	17
ALS2	25	C9L	14	DA15-U	59	IKL57	17
ALS20	25	CCS44	28	DGC58-44	51	IKL58	17

Catalog Number	Page Number	Catalog Number	Page Number	Catalog Number	Page Number	Catalog Number	Page Number
IKL64	17	PAA339	41	RC30	22	WR199	7
IKL65	17	PAA4	41	RC336	22	WR219	7
IKL66	17	PAA400	41	RC397	22	WR229	7
IKL67	17	PAA4009	41	RC40	22	WR239	7
IKL68	17	PAA49	41	RC45	22	WR259	7
IKL69	17	PAA5	41	RC477	22	WR269	7
JAB1	50	PAA59	41	RC4BB	22	WR279	6
JAB12	50	PAA6	41	RCJ10	20	WR289	6
JAB12H	50	PAA69	41	RCJ20	20	WR299	7
JAB1H	50	PAC345#	41	RCJ266	20	WR319	8
JAB34	50	PAC3459	41	RCJ30	20	WR339	8
JAB34C	50	PAC7	41	RCJ336	20	WR359	8
JAB34H	50	PAC79	41	RCJ397	20	WR369	8
JAB58	50	PAE-2121-9	42	RCJ40BB	20	WR379	6
JAB58H	50	PAE-2121X-79	42	RCJ477	20	WR389	8
JB12B	57	PAE-3921-9-2	42	RCJ477M	20	WR399	6
K1	43, 54	PAE-3931-9-2	42	RS2525	18	WR419	6
K2	43	PAE-3939-9-2	42	RS253	18	WR502	12
K3	43	PAE-4141-9	42	RS403	18	WR699	10
KL20-1	15	PAE-9921-9	42	RS4040	18	WR715	9
KL22-1	15	PAE-9939-9	42	RS4525	18	WR719	10
KL25-1	15	PAE-9941-9	42	RS4545	18	WR739	10
KL31-1	15	PAE-9999-9	42	RS8080	18	WR775	9
KL36-1	15	PBGW	53	SCD 41	27	WR779	10
KL45-1	15	PBH	53	SCN 50	27	WR799	10
KL46-1	15	PC250	43	SCO 02	27	WR815	9
KL47-1	15	PCS64	23	SCO 21	27	WR819	10
KL54-1	15	PCS67	23	SL5	63	WR835	9
KL55-1	15	PCS71	23	TBM10HC	57	WR839	10
KL56-1	15	PCS76	23	TR61	18	WR875	9
KL57-1	15	PGH29	47	TR63	18	WR879	10
KL58-1	15	PGH3	47	TR64	18	WR885	9
KL64-1	15	PGH39	47	TR65	18	WR889	10
KL65-1	15	PGH4	47	TR66	18	WR9	12
KL66-1	15	PGH49	47	TTC2	54	WR909	11
KL67-1	15	PGH6129	47	TTC2P	54	WR929	11
KL68-1	15	PGH69	47	TTC3	54	WR949	11
KL69-1	15	PKL31-1	23	TTC3P	54	WR969	11
LP10	28	PKL36-1	23	TTC4	54	WR989	11
LP2	28	PKL365-1	23	TTC4P	54	WR999	11
LP4	28	PKL46-1	23	W20-1	35	WRB1	63
MS4	40	PKL46S-1	23	W20-1B	35	WRQ152	26
OD58	56	PKL56-1	23	W20-1BFC	35	WRQ154	26
OD581	56	PKL58-1	23	W20-1FC	35	WRQ172	26
OD583	56	PKL66-1	23	W40-1	35	WRQ232	26
OD58L72	56	PKL68-1	23	W40-1B	35	WRQ352	26
ODB	56	PRS25N	23	W40-1BFC	35	WRQ698	26
ODB1	56	PRS30N	23	W40-1FC	35	WRS152	26
ODB3	56	PRS35N	23	W62-1	35	WRS154	26
ODBL72	56	PRS40N	23	W62-1B	35	WRS172	26
ODF	56	QCD 41	27	W62-1BFC	35	WRS232	26
ODF1	56	QCN 50	27	W62-1FC	35	WRS352	26
ODF3	56	QCO 02	27	W62D	35	WRS719	26
ODH1	56	QCO 21	27	WR1010	7	WRS819	26
PAA10	41	RC10	22	WR139	12	WWB1	63
PAA109	41	RC20	22	WR149	7	XT12	46
PAA12	41	RC205	22	WR159	6	XT13	46
PAA129	41	RC25	22	WR179	7	XT21	46
PAA29	41	RC2BB	22	WR189	6	XT22	46

Catalog Number	Page Number	Catalog Number	Page Number
XT23	46	40HPW	39
XT33	46	4B29	48
XT34	46	4B49	48
1000HPS	39	4H	38
1000M	38	4H3	38
1016BTB	53	4HPS	39
1016TB	53	4HPW	39
10H	38	4N	40
10HPS	39	4NPW	40
10HPW	39	500HPS	39
10N	40	500M	38
10NPW	40	50C	52
1H	38	50DS	52
1H3	38	50LC	52
1HPS	39	50LCNT	52
1HPW	39	50LDS	52
20H	38	60C	52
20HPS	39	60CNT2	52
20HPW	39	60DS	52
2B10	44	60DSNT	52
2B1000	44	64660	54
2B1000PW	45	64663	54
2B1000W	45	6B89	48
2B1000X	44	6H	38
2B10PW	45	6H3	38
2B10W	45	6HPS	39
2B10X	44	6HPW	39
2B20BB	44	6N	40
2B20PW	45	6NPW	40
2B20W	45	7019	27
2B20X	44	7020	27
2B350	44	7030	27
2B350PW	45	7030C	27
2B350W	45	70C	52
2B350X	44	70CNT	52
2B40	44	70DS	52
2B40PW	45	750HPS	39
2B40W	45	750M	38
2B40X	44	80C	52
2B500	44	80DS	52
2B500PW	45	8H	38
2B500W	45	8H3	38
2B500X	44	8HPS	39
2B800	44	9H	38
2B800PW	45	9HPS	39
2B800W	45		
2B800X	44		
2H	38		
2H3	38		
2HPS	39		
2HPW	39		
2NPW	40		
30H	38		
350HPS	39		
350M	38		
3H	38		
3H3	38		
40H	38		
40HPS	39		

POWER DELIVERY

Blackburn[®]



Thomas & Betts

Thomas & Betts Corporation
8155 T&B Blvd.
Memphis, TN 38125
Tel: (800) 888-0211
Fax: (800) 888-0690
www.tnb.com/utility

PG-BB-0307
©2007 Thomas & Betts