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Transmission and Distribution



Power Generation



Renewable Energy



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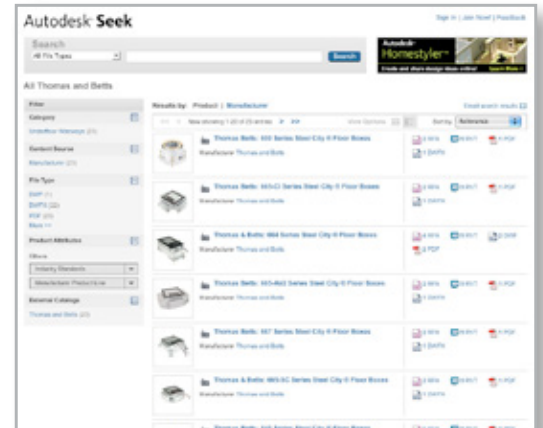
The T&B CAD Library is an on-line source of 2D and 3D CAD models, available FREE to customers who register. Users can download these files to their desktops for import into their working drawings. Drawings are offered in 90 of the most popular native file formats. This is a valuable tool for CAD designers, OEMs and engineering firms, as it will allow them to quickly locate and download T&B drawings into their projects. Over 4,000 drawings of T&B® Fittings, PMA® Cable Protection, Kindorf®, Red•Dot® and Superstrut® products and Steel City® and Carlon® Floor Boxes are currently available, and we're continually adding more products to the library.



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Now available to you through Autodesk® Seek ([seek.autodesk.com](http://seek.autodesk.com)), our BIM (Building Information Modeling) objects can easily be imported to your Revit® models. These BIM objects are fully standards compliant, Revit® Certified and completely configurable.

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# ***Homac® Underground***

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## Stud-Mount Transformer Connectors

The EZ Mount connector is used on padmount distribution transformers that have a 5/8" or 1" secondary bushing stud — one mounting hole accepts both sizes of studs without repositioning the connector!

### Aluminum Universal Quick-Disconnect Transformer Connectors

- Quick-disconnect connectors are easy to install or remove
- Dual-rated to accept aluminum or copper conductors
- Wide cable ranges provide connections for cables ranging from #6 to 500 kcmil and for street lights ranging from S/L #14 to #2
- Clear slide-on PVC insulating cover on EZC Series enables safe and time-saving installations and disconnects
- Meets or exceeds ANSI C119.4 specifications
- RUS Accepted



EZB 6500 SL

#### EZC Series Insulated In-Line Bar

CAT. NO.	CABLE RANGE	OUTLETS	LENGTH	STUD SIZE
EZC 4350 SL	#12–350, S/L #14–#2	4	6¾	% & 1
EZC 6350 SL		6	8¾	
EZC 8350 SL		8	10¾	
EZC 4500 SL	#6–500, S/L #14–#2	4	6¾	
EZC 6500 SL		6	8¾	
EZC 8500 SL		8	10¾	
EZC 8750 SL*		8	12¾	

\* Two set-screws per outlet.

**Note:** For oxide-inhibitor option, add "-C" suffix to the catalog number.  
 For additional sizes, please consult your Thomas & Betts representative.  
 For a single-phase kit containing one uninsulated and two insulated connectors, add "-1K" suffix to the catalog number.  
 For a three-phase kit containing one uninsulated and three insulated connectors, add "-3K" suffix to the catalog number.



EZC 6500 SL

#### EZB Series Uninsulated In-Line Bar

CAT. NO.	CABLE RANGE	OUTLETS	LENGTH	STUD SIZE
EZB 4350 SL	#12–350, S/L #14–#2	4	6¾	% & 1
EZB 6350 SL		6	8¾	
EZB 8350 SL		8	10¾	
EZB 4500 SL	#6–500, S/L #14–#2	4	6¾	
EZB 6500 SL		6	8¾	
EZB 8500 SL		8	10¾	
EZB 8750 SL*		8	12¾	

\* Two set-screws per outlet.

**Note:** For oxide-inhibitor option, add "-C" suffix to the catalog number.  
 For additional sizes, please consult your Thomas & Betts representative.



For EZ Torque® shear-head screws supplied in all outlets, add "-TS" suffix to the catalog number. Shear-head screw is available for both the stud locking screws as well as all 350 cable port screws.



## Stud-Mount Transformer Connectors

Choose from quick-disconnect or screw-on transformer connectors with clear PVC insulating covers.

### Aluminum Transformer Connectors — CSW and CSS Series

- Clear PVC insulating boot enables safe and time-saving installations and disconnects, and it features self-sealing wrench outlets and self-adjusting cable outlets
- Disconnectable — easy to install or remove
- Dual-rated to accept aluminum or copper conductors
- Wide cable ranges provide connections for cables ranging from #12 to 350 kcmil and from #6 to 500 kcmil
- Meets or exceeds ANSI C119.4 specifications
- RUS Accepted



CSS 6500

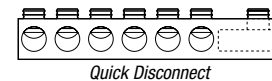


CSW 4350

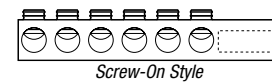
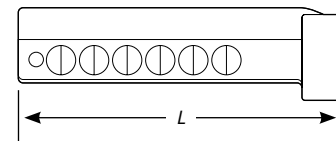
#### Aluminum Transformer Connectors

QUICK DISCONNECT CAT. NO.	SCREW-ON STYLE CAT. NO.	STUD SIZE	OUTLETS	INSULATOR LENGTH	CABLE RANGE
CSW 4350	CSS 4350	5/8	4	5 1/16	#12-350
CSW 6350	CSS 6350	5/8	6	7 1/16	
CSW 8350	CSS 8350	5/8	8	9 1/16	
CSW 4350-1	CSS 4350-1	1	4	11 1/16	
CSW 6350-1	CSS 6350-1	1	6	5 1/16	
CSW 8350-1	CSS 8350-1	1	8	7 1/16	
CSW 4500-58	CSS 4500-58	5/8	4	9 1/16	#2-500
CSW 6500-58	CSS 6500-58	5/8	6	11 1/16	
CSW 8500-58	CSS 8500-58	5/8	8	5 1/16	
CSW 4500	CSS 4500	1	4	7 3/16	
CSW 6500	CSS 6500	1	6	9 3/16	
CSW 8500	CSS 8500	1	8	11 3/16	

**Note:** For oxide-inhibitor option, add "-C" suffix to the catalog number.  
For streetlight-outlet option, add "-SL" suffix to the catalog number.



Quick Disconnect



Screw-On Style



For EZ Torque® shear-head screws supplied in all outlets, add "-TS" suffix to the catalog number. Shear-head screw is available for both the stud locking screws as well as all 350 cable port screws.

## Stud-Mount Transformer Connectors

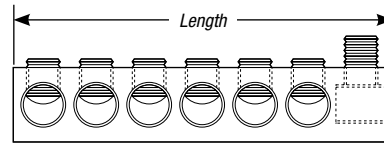
High-strength aluminum alloy maintains constant bolting pressure on conductors.

### Aluminum Quick-Disconnect Transformer Connectors — ABW In-Line Bar Series

- Quick disconnectability for easy removal from transformer secondary studs
- Dual-rated to accept aluminum or copper conductors
- Ball-bottom screws ensure maximum conductor contact pressure and break up interstrand oxides
- Meets or exceeds ANSI C119.4 specifications
- RUS Accepted



ABW 8500



#### ABW — In-Line Bar

CAT. NO.	OUTLETS	LENGTH	BOOT NO.	CABLE RANGE	STUD SIZE
ABW 240	2	3 <sup>3</sup> / <sub>8</sub>	SB 17	#6-250	<sup>5</sup> / <sub>8</sub>
ABW 340	3	3 <sup>3</sup> / <sub>8</sub>	SB 17		<sup>5</sup> / <sub>8</sub>
ABW 440	4	4 <sup>1</sup> / <sub>16</sub>	SB 17		<sup>5</sup> / <sub>8</sub>
ABW 540	5	5 <sup>1</sup> / <sub>2</sub>	SB 11		<sup>5</sup> / <sub>8</sub>
ABW 640	6	6 <sup>1</sup> / <sub>4</sub>	SB 11		<sup>5</sup> / <sub>8</sub>
ABW 740	7	7	SB 11		<sup>5</sup> / <sub>8</sub>
ABW 840	8	7 <sup>13</sup> / <sub>16</sub>	SB 14		<sup>5</sup> / <sub>8</sub>
ABW 2350	2	3 <sup>1</sup> / <sub>2</sub>	SB 17		#12-350
ABW 3350	3	4 <sup>1</sup> / <sub>2</sub>	SB 17	<sup>5</sup> / <sub>8</sub>	
ABW 4350	4	5 <sup>1</sup> / <sub>2</sub>	SB 17	<sup>5</sup> / <sub>8</sub>	
ABW 4350-1	4	6 <sup>9</sup> / <sub>16</sub>	SB 17	1	
ABW 5350	5	6 <sup>1</sup> / <sub>2</sub>	SB 11	<sup>5</sup> / <sub>8</sub>	
ABW 6350	6	7 <sup>1</sup> / <sub>2</sub>	SB 11	<sup>5</sup> / <sub>8</sub>	
ABW 6350-1	6	8 <sup>9</sup> / <sub>16</sub>	SB 11	1	
ABW 7350	7	8 <sup>1</sup> / <sub>2</sub>	SB 14	<sup>5</sup> / <sub>8</sub>	
ABW 8350	8	9 <sup>1</sup> / <sub>2</sub>	SB 2160	<sup>5</sup> / <sub>8</sub>	
ABW 8350-1	8	10 <sup>9</sup> / <sub>16</sub>	SB 2160	1	

CAT. NO.	OUTLETS	LENGTH	BOOT NO.	CABLE RANGE	STUD SIZE
ABW 2500	2	4 <sup>1</sup> / <sub>16</sub>	SB 2147	#6-500	1
ABW 3500	3	5 <sup>1</sup> / <sub>16</sub>	SB 2147		1
ABW 4500	4	6 <sup>1</sup> / <sub>16</sub>	SB 2163-38		1
ABW 5500	5	7 <sup>1</sup> / <sub>16</sub>	SB 2163-7		1
ABW 6500	6	8 <sup>1</sup> / <sub>16</sub>	SB 2157		1
ABW 7500	7	9 <sup>1</sup> / <sub>16</sub>	SB 2157		1
ABW 8500	8	10 <sup>1</sup> / <sub>16</sub>	SB 2160		1
ABW 2750	2	5 <sup>1</sup> / <sub>16</sub>	SB 2147		1/0-750
ABW 3750	3	6 <sup>1</sup> / <sub>16</sub>	SB 2163-38	1	
ABW 4750	4	7 <sup>3</sup> / <sub>4</sub>	SB 2120	1	
ABW 5750	5	9 <sup>1</sup> / <sub>8</sub>	SB 2157	1	
ABW 6750	6	10 <sup>1</sup> / <sub>2</sub>	SB 2160	1	
ABW 7750	7	11 <sup>13</sup> / <sub>16</sub>	SB 2160	1	
ABW 8750	8	13 <sup>3</sup> / <sub>8</sub>	SB 2163-10	1	

**Note:** For oxide-inhibitor option, add "-C" suffix to the catalog number.  
 For streetlight-outlet option, add "-SL" suffix to the catalog number.  
 For insulating boots, see **page A-34**.  
 For special applications and stud sizes, please consult your Thomas & Betts representative.



For EZ Torque® shear-head screws supplied in all outlets, add "-TS" suffix to the catalog number. Shear-head screw is available for both the stud locking screws as well as all 350 cable port screws.

## Stud-Mount Transformer Connectors

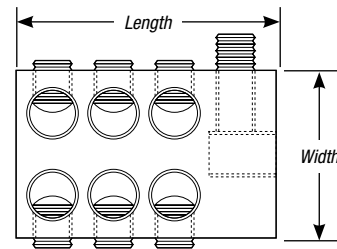
Dual-rated for aluminum or copper conductors.

### Aluminum Quick-Disconnect Transformer Connectors — ABW Double-Row Bar Series

- High-strength aluminum alloy maintains constant bolting pressure on conductors
- Quick disconnectability for easy removal from transformer secondary studs
- Ball-bottom screws ensure maximum conductor contact pressure and break up interstrand oxides
- Meets or exceeds ANSI C119.4 specifications
- RUS Accepted



ABW 350-33



#### ABW Series — Double-Row Bar

CAT. NO.	OUTLETS	LENGTH	WIDTH	BOOT NO.	CABLE RANGE	STUD SIZE
ABW 40-22	4	3½	2½	SB 16	#6-250	¾
ABW 40-33	6	4¼		SB 16		
ABW 40-44	8	5⅙		SB 16		
ABW 350-22	4	4		SB 16	#12-350	
ABW 350-33	6	4⅞		SB 16		
ABW 350-44	8	5⅙		SB 2163-38		
ABW 500-22	4	4⅞	2¾	SB 2151	#6-500	1
ABW 500-33	6	5⅞		SB 2158		
ABW 500-44	8	6⅞		SB 2158		
ABW 750-22	4	4¾		SB 2158	1/0-750	
ABW 750-33	6	6⅞		SB 2158		
ABW 750-44	8	7⅞		SB 2163-7		

**Note:** For oxide-inhibitor option, add "-C" suffix to the catalog number.  
 For streetlight-outlet option, add "-SL" suffix to the catalog number.  
 For insulating boots, see [page A-34](#).  
 For special applications and stud sizes, please consult your Thomas & Betts representative.



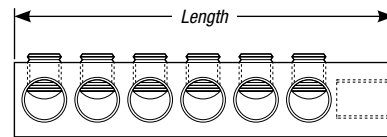
For EZ Torque® shear-head screws supplied in all outlets, add "-TS" suffix to the catalog number. Shear-head screw is available for both the stud locking screws as well as all 350 cable port screws.

## Stud-Mount Transformer Connectors

Disconnectability makes it easy to remove from transformer secondary threaded studs.

### Aluminum Screw-On Transformer Connectors — ABS In-Line Bar Series

- High-strength aluminum alloy maintains constant bolting pressure on conductors
- Dual-rated to accept aluminum or copper conductors
- Ball-bottom screws ensure maximum conductor contact pressure and break up interstrand oxides
- Meets or exceeds ANSI C119.4 specifications
- RUS Accepted



#### ABS Series — Single-Line Bar

CAT. NO.	BOOT NO.	STUD SIZE	OUTLETS	LENGTH	CABLE RANGE
ABS 240	Refer to T&B Rep	5/8	2	2 1/8	#12-350
ABS 340	Refer to T&B Rep	5/8	3	3 3/8	
ABS 440	SB 17	5/8	4	4 1/16	
ABS 540	SB 17	5/8	5	5 1/4	
ABS 640	SB 11	5/8	6	6	
ABS 740	SB 11	5/8	7	6 13/16	
ABS 840	SB 14	5/8	8	7 7/16	
ABS 2350	Refer to T&B Rep	5/8	2	3 1/4	#12-350
ABS 3350	SB 17	5/8	3	4 1/4	
ABS 4350	SB 17	5/8	4	5 1/4	
ABS 4350-1	SB 17	1	4	5 1/4	
ABS 5350	SB 17	5/8	5	6 1/4	
ABS 6350	SB 11	5/8	6	7 1/4	
ABS 6350-1	SB 11	1	6	7 1/4	
ABS 7350	SB 11	5/8	7	8 1/4	
ABS 8350	SB 14	5/8	8	9 1/4	
ABS 8350-1	SB 14	1	8	9 1/4	
ABS 2500	SB 17	1	2	3 13/16	#6-500
ABS 3500	SB 17	1	3	4 13/16	
ABS 4500	SB 17	1	4	5 13/16	
ABS 5500	SB 2120	1	5	6 13/16	
ABS 6500	SB 2157	1	6	7 13/16	
ABS 7500	SB 2157	1	7	8 13/16	
ABS 8500	SB 2160	1	8	9 13/16	
ABS 2750	SB 17	1	2	4 11/16	1/0-750
ABS 3750	SB 17	1	3	6	
ABS 4750	SB 2120	1	4	7 7/8	
ABS 5750	SB 2157	1	5	8 11/16	
ABS 6750	SB 2160	1	6	10 1/16	
ABS 7750	SB 2160	1	7	11 1/8	
ABS 8750	SB 2163-10	1	8	12 3/4	

**Note:** For oxide-inhibitor option, add "-C" suffix to the catalog number.

For streetlight-outlet option, add "-SL" suffix to the catalog number.

For insulating boots, see [page A-34](#).

For special applications and stud sizes, please consult your Thomas & Betts representative.



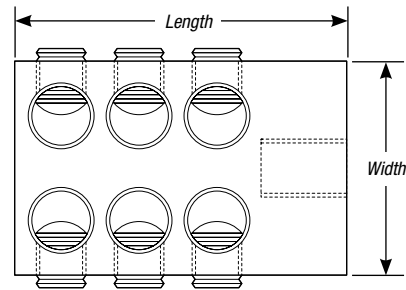
For EZ Torque® shear-head screws supplied in all outlets, add "-TS" suffix to the catalog number. Shear-head screw is available for all 350 cable port screws.

## Stud-Mount Transformer Connectors

Ball-bottom screws ensure maximum conductor contact pressure and break up interstrand oxides.

### Aluminum Screw-On Transformer Connectors — ABS Double-Row Bar Series

- High-strength aluminum alloy maintains constant bolting pressure on conductors
- Disconnectability for easy removal from transformer secondary threaded studs
- Dual-rated to accept aluminum or copper conductors
- Meets or exceeds ANSI C119.4 specifications
- RUS Accepted



#### ABS Series — Double-Line Bar

CAT. NO.	BOOT NO.	STUD SIZE	OUTLETS	LENGTH	CABLE RANGE
ABS 40-22	SB 16	3/8"	4	3 1/16"	#6-250
ABS 40-33	SB 16		6	3 3/8"	
ABS 40-44	SB 16		8	4 1 1/16"	
ABS 350-22	SB 16	1/2"	4	3 3/8"	#12-350
ABS 350-33	SB 16		6	4 1/2"	
ABS 350-44	SB 16		8	5 7/16"	
ABS 500-22	SB 2151	1"	4	3 15/16"	#6-500
ABS 500-33	SB 2151		6	4 15/16"	
ABS 500-44	SB 2163-6		8	5 15/16"	
ABS 750-22	SB 2151	1 1/4"	4	4 1/4"	1/0-750
ABS 750-33	SB 2163-6		6	5 3/16"	
ABS 750-44	SB 2163-6		8	6 15/16"	

**Notes:** For oxide-inhibitor option, add "-C" suffix to the catalog number.

For streetlight-outlet option, add "-SL" suffix to the catalog number.

For insulating boots, see [page A-34](#).

For special applications and stud sizes, please consult your Thomas & Betts representative.



For EZ Torque® shear-head screws supplied in all outlets, add "-TS" suffix to the catalog number.

## Stud-Mount Transformer Connectors

### Dual-rated solutions.

#### Aluminum Universal Quick-Disconnect Transformer Connectors — RAU Series

- Space-saving compact size also reduces cantilever stress on bushings
- Universal connector fits both  $\frac{5}{8}$ " and 1" studs.
- RUS Accepted

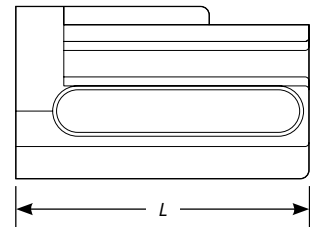
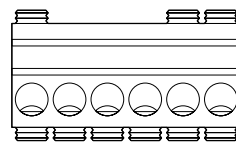
##### RAU Series Connectors

CAT. NO.	OUTLETS	INSULATOR LENGTH	CABLE RANGE
RAU 4500	4	5 $\frac{1}{2}$ "	#6-500
RAU 6500	6	6 $\frac{1}{2}$ "	
RAU 8500	8	8 $\frac{1}{2}$ "	

*Note:* For oxide-inhibitor option, add "-C" suffix to the catalog number.  
 For streetlight-outlet option, add "-SL" suffix to the catalog number.  
 For see-through insulator option, add "w/cover" suffix to the catalog number.



RAU 6500



### Get left-hand or right-hand installation capability.

#### Aluminum Quick-Disconnect Transformer Connectors — LRTR Series

- Disconnectable — easy to install or remove and fully insulated with EPDM rubber
- Dual-rated to accept aluminum or copper conductors

##### LRTR Series Connectors

CAT. NO.	OUTLETS	L	WIRE SIZE	STUD SIZE
LRTR 4	4	7	#12-350	$\frac{5}{8}$ "
LRTR 6	6	9		
LRTR 8	8	11		
LRTR 4W*	4	7		
LRTR 6W*	6	9		
LRTR 8W*	8	11		

\* Watertight cable and screw ports.

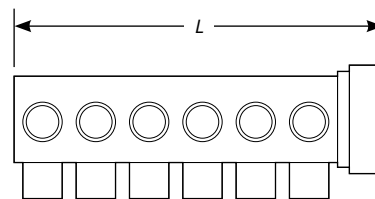
*Note:* For oxide-inhibitor option, add "-C" suffix to the catalog number.



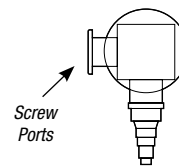
For EZ Torque® shear-head screws supplied in all outlets, add "-TS" suffix to the catalog number. Shear-head screw is available for both the stud locking screws as well as all 350 cable port screws.



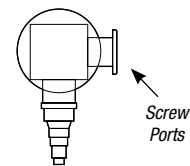
LRTR 8



End View



Left Hand



Right Hand

## Stud-Mount Transformer Connectors

See more of what you're doing.™

### Aluminum Quick-Disconnect Transformer Connectors — CLRTR Series

- Clear PVC enables safe and time-saving installations and disconnects — and provides insulation
- Versatile design enables right- or left-hand installation
- Dual-rated to accept aluminum or copper conductors
- RUS Accepted



CLRTR 6

#### CLRTR Series Connectors

CAT. NO.	OUTLETS	STUD SIZE	CONDUCTOR RANGE
CLRTR 4	4	3/8"	#12–350
CLRTR 6	6		#12–350
CLRTR 45-58	4	1"	#6–500
CLRTR 65-58	6		#6–500

**Note:** For oxide-inhibitor option, add "-C" suffix to the catalog number.  
For streetlight-outlet option, add "-SL" suffix to the catalog number.

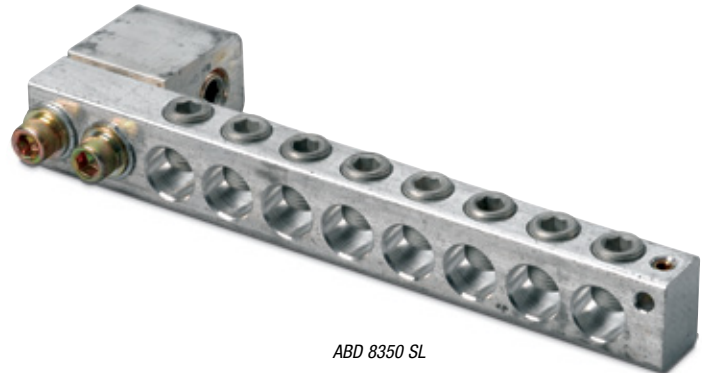


For EZ Torque® shear-head screws supplied in all outlets, add "-TS" suffix to the catalog number. Shear-head screw is available for both the stud locking screws as well as all 350 cable port screws.

## Dual-rated and street light ready.

### Aluminum Quick-Disconnect Transformer Connectors — ABD Series

- #14 to #4 street light outlet provides added versatility to make an additional connection
- Meets or exceeds ANSI C119.4 specifications
- RUS Accepted



ABD 8350 SL

#### ABD Series Connectors

CAT. NO.	OUTLETS	STUD SIZE	CONDUCTOR RANGE
ABD 4350 SL	4	3/8"	#12–350
ABD 6350 SL	6		
ABD 8350 SL	8		
ABD 4350-1 SL	4	1"	#12–350
ABD 6350-1 SL	6		
ABD 8350-1 SL	8		

*Double-row configuration.*

**Note:** For oxide-inhibitor option, add "-C" suffix to the catalog number.



For EZ Torque® shear-head screws supplied in all outlets, add "-TS" suffix to the catalog number.

## Stud-Mount Transformer Connectors

The adapter made for the ABD Series.

### AD Series Adapter

- 5/8" or 1" stud sizes
- Compatible with ABD Series (see [previous page](#))

#### AD Series Adapter

CAT. NO.	STUD SIZE
AD 58	5/8"
AD 1	1"



AD 58

Clearly the best deadfront connector.

### Aluminum Quick-Disconnect Transformer Connectors — LRT Series

- Clear, see-through PVC insulator, rated for 480V, enables safe and time-saving installations and disconnects
- Insulates two, four, six or eight outlet connectors
- Versatile design enables right- or left-hand installation
- Integral wrench outlet covers mean no lost parts
- Dual-rated to accept aluminum or copper conductors
- Meets or exceeds ANSI C119.4 specifications
- RUS Accepted



LRT 6350

#### Aluminum Quick-Disconnect Transformer Connectors

CAT. NO.	OUTLETS	INSULATOR LENGTH	WIRE RANGE
LRT 2350	2	7 1/4"	#12-350
LRT 4350	4		
LRT 6350	6	10 1/4"	
LRT 8350	8		

*Note:* For oxide-inhibitor option, add "-C" suffix to the catalog number.



For EZ Torque® shear-head screws supplied in all outlets, add "-TS" suffix to the catalog number. Shear-head screw is available for both the stud locking screws as well as all 350 cable port screws.



## Stud-Mount Transformer Connectors

The EZ Mount connector is used on padmount distribution transformers that have a 5/8" or 1" secondary bushing stud — one mounting hole accepts both sizes of studs without repositioning the connector.

### Aluminum Universal Quick-Disconnect Transformer Connectors — ZVW-EZSL and Z-EZSL Series

- Tri-contact design distributes force more evenly than existing stud mounting configurations or other multi-stud designs, resulting in higher, more uniform contact force on the threads
- Design also eliminates the chance of movement
- Dual stud locking screws fully engage on either stud size, maximizing the engagement force on the stud
- Compact Zeebar® design halves cantilever stress and doubles cable capacity
- Easy to install, because 5/16" hex wrench does it all — including the street light outlet
- Truly universal — both series fit 5/8" or 1" studs
- Made from aluminum for high strength and high conductivity
- Quick-disconnect connectors are easy to install or remove
- #14 to #2 street light outlet provides added versatility to make an additional connection
- Meets or exceeds ANSI C119.4 specifications
- RUS Accepted



ZVW 4023 EZSL



Z 4023 EZSL

#### ZVW-EZSL Series with Clear PVC Lock-On Insulating Cover

CAT. NO.	OUTLETS	CONDUCTOR RANGE	STUD SIZE
ZVW 4023 EZSL	6	#12–350	5/8" & 1"
ZVW 5033 EZSL	8		
ZVW 4025 EZSL	6	#6–500	
ZVW 5035 EZSL	8		

**Note:** For oxide-inhibitor option, add "-C" suffix to the catalog number.  
For a kit containing one uninsulated and two insulated connectors, add "-K" suffix to the catalog number.

#### Z-EZSL Series with Optional Clear PVC Drop-On Insulating Cover

CAT. NO.	OUTLETS	BOOT NO.	CONDUCTOR RANGE	STUD SIZE
Z 4023 EZSL	6	EZ 5912-3	#12–350	5/8" & 1"
Z 5033 EZSL	8	EZ 5912-7		
Z 4025 EZSL	6	EZ 5912-3	#6–500	
Z 5035 EZSL	8	EZ 5912-7		

**Note:** For oxide-inhibitor option, add "-C" suffix to the catalog number.  
A cover can also be installed on the Z-EZSL Series.  
For details, please consult your Thomas & Betts representative.



For EZ Torque® shear-head screws supplied in all outlets, add "-TS" suffix to the catalog number. Shear-head screw is available for both the stud locking screws as well as all 350 cable port screws.

## Stud-Mount Transformer Connectors

See-through, lock-on insulated boots make them the clear choice for secondary transformer connectors.

### Aluminum Universal Quick-Disconnect Transformer Connectors — ZVW-USL, ZVW-SL and ZVW-1 SL Series

- Compact Zeebar® design halves cantilever stress and doubles cable capacity
- Easy to install with all screws on top
- A  $\frac{5}{16}$ " hex wrench does it all — including the street light outlet
- ZVW-USL Series fits both  $\frac{5}{8}$ " or 1" studs; series are also available each for  $\frac{5}{8}$ " and 1" studs
- Dual-rated to accept copper or aluminum conductors
- Ball-bottom screws ensure maximum conductor contact pressure and break up interstrand oxides
- Meets or exceeds ANSI C119.4 specifications
- RUS Accepted

#### ZVW-USL Series

CAT. NO.	OUTLETS	L	CONDUCTOR RANGE	STUD TYPE
ZVW 3033 USL	6	$5\frac{1}{8}$ "	#12-350	5/8 & 1
ZVW 4043 USL	8	$6\frac{1}{8}$ "	#12-350	
ZVW 3035 USL	6	$5\frac{11}{16}$ "	#6-500	
ZVW 4045 USL	8	$6\frac{13}{16}$ "	#6-500	
ZVW 3037 USL	6	$6\frac{1}{8}$ "	1/0-750	
ZVW 4047 USL	8	$7\frac{1}{8}$ "	1/0-750	

**Note:** For oxide-inhibitor option, add "-C" suffix to the catalog number.  
For a kit containing one uninsulated and two insulated connectors, add "-K" suffix to the catalog number.

#### ZVW-SL Series

CAT. NO.	OUTLETS	L	CONDUCTOR RANGE	STUD TYPE
ZVW 2044 SL	6	$3\frac{1}{16}$ "	#12-4/0	5/8
ZVW 3054 SL	8	$4\frac{1}{4}$ "		
ZVW 4064 SL	10	5"		
ZVW 2043-58 SL	6	$4\frac{3}{8}$ "	#12-350	5/8
ZVW 3053-58 SL	8	$5\frac{1}{8}$ "		

**Note:** For oxide-inhibitor option, add "-C" suffix to the catalog number.  
For a kit containing one uninsulated and two insulated connectors, add "-K" suffix to the catalog number.



#### ZVW-1 SL Series

CAT. NO.	OUTLETS	L	CONDUCTOR RANGE	STUD TYPE
ZVW 4023-1 SL	6	$4\frac{3}{4}$ "	#12-350	1
ZVW 5033-1 SL	8	$5\frac{3}{4}$ "		
ZVW 4025-1 SL	6	$5\frac{1}{8}$ "	#6-500	
ZVW 5035-1 SL	8	$6\frac{1}{4}$ "		

**Note:** For oxide-inhibitor option, add "-C" suffix to the catalog number.  
For a kit containing one uninsulated and two insulated connectors, add "-K" suffix to the catalog number.



For EZ Torque® shear-head screws supplied in all outlets, add "-TS" suffix to the catalog number. Shear-head screw is available for both the stud locking screws as well as all 350 cable port screws.

## Stud-Mount Transformer Connectors

Compact secondary transformer connectors with a street light outlet.

### Aluminum Universal Quick-Disconnect Transformer Connectors — Z-USL, Z-SL and Z-1 SL Series

- Compact Zeebar® design halves cantilever stress and doubles cable capacity
- Easy to install with all screws are on top
- A  $\frac{5}{16}$ " hex wrench does it all — including the street light outlet
- Z-USL Series fits both  $\frac{5}{8}$ " or 1" studs; series are also available each for  $\frac{3}{8}$ " and 1" studs
- Dual-rated to accept copper or aluminum conductors
- Ball-bottom screws ensure maximum conductor contact pressure and break up interstrand oxides
- Meets or exceeds ANSI C119.4 specifications
- RUS Accepted



Z 4045 USL



Z 2043-58 SL



Z 5033-1 SL

#### Z-USL Series

CAT. NO.	OUTLETS	L	H	CONDUCTOR RANGE	STUD TYPE
Z 3033 USL	6	$5\frac{1}{8}$	$2\frac{3}{8}$	#12-350	$\frac{5}{8}$ & 1
Z 4043 USL	8	$6\frac{3}{8}$		#6-500	
Z 3035 USL	6	$5\frac{11}{16}$	1/0-750		
Z 4045 USL	8	$6\frac{1}{16}$			
Z 3037 USL	6	$6\frac{1}{16}$	$3\frac{3}{8}$	1/0-750	
Z 4047 USL	8	$7\frac{1}{16}$			

**Note:** For oxide-inhibitor option, add "-C" suffix to the catalog number.  
For insulating boot, please consult your Thomas & Betts representative.

#### Z-SL Series

CAT. NO.	OUTLETS	L	H	CONDUCTOR RANGE	STUD TYPE
Z 2044 SL	6	$3\frac{1}{16}$	$1\frac{1}{16}$	#12-4/0	$\frac{5}{8}$
Z 3054 SL	8	$4\frac{3}{4}$		#12-350	
Z 4064 SL	10	5			
Z 2043-58 SL	6	$4\frac{1}{4}$			
Z 3053-58 SL	8	$5\frac{1}{4}$	$2\frac{3}{8}$		

**Note:** For oxide-inhibitor option, add "-C" suffix to the catalog number.  
For insulating boot, please consult your Thomas & Betts representative.

#### Z-1 SL Series

CAT. NO.	OUTLETS	L	H	CONDUCTOR RANGE	STUD TYPE
Z 4023-1 SL	6	$4\frac{3}{4}$	$2\frac{3}{8}$	#12-350	1
Z 5033-1 SL	8	$5\frac{3}{4}$		#6-500	
Z 4025-1 SL	6	$5\frac{1}{8}$			
Z 5035-1 SL	8	$6\frac{1}{4}$			

**Note:** For oxide-inhibitor option, add "-C" suffix to the catalog number.  
For insulating boot, please consult your Thomas & Betts representative.



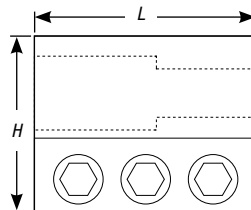
For EZ Torque® shear-head screws supplied in all outlets, add "-TS" suffix to the catalog number. Shear-head screw is available for both the stud locking screws as well as all 350 cable port screws.

## Stud-Mount Transformer Connectors

Compact design halves cantilever stress and doubles cable capacity, lessening the occurrence of leaky bushings.

### Aluminum Universal Quick-Disconnect Transformer Connectors — LRT-UW, LRT-UX and LRT-U Series

- LRT-UW Series features fully insulated transformer connector to protect connections
- LRT-UX Series features clear deadfront insulator for safe and time-saving installations and disconnects; locks in place by raised set screws or installation of the first conductor
- EPDM rubber cable adapters accommodate #12 solid to 250 kcmil conductors
- RUS Accepted



LRT 44 UW



LRT 44 UX



LRT 33 U

CAT. NO.	CABLE RANGE	OUTLETS	STUD SIZE	L	H
<b>LRT-UW Series — Fully Insulated with Flood-Seal® Rockets</b>					
LRT 33 UW	#12-350	6	5/8 & 1	3	2 1/2
LRT 44 UW		8		4	
<b>LRT-UX Series — Fully Insulated</b>					
LRT 33 UX	#12-350	6	5/8 & 1	4	4 3/8
LRT 44 UX		8			
<b>LRT-U Series — Bare Bar</b>					
LRT 33 U	#12-350	6	5/8 & 1	3	2 1/2
LRT 44 U		8		4	

*Note:* For oxide-inhibitor option, add "-C" suffix to the catalog number.  
For a clear PVC insulating cover, see **below**.

Clear insulating boot protects connections.

### Clear PVC Insulating Cover for LRT Series

- Accommodates six- and eight-outlet connectors for 5/8" or 1" studs

CAT. NO.	L	H
CBB 3344	4	4 1/4



CBB 3344

## Stud-Mount Transformer Connectors

Compact design halves cantilever stress and doubles cable capacity.

### Aluminum Quick-Disconnect Transformer Connectors — LRT-W, LRT-X and LRT Series

- LRT-W Series features fully insulated transformer connector to protect connections
- LRT-X Series features clear deadfront insulator for safe and time-saving installations and disconnects; locks in place by raised set screws or installation of the first conductor
- RUS Accepted



LRT 4458 W



LRT 4458 X



LRT 2258

CAT. NO.	CABLE RANGE	OUTLETS	STUD SIZE	L	H
<b>LRT-W Series — Fully Insulated with Flood-Seal® Rockets</b>					
LRT 2258 W	#12-350	4	5/8"	2	2 1/2"
LRT 3358 W		6		3	
LRT 4458 W		8		4	
LRT 2210 W		4	1"	2	
LRT 3310 W		6		3	
LRT 4410 W		8		4	
<b>LRT-X Series — Fully Insulated</b>					
LRT 2258 X	#12-350	4	5/8"	2	4 3/4"
LRT 3358 X		6		3	
LRT 4458 X		8		4	
LRT 2210 X		4	1"	2	
LRT 3310 X		6		3	
LRT 4410 X		8		4	
<b>LRT Series — Bare Bar</b>					
LRT 2258	#12-350	4	5/8"	2	2 1/2"
LRT 3358		6		3	
LRT 4458		8		4	
LRT 2210		4	1"	2	
LRT 3310		6		3	
LRT 4410		8		4	

**Note:** For oxide-inhibitor option, add "-C" suffix to the catalog number.  
For a clear PVC insulating cover, see **below**.

Clear insulating boot protects connections.

### Clear PVC Insulating Cover for LRT Series

- Accommodates six- and eight-outlet connectors for 5/8" or 1" studs to match the transformer connector you have



CBB 3344

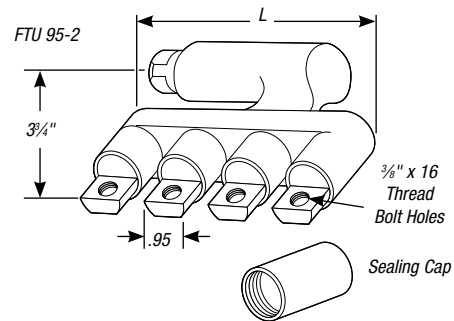
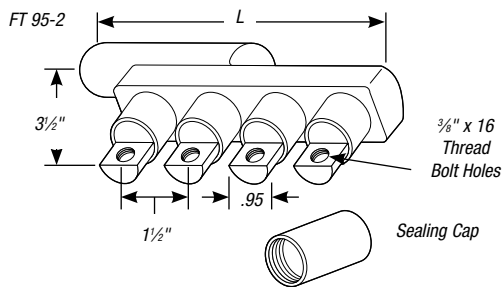
CAT. NO.	L	H
CBB 3344	4	4 3/4

## Stud-Mount Transformer Connectors

For use with aluminum or copper lugs up to 350 kcmil.

### Aluminum Flood-Seal® 95 Series Screw-On Transformer Connectors

- PVC-insulated aluminum body keeps out moisture while maintaining high conductivity
- Internal/external threaded bushing adapter included with FTU 95 series enables removal of connector without disassembling individual cables
- Dual-rated for use with aluminum or copper lugs from #8 to 350 kcmil
- All Flood-Seal® connectors comply with ANSI C119.4 standards



#### FT 95 Series

CAT. NO.	OUTLETS	L	STUD SIZE	
FT 95-2	2	4	5/8	
FT 95-3	3	5 1/2		
FT 95-4	4	7		
FT 95-5	5	8 1/2		
FT 95-6	6	10		
FT 95-44*	8	7		
FT 95-55*	10	8 1/2		
FT 95-66*	12	10		
FT 95-2-1	2	4		1
FT 95-3-1	3	5 1/2		
FT 95-4-1	4	7		
FT 95-5-1	5	8 1/2		
FT 95-6-1	6	10		
FT 95-44-1*	8	7		
FT 95-55-1*	10	8 1/2		
FT 95-66-1*	12	10		

\* Double-row configuration.

**Note:** All Transformer Connectors include a jam nut and EPDM rubbing bushing stud cover. All outlets except one are factory-sealed with removable sealing caps. For complete assembly with CS 2011 insulating rockets, add "-AWR" suffix to the catalog number. For other accessories, see [page A-44](#).

#### FTU 95 Series with Disconnectable Bushing Adapter

CAT. NO.	OUTLETS	L	STUD SIZE	
FTU 95-2	2	4	5/8	
FTU 95-3	3	5 1/2		
FTU 95-4	4	7		
FTU 95-5	5	8 1/2		
FTU 95-6	6	10		
FTU 95-44*	8	7		
FTU 95-55*	10	8 1/2		
FTU 95-66*	12	10		
FTU 95-2-1	2	4		1
FTU 95-3-1	3	5 1/2		
FTU 95-4-1	4	7		
FTU 95-5-1	5	8 1/2		
FTU 95-6-1	6	10		
FTU 95-44-1*	8	7		
FTU 95-55-1*	10	8 1/2		
FTU 95-66-1*	12	10		

### CS 2011 Flood-Seal® Rockets Sold Separately



CS 2011

## Stud-Mount Transformer Connectors

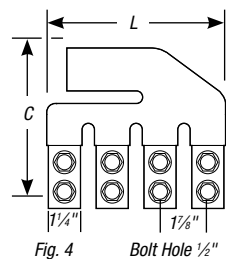
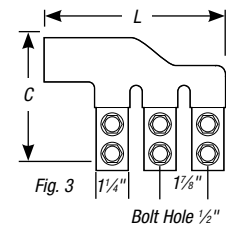
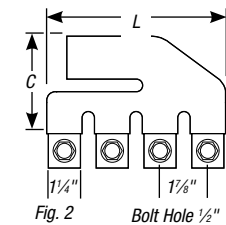
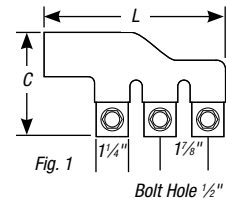
For use with aluminum or copper lugs up to 500 kcmil.

### Aluminum Flood-Seal® 125 Series Screw-On Transformer Connectors

- Heavy PVC-insulated aluminum body keeps out moisture while maintaining high conductivity
- Offset handle design positions cable weight close to tank wall
- Outlets equipped with 1/2" hex-head bolts with captive Belleville washers accept standard one-hole or two-hole NEMA aluminum or copper lugs
- Comply with ANSI C119.4 specifications
- RUS Accepted



FTU 125-5



CAT. NO.	FIGURE NO.	C	L†	OUTLETS	STUD SIZE
FTU 125-2	1	3 5/8	4 3/8	2	5/8
FTU 125-3	1	3 5/8	6 3/8	3	
FTU 125-4	2	5 5/16	7 3/8	4	
FTU 125-5	2	5 5/16	9	5	
FTU 125-6	2	5 5/16	10 3/4	6	
FTU 125-44*	2	5 5/16	7 3/8	8	
FTU 1-125-2	1	3 5/8	4 3/8	2	1
FTU 1-125-3	1	3 5/8	6 3/8	3	
FTU 1-125-4	2	5 5/16	7 3/8	4	
FTU 1-125-5	2	5 5/16	9	5	
FTU 1-125-6	2	5 5/16	10 3/4	6	
FTU 1-125-44*	2	5 5/16	7 3/8	8	

CAT. NO.	FIGURE NO.	C	L†	OUTLETS	STUD SIZE
FTU 2 N	3	5 5/8	4 3/8	2	5/8
FTU 3 N	3	5 5/8	6 3/8	3	
FTU 4 N	4	6 15/16	7 3/8	4	
FTU 5 N	4	6 15/16	9	5	
FTU 6 N	4	6 15/16	10 3/4	6	
FTU 44 N*	4	6 15/16	7 3/8	8	
FTU 1-2 N	3	5 5/8	4 3/8	2	1
FTU 1-3 N	3	5 5/8	6 3/8	3	
FTU 1-4 N	4	6 15/16	7 3/8	4	
FTU 1-5 N	4	6 15/16	9	5	
FTU 1-6 N	4	6 15/16	10 3/4	6	
FTU 1-44 N*	4	6 15/16	7 3/8	8	

\* Double-row configuration. † L is the same for 1-hole and 2-hole versions.

**Note:** For complete assembly with CS 2011 insulating rockets, add "-AWR" suffix to the FTU catalog number.

For complete assembly with CSN 2011 insulating rockets, add "-AWR" suffix to the FTU-N catalog number.

For other accessories, see pages A-45-A-46.

All Transformer Connectors include threaded bushing adapter, bushing stud cover, jam nut and lug mounting hardware.

### Flood-Seal® Rockets Sold Separately



### Stud Adapter Kit

- Works with 5/8" and 1" stud sizes
- Compatible with Flood-Seal® 95 and 125 Series Screw-On Transformer Connectors

CAT. NO.	STUD SIZE
2135 K	5/8
2250-1 K	1

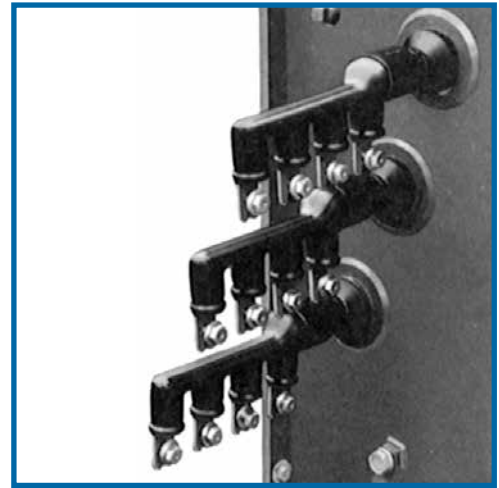
**Note:** Includes Stud Cover and Jam Nut.

## Stud-Mount Transformer Connectors

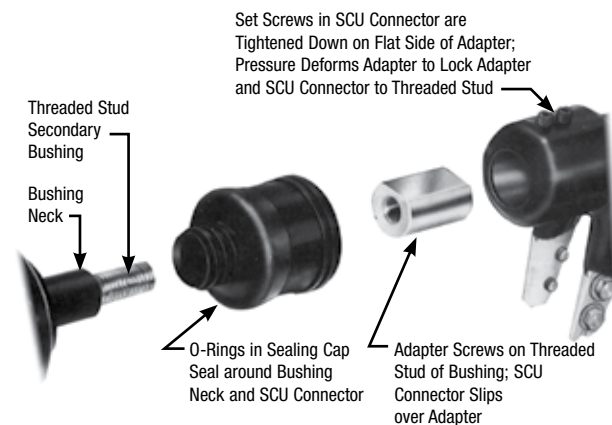
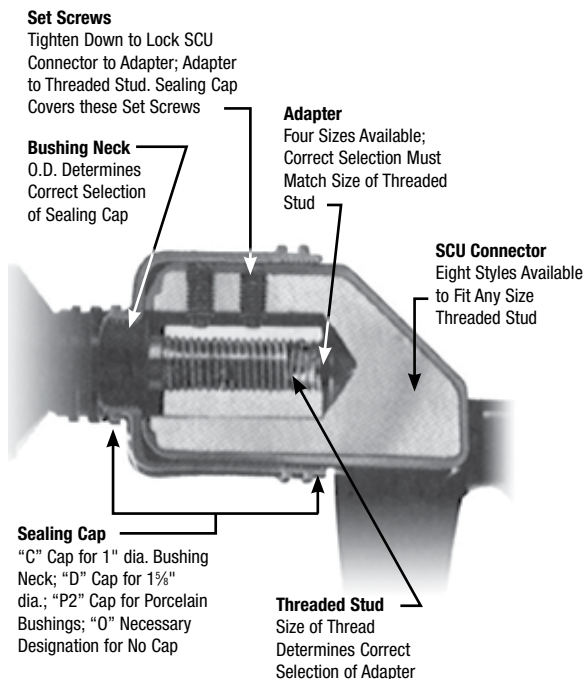
Removable connector is designed for a pad-mount or submersible transformer's threaded-stud secondary bushings.

### Submersible Transformer Bus

- Made of cast aluminum alloy and insulated with PVC coating to provide high strength and keep out moisture
- Fits #6 stranded through 500 kcmil aluminum conductors
- Select Squid® Sealing Sleeves (**page A-48**) for each tap make the transformer bus completely submersible and deadfront
- Connector can be detached from the transformer without disconnecting the attached conductors
- Supplied with Sems-type  $\frac{3}{8}$ " plated steel bolt with captive Belleville washer; use Slotted-Tang Compression Terminal Lugs (**page D-16**)
- Indents on terminals mate with boss on Slotted-Tang Compression Terminal Lugs to prevent lugs from rotating



**Type P2 Cap**  
For Porcelain Bushings



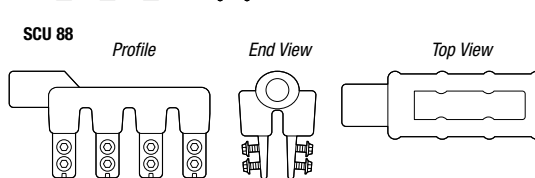
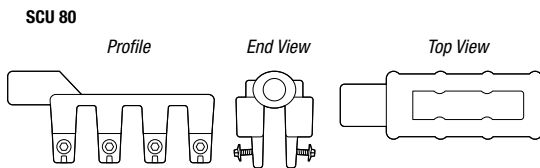
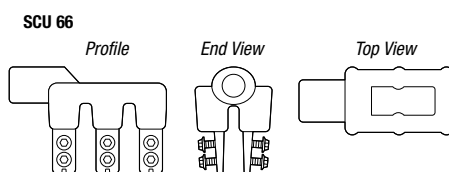
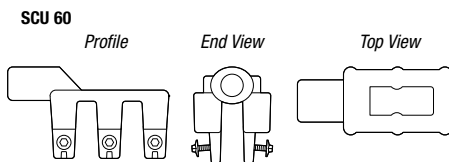
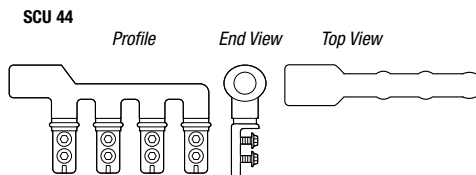
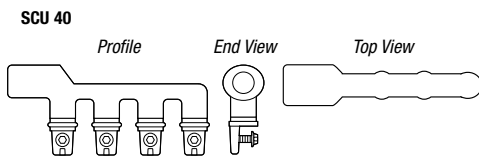
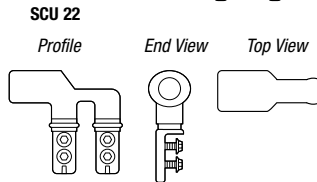
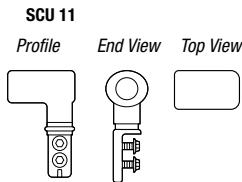
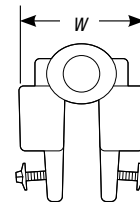
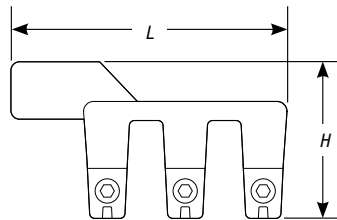
**Note:** For streetlight tap option, add "-S" suffix to catalog number.  
Adapters are available that match the thread on the bushing stud.  
Sealing Caps are available that match the diameter of the bushing neck.  
An example of an order with a straight tap option is SCU 44-S-A 10BB-C.



# Stud-Mount Transformer Connectors

## Submersible Transformer Bus

CAT. NO.	WIRE RANGE	FOR STUD THREAD	NO. OF TERMINALS	BOLTS PER TERMINAL	DIMENSIONS IN. (MM)		
					L	H	W
SCU 11	#4-500	1-14, ½-11	1	2	3.6 (90)	5.7 (144)	2.3 (57)
SCU 22	#4-500		2	2	5.8 (146)	5.7 (144)	2.3 (57)
SCU 40	#6-350		4	1	9.1 (230)	4.7 (120)	2.3 (57)
SCU 44	#4-500		4	2	10 (254)	5.7 (144)	2.3 (57)
SCU 60	#6-350		6	1	7.9 (200)	4.8 (122)	3.5 (89)
SCU 66	#4-500		6	2	8.1 (204.8)	5.6 (143)	3.2 (81)
SCU 80	#6-350		8	1	10 (254)	4.8 (122)	3.5 (89)
SCU 88	#4-500		8	2	10.2 (259)	5.6 (143)	4 (102)



### Adapters

CAT. NO.	FOR STUD THREAD
A 10 BB	1-14
A 58	½-11

### Sealing Caps

CAT. NO.	FOR STUD THREAD
C	1
D	1½
P 2	For porcelain bushings
O	Must be designated if no sealing cap desired

## Stud-Mount Transformer Connectors

Adapters for cable-to-stud connections.

### Copper Screw-On Transformer Stud Adapters

- Made from pure electrolytic copper for high conductivity
- Marked with crimp area, installing dies and wire size for easy identification



2043-10

#### Screw-On Stud Adapters

CAT. NO.	STUD SIZE	CABLE SIZE
2043-1	5/8-11	350
2043-2	1/2-13	350
2043-3	3/8-16	350
2043-4	1-14	350
2043-5	3/4-16	4/0
2043-6	1-8	350
2043-7	1/2-13	4/0
2043-8	1/2-13	250
2043-9	5/8-11	250
2043-10	5/8-11	500

*Note: For variations or unlisted sizes, please consult your Thomas & Betts representative.*

## Pad-Mount Transformer Connectors

Adapters for NEMA pad-style connections.

### Copper Tin-Plated Transformer Stud Adapters

- Made from pure electrolytic copper for high conductivity
- Tin plated to resist corrosion
- Dual-rated to accept standard aluminum or copper NEMA lugs



#### Four-Hole Transformer Stud Adapters

CAT. NO.	STUD SIZE
2042-1	5/8-11
2042-2	1-14
2042-3	1 1/2-13

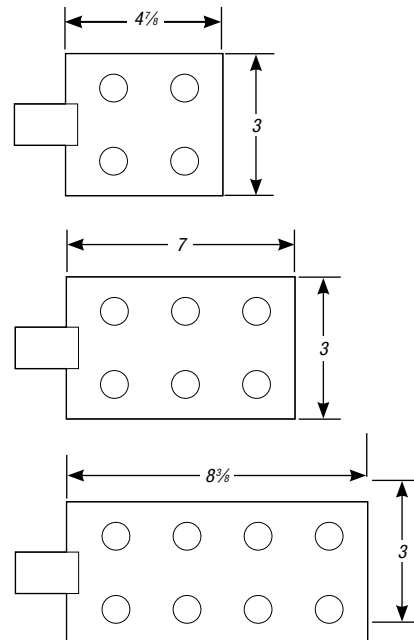
*Note: For variations or unlisted sizes, please consult your Thomas & Betts representative.*

#### Six-Hole Transformer Stud Adapters

CAT. NO.	STUD SIZE
2042-4	5/8-11
2042-5	1-14
2042-6	1 1/4-12
2042-7	1 1/2-12

#### Eight-Hole Transformer Stud Adapters

CAT. NO.	STUD SIZE
2042-8	5/8-11
2042-9	1-14
2042-10	1 1/4-12
2042-11	1 1/2-12



## Pad-Mount Transformer Connectors

The slide-out Keeper minimizes the hassle and hazards of forcing cables into closed ports.

### Aluminum Lay-In Transformer Spade Connectors — ABK™ and AK™ Series

- Require only a cable stripper and Allen hex wrench — no crimping tools or dies or other special tools needed for installation
- Transformer changes require only the connector to be unbolted from the spade — no need to disconnect all the conductors, as with compression systems
- Dual-rated to use with aluminum or copper cable
- Double set screws maximize contact area and mechanical characteristics
- Ball-bottom screws ensure even force distribution in the cable/connector interface
- RUS Accepted



ABK 1750



ABK 3750



AK 600 N

#### ABK™ Series

CAT. NO.	OUTLETS	CABLE RANGE	LENGTH	HEIGHT	MOUNT HOLES
ABK 1600 DS	1	#2-600	1 <sup>41</sup> / <sub>64</sub>	6	2
ABK 4600 DS	4		6		4
ABK 6600 DS	6	1/0-750	8 <sup>29</sup> / <sub>32</sub>	6 <sup>3</sup> / <sub>16</sub>	8
ABK 1750	1		1 <sup>53</sup> / <sub>64</sub>		2
ABK 2750	2		3 <sup>15</sup> / <sub>16</sub>		4
ABK 3750	3		5 <sup>3</sup> / <sub>32</sub>		6
ABK 4750	4		6 <sup>47</sup> / <sub>64</sub>		8
ABK 6750	6		10		12
ABK 8750	8		13 <sup>1</sup> / <sub>2</sub>		16
ABK 11000	1		1 <sup>5</sup> / <sub>8</sub>		2
ABK 11000 SSN*	1		1 <sup>5</sup> / <sub>8</sub>		2
ABK 21000	2		3 <sup>5</sup> / <sub>8</sub>		4
ABK 31000	3	1/0-1000	5 <sup>15</sup> / <sub>16</sub>	6	
ABK 41000	4		7	8	
ABK 61000	6		10 <sup>3</sup> / <sub>8</sub>	16	
ABK 81000	8		13 <sup>3</sup> / <sub>4</sub>	18	

\* Slotted pad holes.

**Note:** For tin-plating option, add "-TN" suffix to the catalog number.

#### ABK™ ML Series — Tall Pad Design

CAT. NO.	OUTLETS	CABLE RANGE	LENGTH	HEIGHT	MOUNT HOLES
ABK 1750-ML	1	1/0-750	1 <sup>53</sup> / <sub>64</sub>	8 <sup>1</sup> / <sub>2</sub>	3
ABK 2750-ML	2		3 <sup>15</sup> / <sub>16</sub>		6
ABK 3750-ML	3		5 <sup>3</sup> / <sub>32</sub>		9
ABK 4750-ML	4		6 <sup>47</sup> / <sub>64</sub>		12
ABK 6750-ML	6		10		18
ABK 8750-ML	8		13 <sup>1</sup> / <sub>2</sub>		24

#### AK™ Series

CAT. NO.	OUTLETS	CABLE RANGE
AK 600 N	1	#2-600

## Pad-Mount Transformer Connectors

Save time and labor by placing cables into the Keeper slot.

### Aluminum Lay-In Transformer Spade Connectors — ABK™ 1000 and ABK™ 7024 Series

- Cables are easily placed into the keeper slot to minimize the hassle and hazards of having to force cables into the closed cable ports found on conventional mechanical connectors — you save time and labor
- ABK™ 7024 Series comes standard with street light outlet and stainless steel mounting hardware
- Require only a cable stripper and Allen hex wrench — no crimping tools or dies or other special tools are needed for installation
- Transformer changes require only the connector to be unbolted from the spade — no need to disconnect all the conductors, as with compression systems
- Dual-rated for use with aluminum or copper cable
- Ball-bottom screws ensure even force distribution in the cable/connector interface
- RUS Accepted



ABK 441000



ABK 881-7024



ABK 81-7024 L

#### ABK™ 1000 Series — Back-To-Back

CAT. NO.	OUTLETS	CONDUCTOR RANGE
ABK 221000	4	1/0–1000
ABK 331000	6	
ABK 441000	8	
ABK 661000	12	
ABK 881000	16	

**Note:** For oxide-inhibitor option, add “-C” suffix to the catalog number. For SB Series insulating covers, see [page F-436](#).

#### ABK™ 7024 Series — Single Row

CAT. NO.	OUTLETS	CONDUCTOR RANGE
ABK 81-7024 R	8	1/0–1000
ABK 81-7024 L	8	

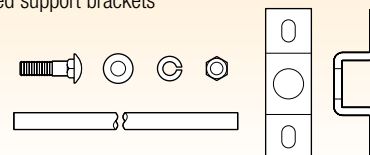
#### ABK™ 7024 Series — Back-To-Back

CAT. NO.	OUTLETS	CONDUCTOR RANGE
ABK 881-7024	16	1/0–1000

#### ABK™ 7024 Series Support Kit

The best components to make your ABK 7024 connections!

- (1) 30" fiberglass support rod
- (4) 1/2"–13 stainless steel carriage bolts
- (4) 1/2" stainless steel flat washers
- (4) 1/2" stainless steel lock washers
- (4) 1/2" silicone bronze nuts
- (2) tin-plated support brackets

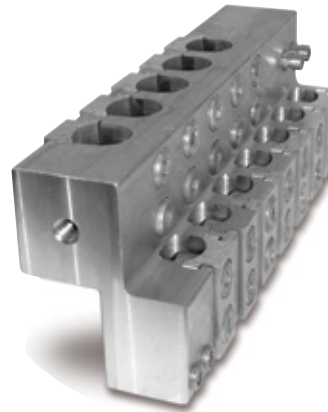


## Pad-Mount Transformer Connectors

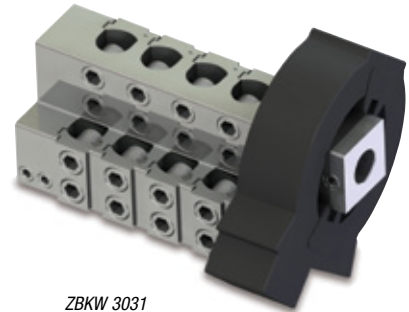
Get two times the cable capacity in the same length.

### Aluminum Quick-Disconnect Lay-In Transformer Connectors — ZBKW™ Series

- Cables are easily placed into the Keeper slot to minimize the hassle and hazards of having to force cables into the closed cable ports found on conventional mechanical connectors — you save time and labor
- Compact Zeebar® design halves cantilever stress and doubles cable capacity
- EZ Torque® stud screws make mounting to the transformer stud easy and shear off at the proper torque
- Made from aluminum for high strength and high conductivity
- Dual-rated for use with aluminum or copper cable
- Quick disconnects make connector easy to install or remove
- Wide cable range provides connections for cables ranging from 1/0 to 1000 kcmil
- Two #12 to 1/0 street light outlets provide added versatility for additional connections
- RUS Accepted



ZBKW 2041



ZBKW 3031

#### ZBKW™ 2 SLM Series

CAT. NO.	CONDUCTOR RANGE	OUTLETS	SIZE
ZBKW 2041-1-2 SLM	1/0–1000 main, (2) #12–1/0 street light	6	8.2
ZBKW 2041-1-2 SLRM		6	8.2
ZBKW 3051-1-2 SLM		8	9.9
ZBKW 3051-1-2 SLRM		8	9.9
ZBKW 4061-1-2 SLM		10	11.5
ZBKW 4061-1-2 SLRM		10	11.5
ZBKW 5071-1-2 SLM		12	13.2
ZBKW 5071-1-2 SLRM		12	13.2

Includes 1" transformer stud, two street light outlets and mounting support provision.

#### ZBKW™ 2 SLCTM Series

CAT. NO.	CONDUCTOR RANGE	OUTLETS	SIZE
ZBKW 3031-1-2 SLCTM	1/0–1000 main, (2) #12–1/0 streetlight	6	9.9
ZBKW 3031-1-2 SLRCTM		6	9.9
ZBKW 3041-1-2 SLCTM		8	11.5
ZBKW 3041-1-2 SLRCTM		8	11.5

Includes 1" transformer stud, two streetlight outlets, current transformer and mounting support provision.

Note: For 1/4" stud, change "-1" suffix to "-1.25." For 1/2" stud, change "-1" suffix to "-1.5."

## Pad-Mount Transformer Connectors

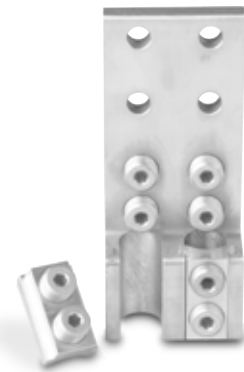
Compact Zeebar® design halves cantilever stress and doubles cable capacity.

### Aluminum Lay-In Transformer Spade Connectors — ZBK™ Series

- Slide-out Keeper minimizes the hassle and hazards of having to force cables into the closed cable ports found on conventional mechanical connectors — you save time and labor
- Easy transformer change out connector can be unbolted from the spade without the need to disconnect the service conductors
- Made from aluminum for high strength and high conductivity
- Dual-rated for use with aluminum or copper cable
- Wide cable range provides connections for cables ranging from 1/0 kcmil to 750 kcmil or from 1/0 to 1000 kcmil
- RUS Accepted



ZBK 6067



ZBK 4047

#### ZBK™ Series

CAT. NO.	CONDUCTOR RANGE	OUTLETS	MOUNT HOLES
ZBK 1017	1/0-750	2	2
ZBK 2027		4	4
ZBK 3037		6	6
ZBK 4047		8	8
ZBK 6067		12	12
ZBK 8087		16	16
ZBK 2021	1/0-1000	4	4
ZBK 3031		6	6
ZBK 4041		8	8
ZBK 6061		12	12
ZBK 8081		16	16

**Note:** For oxide-inhibitor option, add "-C" suffix to the catalog number.

For SB Series insulating boots, see [page A-34](#).

For tin-plating option, add "-TN" suffix to the catalog number.

## Pad-Mount Transformer Connectors

High-strength aluminum alloy maximizes electrical and mechanical performance.

### Aluminum Transformer Spade Connectors — ABT™ Single Set-Screw Series

- Ball-bottom screws ensure maximum conductor contact pressure and break up interstrand oxides
- Dual-rated to accept copper or aluminum conductors
- Meets or exceeds ANSI C119.4 specifications



ABT 4350-48



ABT 6350

#### ABT™ Series — Single-Row Mounting Holes

CAT. NO.	OUTLETS	LENGTH	MOUNTING HOLES	CONDUCTOR RANGE
ABT 440-48	4	4¾	3	#6-250
ABT 640-48	6	5½ <sup>1</sup> / <sub>16</sub>	4	
ABT 840-48	8	7½ <sup>1</sup> / <sub>16</sub>	4	#12-350
ABT 4350-48	4	4 <sup>5</sup> / <sub>8</sub>	3	
ABT 6350-48	6	6½	4	#6-500
ABT 8350-48	8	8¼	5	
ABT 4500-48	4	4 <sup>9</sup> / <sub>16</sub>	3	#6-500
ABT 6500-48	6	6½	4	
ABT 8500-48	8	9¼	6	

**Note:** For oxide-inhibitor option, add "-C" suffix to the catalog number.  
 For SB Series insulating covers, see [page A-34](#).  
 For tin-plating option, add "-TN" suffix to the catalog number.

#### ABT™ Series — Double-Row Mounting Holes

CAT. NO.	OUTLETS	LENGTH	MOUNTING HOLES	CONDUCTOR RANGE
ABT 440	4	4¾	6	#6-250
ABT 640	6	5½ <sup>1</sup> / <sub>16</sub>	8	
ABT 840	8	7½ <sup>1</sup> / <sub>16</sub>	8	#12-350
ABT 2350	2	3	4	
ABT 3350	3	3	4	#6-500
ABT 4350	4	4 <sup>5</sup> / <sub>8</sub>	6	
ABT 6350	6	6½	8	#6-500
ABT 8350	8	8¼	10	
ABT 2500	2	3	4	#6-500
ABT 3500	3	3	4	
ABT 4500	4	4 <sup>9</sup> / <sub>16</sub>	6	
ABT 5500	5	5 <sup>23</sup> / <sub>32</sub>	8	
ABT 6500	6	6½	8	
ABT 8500	8	9¼	12	

**Note:** For oxide-inhibitor option, add "-C" suffix to the catalog number.  
 For SB Series insulating covers, see [page A-34](#).  
 For tin-plating option, add "-TN" suffix to the catalog number.



## Pad-Mount Transformer Connectors

High-strength aluminum alloy maximizes electrical and mechanical performance.

### Aluminum Transformer Spade Connectors — ABT™ Double Set-Screw Series

- Ball-bottom screws ensure maximum conductor contact pressure and break up interstrand oxides
- Dual-rated to accept copper or aluminum conductors
- Meets or exceeds ANSI C119.4 specifications



ABT 4500 DS

Homac® Underground

#### ABT™ Series — Double-Set Screw

CAT. NO.	OUTLETS	LENGTH	MOUNTING HOLES	CONDUCTOR RANGE
ABT 1500 DS	1	1¼	2	#6–500
ABT 2500 DS	2	3	4	
ABT 3500 DS	3	3⅝	4	
ABT 4500 DS	4	4¾	6	
ABT 5500 DS	5	5 <sup>23</sup> / <sub>32</sub>	8	
ABT 6500 DS	6	6½	8	
ABT 8500 DS	8	9 <sup>9</sup> / <sub>16</sub>	12	1/0–750
ABT 1750	1	1½	2	
ABT 2750	2	3	4	
ABT 3750	3	4¾	6	
ABT 4750	4	6½	8	
ABT 5750	5	6½	8	
ABT 6750	6	8¼	10	1/0–1000
ABT 8750	8	10 <sup>11</sup> / <sub>16</sub>	12	
ABT 11000	1	1¼	2	
ABT 21000	2	3	4	
ABT 31000	3	4¾	6	
ABT 41000	4	6½	8	
ABT 61000	6	9¾	12	
ABT 81000	8	12¼	12	

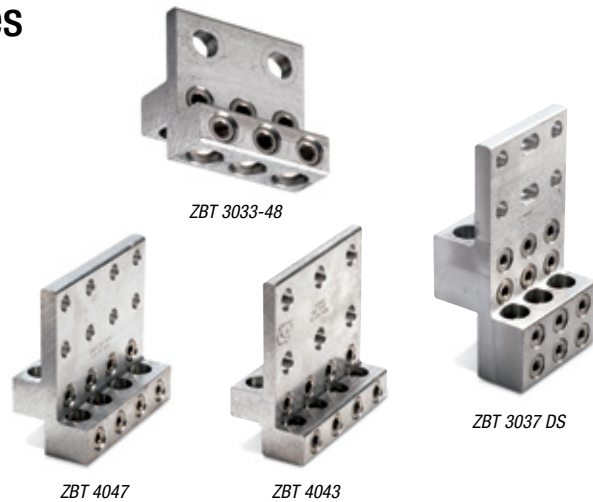
**Note:** For oxide-inhibitor option, add “-C” suffix to the catalog number.  
 For tin-plating option, add “-TN” suffix to the catalog number.  
 For SB Series insulating covers, see [page A-34](#).

## Pad-Mount Transformer Connectors

The quicker-installation alternatives to compression lugs.

### Aluminum Transformer Spade Connectors — ZBT™ Series

- Compact Zeebar® design halves cantilever stress and doubles cable capacity
- High-strength aluminum alloy maximizes electrical and mechanical performance
- Ball-bottom screws ensure maximum conductor contact pressure and break up interstrand oxides
- Dual-rated to accept copper or aluminum conductors
- Meets or exceeds ANSI C119.4 specifications



#### ZBT™ Series — Single-Row Mounting Holes

CAT. NO.	CABLE RANGE	OUTLETS	LENGTH	MOUNTING HOLES
ZBT 1013-48	#12–350	2	3 <sup>1</sup> / <sub>32</sub>	1
ZBT 2023-48		4	2	1
ZBT 3033-48		6	3	2
ZBT 4043-48		8	4 <sup>3</sup> / <sub>4</sub>	3
ZBT 5053-48		10	4 <sup>3</sup> / <sub>4</sub>	3
ZBT 6063-48		12	6 <sup>1</sup> / <sub>2</sub>	4

#### ZBT™ Series — Double-Row Mounting Holes

CAT. NO.	CABLE RANGE	OUTLETS	LENGTH	MOUNTING HOLES
ZBT 1013	#12–350	2	3 <sup>1</sup> / <sub>32</sub>	2
ZBT 2023		4	2	2
ZBT 3033		6	3	4
ZBT 4043		8	4 <sup>3</sup> / <sub>4</sub>	6
ZBT 5053		10	4 <sup>3</sup> / <sub>4</sub>	6
ZBT 6063		12	6 <sup>1</sup> / <sub>2</sub>	8
ZBT 1017	1/0–750	2	1 <sup>5</sup> / <sub>8</sub>	2
ZBT 2027		4	3	4
ZBT 4047		8	6 <sup>1</sup> / <sub>2</sub>	8
ZBT 5057		10	8 <sup>1</sup> / <sub>4</sub>	10
ZBT 6067		12	8 <sup>1</sup> / <sub>4</sub>	10
ZBT 8087		16	11	12
ZBT 1717 DS*		2	1 <sup>5</sup> / <sub>8</sub>	2
ZBT 2027 DS*		4	3	4
ZBT 4047 DS*		8	6 <sup>1</sup> / <sub>2</sub>	8
ZBT 5057 DS*		10	8 <sup>1</sup> / <sub>4</sub>	10
ZBT 6067 DS*	12	8 <sup>1</sup> / <sub>4</sub>	10	
ZBT 8087 DS*	16	11	12	
ZBT 1011*	1/0–1000	2	1 <sup>5</sup> / <sub>8</sub>	2
ZBT 2021*		4	3 <sup>3</sup> / <sub>16</sub>	4
ZBT 3031*		6	5	6
ZBT 4041*		8	6 <sup>1</sup> / <sub>16</sub>	8
ZBT 8081*		16	13 <sup>7</sup> / <sub>16</sub>	16

\*Two set-screws per outlet.

Note: For oxide-inhibitor option, add "-C" suffix to the catalog number.

For SB Series insulating covers, see page A-34.

For tin-plating option, add "-TN" suffix to the catalog number.

## Pad-Mount Transformer Connectors

For installations on standard NEMA spade terminals.

### Aluminum Transformer Spade Connectors — ABN™ Series

- High-strength aluminum alloy maximizes electrical and mechanical performance
- Dual-rated to accept aluminum or copper conductors
- Ball-bottom screws ensure maximum conductor contact pressure and break up interstrand oxides
- Meets or exceeds ANSI C119.4 specifications



ABN 4350

#### ABN™ Series

CAT. NO.	CABLE RANGE	OUTLETS	L	BOOT NO.
ABN 240	#6–250	2	4 $\frac{3}{4}$	SB 17
ABN 340		3	5 $\frac{1}{2}$	SB 17
ABN 440		4	6 $\frac{5}{16}$	SB 11
ABN 540		5	7 $\frac{1}{16}$	SB 11
ABN 640		6	7 $\frac{7}{8}$	SB 11
ABN 740		7	8 $\frac{5}{8}$	SB 14
ABN 840		8	9 $\frac{1}{16}$	SB 14
ABN 2350		#6–350	2	4 $\frac{15}{16}$
ABN 3350	3		5 $\frac{1}{8}$	SB 11
ABN 4350	4		6 $\frac{3}{4}$	SB 11
ABN 5350	5		7 $\frac{11}{16}$	SB 11
ABN 6350	6		8 $\frac{5}{16}$	SB 14
ABN 7350	7		9 $\frac{1}{2}$	SB 14
ABN 8350	8		10 $\frac{7}{16}$	2160
ABN 2500	#2–500		2	5 $\frac{5}{16}$
ABN 3500		3	6 $\frac{5}{16}$	SB 11
ABN 4500		4	7 $\frac{5}{16}$	SB 11
ABN 5500		5	8 $\frac{5}{16}$	SB 14
ABN 6500		6	9 $\frac{5}{16}$	2160
ABN 7500		7	10 $\frac{9}{16}$	2163
ABN 8500		8	11 $\frac{5}{16}$	2163-3
ABN 2750		1/0–750	2	5 $\frac{15}{16}$
ABN 3750	3		7 $\frac{1}{4}$	2120
ABN 4750	4		8 $\frac{5}{8}$	2120
ABN 5750	5		9 $\frac{15}{16}$	2160
ABN 6750	6		11 $\frac{1}{4}$	2160
ABN 7750	7		12 $\frac{3}{8}$	2163-3
ABN 8750	8		13 $\frac{15}{16}$	2163-3

**Note:** For oxide-inhibitor option, add "-C" suffix to the catalog number.  
 For streetlight-outlet option, add "-SL" suffix to the catalog number.  
 For tin-plating option, add "-TN" suffix to the catalog number.

## Pad-Mount Transformer Connectors

For deadfront pad-mount transformers with 4-hole NEMA spade secondary bushings.

### Aluminum Flood-Seal® 125 Series Transformer Spade Connectors

- Provide maximum contact to ensure cooler operating, more reliable joints
- Dual-rated for use with aluminum or copper cable ranging from #8 to 500 kcmil
- Outlets equipped with 1/2" plated steel hex-head bolts with captive Belleville washers to accept standard one-hole or two-hole NEMA aluminum or copper lugs
- All Flood-Seal® connectors comply with ANSI C119.4 specifications



FTN 125-44N



FTN 125-4N

#### 1-Hole Outlets

CAT. NO.	OUTLETS	L
FTN 125-2	2	4
FTN 125-3	3	4 $\frac{1}{2}$
FTN 125-4	4	6
FTN 125-5	5	7 $\frac{1}{2}$
FTN 125-6	6	7 $\frac{1}{2}$
FTN 125-44*	8	6

\* Double-row configuration.

**Note:** For complete assembly with CS 2011 insulating rockets, add "-AWR" suffix to the FTN catalog number.  
For complete assembly with CSN 2011 insulating rockets, add "-AWR" suffix to the FTN-N catalog number.

#### 2-Hole Outlets

CAT. NO.	OUTLETS	L
FTN 125-2N	2	4
FTN 125-3N	3	4 $\frac{1}{2}$
FTN 125-4N	4	6
FTN 125-5N	5	7 $\frac{1}{2}$
FTN 125-6N	6	7 $\frac{1}{2}$
FTN 125-44N*	8	6

## Pad-Mount Transformer Connectors

For deadfront pad-mount transformers with 4-hole NEMA spade secondary bushings.

### Aluminum Flood-Seal® 175 Series Transformer Spade Connectors

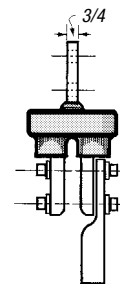
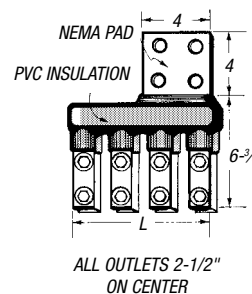
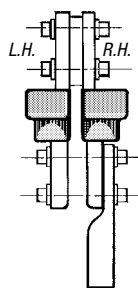
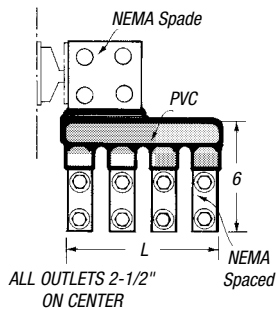
- Flood-Seal® connectors permit the use of aluminum or copper standard side-formed 2-hole lugs
- Flood-Seal® EPDM rubber insulating sleeves are available to fully insulate outlets
- All outlets are provided with 1/2" plated steel hex-head bolts and captive Belleville washers
- Cable range from 4/0 to 1000 kcmil aluminum or copper
- Maximum contact ensures cooler operating, more reliable connections
- All Flood-Seal® connectors meet or exceed ANSI C119.4 specifications



FTN 175-4R



FTN 175-22



#### Single-Row Style

CAT. NO.	SPADE	OUTLETS	LENGTH
FTN 175-4R	Right Hand	4	9 1/4"
FTN 175-4L	Left Hand	4	9 1/4"
FTN 175-5R	Right Hand	5	11 3/4"
FTN 175-5L	Left Hand	5	11 3/4"
FTN 175-6R	Right Hand	6	14 1/4"
FTN 175-6L	Left Hand	6	14 1/4"

#### Double-Row Style

CAT. NO.	OUTLETS	LENGTH
FTN 175-22	4	4 1/4"
FTN 175-33	6	6 3/4"
FTN 175-44	8	9 1/4"
FTN 175-55	10	11 3/4"
FTN 175-66	12	14 1/4"

## Pad-Mount Transformer Connectors

The options you need for a variety of connections.

### NEMA Transformer Spade Adapters

- Adapters for standard and four-hole NEMA transformer pads
- Cables are disconnectable to make swaps and changes easier
- Dual-rated to accept copper or aluminum lugs

#### TSC 4 Series – Aluminum

CAT. NO.	BOLT HOLES	SPADE THICKNESS
TSC 4-6	6	3/8
TSC 4-8	8	
TSC 4-10	10	3/4
TSC 4-12	12	

*Note:* For tin-plating option, add “-TN” suffix to the catalog number.  
For custom configurations, please consult your Thomas & Betts representative.



TSC 4-6

#### TSC Series – Aluminum

CAT. NO.	BOLT HOLES	SPADE THICKNESS
TSC 6	6	3/8
TSC 8	8	
TSC 10	10	3/4
TSC 12	12	

*Note:* For tin-plating option, add “-TN” suffix to the catalog number.  
For custom configurations, please consult your Thomas & Betts representative.

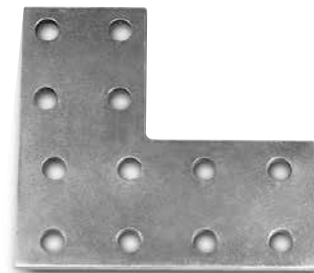


TSC 8

#### CTSC 4 Series – Copper

CAT. NO.	BOLT HOLES	SPADE THICKNESS
CTSC 4-6	6	1/4
CTSC 4-8	8	
CTSC 4-10	10	1/2
CTSC 4-12	12	

*Note:* For tin-plating option, add “-TN” suffix to the catalog number.  
For custom configurations, please consult your Thomas & Betts representative.



CTSC 4-12

#### CTSC Series – Copper

CAT. NO.	BOLT HOLES	SPADE THICKNESS
CTSC 6	6	1/4
CTSC 8	8	
CTSC 10	10	1/2
CTSC 12	12	

*Note:* For tin-plating option, add “-TN” suffix to the catalog number.  
For custom configurations, please consult your Thomas & Betts representative.



CTSC 8

## Network Protector Connectors

Convenient multiple-tap connections to power transformers and network protectors.

### Flood-Seal® 175 Series Clamp-On Style Transformer and Network Protection Connectors

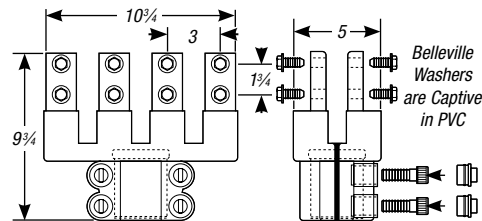
- Compact design conserves vault and manhole space — and often eliminates the need for auxiliary buses
- Clamp-style base provides 3¼" of stud contact and eliminates the need for a jam nut
- Rubber gasket ensures secure closure between connector halves
- All NEMA-drilled aluminum alloy outlets equipped with plated hex-head bolts and captive Belleville washers to accept two-hole NEMA lugs up to 1000 kcmil, vertical or horizontal



#### Vertical Cable Leads

CAT. NO.	OUTLETS	STUD SIZE
FTT 44-175-15	8	1½
FTT 44-175-30	8	3

**Note:** For copper connectors, add "-CU" suffix to the catalog number.  
 For complete assembly with insulating rockets, add "-AWR" suffix to the catalog number.  
 For special applications or greater number of outlets than those listed, please consult your Thomas & Betts representative.

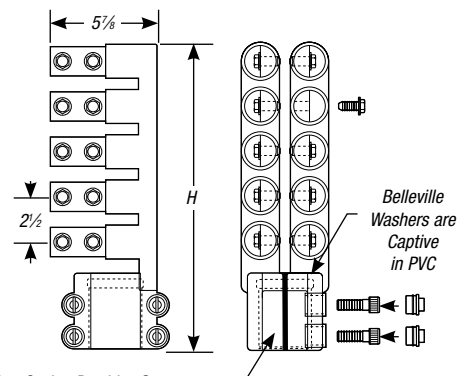


Rubber Gasket Provides Secure Closure between Connector Halves

#### Horizontal Cable Leads

CAT. NO.	OUTLETS	HEIGHT	STUD SIZE
FTH 22-175-15	4	9%	1½
FTH 33-175-15	6	11%	
FTH 44-175-15	8	14%	
FTH 55-175-15	10	16%	
FTH 22-175-30	4	9%	3
FTH 33-175-30	6	11%	
FTH 44-175-30	8	14%	
FTH 55-175-30	10	16%	

**Note:** For copper connectors, add "-CU" suffix to the catalog number.  
 For complete assembly with insulating rockets, add "-AWR" suffix to the catalog number.  
 For special applications or greater number of outlets than those listed, please consult your Thomas & Betts representative.



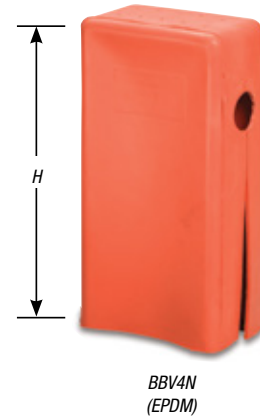
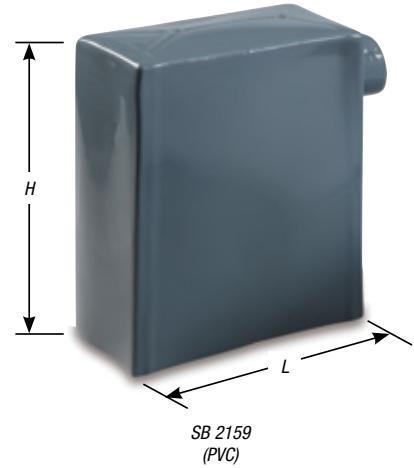
Rubber Gasket Provides Secure Closure between Connector Halves

## Drop-On Insulating Boots

Insulating boots for harsh environments.

### Insulating Boots for Transformer Spade Connectors

- BBV4N features EPDM rubber flexi-boot — will not crack from cold embrittlement, will not cold flow and will not soften with heat
- BBV4N features flexible locking ribs to prevent accidental removal of EPDM boot
- PVC boots available
- SB Series is RUS Accepted



CAT. NO.	LENGTH	WIDTH	HEIGHT
<b>SB Series</b>			
SB 2144	3¼	4½	9
SB 2147	5½	2½	6⅞
SB 2151	5½	4	12
SB 17	5⅞	2¾	3¾
SB 2163-6	7	4⅞	8⅞
SB 2163-7	8	3	7⅞
SB 11	8⅞	2	2¼
SB 2120	8¾	2½	5½
SB 2163-12	8¾	5	8⅞
SB 2163-2	8¾	5	9
SB 2157	9¼	2¾	7¾
SB 2159	9¼	4⅞	11¾
SB 14	9⅞	2	2¼
SB 2160	12	2¾	5⅞
SB 2163-3	12⅞	5⅞	11⅞
SB 2163-10	13¾	5	7¾
SB 2163-4	14	5½	11⅞
<b>BBV Series</b>			
BBV4N	4⅞	2¾	10

**Note:** For boot sizes not listed, please consult your Thomas & Betts representative.  
PVC boots available in black, gray, yellow or clear.



## Flood-Seal® Multi-Port Connectors

Save outlet space.

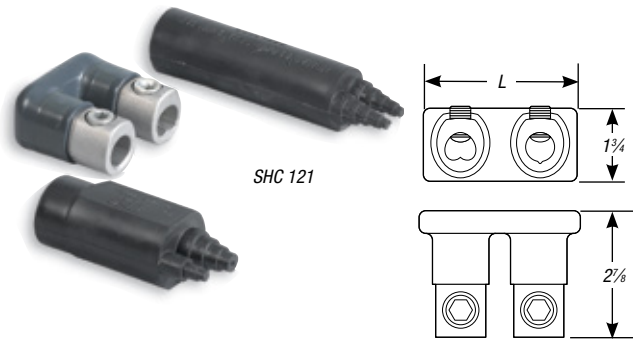
### Aluminum Flood-Seal® Mechanical Connectors

These connectors feature the Sweetheart® outlet configuration that nests two equal-sized service cables from #6 to 2/0 or two different-sized cables from #2 to 2/0, saving you outlet space and consequent cost. Unique cable outlets permit the use of street light wire either in original construction or as a later addition. Connectors are dual-rated, PVC insulated, supplied with insulating rockets and prefilled with oxide inhibitor.

- Aluminum-alloy connector construction for high strength and high conductivity; dual-rated for use with copper or aluminum cable
- Exceed ANSI C119.1 and C119.4 requirements and are RUS Accepted
- All connectors are 100% Hi-Pot tested at 4000V for 60 seconds

#### Flood-Seal® Mechanical Connectors

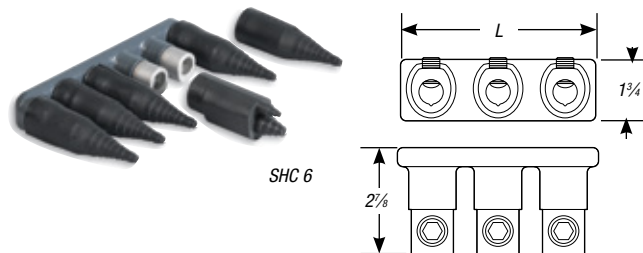
CAT. NO.	CABLE RANGE FEEDER OUTLET S/L	OUTLETS	L
SHC 21		2	3¼
SHC 22	#6-350	2	3¼
SHC 121	#14 sol.-#6	3	5¼
SHC 212		3	5¼



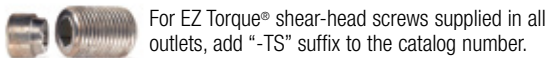
**Note:** In catalog number, 1 designates outlet with street light (S/L) option; 2 designates Sweetheart outlet. Sweetheart outlet nests two equal-sized service cables from #6 to 2/0 or two different-sized cables from #2 to 2/0. Feeder outlet houses cables from #6 to 350 kcmil (cable range when using a street light tap is 1/0 to 350 kcmil).

#### Flood-Seal® Mechanical Connectors with Street Light Option

CAT. NO.	CABLE RANGE	OUTLETS	L
SHC 2		2	3¼
SHC 3		3	5¼
SHC 4		4	7
SHC 5	#6-350	5	8 7/8
SHC 6		6	10 1/4
SHC 8		8	14 1/2



**Note:** All outlets are provided with insulating rocket sleeves, with one sleeve having the street light capability. Cable range is 1/0 to 350 kcmil when using a street light tap.



For EZ Torque® shear-head screws supplied in all outlets, add "-TS" suffix to the catalog number.

#### Flood-Seal® Mechanical 500 kcmil Connectors

CAT. NO.	WIRE RANGE	OUTLETS	L
SHC 500-2		2	3 3/8
SHC 500-3		3	6 1/4
SHC 500-4		4	8 3/8
SHC 500-5	#2-500	5	10 3/8
SHC 500-6		6	12 3/8
SHC 500-8		8	17 3/8



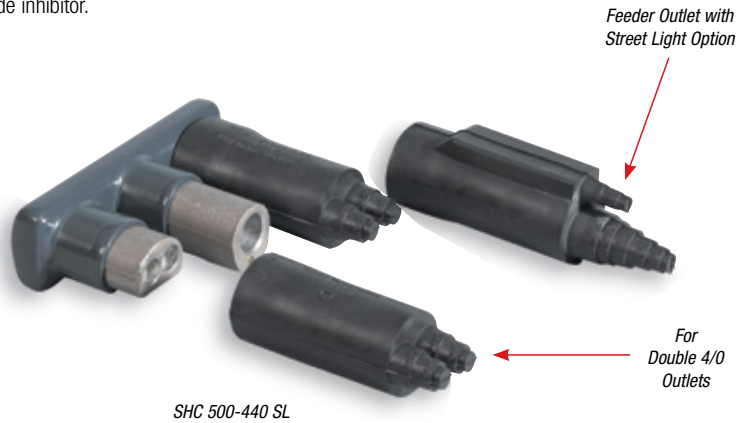
## Flood-Seal® Multi-Port Connectors

Save outlet space and use street light wire.

### Aluminum Flood-Seal® Mechanical Connectors — 4/0 Series

Aluminum Flood-Seal® Mechanical Connectors feature ball-bottom screws that support the widest conductor range and aid in breaking up aluminum oxides. Wide-range cable outlets permit the use of street light wire either in original construction or as a later addition. Sweetheart® connectors are dual-rated, PVC insulated, supplied with insulating rockets and prefilled with oxide inhibitor.

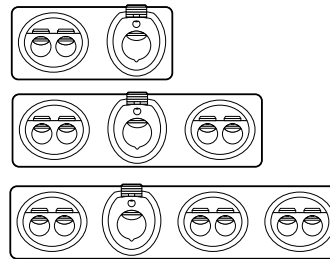
- Dual-rated for use with a wide range of aluminum or copper cable
- Aluminum-alloy connector construction for high strength and high conductivity
- Sweetheart outlet configuration doubles cable capacity and halves space requirements
- Single-screw design with outlets sealed with Flood-Seal® EPDM rockets
- Street light option supports the use of streetlight wire (#14 to #4 AWG)
- Exceed ANSI C119.1 and C119.4 requirements and Western Underground Committee Guidelines and are RUS accepted.
- All connectors are 100% Hi-Pot tested at 4000V for 60 seconds



#### Mechanical Connectors for 4/0 Outlets with 500 kcmil Feeder

CAT. NO.	WIRE RANGE	L	H
SHC 500-240 SL	Tap #4-4/0	4½	
SHC 500-440 SL	Feeder #2-500	6¾	4½
SHC 500-640 SL	S/L #14-#4	9½	

Top View of Outlets



## Flood-Seal® Multi-Port Connectors

For direct burial or above-ground pedestal installation.

### Aluminum Flood-Seal® Twin-Screw Mechanical Connectors

- Flood-Seal® insulating rockets field tested in more than 10 million applications
- All connectors are 100% Hi-Pot tested at 4000V for 60 seconds
- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- Ball-bottom screws support the widest conductor range and aid in breaking up aluminum oxides
- Aluminum-alloy connector construction for high strength and high conductivity
- Dual-rated for use with a wide range of copper or aluminum conductors
- Exceed ANSI C119.1 and C119.4 requirements and Western Underground Committee Guidelines

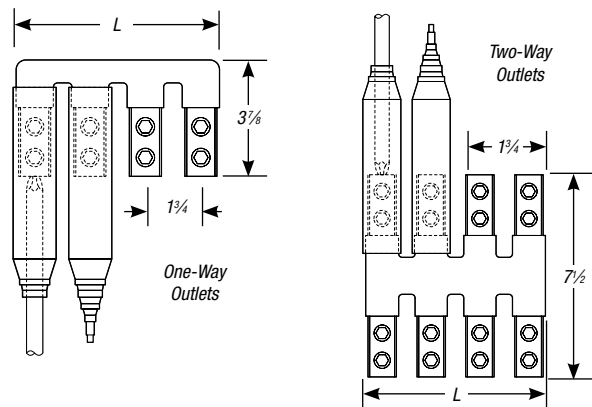


#### 350 kcmil Series

ONE-WAY CAT. NO.	OUTLETS ONE-WAY	TWO-WAY CAT. NO.	OUTLETS TWO-WAY	LENGTH	CABLE RANGE
UH 2 R	2	UH 22 R	4	3¾"	#6-350
UH 3 R	3	UH 33 R	6	5¼"	
UH 4 R	4	UH 44 R	8	7"	
UH 5 R	5	UH 55 R	10	8¾"	
UH 6 R	6	UH 66 R	12	10¼"	
UH 8 R	8	UH 88 R	16	14½"	



For EZ Torque® shear-head screws supplied in all outlets, add "-TS" suffix to the catalog number.

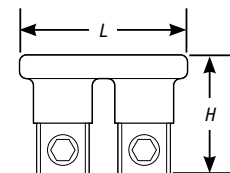


#### 500 kcmil Series

CAT. NO.	WIRE RANGE	OUTLETS	L	H
UH 500-2 R	#2-500	2	3¾"	4¾"
UH 500-3 R		3	6¾"	
UH 500-4 R		4	8¾"	
UH 500-5 R		5	10¾"	
UH 500-6 R		6	12¾"	
UH 500-8 R		8	17¾"	



UH 500-4 R

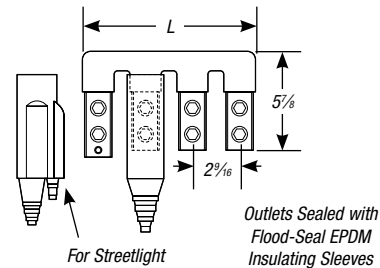


## Flood-Seal® Multi-Port Connectors

Versatile for direct burial or above-ground pedestals.

### Aluminum Flood-Seal® Twin-Screw Mechanical Connectors — UH 750 Series

- Flood-Seal® insulating rockets field tested in more than 10 million applications
- All connectors are 100% Hi-Pot tested at 4000V for 60 seconds
- Street light outlet option — wide-range cable outlets support the use of street light wire
- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- Aluminum-alloy connector construction for high strength and high conductivity
- Dual-rated to accept a wide range of copper or aluminum conductors
- Exceed ANSI C119.1 and C119.4 requirements as well as Western Underground Committee Guidelines



#### Submersible Connector with Street Light Outlet

CAT. NO.	OUTLETS	LENGTH	CABLE RANGE
UH 750-4 SLR	4	9½	1/0-750, S/L
UH 750-6 SLR	6	14½	#14-#2

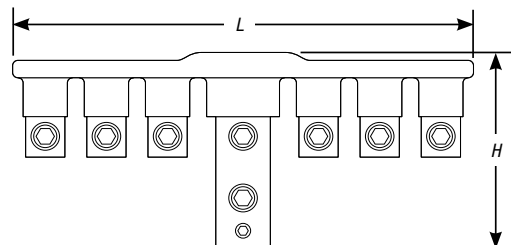
## Dual-Outlet Connectors with Street Light Port

#### 4/0 Outlets with 750 kcmil Feeder

CAT. NO.	WIRE RANGE	OUTLETS	L	H
UH 750-240 SLR	Feeder 1/0-750, Tap #12-4/0, S/L #14-#4	(2) 4/0 (1) 750	5½	5½
UH 750-440 SLR		(4) 4/0 (1) 750	8½	
UH 750-640 SLR		(6) 4/0 (1) 750	11½	

#### 350 Outlets with 750 kcmil Feeder

CAT. NO.	WIRE RANGE	OUTLETS	L	H
UH 750-235 SLR	Feeder 1/0-750, Tap #12-4/0, S/L #14-#4	(2) 350 (1) 750	5%	6
UH 750-435 SLR		(4) 350 (1) 750	9%	
UH 750-635 SLR		(6) 350 (1) 750	13%	

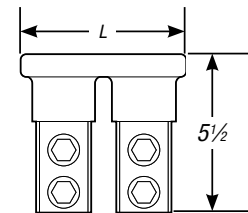


## Flood-Seal® Multi-Port Connectors

Twin screws double the reliability of ordinary set-screw connectors.

### Aluminum Flood-Seal® Twin-Screw Mechanical Connectors — UH 1000 Series

- Flood-Seal® insulating rockets field tested in more than 10 million applications, and serve as waterproof spare outlet caps until used as waterproof cable insulators
- All connectors are 100% Hi-Pot tested at 4000V for 60 seconds
- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- Aluminum-alloy connector construction for high strength and high conductivity
- Dual-rated to accept a wide range of copper or aluminum conductors
- Exceed ANSI C119.1 and C119.4 requirements as well as Western Underground Committee Guidelines



UH 1000-22 R

#### Twin-Screw One-Way Configuration

CAT. NO.	CONDUCTOR RANGE	OUTLETS	LENGTH
UH 1000-2 R	#2-1000	2	4 <sup>13</sup> / <sub>16</sub>
UH 1000-4 R		4	9 <sup>15</sup> / <sub>16</sub>
UH 1000-6 R		6	15
UH 1000-8 R		8	20 <sup>7</sup> / <sub>16</sub>

*Note: For two-way configurations, please consult your Thomas & Betts representative.*

#### Twin-Screw Two-Way Configuration

CAT. NO.	CONDUCTOR RANGE	OUTLETS
UH 1000-22 R	#2-1000	4
UH 1000-33 R		6
UH 1000-44 R		8
UH 1000-55 R		10
UH 1000-66 R		12
UH 1000-88 R		16

#### UH 1000 Series with 350 Services

CAT. NO.	CONDUCTOR RANGE	OUTLETS
UH 1000-21 R	Feeder #2-1000,	3
UH 1000-222 R	Tap #6-350,	6
UH 1000-242 R	SL #14-#6	8



UH 1000-242 R

## Flood-Seal® Multi-Port Connectors

High-performance,  
dual-rated connectors.

### Aluminum Flood-Seal® Multi-Port Connectors — RAB Series

- Flood-Seal® insulating rockets serve as waterproof spare outlet caps until used and are also resealable
- 6061-T6 aluminum connector construction provides high strength and high conductivity
- Dual-rated to accept a wide range of aluminum and copper conductors
- All connectors are 100% Hi-Pot tested at 4000V for 60 seconds
- RAB 1/0 Series offers compact design — great for street light applications
- RUS Accepted



RAB 1/0-21

RAB 1/0-3



RAB 6-C

#### RAB 1/0 Series

CAT. NO.	CONDUCTOR RANGE	OUTLETS	LENGTH
RAB 1/0-2	#14-1/0	2	1 $\frac{3}{4}$
RAB 1/0-3		3	2 $\frac{39}{64}$
RAB 1/0-4		4	3 $\frac{1}{16}$
RAB 1/0-5		5	4 $\frac{9}{32}$
RAB 1/0-6		6	5 $\frac{1}{8}$
RAB 1/0-7		7	5 $\frac{31}{32}$
RAB 1/0-8		8	6 $\frac{13}{16}$
RAB 1/0-9		9	7 $\frac{21}{32}$
RAB 1/0-10		10	8 $\frac{1}{2}$
RAB 1/0-21		3	2 $\frac{39}{64}$
RAB 1/0-22		4	3 $\frac{1}{16}$
RAB 1/0-31		4	3 $\frac{1}{16}$
RAB 1/0-32		5	4 $\frac{9}{32}$
RAB 1/0-33		6	5 $\frac{1}{8}$
RAB 1/0-42		6	5 $\frac{1}{8}$

**Note:** For oxide-inhibitor option, add "-C" suffix to the catalog number.

#### RAB 350 Series

CAT. NO.	CONDUCTOR RANGE	OUTLETS	LENGTH
RAB 2-C	#12 sol.-350	2	2 $\frac{7}{16}$
RAB 3-C		3	3 $\frac{5}{8}$
RAB 4-C		4	4 $\frac{13}{16}$
RAB 5-C		5	6
RAB 6-C		6	7 $\frac{1}{8}$
RAB 8-C		8	9 $\frac{1}{16}$
RAB 10-C		10	11 $\frac{15}{16}$

**Note:** The RAB 350 Series comes standard with inward-seal rockets. For outward-seal rockets, please consult your Thomas & Betts representative. Provided with oxide inhibitor.



For EZ Torque® shear-head screws supplied in all outlets, add "-TS" suffix to the catalog number.

## Flood-Seal® Multi-Port Connectors

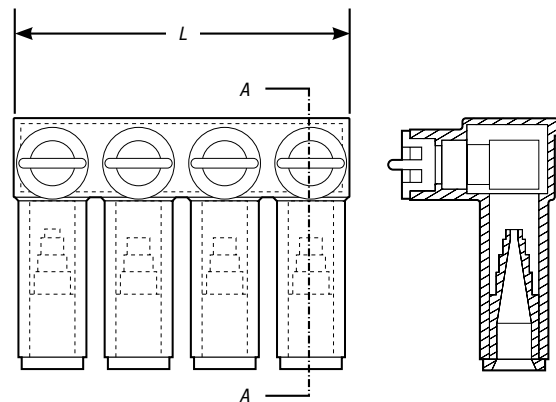
Ideal for direct-burial, pedestal or vault installations.

### Aluminum Flood-Seal® Multi-Port Connectors — RAB and USB Series

- Field-adaptable cable sleeves enable installation on a wide range of conductor sizes
- Standard aluminum set screws with  $\frac{5}{16}$ " socket hex spread compressive forces over conductor strands, reduce strand damage, result in lower contact resistance and provide high set-screw torque retention
- Compact design enables installation in limited spaces
- Dual-rated to accept a wide range of aluminum and copper conductors
- All connectors are 100% Hi-Pot tested at 4000V for 60 seconds
- Built tough for rugged conditions — tough enough to withstand rough handling in the field, have an excellent dielectric strength rating (>700V/mil) and have excellent aging characteristics under continuous high operating temperatures (to 130° C)
- All connectors have oxide inhibitor and silicone grease to keep out moisture and make installation easy and convenient
- Comply with ANSI C119.1 and C119.4 as well as Western Underground C.G. 2.5
- RAB Series is RUS Accepted



USB43S



#### RAB 500 Series

CAT. NO.	PORTS	CABLE RANGE	LENGTH	
			IN.	MM
RAB 35-C	3	#12-500	4.5	114
RAB 45-C	4		6.0	152
RAB 55-C	5		7.5	191
RAB 65-C	6		9.0	229
RAB 85-C	8		12.0	305

Note: Provided with oxide inhibitor.

#### USB 350 Series

CAT. NO.	PORTS	CABLE RANGE	LENGTH	
			IN.	MM
USB33S	3	#12-350	3.6	91
USB43S	4		4.7	121
USB53S	5		5.9	150
USB63S	6		7.1	179
USB83S	8		9.4	238

Note: Provided with oxide inhibitor.



For EZ Torque® shear-head screws supplied in all outlets, add "-TS" suffix to the catalog number.

## Flood-Seal® Multi-Port Connectors

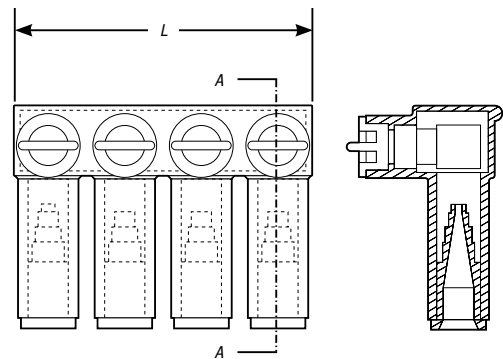
Universal use! Install in direct-burial, handhole, pedestal or vault applications.

### Aluminum Flood-Seal® Multi-Port Connectors — RXL Series

- Wide port spacing makes installation easier
- Field-adaptable cable sleeves enable installation on a wide range of conductor sizes
- Bars constructed of 6061-T6 aluminum alloy for high strength and high conductivity
- Standard aluminum set screws with  $\frac{5}{16}$ " socket hex spread compressive forces over conductor strands, reduce strand damage, result in lower contact resistance and provide high set-screw torque retention
- All connectors are 100% Hi-Pot tested at 4000V for 60 seconds
- Comply with ANSI C119.1 and C119.4 and Western Underground C.G. 2.5 and are RUS Listed
- Dual-rated to accept a wide range of aluminum and copper conductors



RXL 4-C



#### RXL 350 Series

CAT. NO.	OUTLETS	CABLE RANGE	LENGTH	
			IN.	MM
RXL 3-C	3	#12-350	4.3	109
RXL 4-C	4		5.8	147
RXL 5-C	5		7.3	185
RXL 6-C	6		8.8	223
RXL 8-C	8		11.8	299

Note: Provided with oxide inhibitor.



For EZ Torque® shear-head screws supplied in all outlets, add "-TS" suffix to the catalog number.



RXL 600-6-C

#### RXL 600 Series

CAT. NO.	OUTLETS	CABLE RANGE
RXL 600-3-C	3	#6-600
RXL 600-4-C	4	
RXL 600-5-C	5	
RXL 600-6-C	6	
RXL 600-31-C	4	
RXL 600-22-C	4	
RXL 600-33-C	6	
RXL 600-42-C	6	

Note: Provided with oxide inhibitor.



RXL 600-31-C



## Flood-Seal® Multi-Port Connectors

The fully insulated and watertight connectors for direct-burial, handhole, pedestal and overhead applications.

### Aluminum Flood-Seal® Multi-Port Connectors — RXM Series

- Flood-Seal® EPDM insulating rockets field tested in more than 10 million applications
- 6061-T6 aluminum connector construction provides high strength and high conductivity
- Dual-rated to accept a wide range of copper or aluminum conductors, from #2 solid to 1000 kcmil
- Ball-bottom screws support the widest conductor range and aid in breaking up aluminum oxides
- EPDM rubber cap is easy to find, prevents accidental removal and can be easily removed with pliers
- All connectors are 100% Hi-Pot tested at 4000V for 60 seconds



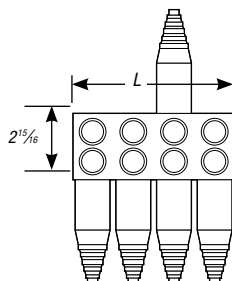
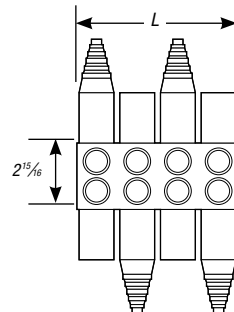
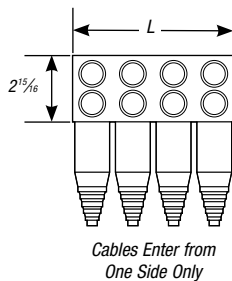
RXM 4



RXM 22



RXM 31



#### Cable Entry One Side Only

CAT. NO.	OUTLETS	LENGTH
RXM 2	2	3 <sup>1</sup> / <sub>16</sub>
RXM 4	4	7 <sup>1</sup> / <sub>4</sub>
RXM 6	6	10 <sup>5</sup> / <sub>16</sub>
RXM 8	8	14 <sup>1</sup> / <sub>2</sub>
RXM 10	10	18 <sup>5</sup> / <sub>16</sub>
RXM 12	12	21 <sup>3</sup> / <sub>4</sub>

#### Cable Entry from Either Side

CAT. NO.	OUTLETS	LENGTH
RXM 22	4	7 <sup>1</sup> / <sub>4</sub>
RXM 33	6	10 <sup>5</sup> / <sub>16</sub>
RXM 44	8	14 <sup>1</sup> / <sub>2</sub>
RXM 66	12	21 <sup>3</sup> / <sub>4</sub>

Example: RXM 22 accommodates a maximum of four cables, accessible from either side.

#### Custom Orders

CAT. NO.	OUTLETS	LENGTH
RXM 31	4	7 <sup>1</sup> / <sub>4</sub>
RXM 42	6	10 <sup>5</sup> / <sub>16</sub>

Order using first number (RXM 31) for outlets needed on one side and second number (RXM 42) for outlets needed on opposite side.

For configurations up to a total of 12 outlets, please consult your Thomas & Betts representative.

**Note:** For oxide-inhibitor option, add "-C" suffix to the catalog number.

## Flood-Seal® Multi-Port Connectors

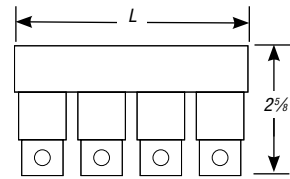
Suitable for direct burial or installation in an enclosure.

### Aluminum Flood-Seal® 95 Series Connectors

- Single-hole drilled ideal for residential applications
- Dual-rated for use with aluminum or copper lugs from #12 to 350 kcmil
- All outlets and lugs (see kits **below**) approved for full cable rating — safe and reliable.
- All connectors are 100% Hi-Pot tested at 4000V for 60 seconds
- RUS Accepted



FS 95-6



#### 95 Series Connectors

CAT. NO.	OUTLETS	LENGTH
FS 95-2	2	2 $\frac{1}{4}$
FS 95-3	3	4 $\frac{1}{4}$
FS 95-4	4	5 $\frac{1}{4}$
FS 95-5	5	7 $\frac{1}{4}$
FS 95-6	6	8 $\frac{1}{4}$
FS 95-7	7	10 $\frac{1}{4}$
FS 95-8	8	11 $\frac{1}{4}$
FS 95-9	9	13 $\frac{1}{4}$
FS 95-10	10	14 $\frac{1}{4}$

Kits have insulating outlet sleeve or heat-shrink sleeve and lug.

### Flood-Seal® 95 Series Terminal Kits

- Three die sets install the complete range of lugs, from #8 to 350 kcmil
- Lugs prefilled with oxide-inhibiting compound and capped to prevent oxidation and keep out moisture



CFB 350 CS

#### 95 Series Terminal Kits

FORCE-FIT KIT CAT. NO.	HEAT-SHRINK KIT CAT. NO.	CONCENTRIC	COMPRESSED	COMPACT	SOLID	DIE REFERENCE
CFG 8 CS	CFG 8 HS	#8	—	—	#6	% , BG, 687, 243, TU, 52, 8A
CFG 6 CS	CFG 6 HS	#6	#6	#6	—	
CFG 4 CS	CFG 4 HS	#4	#4	#4	—	
CFG 2 CS	CFG 2 HS	#2	#2	#2 & #1	#1	
CFG 1 CS	CFG 1 HS	#1	#1	1/0	1/0	
CFG 1/0 CS	CFG 1/0 HS	1/0	1/0	2/0	2/0	840, 324, 249, 658, TX, 76, 11A
CFK 1/0 CS	CFK 1/0 HS	1/0	1/0	2/0	2/0	
CFK 2/0 CS	CFK 2/0 HS	2/0	2/0	3/0	3/0	
CFK 3/0 CS	CFK 3/0 HS	3/0	3/0	4/0	4/0	
CFK 4/0 CS	CFK 4/0 HS	4/0	4/0	250	—	
CFB 250 CS	CFB 250 HS	250	250	300	—	1 $\frac{1}{8}$ -1, 299-655, 96, 13A, 321, 326
CFB 250 CS	CFB 250 HS	250	250	300	—	
CFB 300 CS	CFB 300 HS	300	300	350	—	
CFB 350 CS	CFB 350 HS	336.4-350	350	350	—	

**Note:** For a hex-headed bolt, add "-H" suffix to the catalog number.

Force-Fit Kit includes (1) dual-rated aluminum center-formed lug, (1)  $\frac{3}{8}$ " Allen head mounting bolt, (1) Belleville washer and (1) insulating Flood-Seal® rocket.

Heat-Shrink Kit includes (1) dual-rated aluminum center-formed lug, (1)  $\frac{3}{8}$ " Allen head mounting bolt, (1) Belleville washer and (1) heat-shrink tubing.

## Flood-Seal® Multi-Port Connectors

Choose one-way configuration or two-way configuration.

### Aluminum Flood-Seal® 125 Series Connectors

- Dual-rated for use with aluminum or copper lugs from #12 to 500 kcmil
- Designed for maximum contact to ensure cooler operation and more reliable joints
- Outlets equipped with ½" hex-head bolts with captive Belleville washers to accept standard one- or two-hole NEMA aluminum or copper lugs
- All connectors are 100% Hi-Pot tested at 4000V for 60 seconds
- All outlets approved for full cable rating — safe and reliable
- All Flood-Seal® connectors comply with ANSI C119.4
- RUS Accepted



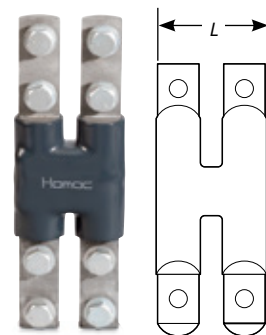
FSN 6-125



FS 3-125



FS 22-48



FSN 22

#### One-Way Configuration

ONE-BOLT DESIGN CAT. NO.	TWO-BOLT DESIGN CAT. NO.	OUTLETS	L
FS 2-125	FSN 2-125	2	3½
FS 3-125	FSN 3-125	3	5¾
FS 4-125	FSN 4-125	4	7¼
FS 5-125	FSN 5-125	5	9¾
FS 6-125	FSN 6-125	6	11
FS 7-125	FSN 7-125	7	12¾
FS 8-125	FSN 8-125	8	14¾
FS 9-125	FSN 9-125	9	16¾
FS 10-125	FSN 10-125	10	18¾

#### Two-Way Configuration

ONE-BOLT DESIGN CAT. NO.	TWO-BOLT DESIGN CAT. NO.	OUTLETS	L
FS 11-48	FSN 11	2	1½
FS 22-48	FSN 22	4	3¾
FS 33-48	FSN 33	6	5¼
FS 44-48	FSN 44	8	7¾
FS 55-48	FSN 55	10	8¾
FS 66-48	FSN 66	12	10¾
FS 77-48	FSN 77	14	12¾
FS 88-48	FSN 88	16	14¾
FS 99-48	FSN 99	18	16¾

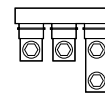
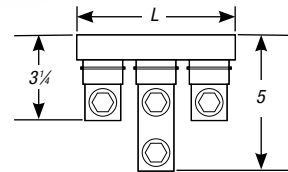
**Note:** To order FSN series with Flood-Seal® Rockets included, add "-AWR" to catalog number. To order Rockets separately, order catalog number CSN 2011 (one rocket per tower required).

## Flood-Seal® Multi-Port Connectors

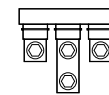
One-way connectors with rubber insulation or two-way connectors with PVC insulation for #8 to 500 kcmil cable.

### Aluminum Flood-Seal® 125 Series Connectors — One- and Two-Hole Type

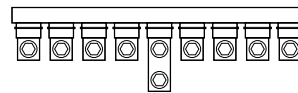
- Designed for maximum contact to ensure cooler operation and more reliable joints
- Outlets equipped with 1/2" hex-head bolts with captive Belleville washers to accept standard one- or two-hole NEMA aluminum or copper lugs
- All outlets approved for full cable rating — safe and reliable
- All connectors are 100% Hi-Pot tested at 4000V for 60 seconds
- All Flood-Seal® connectors meet or exceed ANSI C119.4
- RUS Accepted



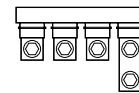
FS 21-125



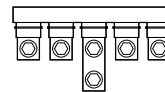
FS 111-125



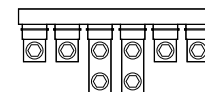
FS 414-125



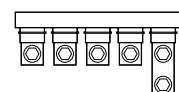
FS 31-125



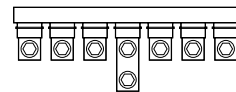
FS 212-125



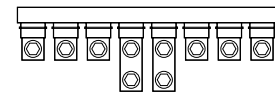
FS 222-125



FS 41-125



FS 313-125



FS 323-125

#### EPDM-Insulated, One-Way Configuration

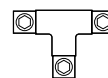
CAT. NO.	OUTLETS	LENGTH
FS 21-125	3	5 3/8
FS 111-125	3	5 3/8
FS 414-125	9	16 3/8
FS 31-125	4	7 1/4
FS 212-125	5	9 1/8
FS 222-125	6	11
FS 41-125	5	9 1/8
FS 313-125	7	12 1/8
FS 323-125	8	14 3/4

Note: To order insulating sleeves for EPDM One-Way Connectors, see page A-49.

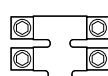
#### PVC-Insulated, Two-Way Configuration

CAT. NO.	OUTLETS
FST 125	3
FSTT 125	5
FSX 125	4
FSXX 125	6
FSY 125-21	3
FSY 125-42	6
FSY 125-64	10

#### T Type

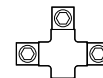


FST 125

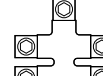


FSTT 125

#### X Type

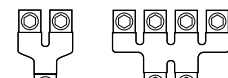


FSX 125

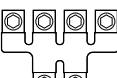


FSXX 125

#### Y Type



FSY 125-21



FSY 125-42



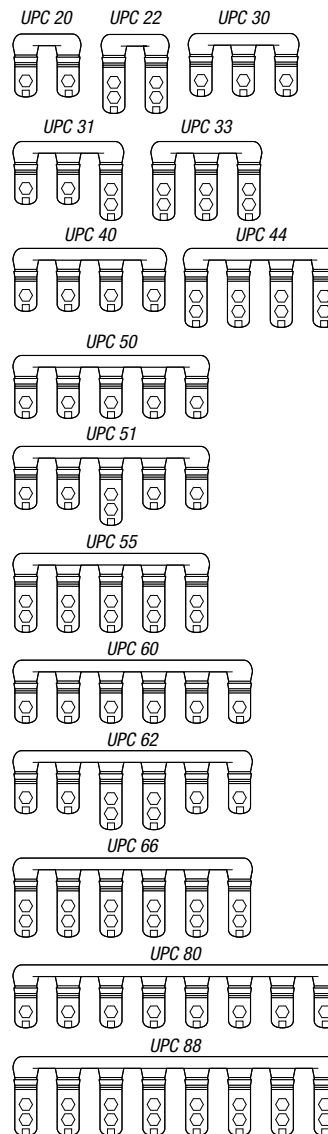
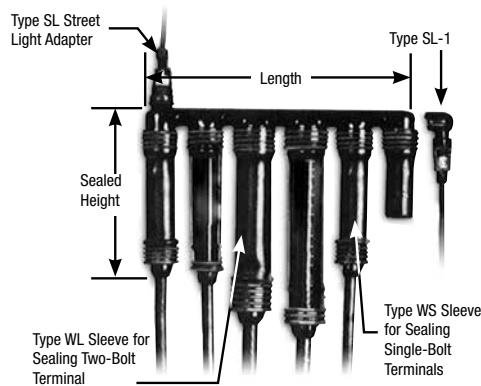
FSY 125-64

## Flood-Seal® Multi-Port Connectors

Get the port and terminal options you need for pedestal, vault, handhole or direct-burial applications.

### Flood-Seal® Bus Connectors

- Flood-Seal® EPDM sleeves features, waterproof O-ring sealing system
- Type WS sleeve seals single-bolt terminals and Type WL sleeve seals two-bolt terminals
- Indent on terminals mates with boss on compression lugs to prevent lugs from rotating
- All connectors are 100% Hi-Pot tested at 4000V for 60 seconds



CAT. NO.	NO. OF PORTS	2-BOLT LARGE TERM.	1-BOLT SMALL TERM.	DIMENSIONS IN. (MM)	
				LENGTH	HEIGHT WITH SLEEVE
UPC 20	2	0	2	3.3 (84)	6.5 (165)
UPC 22	2	2	0	3.8 (97)	8.8 (222)
UPC 30	3	0	3	5.2 (132)	6.5 (165)
UPC 31	3	1	2	5.3 (135)	8.8 (222)
UPC 33*	3	3	0	5.9 (151)	8.8 (222)
UPC 40	4	0	4	7.1 (179)	6.5 (165)
UPC 41	4	1	3	7.3 (186)	8.8 (222)
UPC 42	4	2	2	7.6 (192)	8.8 (222)
UPC 44*	4	4	0	8.1 (205)	8.8 (222)
UPC 50	5	0	5	8.9 (227)	6.5 (165)
UPC 51	5	1	4	9.2 (233)	8.8 (222)
UPC 52	5	2	3	9.4 (240)	8.8 (222)
UPC 55*	5	5	0	10.2 (259)	8.8 (222)
UPC 60	6	0	6	10.8 (248)	6.5 (165)
UPC 61	6	1	5	11.1 (281)	8.8 (222)
UPC 62	6	2	4	11.3 (287)	8.8 (222)
UPC 66*	6	6	0	12.3 (312)	8.8 (222)
UPC 80	8	0	8	14.6 (370)	6.5 (165)
UPC 81	8	1	7	14.8 (376)	8.8 (222)
UPC 88*	8	8	0	16.6 (421)	8.8 (222)

\* For streetlight adapter option, add "-SL-1" suffix to catalog number.

Note: Maximum size conductor — single bolt: 350 kcmil; double bolt: 500 kcmil.  
For compression lugs, see pages D-2-D-17.

## Flood-Seal® Multi-Port Connectors

Great for pedestal, vault, light pole base or direct-burial jobs.

### Submersible Street Light Connectors

- Rated for 600V, 100A — built for heavy-duty loads; helps bring power to nearly all types of street lights
- All connectors are 100% Hi-Pot tested at 4000V for 60 seconds
- Dual-rated and approved for #12 solid through #4 stranded aluminum or copper connections



USL 11

CAT. NO.	PORTS	WIDTH IN.	HEIGHT W/ SLEEVE IN.	SCREW TYPE
USL 11	2	—	6.3	Slotted
USL 30	3	3.6	3.1	Slotted
USL 11 H	2	—	5.3	Hex-Socket
USL 30 H	3	3.6	3.1	Hex-Socket

*Note:* For contour-plated set-screw option that does not damage the conductor when tightened down, add "-H" suffix to the catalog number.

Connect your small conductors to a Squid® bus junction.

### Street Light Adapter

- 356-T6 aluminum connector construction provides high strength and high conductivity
- Dual-rated for small conductors — connect #10 solid through #4 stranded cables to a standard Squid® bus junction



CAT. NO.	DESCRIPTION
SLA 1	Street Light Adapter

Make seals without tape, compound or heat source.

### Squid® Sealing Sleeves

- EPDM rubber sealing sleeve grips the conductor insulation on one end and seals onto the insulated bus on the other end
- Sleeves provided with plug installed — can be used as terminal covers
- SC adapter available — perfect to use when #2 compact standard 600V underground service entrance cable has an insulation outer diameter less than .390"



CAT. NO.	FOR USE ON	SEALING RANGE	
		(COND. O.D. OVER INSULATION)	LENGTH IN.
WS 2 P	Single-Bolt UPC, SCU	.4-.9	6 <sup>1</sup> / <sub>16</sub>
WL 2 P	Two-Bolt UPC, UPB, SCU	.4-.9	8 <sup>9</sup> / <sub>16</sub>
WL 3 P	UPC, UPB, SCU	.5-1.2	8 <sup>9</sup> / <sub>16</sub>
WB 20 P	UB	.4-.9	5 <sup>3</sup> / <sub>8</sub>
SC	Small Conductor Adapter for WS, WL 2 and WB Sleeves	.2-.4	—
WHB 3 P	UBC Bus (large terminal)	.5-1.3	7 <sup>7</sup> / <sub>8</sub>
SPL 6	Squid Type WL Sleeves, for #6 Stranded through 4/0 Connections	.6-.7	—

## Flood-Seal® Multi-Port Connectors

High-conductivity aluminum connectors.

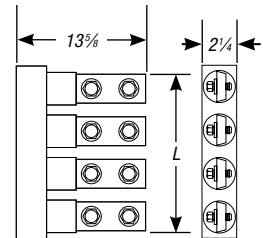
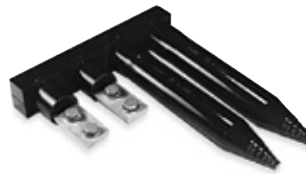
### Aluminum Flood-Seal® 175 Series Connectors

- EPDM rubber insulation precision molded for uniform quality
- Connector made of extruded high-conductivity electrolytic aluminum for added dimensional stability
- All connectors are 100% Hi-Pot tested at 4000V for 60 seconds



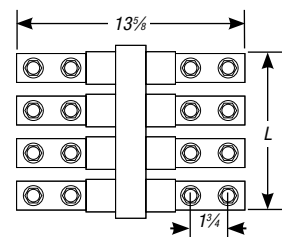
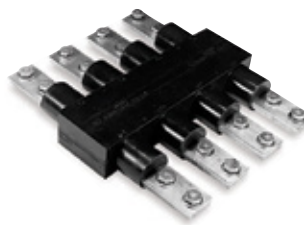
#### One-Way Configuration

CAT. NO.	OUTLETS	L
FS 175-2	2	6
FS 175-3	3	9
FS 175-4	4	12
FS 175-5	5	15
FS 175-6	6	18
FS 175-7	7	21
FS 175-8	8	24



#### Two-Way Configuration

CAT. NO.	OUTLETS	L
FS 22-175	4	6
FS 33-175	6	9
FS 44-175	8	12
FS 55-175	10	15
FS 66-175	12	18
FS 88-175	16	24
FS 1010-175	20	27
FS 1212-175	24	30



**Note:** For special applications or a greater number of outlets, please consult your Thomas & Betts representative.  
To order FS175 series with Flood-Seal® Rockets included, add "-AWR" to catalog number. To order Rockets separately, order catalog number FS1175 or FS1175L (one rocket per tower required).

#### Accessories — sold separately



FS 1175 Flood-Seal® EPDM rubber insulating sleeve covers the entire conductor range. Use the Flood-Seal® 175 Dual Adapter Kit (page A-51) for two conductors per outlet.



AL-NTN series aluminum lugs, 1/0 to 2000 kcmil. See page D-4.

## Flood-Seal® Multi-Port Connectors

EPDM rubber-insulated copper connectors for commercial or industrial installations!

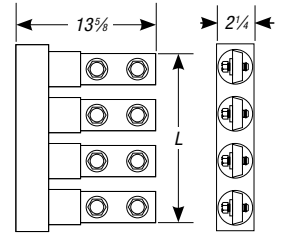
### Copper Flood-Seal® 175 Series Connectors

- EPDM rubber insulation precision molded for uniform quality
- Accommodates limiter terminals
- Hardware included — ready for use
- All outlets approved for full cable rating
- All connectors are 100% Hi-Pot tested at 4000V for 60 seconds



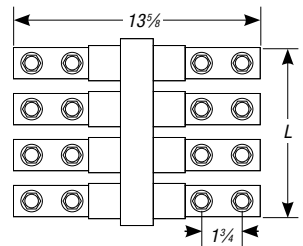
#### One-Way Configuration

CAT. NO.	OUTLETS	L
FS 175-2 CU	2	6
FS 175-3 CU	3	9
FS 175-4 CU	4	12
FS 175-5 CU	5	15
FS 175-6 CU	6	18
FS 175-7 CU	7	21
FS 175-8 CU	8	24



#### Two-Way Configuration

CAT. NO.	OUTLETS	L
FS 22-175 CU	4	6
FS 33-175 CU	6	9
FS 44-175 CU	8	12
FS 55-175 CU	10	15
FS 66-175 CU	12	18
FS 88-175 CU	16	24
FS 1010-175 CU	20	27
FS 1212-175 CU	24	30



**Note:** For special applications or a greater number of outlets, please consult your Thomas & Betts representative.  
To order FS175 series with Flood-Seal® Rockets included, add "-AWR" to catalog number. To order Rockets separately, order catalog number FS1175 or FS1175L (one rocket per tower required).

#### Accessories — sold separately



FS 1175 Flood-Seal® EPDM rubber insulating sleeve covers the entire conductor range. Use the Flood-Seal® 175 Dual Adapter Kit (see following page) for two conductors per outlet.



## Flood-Seal® Multi-Port Connectors

Rubber insulation ensures a watertight connection.

### Flood-Seal® 175 Series Bus Connectors

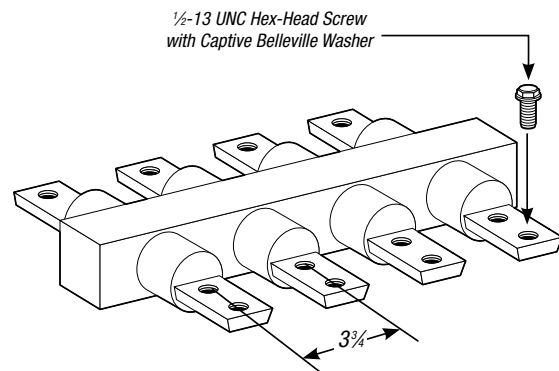
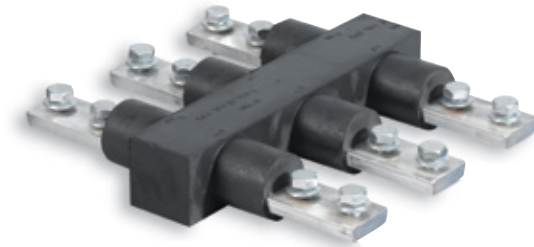
- Outlets equipped with ½-13 UNC hex-head screws with captive Belleville washers to accept two-hole NEMA aluminum or copper compression lugs
- All connectors are 100% Hi-Pot tested at 4000V for 60 seconds

#### FXL 175 Aluminum Series — for Two-Hole NEMA Lugs up to 1000 kcmil

CAT. NO.	OUTLETS
FXL 22-175	4
FXL 33-175	6
FXL 44-175	8
FXL 66-175	12

#### FXL 175 Copper Series — for Two-Hole NEMA Lugs up to 1000 kcmil

CAT. NO.	OUTLETS
FXL 22-175 CU	4
FXL 33-175 CU	6
FXL 44-175 CU	8
FXL 66-175 CU	12



FS 1175 Flood-Seal® EPDM rubber insulating sleeve covers the entire conductor range. Order separately — please consult your Thomas & Betts representative.

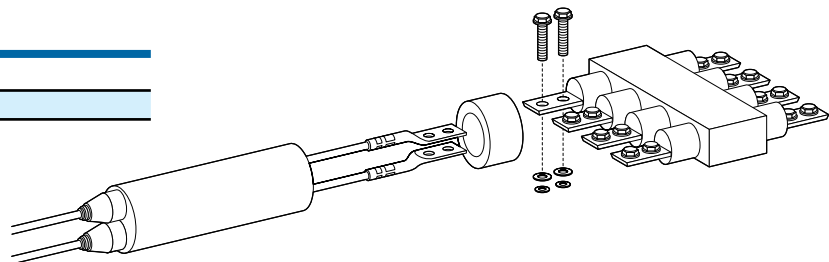
Adapter kit enables installer to pull two connections off one leg.

### Flood-Seal® 175 Dual Adapter Kit

- Ready for use
- Rugged kit includes twin tower rocket, adapter ring and aluminum hardware

CAT. NO.	DESCRIPTION
FS 175 DPK	175 Dual Adapter Kit

**Note:** Connector not included.

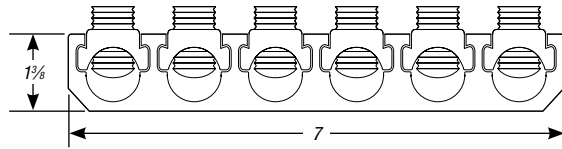
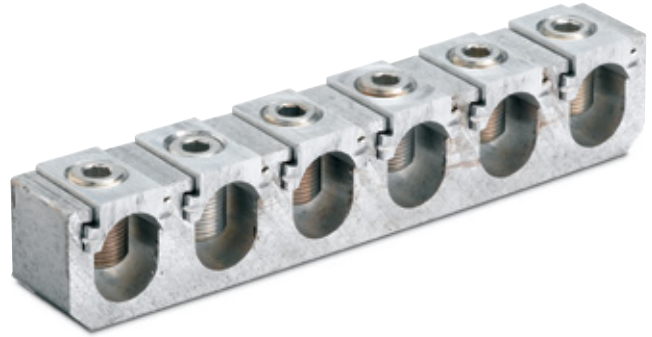


## Pedestal Connectors and Covers

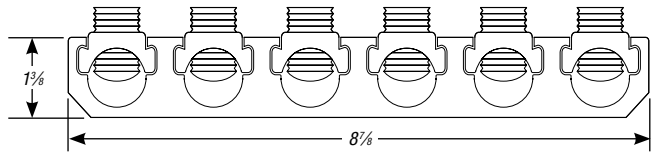
Effortlessly install or remove large, stiff cables in confined areas.

### Aluminum Lay-In Pedestal Connectors

- Cables are easily placed into the keeper slot
- Minimizes the hassle and hazards of having to force cables into the closed cable ports found on conventional mechanical connectors
- Saves time and labor
- Requires only a cable stripper and Allen hex wrench — no crimping tools or dies or other special tools are needed for installation
- Dual-rated for use with aluminum or copper cable
- Ball-bottom screws ensure even force distribution in the cable/connector interface



ABCK 6350



ABCK 6600

#### ABCK Series

CAT. NO.	CONDUCTOR RANGE	OUTLETS
ABCK 6350	#6-350	6
ABCK 6600	#2-600	
ABCK 6600 DS*	#2-600	

\*-DS\* suffix indicates double set screws.

## Pedestal Connectors and Covers

Available with up to eight outlets for aluminum or copper conductors.

### Aluminum Set-Screw Bar Pedestal Connectors — Single-Line Bar

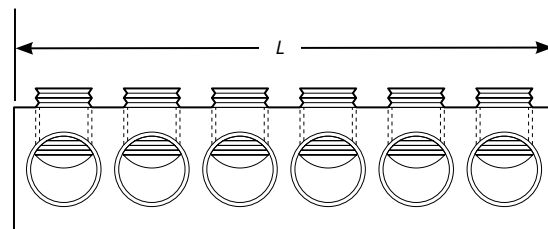
- Dual-rated to accept aluminum or copper conductors
- Ball-bottom screws ensure maximum conductor contact pressure and break up interstrand oxides
- Meets or exceeds ANSI C119.4 specifications



ABC 4350

#### Single-Line Bar

CAT. NO.	OUTLETS	LENGTH	BOOT NUMBER	CABLE RANGE
ABC 240	2	1 <sup>1</sup> / <sub>16</sub>	BB 10	#6-250
ABC 340	3	2 <sup>9</sup> / <sub>16</sub>	BB 10	
ABC 440	4	3 <sup>7</sup> / <sub>16</sub>	BB 10	
ABC 540	5	4 <sup>5</sup> / <sub>16</sub>	BB 11	
ABC 640	6	5 <sup>3</sup> / <sub>16</sub>	BB 11	
ABC 740	7	6 <sup>1</sup> / <sub>16</sub>	BB 12	
ABC 840	8	6 <sup>5</sup> / <sub>16</sub>	BB 12	
ABC 2350	2	2	BB 10	
ABC 3350	3	3	BB 10	
ABC 4350	4	4	BB 10	
ABC 5350	5	5	BB 11	
ABC 6350	6	6	BB 11	
ABC 7350	7	7	BB 12	
ABC 8350	8	8	BB 12	
ABC 2500	2	2 <sup>1</sup> / <sub>16</sub>	BB 10	#6-500
ABC 3500	3	3 <sup>1</sup> / <sub>16</sub>	BB 10	
ABC 4500	4	4 <sup>1</sup> / <sub>16</sub>	BB 11	
ABC 5500	5	5 <sup>1</sup> / <sub>16</sub>	BB 11	
ABC 6500	6	6 <sup>1</sup> / <sub>16</sub>	BB 12	
ABC 7500	7	7 <sup>1</sup> / <sub>16</sub>	BB 14	
ABC 8500	8	8 <sup>1</sup> / <sub>16</sub>	BB 14	
ABC 2750	2	2 <sup>3</sup> / <sub>4</sub>	BB 10	
ABC 3750	3	4 <sup>3</sup> / <sub>16</sub>	BB 13	
ABC 4750	4	5 <sup>3</sup> / <sub>16</sub>	BB 13	
ABC 5750	5	7	BB 12	
ABC 6750	6	8 <sup>3</sup> / <sub>16</sub>	BB 14	
ABC 7750	7	9 <sup>3</sup> / <sub>16</sub>	BB 15	
ABC 8750	8	11 <sup>3</sup> / <sub>16</sub>	BB 15	



**Note:** For oxide-inhibitor option, add "-C" suffix to the catalog number.  
 For street light-outlet option, add "-SL" suffix to the catalog number.  
 For insulating covers, see **page A-56**.  
 For special applications, please consult your Thomas & Betts representative.



For EZ Torque® shear-head screws supplied in all outlets, add "-TS" suffix to the catalog number.

## Pedestal Connectors and Covers

High-strength aluminum alloy maintains constant bolting pressure on conductors.

### Aluminum Set-Screw Bar Pedestal Connectors — Double-Row Bar

- Dual-rated to accept aluminum or copper conductors
- Ball-bottom screws ensure maximum conductor contact pressure and break up interstrand oxides
- Meets or exceeds ANSI C119.4 specifications



FB 33 Boot

ABC 500-33

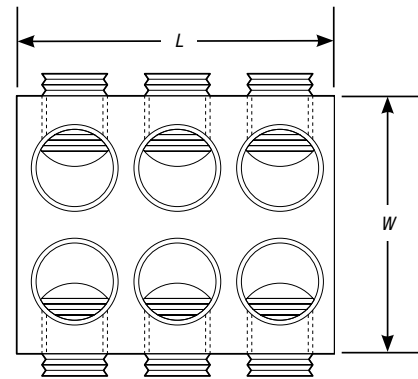
#### Double-Row Bar

CAT. NO.	OUTLETS	LENGTH	WIDTH	BOOT NO.	CABLE RANGE
ABC 40-22	4	1 $\frac{5}{8}$	2	BB 17	#6-250
ABC 40-33	6	2 $\frac{1}{6}$	2	BB 17	#6-250
ABC 40-44	8	3 $\frac{5}{6}$	2	FB 33*	#6-250
ABC 350-22	4	2 $\frac{1}{6}$	2 $\frac{1}{2}$	BB 17	#12-350
ABC 350-33	6	3	2 $\frac{1}{2}$	FB 33*	#12-350
ABC 350-44	8	3 $\frac{5}{6}$	2 $\frac{3}{8}$	FB 33*	#12-350
ABC 500-22	4	2 $\frac{1}{6}$	2 $\frac{3}{4}$	FB 33*	#6-500
ABC 500-33	6	3 $\frac{1}{6}$	2 $\frac{3}{4}$	FB 33*	#6-500
ABC 500-44	8	4 $\frac{1}{6}$	2 $\frac{3}{4}$	—**	#6-500
ABC 750-22	4	2 $\frac{3}{4}$	3 $\frac{1}{4}$	—**	1/0-750
ABC 750-33	6	4 $\frac{3}{6}$	3 $\frac{1}{4}$	—**	1/0-750
ABC 750-44	8	5 $\frac{1}{6}$	3 $\frac{1}{4}$	—**	1/0-750

\* EPDM Flexi-Boot, see [page A-56](#).

\*\* For other insulating covers, please consult your Thomas & Betts representative.

**Note:** For oxide-inhibitor option, add "-C" suffix to the catalog number.  
 For streetlight-outlet option, add "-SL" suffix to the catalog number.  
 For special applications, please consult your Thomas & Betts representative.



## Pedestal Connectors and Covers

Insulated and uninsulated pedestal connectors with up to 10 outlets.

### Aluminum Pedestal Connectors

- Compact Zeebar® design doubles cable capacity
- ZVB Series features clear PVC encapsulation to enable safe installations and disconnects — and provide insulation
- Easy to install — all screws are on top, and a  $\frac{5}{16}$ " hex wrench is all you need
- Dual-rated to accept aluminum or copper conductors
- Ball-bottom screws ensure maximum conductor contact pressure and break up interstrand oxides
- Meets or exceeds ANSI C119.4 specifications

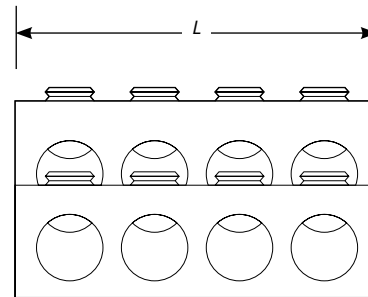


ZVB 5053

#### Insulated and Uninsulated Pedestal Connectors

INSULATED CAT. NO.	UNINSULATED CAT. NO.	OUTLETS	L	CABLE RANGE
ZVB 2023	ZBC 2023	4	2 $\frac{1}{4}$	#12–350
ZVB 3033	ZBC 3033	6	3 $\frac{1}{4}$	#12–350
ZVB 4043	ZBC 4043	8	4 $\frac{1}{4}$	#12–350
ZVB 5053	ZBC 5053	10	5 $\frac{1}{4}$	#12–350
ZVB 2025	ZBC 2025	4	2 $\frac{1}{16}$	#6–500
ZVB 3035	ZBC 3035	6	3 $\frac{1}{16}$	#6–500
ZVB 4045	ZBC 4045	8	4 $\frac{1}{16}$	#6–500
ZVB 5055	ZBC 5055	10	5 $\frac{1}{16}$	#6–500

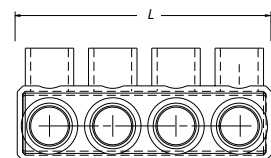
*Note:* For oxide-inhibitor option, add “-C” suffix to the catalog number.  
For a kit containing one uninsulated and two insulated connectors, add “-K” suffix to the catalog number.



Port-separated clear plastic cover provides insulation against accidental contact during installation.

### Insulated Pedestal Connector Bars — Type PSB-C

- Bars are constructed of 6061-T6 aluminum alloy for strength and conductivity
- Standard aluminum set screws with  $\frac{5}{16}$ " socket hex spread compressive forces over conductor strands, reduce strand damage, increase interstrand movement, result in lower contact resistance and provide high set-screw torque retention
- Dual-rated for use with aluminum or copper conductors
- Contax® oxide inhibitor standard in all conductor ports
- Meets ANSI C119.4 specifications
- RUS Accepted



#### 350 Series – Insulated PSB Bars Dual Rated (AL-CU)

CAT. NO.	NO. OF PORTS	CABLE RANGE	LENGTH IN.
PSB4359C	4	#12–350	4.34
PSB6359C	6		6.43
PSB8359C	8		8.53

#### 500 Series – Insulated PSB Bars Dual Rated (AL-CU)

CAT. NO.	NO. OF PORTS	CABLE RANGE	LENGTH IN.
PSB4559C	4	#10–500	4.9
PSB6559C	6		7.28
PSB8559C	8		9.66

*Note:* For additional product options, contact your Thomas & Betts representative.

## Pedestal Connectors and Covers

See the connector through the transparent insulator.

### Insulated Aluminum Pedestal Connectors

- Integral wrench outlet covers — no lost parts to worry about
- Connector and cable outlets for safer connections — the connector securely locks in cover while the cable outlets self adjust
- RUS Accepted



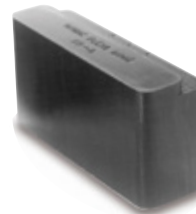
CLR 6350

CAT. NO.	OUTLETS	WIRE RANGE
CLR 340	3	#12-4/0
CLR 440	4	
CLR 540	5	
CLR 640	6	
CLR 3350	3	#12-350
CLR 4350	4	
CLR 5350	5	
CLR 6350	6	

Rugged insulating covers to protect pedestal connectors.

### Insulating Covers for Set-Screw Bar Pedestal Connectors

- FB 33 and FB 6 L feature EPDM rubber flexi-boot and flexible locking ribs
- Boot will not crack from cold embrittlement, will not cold flow and will not soften with heat
- Locking ribs prevent accidental removal of EPDM cover



FB 6 L



FB 33

#### EPDM Rubber FB Series

CAT. NO.	HEIGHT	LENGTH	WIDTH
FB 33	5¼	4¾	3⅝
FB 6 L	3½	7¼	2⅞

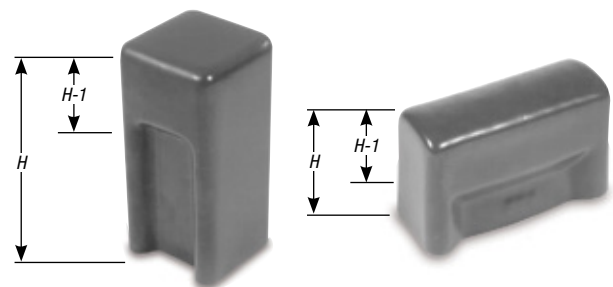
#### PVC BB Series

CAT. NO.	HEIGHT	HEIGHT-1	LENGTH	WIDTH
BB 10	3⅞	1⅞	4⅞	2⅞
BB 11	2⅞	1⅞	5⅞	2⅞
BB 12	3¾	1⅞	7¾	2¾
BB 13	3¾	1⅞	5⅞	2¾
BB 14	3¾	1⅞	8⅞	2¾
BB 15	3¾	1⅞	11⅞	2¾
BB 17	6⅞	2⅞	3⅞	3⅞

#### Polyethylene PB Series

CAT. NO.	HEIGHT	LENGTH	WIDTH
PB 2	8	4	4⅞
PB 1 P	4	6¼	2⅞

**Note:** For cover sizes not listed, please consult your Thomas & Betts representative.  
All boots have a nominal wall thickness of ⅛".  
All sizes given for BB and PB series are inside dimensions.



PB 2



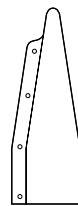
PB 1 P

## Wildlife Protectors

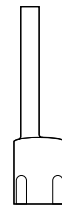
Protect wildlife and prevent interrupted service and lost revenue.

### Wildlife Protectors

- Easy to install
- Reusable
- WL Series are precision-molded in virgin PVC — contaminant-free, safe for contact with wildlife



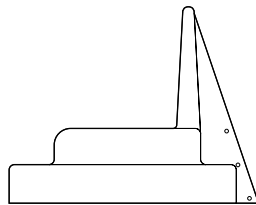
WL 3-12



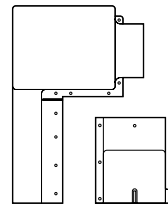
WLP 10 T



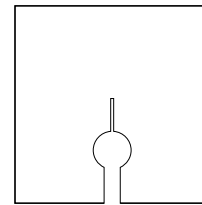
WLP 11 S



WLP-CSP



WL 6137



SQG 1212

CAT. NO.	HEIGHT (IN.)	WIDTH (IN.)	MATERIAL
WL 3-12	12	3	Gray PVC
WL 3.5-16	16	3½	
WLP 10 T	12	2¼ <sub>16</sub>	
WLP 10 T 18-1.5	21½	2¼ <sub>16</sub>	
WLP 11 S	11¼	3	
WLP-CSP	8¾	11¼	
WL 6137	21	16½	High-Density Black Polyethylene
SQG 1212	14¾	14¾	

## Compression Splice Kits

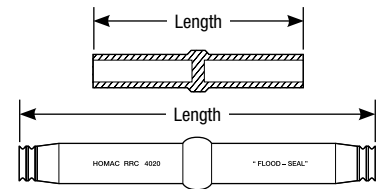
Dissipate heat and make perfect watertight seals.

### Aluminum Flood-Seal® Compression Splice Kits

- Radiating Rib design dissipates heat, centers the watertight insulating cover and seals perfectly every time
- Rubber Flood-Seal® insulating cover fits snugly for maximum heat dissipation, no tape required
- Compact size allows you to install connectors on up to 4/0 cable in only 10" of space using UT 3 M or UT 3 tools
- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- Exceeds ANSI C119.4 requirements and is RUS Accepted



RRK 500



CAT. NO.	COLOR CODE	WIRE SIZE		CONNECTOR LENGTH	INSULATOR LENGTH	INSTALLING DIES	STRIP
		FROM	TO				
RRK 4	Orange	#4	#4	2	5½	½ (3)	1
RRK 2	Red	#2	#2	3	5½	¾ (5)	1½
RRK 24	Red/Orange	#2	#4				
RRK 1	Red	#1	#1				
RRK 10	Yellow	1/0	1/0				
RRK 102	Yellow/Red	1/0	#2				
RRK 20	Gray	2/0	2/0				
RRK 201	Gray/Red	2/0	#1				
RRK 202	Gray/Red	2/0	#2				
RRK 2010	Gray/Yellow	2/0	1/0				
RRK 30	Black	3/0	3/0			4¼	
RRK 3010	Black/Yellow	3/0	1/0				
RRK 3020	Black/Gray	3/0	2/0				
RRK 40	Pink	4/0	4/0				
RRK 4010	Pink/Yellow	4/0	1/0				
RRK 4020	Pink/Gray	4/0	2/0				
RRK 4030	Pink/Black	4/0	3/0	4½	7½	¾ (7)	2¼
RRK 40-840	Pink	4/0	4/0				
RRK 250	None	250	250				
RRK 300	None	300	300				
RRK 350	None	350	350				
RRK 350300	None	350	300				
RRK 35040	None	350	4/0				
RRK 500	None	500	500				
				6¾	10¾	840, 249, 11A 840, 249, 11A 840, TX, 76, 249, 11A 840, TX, 76, 249, 11A 840, TX, 76, 249, 11A 840, TX, 76, 249, 11A	

Note: For copper splice kits, add "CU" suffix to the catalog number.



## Compression Splice Kits

Heat-shrink tubing creates sealed, watertight splices.

### Aluminum Heat-Shrink Compression Splice Kits

- Radiating Rib design dissipates heat, centers the watertight insulating cover and seals perfectly every time
- Heavy-wall heat-shrink tubing enables you to crimp the two pieces of wire together, then heat the splice with a hot-air gun to get a fully sealed, watertight repair splice
- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- Exceeds ANSI C119.4 requirements and is RUS Accepted



RRK 40 HS

CAT. NO.	COLOR CODE	WIRE SIZE		CONNECTOR LENGTH	INSULATOR LENGTH	INSTALLING DIES	STRIP
		FROM	TO				
RRK 4 HS	Orange	#4	#4	2	5½	½ (3)	1
RRK 2 HS	Red	#2	#2	3	5½	⅝ (5)	1½
RRK 24 HS	Red/Orange	#2	#4			⅝ (5)	
RRK 1 HS	Red	#1	#1			⅝ (5)	
RRK 10 HS	Yellow	1/0	1/0			⅝ (5)	
RRK 102 HS	Yellow/Red	1/0	#2	4¼	7¼	⅝ (5)	2¼
RRK 20 HS	Gray	2/0	2/0			⅝ (5)	
RRK 201 HS	Gray/Red	2/0	#1			⅝ (5)	
RRK 202 HS	Gray/Red	2/0	#2			⅝ (5)	
RRK 2010 HS	Gray/Yellow	2/0	1/0	4¼	7¼	⅝ (5)	2¼
RRK 30 HS	Black	3/0	3/0			⅝ (7)	
RRK 3010 HS	Black/Yellow	3/0	1/0			⅝ (5)	
RRK 3020 HS	Black/Gray	3/0	2/0			⅝ (7)	
RRK 40 HS	Pink	4/0	4/0	6¾	10¾	⅝ (7)	2¼
RRK 4010 HS	Pink/Yellow	4/0	1/0			⅝ (7)	
RRK 4020 HS	Pink/Gray	4/0	2/0			⅝ (7)	
RRK 4030 HS	Pink/Black	4/0	3/0			⅝ (7)	
RRK 40-840 HS	Pink	4/0	4/0	4¼	7¼	840, 249, 11A	2¼
RRK 250 HS	None	250	250			840, 249, 11A	
RRK 300 HS	None	300	300			840, TX, 76, 249, 11A	
RRK 350 HS	None	350	350			840, TX, 76, 249, 11A	
RRK 350300 HS	None	350	300	6¾	10¾	840, TX, 76, 249, 11A	2¼
RRK 35040 HS	None	350	4/0			840, TX, 76, 249, 11A	
RRK 500 HS	None	500	500	6¾	10¾	472, 655, 13A, 96, 1½-2	2¼

Note: Use the Homac UT 3 or UT 3 M tool for wire sizes up to 4/0.

## Compression Splice Kits

Dissipate heat and make perfect watertight connections.

### Copper Flood-Seal® Compression Splice Kits

Homac® Copper Flood-Seal® Compression Splice Kits enable you to quickly make watertight copper-to-copper splice connections or repair copper service cables damaged by dig-ins or failures and restore their watertight integrity.

The unique design of the splice/cover combination makes this the fastest and easiest watertight splicing solution available. The pre-greased insulating cover slides effortlessly onto the cable. After you've prepared the cable and crimped the splice, simply slide the cover back over the splice until it is positively centered and mates with the connector rib. That's it — no cutting, taping, heat guns or pull cords!

- Radiating Rib dissipates heat, centers the watertight insulating cover and seals perfectly every time
- Single-piece Flood-Seal® insulating covers are pre-lubricated and sized for the connection
- Easy installation saves you time and money
- Exceeds ANSI C119.1 requirements



RRK 2 CU



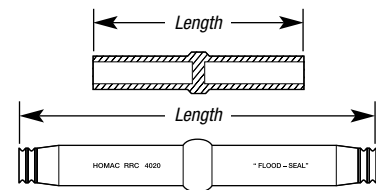
RRK 20 CU



RRK 250 CU



RRK 500 CU



CAT. NO.	WIRE SIZE	CONNECTOR LENGTH	INSULATOR LENGTH	INSTALLING DIES	STRIP LENGTH
RRK 2 CU	#2	2	4½	TQ, 42, 163, ½	1
RRK 10 CU	1/0	2½	5½	TU, 52, BG, 243, ⅝	1½
RRK 20 CU	2/0	2½	5½	TU, 52, BG, 243, ⅝	1½
RRK 30 CU	3/0	2½	5½	TU, 52, BG, 243, ⅝	1½
RRK 40 CU	4/0	2¾	7¼	TW-TY, 54, 243	1¾
RRK 250 CU	250	2¾	7½	840, 76, 249	1¾
RRK 350 CU	350	2¾	7½	840, 76, 249	1¾
RRK 500 CU	500	3¾	9½	96, 472, 655, 1⅞-2	1¾

## Compression Splice Kits

Dual-rated kits approved for a wide range of aluminum or copper connections.

### Aluminum Flood-Seal® Compression Splice Kits

- All kits include one submersible splice cover and one aluminum compression splice to ensure a fully insulated, watertight repair splice, no tape required
- Prefilled with oxide inhibitor and capped to prevent oxidation and keep out moisture.



FSK 500

CAT. NO.	WIRE SIZE		SPLICE COVER	CAT. NO.	WIRE SIZE		SPLICE COVER
	FROM	TO			FROM	TO	
FSK 4	#4	#4	FSS 20	FSK 350 R 4/0	350	4/0	FSS 500
FSK 2	#2	#2		FSK 350	350	350	
FSK 1	#1	#1		FSK 400	400	400	
FSK 1/0	1/0	1/0		FSK 500 R 4/0	500	4/0	
FSK 1/0 R 2	1/0	#2		FSK 500 R 350	500	350	
FSK 2/0 R 1/0	2/0	1/0		FSK 500	500	500	
FSK 2/0	2/0	2/0		FSK 600	600	600	
FSK 4/0 R 2/0	4/0	2/0	FSS 350	FSK 750	750	750	FSS 1000
FSK 3/0	3/0	3/0		FSK 750 R 500	750	500	
FSK 4/0	4/0	4/0		FSK 1000 R 500	1000	500	
FSK 250	250	250		FSK 1000 R 750	1000	750	
FSK 300	300	300		FSK 1000	1000	1000	

*Note: For kits with copper splices or with open-ended splice covers, please consult your Thomas & Betts representative.*

## Compression Splice Kits

Dual-rated kits include submersible splice cover.

### In-Line Compression Splice Kits

- Heat-shrink kits include pre-sized heat-shrink tubing enabling you to crimp the two pieces together, then heat the splice with a hot-air gun to get a fully sealed, watertight repair splice
- Flood-Seal® kits include a rubber insulating cover that fits snugly for maximum heat dissipation
- All kits also include one submersible splice cover to ensure a fully insulated, watertight repair splice
- Dual-rated and approved for a wide range of aluminum or copper connections
- Prefilled with oxide inhibitor and capped to prevent oxidation and keep out moisture



ULSK 500 HS



ULSK 4/0

#### Heat-Shrink ULSK-HS Series, Pre-Sized Heat-Shrink Tubing Included



CAT. NO.	CONDUCTOR SIZE
ULSK 6 HS	#6
ULSK 4 HS	#4
ULSK 2 HS	#2
ULSK 1 HS	#1
ULSK 1/0 HS	1/0
ULSK 2/0 HS	2/0
ULSK 3/0 HS	3/0
ULSK 4/0 HS	4/0
ULSK 250 HS	250
ULSK 300 HS	300
ULSK 350 HS	350
ULSK 400 HS	400
ULSK 500 HS	500
ULSK 600 HS	600
ULSK 750 HS	750
ULSK 800 HS	800
ULSK 1000 HS	1000

*Note:* For reducing kits, please contact your Thomas & Betts representative.

#### Flood-Seal® ULSK Series

CAT. NO.	CONDUCTOR SIZE	SPLICE COVER
ULSK 8	#8	FSS 20
ULSK 6	#6	
ULSK 4	#4	
ULSK 2	#2	
ULSK 1	#1	
ULSK 1/0	1/0	FSS 350
ULSK 2/0	2/0	
ULSK 3/0	3/0	
ULSK 4/0	4/0	
ULSK 250	250	
ULSK 300	300	FSS 500L
ULSK 350	350	
ULSK 400	400	
ULSK 500	500	
ULSK 600	600	
ULSK 750	750	FSS 1000
ULSK 800	800	
ULSK 1000	1000	

## Compression Splice Kits

Make copper splices using kits with either a rubber insulating cover or heat-shrink tubing.

### Copper In-Line Compression Splice Kits

- Flood-Seal® kits include a rubber insulating cover that fits snugly for maximum heat dissipation
- Heat-shrink kits include pre-sized heat-shrink tubing, enabling you to crimp the two pieces of wire together, then heat the splice with a hot-air gun to get a fully sealed, watertight repair splice
- All kits include one submersible splice cover to ensure a fully insulated, watertight repair splice
- Connectors have a center cable stop to ensure equal cable insertion



#### Heat-Shrink ULCK-HS Series, Pre-Sized Heat-Shrink Tubing Included



SERIES COPPER CONDUCTOR CAT. NO.	CONDUCTOR SIZE
ULCK 8 HS	#8
ULCK 6 HS	#6
ULCK 4 HS	#4
ULCK 2 HS	#2
ULCK 1 HS	#1
ULCK 1/0 HS	1/0
ULCK 2/0 HS	2/0
ULCK 3/0 HS	3/0
ULCK 4/0 HS	4/0
ULCK 250 HS	250
ULCK 300 HS	300
ULCK 350 HS	350
ULCK 400 HS	400
ULCK 500 HS	500
ULCK 600 HS	600
ULCK 750 HS	750
ULCK 1000 HS	1000

*Note: For kits with open-ended splice covers, for splices not shown or for reducing kits, please consult your Thomas & Betts representative.*

#### Flood-Seal® ULCK Series

SERIES COPPER CONDUCTOR CAT. NO.	CONDUCTOR SIZE	SPLICE COVER
ULCK 8	#8	FSS 20
ULCK 6	#6	
ULCK 4	#4	
ULCK 2	#2	
ULCK 1	#1	
ULCK 1/0	1/0	FSS 350
ULCK 2/0	2/0	
ULCK 3/0	3/0	
ULCK 4/0	4/0	
ULCK 250	250	FSS 500L
ULCK 300	300	
ULCK 350	350	
ULCK 400	400	
ULCK 500	500	
ULCK 600	600	FSS 1000
ULCK 750	750	
ULCK 800	800	
ULCK 1000	1000	

## Aluminum Mechanical Splice Kits

Range taking — no compression tools and dies required.

### Aluminum Flood-Seal® Mechanical Splice Kits

- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- Dual-rated and approved for use with aluminum or copper conductors
- EPDM rubber splice covers ensure a fully insulated, watertight repair splice — there's no taping, heat shrink or mastic required
- Sized for most conductors perfect for repairing any 2-, 3- or 4-wire installation
- RUS Accepted



CAT. NO.	CONDUCTOR RANGE	CONNECTOR LENGTH	NUMBER OF SCREWS PER SIDE	
<b>Two-Wire Kits</b>				
USK 2/0 (SLOTTED SCREW)	#14-2/0	1½	1	
USK 2/0 AH		1½		
USK 4/0	#4-4/0	2		
USK 350*	#6-350	2¼		
USK 350-4		4		
USK 350-12*†		12		
USK 350-18*†		18		
UH 11		4¼		
UH 11 L†		6½		
USK 350-12 DS		12		
USK 350-18 DS†		18		
USK 500	#2-500	4¼		2
USK 500 L†		7½		
USK 500-12†		12		
USK 500-16†		16		
USK 750	250-750	16¼		

\* UL Listed.

† Repair kits.

CAT. NO.	CONDUCTOR RANGE	CONNECTOR LENGTH
<b>Compression-Type Repair Kits</b>		
URS 125	#2-350 (standard one-hole lugs)	17½
<b>Three-Wire Kits</b>		
SL 3-2 K	#4-#14 CU / 2-14 AL	3
USK 4/0 SL	Side "A" (#6-350), Side "B" (1/0-4/0 with #6-#14 sol. tap)	Accommodates 3 wires
<b>Four-Wire Kits</b>		
FSS 42-212 AH	#2-#12	4
UH 11 SL	Side "A" (#6-350), Side "B" (1/0-4/0 with #6-#14 sol. tap)	Accommodates 4 wires
MTB 350-1	#6-350	4
MTB 350		

## Aluminum Mechanical Splice Kits

Watertight connections made easy — no tools, tape or heat shrinking!



### Aluminum Flood-Seal® Inline Watertight Splice Kits

Homac® Flood-Seal® Inline Watertight Splice Kits enable you to make watertight splice connections quickly — without the need for time-consuming compression tools, insulating tape or heat-shrink insulation.

- Flood-Seal® technology provides superior insulating, waterproofing and UV-resistant performance without tape or shrinks — no heat guns or pull cords
- Rubber-insulated aluminum splices feature mechanical set-screw connections for fast, easy installation resulting in lower installed cost
- Cat. No. RABS 35012 universal range-taking splice accommodates aluminum and copper conductor sizes from #12 to 350 kcmil with only one SKU
- Three dual-rated splices accommodate a wide range of aluminum and copper conductor sizes and require no cutting of insulator for fast, easy installation
- Suitable for direct burial, handhole and overhead applications
- Exceeds ANSI C119.1 requirements



RABS 35012 Universal Range-Taking Splice



RABS 350250, RABS 4010 and RABS 16 No-Cut Style Splices

#### Universal Range-Taking Dual-Rated Splice

CAT. NO.	CONDUCTOR SIZE AND SEALING RANGE
RABS 35012	#12 AWG to 350 kcmil

#### No-Cut Style Dual-Rated Splices

CAT. NO.	CONDUCTOR SIZE AND SEALING RANGE
RABS 16	#6 to #1 AWG
RABS 4010	1/0 to 4/0 AWG
RABS 350250	250 to 350 kcmil

## Insulating Covers and End Caps

Watertight, fully insulated covers for a variety of splice applications.

### Flood-Seal® Insulating Covers

- Sizes for most conductors — perfect for copper or aluminum conductors ranging from #14 AWG to 1500 kcmil
- Easy-to-install, waterproof twin-tap covers
- Cut the proper cable rings at each end of the Twin-Tap cover and slide cover halves over cables; the cover halves are mated, enclosing the compression tap in a waterproof seal
- Eliminate taping to significantly reduce labor and material cost of splice preparation
- Rated 600 volts — built for heavy-duty loads
- RUS Accepted



#### FSS Series

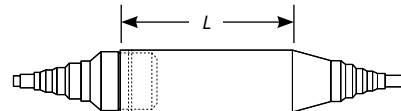


CAT. NO.	COPPER CONDUCTOR RANGE	ALUMINUM CONDUCTOR RANGE	CABLE INSULATION DIAMETER RANGE	L
FSS 20	#14-2/0	#14-2/0	.150-.600	2¼
FSS 20 L	#14-2/0	#14-2/0	.150-.600	3¾
FSS 350	#14-350	#14-350	.150-.980	4¾
FSS 350 L	#14-350	#14-350	.150-.980	7½
FSS 500	#14-500	#14-500*	.150-1.175	4¾
FSS 500 L	#14-500	#14-500	.150-1.175	7¾
FSS 1000 S	#2-1000	#2-750	.370-1.600	5
FSS 1000	#2-1000	#2-1000	.370-1.600	10
FSS 1000-16	#2-1000	#2-1000	.370-1.600	13¾
FSS 1000 L	#2-1500	#2-1000	.370-1.600	18¾

\* For 500 kcmil aluminum, remove liner from cap.



FSS 350



#### Twin-Tap\*

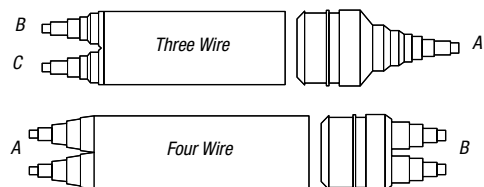
CAT. NO.	CONDUCTOR RANGE		
	A	B	C
FSS 1010-4	#14-1/0	#14-1/0	N/A
FSS 4010-4	#14-250	#14-1/0	N/A
FSS 4010-4 L	#8-250	#14-1/0	N/A
FSS 4040	#14-500	#14-250	#14-250
FSS 4040 L	#14-500	#8-250	#14-2/0
FSS 5010	#14-500	#14-2/0	#14-2/0
FSS 5035	#2-1500	#14-500	#14-400
FSS 5035-4	#14-500	#14-400	N/A

\* Not UL Listed.



FSS 4040

FSS 5035-4



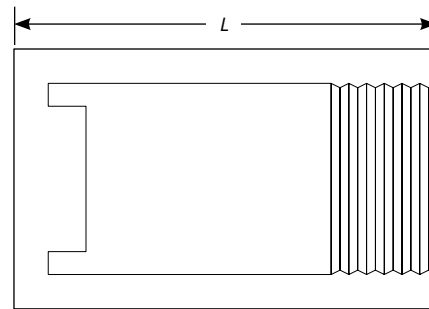


## Insulating Covers and End Caps

Cap off your cable with our cable end caps.

### Flood-Seal® Cable End Caps

- EPDM rubber construction and multiple internal sealing ring design enables each cap to fit wide decimal range
- Reusable to save money
- Durable and unaffected by sun, rain or soil
- Tight fitting to prevent accidental removal
- Watertight — doesn't require tape, compound or heat source for fitting
- Dielectrically tested to ANSI C119.1 requirement (2,200 volts AC for one minute)



#### Cable End Caps — 660V Cable Application

CAT. NO.	L	DECIMAL RANGE		MM		CONCENTRIC		COMPRESSED		COMPACT	
		MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.
CAP 35	3/4	.250	.425	6.4	10.8	#6	#2	#6	#2	#6	#2
CAP 45	7/8	.360	.562	9.1	14.3	#2	1/0	#2	1/0	#2	2/0
CAP 55	1	.455	.626	11.6	15.9	#1	3/0	#1	3/0	#1	3/0
CAP 65	1 1/4	.575	.750	14.6	19.0	2/0	250	3/0	300	3/0	300
CAP 85	1 3/8	.720	.973	18.3	24.7	250	400	350	400	250	400
CAP 95*	1 7/8	.970	1.185	24.6	30.1	500	700	500	750	600	800
CAP 105*	2 1/8	1.120	1.400	28.4	35.6	750	1000	750	1000	800	1000
CAP 125*	2 3/8	1.200	1.475	30.5	37.5	750	1000	750	1000	800	1000
CAP 130*	2 1/2	1.390	1.650	35.3	41.9	1233.7	1250	—	—	—	—
CAP 135*	2 5/8	1.465	1.750	37.2	44.5	1500	1578.8	—	—	—	—
CAP 145*	2 7/8	1.650	1.925	41.9	49.0	1973.5	2000	—	—	—	—
CAP 150*	3	1.860	2.230	47.2	56.6	Fits High-Voltage Cable Only					
CAP 155*	3	2.150	2.500	54.6	63.5	Fits High-Voltage Cable Only					

\* Indicates cap with internal protective button.

**Note:** Conductor ranges shown are for outer diameter over cable insulation.  
For cable sizes not listed, please consult your Thomas & Betts representative.

## Pipe and Conduit Seals

Rubber-insulated end caps for commercial pipes and conduits.

### Flood-Seal® Pipe/Conduit Seals

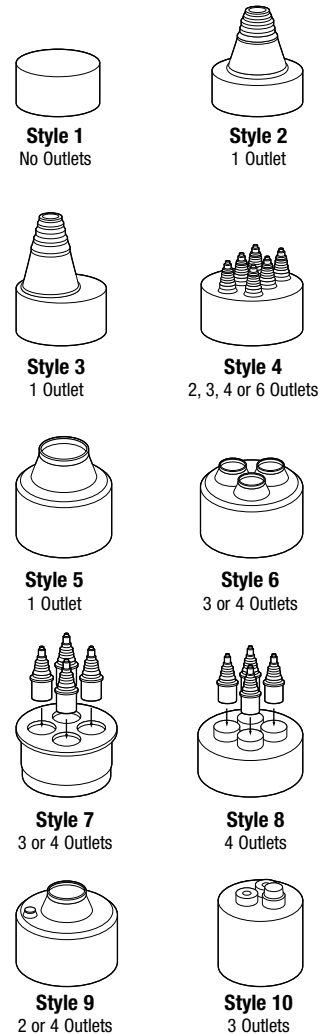
- Flood-Seal® EPDM rubber seals out water, insects, rodents and dirt
- Durable unaffected by sun, rain or soil
- Easily removable
- Ideal for installations or cable replacements
- Tight fitting to prevent accidental removal



CAT. NO.	PIPE SIZE (IPS)	STYLE	RANGES		OUTSIDE BODY LENGTH
			CONDUCTOR	DECIMAL	
CIC 75-3	¾	10	#14-#10	—	1½
CIC 50-3	½	10	#14-#10	—	1¾
CIC 1-4	1	4	(4)#14-#4	SL-.380	2¼ <sup>32</sup>
CIC 150		5	—	.720-1.200	1¾
CIC 15-320	1½	6	(3)#2-2/0	.370-.580	1¾
CIC 15-420		6	(4)#2-2/0	.370-.580	1¾
C-5230		4	(2)#14-350, (1)#14-1/0	SL-.910, SL-.540	1½
C-5035		4	(1)#14-400, (1)#14-500	SL-.980, SL-1.175	1 <sup>15</sup> / <sub>16</sub>
C-5231		4	(3)#14-350, (1)#14-4/0	SL-.980, SL-.690	2
CIC 200	2	5	—	1.093-1.562	2
CIC 201		5	—	.937-1.145	4
PS 2		7	(3)#14-250	SL-.765	1 <sup>15</sup> / <sub>16</sub>
3133		2	300-1500	.760-1.880	2 <sup>1</sup> / <sub>8</sub>
3133-6		2	300-1500	.760-1.880	6 <sup>1</sup> / <sub>8</sub>
CIC 25-440	2½	4	(4)#2-4/0	.390-.690	2¼
CAP 250		1	NA	NA	3
PS 25		7	(2)#14-350, (1)#14-250	SL-.980, SL-.765	1 <sup>15</sup> / <sub>16</sub>
3135		2	350-2000	.830-2.234	2½
CAP 300		1	NA	NA	2½
CVC 3*	3	6	—	(3)1.093-1.562	2 <sup>11</sup> / <sub>16</sub>
CNC 3-1G		9	—	(1)1.031-1.531, (1).280-.420	2½
PS 3		7	(3)#14-350, (1)#14-250	SL-.980, SL-.765	1 <sup>15</sup> / <sub>16</sub>
PSX 3		9	(3)#14-350, (1)#14-250	SL-.980, SL-.765	2½
PSX 35	3½	8	(3)#14-500, (1)#14-250 & 350-500	SL-1.175 SL-.765	3 <sup>15</sup> / <sub>16</sub>
3138		4	#14-400	SL-.980	2
6318		3	—	1.500-3.00	2 <sup>11</sup> / <sub>16</sub>
CAP 400		1	NA	NA	2 <sup>11</sup> / <sub>16</sub>
CNC 4-1G	4	9	—	(1)1.031-1.531, (1).280-.420	2¾
CVC 4*		6	—	(3)1.125-1.875	3 <sup>3</sup> / <sub>16</sub>
PS 4		7	(3)#14-500, (1)#14-350	SL-1.175, SL-.980	1¾
CIC 401		2	—	.830-2.234	3 <sup>1</sup> / <sub>8</sub>
CAP 500		1	NA	NA	2 <sup>15</sup> / <sub>16</sub>
CVC 5*	5	6	—	1.250-2.00	3 <sup>7</sup> / <sub>16</sub>
PS 5		7	(3)#2-1500, (1)#14-500	.370-1.600, SL-1.175	2 <sup>1</sup> / <sub>8</sub>
PS 6	6	7	(4)#2-1500	.370-1.600	2¾

\* Vent cap, not watertight.

Note: For sizes not listed, please consult your Thomas & Betts representative.



## Breakaway Street Light Kits

Everything you need for copper connections to roadway lighting.

# Flood-Seal® Street and Highway Lighting Compression Fuse and Non-Fused Kits — In-Line

Copper In-Line Fuse Kits include Flood-Seal housing, fuse clips, silicone lubricant and instruction sheet. Fuse is not included. Fuse Kits accept non-glass standard cartridge fuses of 1/2" diameter and 1 1/2" length.

Copper In-Line Non-Fused Kits include Flood-Seal housing, connecting link, silicone lubricant and instruction sheet.

- EPDM rubber housing ensures a fully insulated, watertight and submersible connection
- Breakaway design separates under tension so wires don't break
- Safe separations — fuse or connecting link stays in load side when separated
- Rated for 600V, 30A maximum — perfect for heavy-duty applications

### Compression In-Line Fuse Kits

SINGLE HOUSING CAT. NO.	TWIN HOUSING CAT. NO.	CU WIRE SIZE		INSTALLATION TOOL
		STR.	SOL.	
SLK 6	SLT 6	#14-#10	#14-#8	T&B WT111M, C Die or Equal
		#8-#6	#6-#4	T&B TBM20S, Blue Die or Equal
SLK 2	SLT 2	#4	#2	T&B TBM20S, Gray Die or Equal
		#2	—	T&B TBM20S, Brown Die or Equal



SINGLE HOUSING CAT. NO.	TWIN HOUSING CAT. NO.	#6 SIDE				#2 SIDE		
		CU WIRE SIZE		INSTALLATION TOOL	CU WIRE SIZE		INSTALLATION TOOL	
		STR.	SOL.		STR.	SOL.		
SLK 6-2	SLT 6-2	#14-#10	#14-#8	T&B WT111M, C Die or Equal	#4	#2	T&B TBM20S, Gray Die or Equal	
		#8-#6	#6-#4		T&B TBM20S, Blue Die or Equal	#2		—

### Compression In-Line Non-Fused Kits

SINGLE HOUSING CAT. NO.	TWIN HOUSING CAT. NO.	CU WIRE SIZE		INSTALLATION TOOL
		STR.	SOL.	
SDK 6	SDT 6	#14-#10	#14-#8	T&B WT111M, C Die or Equal
		#8-#6	#6-#4	T&B TBM20S, Blue Die or Equal
SDK 2	SDT 2	#4	#2	T&B TBM20S, Gray Die or Equal
		#2	—	T&B TBM20S, Brown Die or Equal



SINGLE HOUSING CAT. NO.	TWIN HOUSING CAT. NO.	#6 SIDE				#2 SIDE		
		CU WIRE SIZE		INSTALLATION TOOL	CU WIRE SIZE		INSTALLATION TOOL	
		STR.	SOL.		STR.	SOL.		
SDK 6-2	SDT 6-2	#14-#10	#14-#8	T&B WT111M, C Die or Equal	#4	#2	T&B TBM20S, Gray Die or Equal	
		#8-#6	#6-#4		T&B TBM20S, Blue Die or Equal	#2		—

**Note:** For 60A options, add "-60" suffix to the catalog number.  
For larger wire sizes, please consult your Thomas & Betts representative.

## Breakaway Street Light Kits

Ideal for heavy-duty applications.

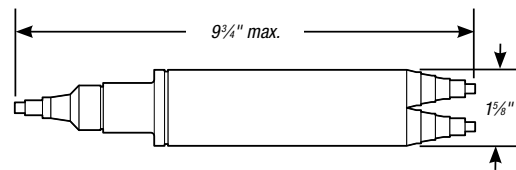
### Flood-Seal® Street and Highway Lighting Mechanical Fuse and Disconnect Kits — Y-Type



Aluminum and Copper Y-Type Fuse Kits include Flood-Seal housing, fuse clips, two aluminum lugs, hardware, silicone lubricant and instruction sheet. Fuse is not included.

Aluminum and Copper Y-Type Disconnect Kits include Flood-Seal housing, fuse clips, connecting link, two aluminum or copper lugs, hardware, silicone lubricant and instruction sheet.

- EPDM rubber housing ensures a fully insulated, watertight and submersible connection
- Safe separations—fuse or connecting link stays in load side when separated
- Dual-rated and approved for a wide range of aluminum or copper conductors
- Rated for 600V, 30A maximum—perfect for heavy-duty applications
- Some Fuse Kits can even accept a 60A fuse



#### 600 Volt, 30 Amp Max., Fused

CAT. NO.	WIRE SIZE STRANDED	FUSED/NON-FUSED	INSTALLING DIES
FYA-6	#6	Fused (Aluminum Run, Copper Tap)	52, BG, 243, 5/8
FYA-4	#4		52, BG, 243, 5/8
FYA-2	#2		52, BG, 243, 5/8
FYA-1/0	1/0		52, BG, 243, 5/8
FYA-2/0	2/0		58, 297, 245, 5/8-1
FYC-8	#8	Fused (Copper Run, Copper Tap)	1/4, 6, TC, 21
FYC-6	#6		J, 7, TE, 24
FYC-4	#4		5/16, 8, TP, 29
FYC-2	#2		3/8, 10, TL-TN, 33
FYC-1	#1		3/8, 11K TB, 37
FYC-1/0	1/0		1/2, 12, TQ, 42
FYC-2/0	2/0		5/16, 13, TS, 45

**Note:** If fixture or tap wire is aluminum, add the following suffixes to the catalog number:

-2A for 14–10 Stranded or 12–8 Solid. For example, FYC 1/0-2A.  
 -3A for 8–6 Stranded or 6–4 Solid. For example, FYA 1/0-3A.

#### 600 Volt, 30 Amp Max., Non-Fused

CAT. NO.	WIRE SIZE STRANDED	FUSED/NON-FUSED	INSTALLING DIES
DYA-6	#6	Non-Fused (Aluminum Run, Copper Tap)	52, BG, 243, 5/8
DYA-4	#4		52, BG, 243, 5/8
DYA-2	#2		52, BG, 243, 5/8
DYA-1/0	1/0		52, BG, 243, 5/8
DYA-2/0	2/0		58, 297, 245, 5/8-1
DYC-8	#8	Non-Fused (Copper Run, Copper Tap)	1/4, 6, TC, 21
DYC-6	#6		J, TE, 24
DYC-4	#4		5/16, 8, TP, 29
DYC-2	#2		3/8, 10, TL-TN, 33
DYC-1	#1		3/8, 11K TB, 37
DYC-1/0	1/0		1/2, 12, TQ, 42
DYC-2/0	2/0		5/16, 13, TS, 45

## Breakaway Street Light Kits

In-line mechanical kit options for aluminum or copper conductors.

### Flood-Seal® Street and Highway Lighting Mechanical Fuse and Disconnect Kits — In-Line

In-Line Fuse Kits include Flood-Seal housing, fuse clips, silicone lubricant and instruction sheet. Fuse is not included. Fuse Kits accept non-glass standard cartridge fuses of 1/2" diameter and 1 1/2" length. SLK 22-60 M, SLK 102-60 M and SLK 1010-60 M Fuse Kits can also accept a 60A fuse measuring 2 1/4" long.

In-Line Non-Fused Kits include Flood-Seal housing, connecting link, silicone lubricant and instruction sheet.

- EPDM rubber housing ensures a fully insulated, watertight and submersible connection
- Safe separations — fuse or connecting link stays in load side when separated
- Dual-rated and approved for a wide range of aluminum or copper conductors
- Rated for 600V, 30A maximum — perfect for heavy-duty applications
- Some fuse kits can even accept a 60A fuse



CAT. NO.	FUSED/NON-FUSED	CONDUCTOR RANGE (AL/CU)	
		STRANDED	SOLID
<b>In-Line Kits</b>			
SLK M	Fused	12, 10, 8, 6, 4	12, 10, 8, 6, 4
SLT M†			
SDK M	Non-Fused	12, 10, 8, 6, 4	12, 10, 8, 6, 4
SDT M†			
<b>In-Line Variable-Range Kits</b>			
SLK 22 M	Fused	#2-#14	#2-#14
SLK 102 M		1/0-#2	#2-#14
SLK 1010 M		1/0-#2	1/0-#2
SLK 22-60 M*		#2-#14	#2-#14
SLK 102-60 M*		1/0-#2	#2-#14
SLK 1010-60 M*		1/0-#2	1/0-#2
SDK 22 M	Non-Fused	#2-#14	#2-#14
SDK 102 M		1/0-#2	#2-#14
SDK 1010 M		1/0-#2	1/0-#2

† Indicates twin housing.

\* 60A fuse max. 60A fuses are 2 1/4" long.

**Note:** 600V, 30A fuse not included. Fused kits accept standard cartridge fuse with 1/2" diameter, 1 1/2" length, non-glass type.

## Breakaway Street Light Kits

Standard and mechanical run compression tap kits for your roadway lighting jobs.

## Flood-Seal® Street and Highway Lighting Mechanical Fuse and Disconnect Kits — Y-Type



Mechanical Y-Type Fuse Kits include Flood-Seal housing, fuse clips, dowel and silicone lubricant. Fuse is not included. Fuse Kits accept non-glass standard cartridge fuses of 1 $\frac{1}{32}$ " diameter and 1 $\frac{1}{2}$ " length.

- EPDM Flood-Seal® housing ensures a fully insulated, watertight and submersible connection
- Breakaway design separates under tension so wires don't break
- Safe separations — fuse or connecting link stays in load side when separated
- Re-enterable to enable sectionalizing
- Matching ampacity rating — run or feeder lugs have the same ampacity rating as the cable, up to 2/0
- Rated for 600V, 30A maximum — perfect for heavy-duty applications
- Y-Type mechanical run compression taps use a  $\frac{1}{8}$ " hex wrench for easy installation

CAT. NO.	FUSED/NON-FUSED	CONDUCTOR RANGE (AL/CU)	
		MAIN	TAP
<b>Y-Type Disconnect Kits</b>			
FYU M	Fused	#14-#2	#12-#4
DYU M	Non-Fused		
<b>Y-Line Mechanical Run Compression Kits</b>			
FYU 6	Fused	#14-#2	#14-#6
FYU 2			#4-#2
DYU 6	Non-Fused		#14-#6
DYU 2			#4-#2

## Mechanical Street Light Connectors

Two connector styles to match your application.

### Flood-Seal® Street and Highway Lighting Mechanical Connectors

- EPDM Flood-Seal® housing ensures a fully insulated, watertight and submersible connection.
- Dual-rated to accept aluminum or copper conductors ranging from #14 to 1/0 AWG.



RAB 1/0-4  
(Style 1)

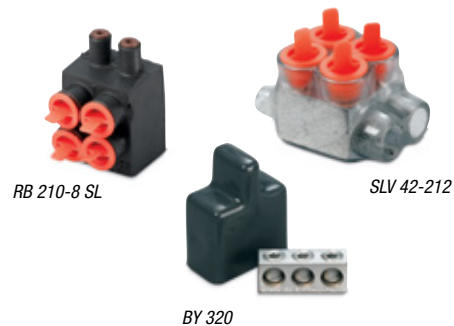
CAT. NO.	CONDUCTOR RANGE	OUTLETS	STYLE
RAB 1/0-2	#14 – 1/0	2	Style 1
RAB 1/0-3		3	
RAB 1/0-4		4	
RAB 1/0-5		5	
RAB 1/0-6		6	
RAB 1/0-7		7	
RAB 1/0-8		8	
RAB 1/0-9		9	
RAB 1/0-10		10	
RAB 1/0-21		3	
RAB 1/0-22		4	
RAB 1/0-31		4	
RAB 1/0-32		5	
RAB 1/0-33		6	
RAB 1/0-42		6	

*Note:* For oxide-inhibitor option, add “-C” suffix to the catalog number.

## Insulated connectors for above-ground applications.

### Insulated Street and Highway Lighting Mechanical Connectors

- Rubber insulation ensures an insulated connection
- Models with street light connectors fit a range of mains and taps
- SLV Series features clear PVC to enable safe and time-saving installation
- SLV Series sized for a range of conductors — perfect for multiple installation types
- BY Series features a PVC boot and locking insulator to ensure a fully insulated connection; the connector stays on until removal is necessary



RB 210-8 SL

SLV 42-212

BY 320

CAT. NO.	DESCRIPTION
<b>RB Series — Rubber Insulated</b>	
RB 210-8 SL	Main 1/0 max., Tap #12 – #8
RB 210-8 SS	Main 1/0 max., Tap #12 – #8
RB 6240 SL	Main 2/0 – #14, Tap #14 – #6
<b>SLV Series — Clear PVC Encapsulated</b>	
SLV 240-24	Main (2) 4/0 – #6, Tap (2) #4 – #14
SLV 42-212	#12 – #2
<b>BY Series — PVC Insulated</b>	
BY 320	#14 – 2/0

*Note:* For oxide-inhibitor option, add “-C” suffix to the catalog number.

## Temporary Service Adapter System

Provide quick, temporary residential power where it's needed.

### Temporary Service Adapter System

- Ideal for providing short-duration emergency service to improve service reliability and customer satisfaction
- Restores power to customer — keeping the meter running and continuing to generate revenue — while crews conduct troubleshooting and repairs
- Load-side adapter mounts between meter and meter socket at the house in need of power
- Source-side adapter mounts between meter and meter socket at a nearby house with power
- Each meter measures the energy consumption of its respective home
- Source-side adapter also available for connection to a nearby operable transformer
- System will not permit backfeed of power to the faulted cable
- Pre-assembled connections offer ready-to-use convenience
- Supports 75A current rating
- Handy cable reel available for easy transport

The Homac<sup>®</sup> Temporary Service Adapter System provides a fast, convenient way to restore service temporarily, so the customer has power while your crews identify and repair the problem.

The Temporary Service Adapter System consists of a load-side adapter that mounts between the meter and meter socket of the house in need of power.

The source side can be accomplished with a similar adapter that can be mounted between the meter and meter socket of a nearby house.

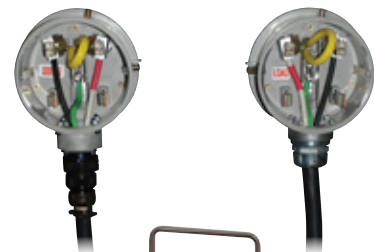
Alternate source-side adapter assemblies allowing for direct connection to padmount or overhead transformers are also available.

All connections are pre-assembled for quick, easy installation. Once the problem has been repaired, simply disconnect the Temporary Service Adapter System and store it for future use.

With the Homac<sup>®</sup> Temporary Service Adapter, you can both improve customer satisfaction and have the flexibility to schedule repairs during regular business hours instead of after hours.

#### Current Rating:

Components for #4 AWG Wire: 75A max.





## Temporary Service Adapter System and Equipment Locks

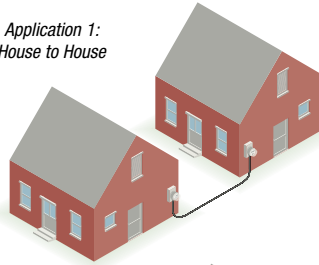
### Temporary Service Adapter System (continued)

#### Homac® Temporary Service Adapter System Components

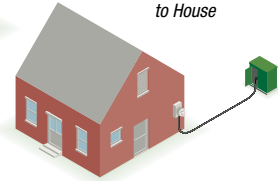
CAT. NO.	DESCRIPTION
<b>Source-Side Adapters*</b>	
MSA 4-S	Source-Side Meter Socket Adapter for #4 Wire
MSA 4-S50	Source-Side Meter Socket Adapter with 50-ft. #4 Wire
MSA 4-S100	Source-Side Meter Socket Adapter with 100-ft. #4 Wire
MSA 4-T8	Source-Side Transformer Adapter with 8-ft. #4 Wire
<b>Load-Side Adapters*</b>	
MSA 4-L8	Load-Side Meter Socket Adapter with 8-ft. #4 Wire
MSA 4-L50	Load-Side Meter Socket Adapter with 50-ft. #4 Wire
MSA 4-L100	Load-Side Meter Socket Adapter with 100-ft. #4 Wire
<b>Extension Cords</b>	
MSA 4-E50	50-ft. #4 Extension Cord
MSA 4-E100	100-ft. #4 Extension Cord
MSA 4-E50-CR	50-ft. #4 Extension Cord on Cable Reel
MSA 4-E100-CR	100-ft. #4 Extension Cord on Cable Reel

\* Homac® Temporary Service Adapters feature a ringless adapter that fits most standard ringed or ringless residential meter sockets. To ensure full compatibility, please specify the manufacturer of the meter sockets to which you'll be connecting when ordering.

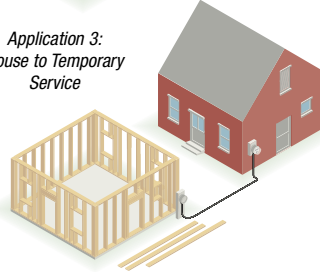
Application 1:  
House to House



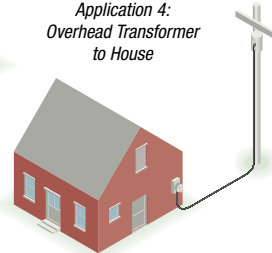
Application 2:  
Padmount Transformer  
to House



Application 3:  
House to Temporary  
Service

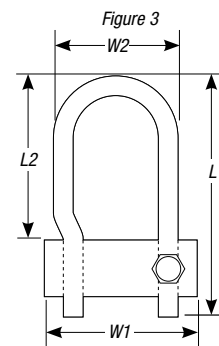
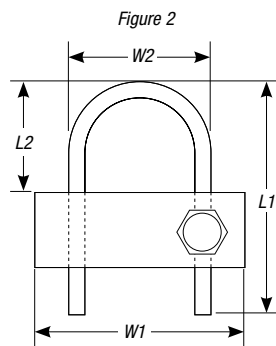
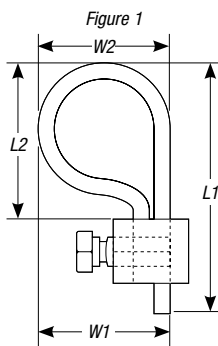
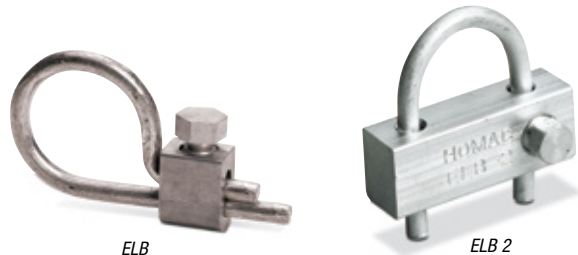


Application 4:  
Overhead Transformer  
to House



### Rugged, reliable protection for your pad-mount transformers. Equipment Locks

- Shear-head screw provides tamper-proof security for your transformer connector equipment
- Three models available — secure your equipment with a mix of all three models for added protection



CAT. NO.	FIGURE NO.	DIMENSIONS (INCHES)				ALUMOWELD GAUGE
		L1	L2	W1	W2	
ELB	1	2.13	1.25	1.06	.94	6
ELB 2	2	2.19	1.25	2.00	1.00	4
ELB 2 A	3	3.00	1.69	2.00	1.06	4

## Sealants and Lubricants

Seals electrical connections from oxygen and moisture.

### HOM-OX Oxide Inhibitor

- Fully compatible with all solid insulating materials, including rubber, paper and impregnating oils
- Stable over a wide operating temperature range of -40° F to 300° F
- HM 52 and HM 56 are also joint compounds for making full-tension splices and aluminum cable connections, respectively



CAT. NO.	DESCRIPTION
HM 52 (1/2 PINT)	Oxide-Inhibiting Joint Compound for Full-Tension Splices Only. ½ Pint (8 fl. oz.)
HM 53 (1/2 PINT)	Oxide-Inhibiting Compound for Non-Tension Splices or Pad-to-Pad Applications. ½ Pint (8 fl. oz.)
HM 56 (1/2 PINT)	Oxide-Inhibiting Joint Compound for Overhead Compression, Partial-Tension Splices, Service Entrance and Pin Terminals. ½ Pint (8 fl. oz.)

*Note: For larger container sizes, please consult your Thomas & Betts representative.*

Stop surface oxides from interfering with current transfer between electrical components.

### EC-S8C Oxide Inhibitor

- Use on aluminum-to-aluminum, aluminum-to-copper and copper-to-copper applications
- Safe for use on cables — does not affect rubber or cable insulation; does not contain grit
- Stable over a wide operating temperature range of 0° F to 460° F
- Non water-soluble, non petroleum-based polymer grease does not stain



CAT. NO.	DESCRIPTION
EC-S8C	Oxide-Inhibiting Joint Compound. ½ Pint (8 fl. oz.)

*Note: For a more effective electrical connection, all conductors need to be wire-brushed right before the application of this compound. Wire brushing is not recommended on tin-plated components.*

### Thread Lubricant

- Versatile use
- Aids in installations and splices



CAT. NO.	DESCRIPTION
TL 101 (1/2 PINT)	Thread Lubricant, ½ Pint (8 fl. oz.)

### Silicone Lubricant for High-Voltage Electrical Work

- Specially formulated for high-voltage cable
- Best used in heavy-duty electrical applications



CAT. NO.	DESCRIPTION
SL5	.5 oz. Tube

Remove oxides from conductor surfaces.

### Blackburn® WW Wire Bristle Brush

- Easy-grip handle with glove guard prevents rubber glove puncture
- Long-life wire elements can be rotated and are replaceable
- Handle and guard coated with durable, non-conductive plastic for safety



CAT. NO.	DESCRIPTION
WWB1	Complete Brush with Handle
WRB1	Wire Element Only, Pair

**Blackburn®**

# **Blackburn® Overhead**

## **In this section...**



### **Blackburn® Overhead**

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Compression Pin Terminals .....	B-2-B-5
Multi-Tap Eyebolt Connectors .....	B-6-B-7
Storm-Safe® Service Entrance Disconnects .....	B-8-B-9
Service Wedges and Neutral Span Clamps .....	B-10
Aluminum H-Tap Connectors and Covers .....	B-11-B-19
Copper H-Tap Connectors .....	B-20
Stirrup Connectors .....	B-21-B-25
Parallel-Groove Connectors .....	B-26-B-28
Insulation Piercing Connectors .....	B-29
BolTap™ Wedges .....	B-30
PowerTap™ Wedges .....	B-31-B-33
PowerTap™ Tools and Accessories .....	B-34
Hydraulic PowerTap™ System .....	B-35-B-37
Service Entrance Splices .....	B-38-B-45
Service Entrance Connectors .....	B-45
Full- and Semi-Tension Compression Splices .....	B-46-B-56
Automatic Splices and Deadends .....	B-57-B-59
Hot-Line Clamps .....	B-60

**Thomas & Betts**

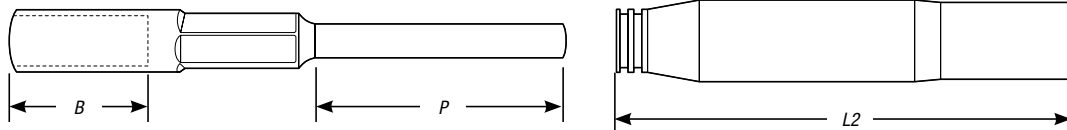
[www.tnb.com](http://www.tnb.com)

## Compression Pin Terminals

For use on aluminum secondary conductors connected to copper clamp-type bushings.

### Flood-Seal® Insulated Compression Pin Terminals

- Fabricated from pure electrolytic aluminum and soft-drawn, tinned copper wire to provide the high strength and conductivity of aluminum and the flexibility of copper
- Flood-Seal® covers provided to ensure a watertight seal on the pin as well as around the aluminum cable insertion; also rated up to 600V
- Oxide inhibitor prevents oxidation
- All pin terminals marked with die references for easy identification



#### Flood-Seal® Insulated Compression Pin Terminals

CAT. NO.	CONDUCTOR SIZE			INSTALLING DIES	P (IN.)	B (IN.)
	ALUM. STR.	ACSR	SOLID CU PIN			
RU 5 U 4	#4	#4	#4	TU, 52, BG, 243, 5/8, 8A	2	15/16
RU 5 U 2	#2	#2	#4	TU, 52, BG, 243, 5/8, 8A	2	15/16
RU 5 U 10	1/0	1/0	#2	TU, 52, BG, 243, 5/8, 8A	2½	15/16
RG 5 U 10	1/0	1/0	#2	5/8-1, 297, 245, TW-TY, 5/8 GOLD	2½	1¾
RG 5 U 20	2/0	2/0	1/0	5/8-1, 297, 245, TW-TY, 5/8 GOLD	2½	1¾
RX 5 U 30	3/0	3/0	1/0	TX, 76, 249, 840, 11A	3	17/8
RX 5 U 40	4/0	4/0	2/0	TX, 76, 249, 840, 11A	3	17/8
RX 5 U 336	300-350	336.4 (18/1)	4/0	TX, 76, 249, 840, 11A	4	17/8

#### Flood-Seal® Insulators Only

CAT. NO.	CONDUCTOR SIZE		L2 (IN.)
	ALUM. STR.	ACSR	
RU 5	#4-1/0	#4-1/0	3 13/16
RG 5	1/0 & 2/0	1/0 & 2/0	5 1/16
RX 5	3/0-336.4	3/0-336.4	6 7/16

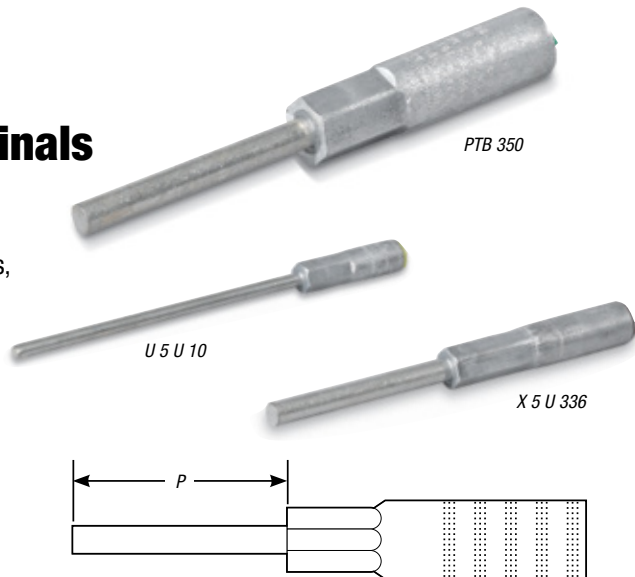
**Note:** For special die requirements, additional pin lengths and offset pin styles, please consult your Thomas & Betts representative.  
For other wire barrel diameters suitable for non-listed dies, please consult your Thomas & Betts representative.

## Compression Pin Terminals

Compression pin terminals for a variety of conductor sizes.

### Aluminum Compression Pin Terminals — Q 5, U 5, X 5 and PT Series

- Connect aluminum and ACSR to copper-alloy equipment clamps, eliminating cold-flow problems of aluminum conductor in copper clamps
- Annealed, tin-plated copper pin ensures high conductivity and bends easily to aid in cable training
- Oxide inhibitor and metal sealant prevent oxidation and protect pin/body from moisture intrusion
- All pin terminals marked with wire size, installing dies and compression locations for easy identification



#### Q 5, U 5 and X 5 Series

CAT. NO.	CONDUCTOR SIZE		ACSR	INSTALLING DIES	SOLID CU PIN	P (IN.)
	ALUMINUM SOL.	STR.				
Q 5 U 8	#6	#8	—	½, 163, TQ, 6A*	4 (.204)	2
Q 5 U 6	#4	#5 & #6	#6		4 (.204)	2
Q 5 U 4	#2	#3 & #4	#4		4 (.204)	2
Q 5 U 2	—	#1 & #2	#2		4 (.204)	2
U 5 U 8	#6	#8	—	¾, 52, BG, TU, 8A*	4 (.204)	2
U 5 U 6	#4	#5 & #6	#6		4 (.204)	2
U 5 U 4	#2	#3 & #4	#4		4 (.204)	2
U 5 U 2	—	#1 & #2	#2		4 (.204)	2
U 5 U 10	—	1/0	1/0	840, WK840, 249, TX, 11A*	2 (.257)	2½
X 5 U 10	—	1/0	1/0		2 (.257)	2½
X 5 U 20	—	2/0	2/0		1/0 (.325)	2½
X 5 U 30	—	3/0	3/0		1/0 (.325)	3
X 5 U 40	—	4/0	4/0	2/0 (.365)	3	
X 5 U 266	—	250–266.8	266.8	3/0 (.410)	3½	
X 5 U 366	—	300–350	336.4 (18/1)	4/0 (.460)	4	

\* When using EE1 dies, space compressions ¼" apart.

#### PT Series

CAT. NO.	CONDUCTOR SIZE		INSTALLING DIES	SOLID CU PIN	P (IN.)
	ALUM. STR.	ACSR			
PTB 300	266.8 & 300	266.8 (18/1)	96, 472, 705, 1-½-1	.460	4
PTB 350	336.4 & 350	266.8 (26/7), 336.4 (18/1)		.460	
PTB 400	397.7 & 400	336.4 (26/7), 397.5 (18/1)	106A, 300, 426, 1½, 317	.562	5
PTM 500	447 & 500 & 600 CPT	397.5, 477 (26/7, 18/1)		.562	
PTM 556	500 & 556.5	477 (26/7), 556.5 (18/1)		.562	
PTL 636	600 & 636	556.5, 636 (36/1, 26/7)	140H, 301, 724, 1½	.750	6
PTL 750	700 & 750	636 (26/7)		.750	
PTL 800	795 & 800	715.5 (26/7), 795 (36/1)		.750	
PTL 1000	954 & 1000	795 (26/7), 954 (45/7)		.875	

Note: For additional pin lengths and offset pin styles, please consult your Thomas & Betts representative.

## Compression Pin Terminals

For use with high voltage termination kits.

### Aluminum Compression Pin Terminals — SAPT Series

- Made from aluminum for high strength and conductivity
- Annealed, tin-plated copper pin ensures high conductivity and bends easily to aid in cable training
- Oxide inhibitor prevents oxidation
- Metal sealant protects pin/body from moisture intrusion
- All pin terminals marked with wire size, installing dies and compression locations for easy identification



SAPT 4/0-206

#### SAPT Series

CAT. NO.	ACSR	STR.	COMPR.	COMPT.	SOL.	PIN DIA.	PIN LENGTH	DIES	BARREL INSERTION
SAPT 6-26	—	#6			—	2 (.257)	6	TU, 52, BG, 243, 5/8	1 1/4
SAPT 4-26	—	#4			#2	2 (.257)	6	TU, 52, BG, 243, 5/8	1 1/4
SAPT 2-24	#2	#2			1/0	2 (.257)	4	BG, 5/8, 620H, 9/16	1 1/4
SAPT 2-12		#2			—	—	2 (.257)	12	TU, 52, BG, 243, 5/8
SAPT 2-26		#1, #2			1/0	2 (.257)	6	TU, 52, BG, 243, 5/8	1 1/4
SAPT 2-1017	#1, #2	1/0 (.325)				17	TU, 52, BG, 243, 5/8	1 1/4	
SAPT 2-26-840	—	#1, #2		1/0	2 (.257)	6	TX, 76, 249, 840, 11A	1 1/4	
SAPT 1-12E	#1	#1			2 (.257)	12	TU, 52, BG, 243, 5/8	1 1/4	
SAPT 1S-26	#2				2 (.257)	6	TU, 52, BG, 243, 5/8	1 1/4	
SAPT 1/0-10	1/0				2 (.257)	10	TU, 52, BG, 243, 5/8	1 1/4	
SAPT 1/0-1017 CC	1/0	1/0				1/0 (.325)	17	TU, 52, BG, 243, 5/8	1 1/4
SAPT 1/0-106		1/0				1/0 (.325)	6	TU, 52, BG, 243, 5/8	1 1/4
SAPT 1/0-12		1/0				2 (.257)	12	TU, 52, BG, 243, 5/8	1 1/4
SAPT 1/0-26		1/0				2 (.257)	6	TU, 52, BG, 243, 5/8	1 1/4
SAPT 1/0-26-840		1/0				2 (.257)	6	TX, 76, 249, 840, 11A	1 1/4
SAPT 3/0-106		3/0				—	—	—	1/0 (.325)
SAPT 4/0-1018 CC		4/0				1/0 (.325)	18	TX, 76, 249, 840, 11A	2 1/2
SAPT 4/0-106		4/0				1/0 (.325)	6	TX, 76, 249, 840, 11A	2 1/2
SAPT 4/0-2012		4/0				2/0 (.365)	12	TX, 76, 249, 840, 11A	2 1/2
SAPT 4/0-206		4/0				2/0 (.365)	6	TX, 76, 249, 840, 11A	2 1/2
SAPT 4/0-26		4/0				2 (.257)	6	TX, 76, 249, 840, 11A	2 1/2
SAPT 350-6		266.8 (26/7), 336.4 (18/1)				336.4-350	(.562)	6	1 1/2-1, 96, 299, 655, 316, 13A, 321, 94H

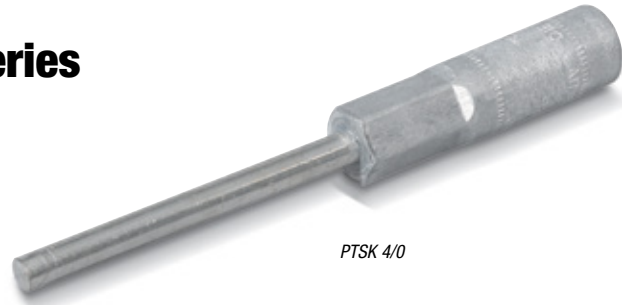
**Note:** For additional pin lengths and offset pin styles, please consult your Thomas & Betts representative.

## Compression Pin Terminals

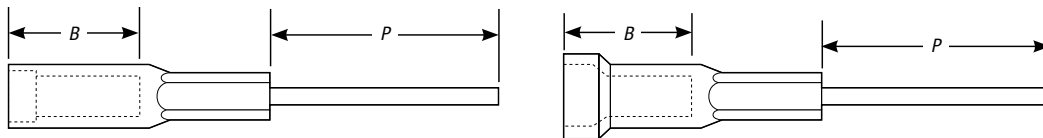
Rainshield protection for insulated cable installed in exposed areas.

### Shrouded Compression Pin Terminals — Common Die Series

- Made from pure electrolytic aluminum for high strength and high conductivity
- Tin-plated copper pin ensures high conductivity and bends easily to aid in cable training
- Prefilled with oxide inhibitor to prevent oxidation
- Metal sealant protects pin/body from moisture intrusion
- All pin terminals marked with die references for easy identification



PTSK 4/0



#### Shrouded Compression Pin Terminals — Common Die Series

CAT. NO.	CONDUCTOR SIZE		SOLID CU PIN	SHROUD I.D.	INSTALLING DIES	P (IN.)	B (IN.)	STYLE
	ALUM. STRANDED	ACSR						
PTSG 6	#6	#6	.204	.400	52, TU, BG, 8A, 9, 243	2	1 1/8	2
PTSG 4	#4	#4	.204	.450		2	1 1/8	
PTSG 21	#2-#1	#2-#1	.258	.604		2	1 1/8	1
PTSG 1/0	1/0	1/0	.258	.640	2 1/4	1 1/8		
PTSK 1/0	1/0	1/0	.258	.640	840, 11A, 76, TX, 249	4	1 3/4	2
PTSK 2/0	2/0	2/0	.324	.750		4	1 3/4	
PTSK 3/0	3/0	3/0	.324	.750		4	1 3/4	
PTSK 4/0	4/0	4/0	.364	.750		4	1 3/4	
PTSB 350	336.4-350	266.6 (26/7), 366.4 (18/1)	.460	.937	1 1/2-1, 299, 655, 96, 13A	4	3 1/8	
PTSL 636	600-636	556.5 (26/7), 636 (36/1)	.562	1.125	1 1/2, 301, 724, 140H	6	3 1/8	

\* For special die requirements, please consult your Thomas & Betts representative.

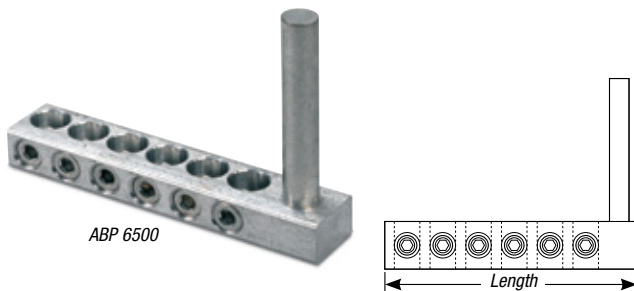
**Note:** For additional pin lengths and offset pin styles, please consult your Thomas & Betts representative.

## Multi-Tap Eyebolt Connectors

Designed with factory-mounted 90° angle copper studs for installation in pole-type transformers with secondary eyebolt connections.

### Aluminum Overhead Transformer Eyebolt Multi-Tap Set-Screw Connectors

- Made from high-strength aluminum alloy to maintain constant bolting pressure on conductors
- Screws designed for optimum electrical connection and maximum conductor-contact pressure
- Dual-rated for use with aluminum and copper conductors
- Meets or exceeds ANSI C119.4 specifications



### Multi-Tap Set-Screw Connectors

CAT. NO.	NO. OF OUTLETS	LENGTH (IN.)	STUD SIZE	CABLE RANGE
ABP 240	2	2 $\frac{5}{8}$	1/2 x 4	#6-250
ABP 340	3	3 $\frac{3}{8}$		
ABP 440	4	4 $\frac{3}{32}$		
ABP 540	5	4 $\frac{1}{16}$		
ABP 640	6	5 $\frac{1}{4}$		
ABP 740	7	6 $\frac{1}{2}$		
ABP 840	8	7 $\frac{3}{32}$	3/8 x 4	#6-350
ABP 2350	2	3 $\frac{1}{16}$		
ABP 3350	3	4 $\frac{1}{8}$		
ABP 4350	4	5		
ABP 5350	5	5 $\frac{1}{16}$		
ABP 6350	6	6 $\frac{1}{16}$		
ABP 7350	7	7 $\frac{1}{4}$	3/4 x 4 1/2	#2-500
ABP 8350	8	8 $\frac{3}{8}$		
ABP 2500	2	3 $\frac{3}{8}$		
ABP 3500	3	4 $\frac{1}{8}$		
ABP 4500	4	5 $\frac{1}{8}$		
ABP 5500	5	6 $\frac{1}{8}$		
ABP 6500	6	7 $\frac{1}{8}$	1/0-750	
ABP 7500	7	8 $\frac{3}{8}$		
ABP 8500	8	9 $\frac{1}{8}$		
ABP 2750	2	4 $\frac{1}{4}$		
ABP 3750	3	5 $\frac{1}{8}$		
ABP 4750	4	6 $\frac{1}{16}$		
ABP 5750	5	8 $\frac{3}{32}$		
ABP 6750	6	9 $\frac{1}{8}$		
ABP 7750	7	10 $\frac{61}{64}$		
ABP 8750	8	12 $\frac{2}{16}$		

*Note: For special pin lengths and insulating boots, please consult your Thomas & Betts representative.*

For installing pin sizes slightly different than the norm.

### Specialty Aluminum Overhead Transformer Eyebolt Multi-Tap Set-Screw Connector

- Made from high-strength aluminum alloy to maintain constant bolting pressure on conductors
- Screws designed for optimum electrical connection and maximum conductor-contact pressure
- Dual-rated for use with aluminum and copper conductors



### Specialty Connector

CAT. NO.	NO. OF OUTLETS	LENGTH (IN.)	STUD SIZE	CABLE RANGE
ABP 3168	4	4 $\frac{1}{4}$	1/2	#6-250



## Multi-Tap Eyebolt Connectors

Insulated for pole-type transformers in high-moisture environments.

### Aluminum Flood-Seal® Overhead Transformer Eyebolt Multi-Tap Set-Screw Connectors

- Made from high-strength aluminum alloy to maintain constant bolting pressure on conductors
- Screws designed for optimum electrical connection and maximum conductor-contact pressure
- Factory-mounted 90° angle copper studs install in pole-type transformers with secondary eyebolt connections
- Flood-Seal® rubber insulation ensures a fully insulated, watertight connection
- Dual-rated for use with aluminum and copper conductors
- Meets or exceeds ANSI C119.4 specifications



RABP 4350

#### Multi-Tap Set-Screw Connectors

CAT. NO.	CONDUCTOR RANGE	OUTLETS	EXPOSED PIN SIZE
RABP 4350		4	
RABP 5350	#12-350	5	½ x 2
RABP 6350		6	

*Note: For oxide-inhibitor option, add "-C" suffix to the catalog number.*

Gain bolting pads for terminal assembly.

### Tin-Plated Overhead Transformer Eyebolt Adapters

- Made from tin-plated copper to provide high conductivity and resist corrosion
- Dual-rated to accept copper or aluminum one-hole terminals and two-hole NEMA-drilled terminals



#### Eyebolt Adapters

CAT. NO.	FIG. NO.	PIN DIAMETER	EXPOSED PIN SIZE
CEA 2 50	1	½	2⅝
CEA 4 50	2	½	2¼
CEA 4 75		¾	2¾
CEA 6 50	3	½	2¼
CEA 6 75		¾	2¾
CEA 6 100		1	2¾

*Note: All bolt holes are ⅝" spaced on 1¼" centers. For special pin lengths, please consult your Thomas & Betts representative.*

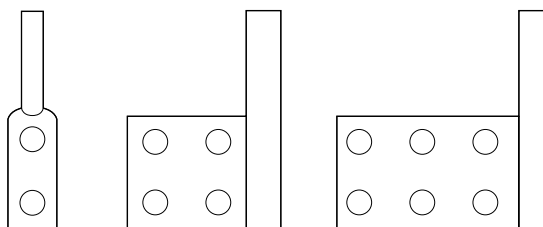


Fig. 1

Fig. 2

Fig. 3

## Storm-Safe® Service Entrance Disconnects

Mechanical breakaway link separates service at the pole to prevent damage to utility equipment and customer premises.

### Storm-Safe® Breakaway Service Entrance Kits — Two and Three Service

- Downed-line safety — separates at the pole, not the weatherhead, so the line always comes down de-energized
- Crew safety — the correction is made well below the high-voltage bushings, making it safer for crews to work during a storm outage
- Quick restoration of power by simply replacing the mechanical breakaway link and re-inserting the contacts
- Disconnect service without pulling the meter
- Internal O-ring prevents moisture ingress into the contact, and external Flood-Seal® insulating rockets seal the entire system from the elements
- Dual-rated for use with aluminum and copper conductors
- Meets ANSI C119.4-2004 specifications



SS 2 K



SSP 1/0 FN 500 K



SS 3 K

#### Breakaway Service Entrance Kits

CAT. NO.	CONTACT BLOCK	ASSEMBLY	INSULATING ROCKETS	½-13 BOLTS
<b>SS 2 K — Two-Service Base Kit</b>				
SS 2 K	1	(1) U-Bolt	(2) Flood-Seal®	3
<b>SS 3 K — Three-Service Base Kit</b>				
SS 3 K	1	(1) U-Bolt	(2) Flood-Seal®	3

**Note:** SS 2 K requires two SSP Pin Kits (right). SS 3 K requires three SSP Pin Kits (right).

#### Pin Kits

CAT. NO.	TRIPLEX BLOCK	NEUTRAL ASSEMBLY	BREAKAWAY ROCKETS
SSP 1/0 FN 500 K	1/0, 1/0, 1/0 ACSR	Full Neutral	500
SSP 1/0 FN 750 K			750
SSP 1/0 RN 500 K	1/0, 1/0, #2	Reduced Neutral	500
SSP 1/0 RN 750 K			750
SSP 2 FN 500 K	#2, #2, #2	Full Neutral	500
SSP 2 FN 750 K			750
SSP 2 RN 500 K	#2, #2, #4	Reduced Neutral	500
SSP 2 RN 750 K			750
SSP 4 FN 500 K	#4, #4, #4	Full Neutral	500
SSP 4 FN 750 K			750
SSP 4 RN 500 K	#4, #4, #6	Reduced Neutral	500
SSP 4 RN 750 K			750

**Note:** Kit consists of two pin terminals, one neutral pin terminal, one SSL Link Kit (breakaway link and bail) and two Flood-Seal® insulating rockets. Three pin kits are required for a three-service base kit and two pin kits are required for a two-service base kit.

## Storm-Safe® Service Entrance Disconnects

Mechanical breakaway link separates service at the pole to prevent damage to utility equipment and customer premises.

### Storm-Safe® Breakaway Service Entrance Kits — Single Service

- Downed-line safety — separates at the pole, not the weatherhead, so the line always comes down de-energized
- Crew safety — the correction is made well below the high-voltage bushings, making it safer for crews to work during a storm outage
- Quick restoration of power by simply replacing the mechanical breakaway link and re-inserting the contacts
- Disconnect service without pulling the meter
- Internal O-ring prevents moisture ingress into the contact, and external Flood-Seal® insulating rockets seal the entire system from the elements
- Dual-rated for use with aluminum and copper conductors
- Meets ANSI C119.4-2004 specifications



SS1 4 FN 750 K



SSL 750 K

#### Breakaway Service Entrance Kits

CAT. NO.	TRIPLEX BLOCK	NEUTRAL ASSEMBLY	BREAKAWAY ROCKETS
SS1 1/0 FN 500 K	1/0, 1/0, 1/0 ACSR	Full Neutral	500
SS1 1/0 FN 750 K			750
SS1 1/0 RN 500 K	1/0, 1/0, #2	Reduced Neutral	500
SS1 1/0 RN 750 K			750
SS1 2 FN 750 K	#2, #2, #2	Full Neutral	500
SS1 2 FN 500 K			750
SS1 2 RN 750 K	#2, #2, #4	Reduced Neutral	500
SS1 2 RN 500 K			750
SS1 4 FN 500 K	#4, #4, #4	Full Neutral	500
SS1 4 FN 750 K			750
SS1 4 RN 500 K	#4, #4, #6	Reduced Neutral	500
SS1 4 RN 750 K			750

**Note:** Kit consists of two sockets, one neutral socket, two pin terminals, one neutral pin terminal, one SSL Link Kit (breakaway link and bail), two Flood-Seal® insulating splice covers and one Flood-Seal insulating rocket.

#### SSL — Link Kits

CAT. NO.	BREAKAWAY ROCKETS
SSL 500 K	500
SSL 750 K	750

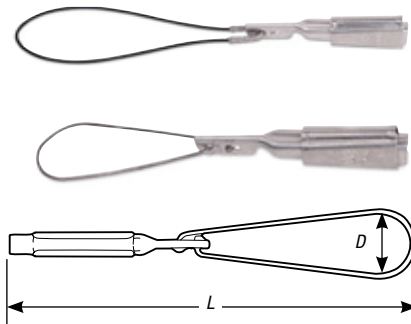
**Note:** Kit consists of one breakaway link and one bail.

## Service Wedges and Neutral Span Clamps

### Dead-end self-supporting drop wire.

### W™ Aluminum and Stainless Steel Service Wedge Clamps

- Drop wire may be cut to exact length for adjustments in drop wire sag
- Can be attached to bare neutral at any point in the span
- Flexible and rigid aluminum bails grip ACSR, AAC and AAAC conductors
- Rigid stainless steel bail grips copper neutral conductors



CAT. NO.	DESCRIPTION	CONDUCTOR RANGE				DIMENSIONS (IN.)		TYPICAL TENSILE VALUES		COLOR CODE
		ACSR	AL	AAAC	CU	D	L	CONDUCTOR	VALUE (LB.)	
W62-1	W-1 Series aluminum wedge and slider	#2-#6	#1 str.-#6 sol.	#2-#6	—	2 3/8	12	26/1 ACSR	1200	Orange
W62-1 FC			flex.	17 1/2						
W20-1		1/0-#4	2/0 str.-#2 sol.	1/0-4	—	2 3/8	12 1/2	1/06/1 ACSR	1800	Blue
W20-1 FC			flex.	18 1/2						
W40-1*	4/0-2/0	4/0 str.-2/0 sol.	4/0-2/0	—	2 3/8	12 3/4	4/06/1 ACSR	1900	Red	
W40-1 FC*		flex.	18 1/2							
W62-1 B†	W-1B Series iridited aluminum wedge and slider	2-#6	#1 str.-#6 sol.	#2-#6	—	2 3/8	12	26/1 ACSR	1200	Orange
W62-1 BFC†			flex.	17 1/2						
W20-1 B†		1/0-#4	2/0 str.-#2 sol.	1/0-#4	—	2 3/8	12 1/2	1/06/1 ACSR	1800	Blue
W20-1 BFC†			flex.	18 1/2						
W40-1 B*†	4/0-2/0	4/0 str.-2/0 sol.	4/0-2/0	—	2 3/8	12 3/4	4/06/1 ACSR	1900	Red	
W40-1 BFC*†		flex.	18 1/2							
W62D	W Series stainless steel wedge and slider	—	—	—	#2 str.-#6 sol.	2 3/8	12	#2-#7 str. AAC	1300	Orange

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

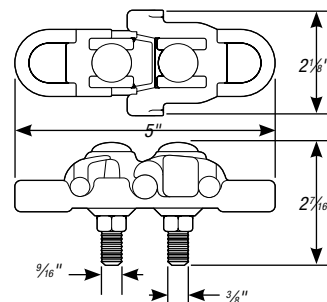
† For extremely corrosive areas.

Note: Catalog numbers with "FC" suffix have a flexible bail.

### House not adjacent to a pole? This is the span clamp you need.

### MS Neutral Span Clamp

- A combination aerial cable-neutral parallel-groove connector and dead-ending clamp
- Accommodates up to four service drops
- Taps may be installed later, independent of existing connections
- High-strength, one-piece construction
- Castings are of high-strength aluminum alloy
- Hardware is made of galvanized steel



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.

## Aluminum H-Tap Connectors and Covers

For combinations of aluminum-to-aluminum and aluminum-to-copper conductors.

### WR™ Wide-Range Aluminum Tap Connectors

- Made of 1350 aluminum alloy for high strength and high conductivity
- Standard compression tools and dies install all sizes — no special tools needed
- Field-proven ribbed design enables excellent connector/conductor contact without distorting the conductor's shape
- Fold-in tabs provide positive tab interlock as tool closes
- Prefilled with oxide inhibitor held captive in the rib/connection area
- RUS Accepted
- Complies with ANSI C119.4 specifications



WR189 or OB101

#### WR™ O and D Die Seven-Connector Program

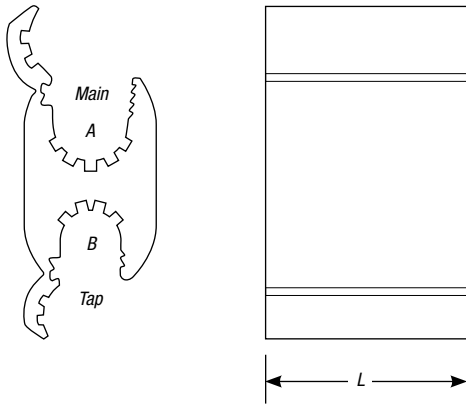
CAT. NO.	CONNECTOR NUMBER	CONDUCTOR RANGE										DIAMETER (IN.)				CONNECTOR LENGTH (IN.)
		STANDARD CONDUCTOR						COMPACT CONDUCTOR				MAIN		TAP		
		MAIN			TAP			MAIN		TAP		MAX.	MIN.	MAX.	MIN.	
		ACSR	STR.	SOL.	ACSR	STR.	SOL.	ACSR	STR.	ACSR	STR.	MAX.	MIN.	MAX.	MIN.	
WR159 or OB 44 OB 1	1	#2, #4, #6	#1, #2, #3, #4, #6	#2, #4, #6	#2, #4, #6	#1, #2, #3, #4, #6	#2, #4, #6	#1, #2, #4, #6	#1, #2, #3, #4, #6	#1, #2, #4, #6	#1, #2, #3, #4, #6	.332	.162	.332	.162	1 <sup>1</sup> / <sub>16</sub> 1 <sup>1</sup> / <sub>2</sub>
WR189 or OB 101 OB 2	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, #4, #6	#1, #2, #3, #4, #6	.419	.266	.332	.162	1 <sup>1</sup> / <sub>16</sub> 1 <sup>3</sup> / <sub>4</sub>
WR289 or DB 202 DB 3	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, #4, #6	#1, #2, #3, #4, #6	.470	.398	.332	.162	1 <sup>1</sup> / <sub>16</sub> 1 <sup>3</sup> / <sub>4</sub>
WR279 or DB 2020	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	3/0, 2/0, 1/0	.470	.336	.470	.336	1 <sup>1</sup> / <sub>16</sub>
WR379 or DB 404 DB 5	5	4/0, 3/0	4/0	—	#2, #4, #6	#1, #2, #3, #4, #6	1/0, #1, #2, #4, #6	266 <sup>1</sup> / <sub>4</sub> , 250, 4/0	266, 250, 4/0	#1, #2, #4, #6	#1, #2, #3, #4, #6	.563	.475	.332	.162	1 <sup>1</sup> / <sub>16</sub> 1 <sup>3</sup> / <sub>4</sub>
WR399 or DB 4020 DB 6	6	4/0, 3/0	4/0, 3/0	—	2/0, 1/0, #1	2/0, 1/0	3/0, 2/0	266 <sup>1</sup> / <sub>4</sub> , 4/0, 3/0	266, 250, 4/0	2/0, 1/0	3/0, 2/0, 1/0	.563	.461	.447	.338	2 <sup>3</sup> / <sub>16</sub> 2 <sup>1</sup> / <sub>2</sub>
WR419 or DB 4040 DB 7	7	4/0, 3/0	4/0, 3/0	—	4/0, 3/0	4/0, 3/0	—	266 <sup>1</sup> / <sub>4</sub> , 4/0, 3/0	266, 250, 4/0	266 <sup>1</sup> / <sub>4</sub> , 4/0, 3/0	266, 250, 4/0	.563	.461	.563	.461	2 <sup>3</sup> / <sub>16</sub> 2 <sup>1</sup> / <sub>2</sub>

Note: Connector numbers 1 and 2 use "O" Die; 3-7 use "D" Die.

## Aluminum H-Tap Connectors and Covers

### WR™ Wide-Range Aluminum Tap Connectors (continued)

Blackburn® Overhead



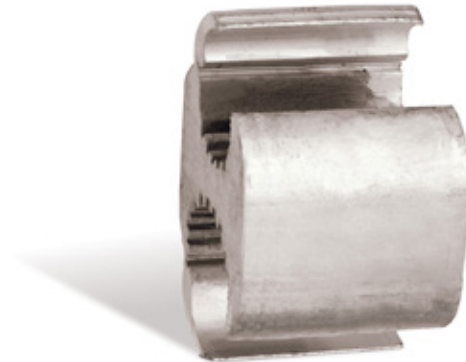
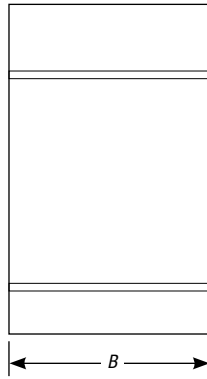
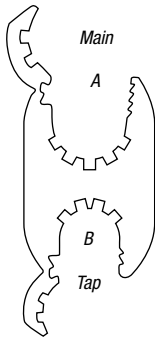
WR259

#### WR™ Supplemental O and D Die Connectors

CAT. NO.	CONDUCTOR RANGE														CONNECTOR LENGTH (IN.)
	STANDARD CONDUCTOR						COMPACT CONDUCTOR				DIAMETER (IN.)				
	MAIN			TAP			MAIN		TAP		MAIN		TAP		
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, #4, #6	#2, #3, #4, #6	.266	.162	.266	.162	1½
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, #6	#2, #3, #4, #6	.398	.266	.266	.162	1¼
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, #2, #3, #4	#1, #2	.398	.266	.332	.232	1¼
WR1010 or OB 1010	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	2/0, 1/0, #1, #2, #3, #4	2/0, 1/0, #1, #2	.419	.232	.419	.232	1¼
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	1½
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
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	1½
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	1½
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	1½
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	1½

**Note:** WR149–WR1010 use “O” connector die; all others use “D” connector die.  
 WR1010 and WR299 use four indents with a mechanical tool; all others use five indents.  
 All die connectors use two indents with a hydraulic tool.

## Aluminum H-Tap Connectors and Covers



WR Connector

### WR™ Supplemental D Connectors

CAT. NO.	CONDUCTOR RANGE														CONNECTOR LENGTH (IN.)
	STANDARD CONDUCTOR*						COMPACT CONDUCTOR				DIAMETER (IN.)				
	MAIN			TAP			MAIN		TAP		MAIN		TAP		
	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	.299	1½
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	2½
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	1½
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	1½
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	1½
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	2⅝
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	2⅝

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

† Conductor range possible only when crimped with a hydraulic tool.

**Note:** WR359 and WR369 use four indents with a mechanical tool; WR319 uses five indents with a mechanical tool; WR339 and WR389 use six indents with a mechanical tool. WR369 can also use five indents with a mechanical tool. All die connectors use two indents with a hydraulic tool.

## Aluminum H-Tap Connectors and Covers

Blackburn® Overhead

### WR™ Wide-Range Aluminum Tap Connectors (continued)

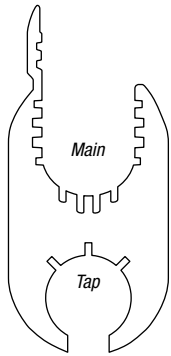


Fig. 1

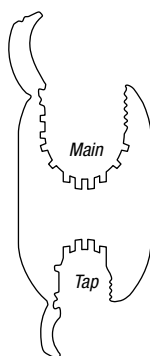
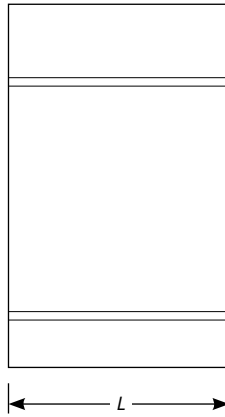


Fig. 2



WR715

### WR™ N Die Tap Connectors

CAT. NO.	CONDUCTOR RANGE													CONNECTOR LENGTH (IN.)
	STANDARD CONDUCTOR*					COMPACT CONDUCTOR				DIAMETER (IN.)				
	MAIN		TAP			MAIN		TAP		MAIN		TAP		
	ACSR	STR.	ACSR	STR.	SOL.	ACSR	STR.	ACSR	STR.	MAX.	MIN.	MAX.	MIN.	
WR715	397 <sup>1</sup> / <sub>8</sub> , 336, 266	400, 397, 350, 336, 300, 266, 250	2/0, 1/0, #1, #2, #3, #4, #6	2/0, 1/0, #1, #2, #3, #4, #6	3/0, 2/0, 1/0, #1, #2, #3, #4, #6	477, 397, 336	500, 477, 397, 350	2/0, 1/0, #1, #2, #3, #4, #6	3/0, 2/0, 1/0, #1, #2, #3, #4, #6	.753	.502	.447	.162	2
WR775	397 <sup>1</sup> / <sub>8</sub> , 336, 266, 4/0	400, 397, 350, 336, 300, 266, 250, 4/0	397 <sup>1</sup> / <sub>8</sub> , 336, 266, 4/0	400, 397, 350, 336, 300, 266, 250, 4/0	—	477, 397, 336, 266	500, 477, 397, 350, 336, 300, 266, 250	477, 397, 336, 266	500, 477, 397, 336, 300, 266, 250	.743	.502	.743	.520	3
WR815	477 <sup>1</sup> / <sub>8</sub> , 397, 336, 266, 4/0	556, 500, 400, 397, 350, 336, 300, 266, 250	2/0, 1/0, #1, #2, #3, #4, #6	2/0, 1/0, #1, #2, #3, #4, #6	3/0, 2/0, 1/0, #1, #2, #3, #4, #6	556, 477, 397, 336, 266	556, 477, 397, 336, 266, 250	2/0, 1/0, #1, #2, #3, #4, #6	3/0, 2/0, 1/0, #1, #2, #3, #4, #6	.858	.502	.447	.162	2
WR835 or NB 50040	477 <sup>1</sup> / <sub>8</sub> , 397, 336, 266, 4/0	556, 500, 400, 397, 350, 336, 300, 266, 250	4/0, 3/0, 2/0, 1/0	4/0, 3/0, 2/0, 1/0	4/0, 3/0, 2/0	556, 477, 397, 336, 266	556, 477, 397, 350, 336, 300, 266, 250	266, 4/0, 3/0, 2/0	250, 4/0, 3/0	.858	.502	.563	.368	2
WR875†	477 <sup>1</sup> / <sub>8</sub> , 397, 336, 266, 4/0	556, 500, 400, 397, 350, 336, 300, 266, 250	477 <sup>1</sup> / <sub>8</sub> , 266	350, 336, 300, 266, 250	397, 366	556, 477, 397, 336, 266	556, 477, 397, 350, 336, 300, 336, 300	397, 336, 266	400, 397, 350, 336, 300, 266, 250	.858	.502	.684	.520	3
WR885 or NB 500	477 <sup>1</sup> / <sub>8</sub> , 397, 336, 266, 4/0	500, 400, 397, 350, 336, 300, 266, 250, 4/0	477 <sup>1</sup> / <sub>8</sub> , 397, 336, 266, 4/0	500, 400, 397, 350, 336, 300, 266, 250, 4/0	—	556, 477, 397, 336, 266	556, 477, 397, 350, 336, 300, 266, 250	556, 477, 397, 336, 266	556, 477, 397, 350, 336, 300, 266, 250	.814	.502	.814	.520	3

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

† See Fig. 2.

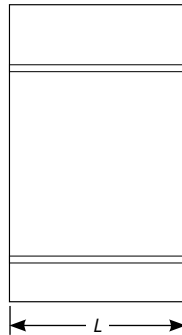
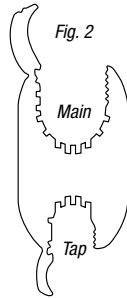
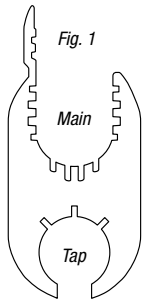
Note: All die connectors can be used with Blackburn JB12A, JB12B, 12A and Y-35 tools.

All die connectors are for use with hydraulic tools, 12-ton and greater.

WR715, WR815 and WR835 use two indents with a hydraulic tool; all others use three indents.



## Aluminum H-Tap Connectors and Covers



WR™ N Die Tap Connectors (continued)

CAT. NO.	CONDUCTOR RANGE												CONNECTOR LENGTH (IN.)	
	STANDARD CONDUCTOR*						COMPACT CONDUCTOR				DIAMETER (IN.)			
	MAIN		TAP		SOL.	MAIN		TAP		MAX.	MIN.	MAX.		MIN.
	ACSR	STR.	ACSR	STR.		ACSR	STR.	ACSR	STR.					
WR699	397%, 336, 266	400, 397, 350, 336, 300, 266, 250	#4, #6	#3, #4, #6	#2, #3, #4, #6	477, 397, 336	477, 397, 350, 336, 300	#4, #6	#2, #3, #4, #6	.743	.570	.266	.162	2
WR719	397%, 336, 266	400, 397, 350, 336, 300, 266, 250	2/0, 1/0, #1, #2, #3	2/0, 1/0, #1, #2	3/0, 2/0, 1/0, #1	477, 397, 336	477, 397, 350, 336, 300	2/0, 1/0, #1, #2	3/0, 2/0, 1/0, #1	.743	.570	.447	.289	2
WR739	397%, 336, 266	400, 397, 350, 336, 300, 266, 250	4/0, 3/0, 2/0, 1/0	4/0, 3/0, 2/0	4/0	477, 397, 336	477, 397, 350, 336, 300	266, 4/0, 3/0	266, 250, 4/0	.743	.570	.563	.398	2
WR779	397%, 336, 266	400, 397, 350, 336, 300, 266, 250	397%, 336, 266	400, 397, 350, 336, 266, 250	477, 397	477, 397, 336	477, 397, 350, 336, 300	477, 397, 336	477, 397, 336	.743	.570	.743	.570	3
WR799	477%, 266	500, 250	#4, #6	#3, #4, #6	#2, #3, #4, #6	477%, 266	500, 250	#3, #4, #6	#2, #3, #4, #6	.814	.575	.270	.160	2
WR819	477%, 397, 336	556, 500, 477, 450, 400, 397, 350, 336	2/0, 1/0, #1, #2, #3	2/0, 1/0, #1, #2	3/0, 2/0, 1/0, #1	556, 477, 397	556, 477, 397	2/0, 1/0, #1, #2	3/0, 2/0, 1/0, #1	.858	.659	.477	.289	2
WR839	477%, 397, 336	556, 500, 477, 450, 400, 397, 350, 336	4/0, 3/0, 2/0	4/0, 3/0	4/0	556, 477, 397	556, 477, 397	266, 4/0, 3/0	266, 4/0, 3/0	.858	.659	.563	.477	2
WR879†	477%, 397, 336	556, 500, 477, 450, 400, 397, 350, 336	336%, 266	350, 336, 300, 266	397	556, 477, 397	556, 477, 397	397, 336	397, 350, 336	.858	.659	.684	.593	3
WR889	477%, 397, 336	500, 400, 397, 350, 336	477%, 397, 336	500, 400, 397, 350, 336	—	556, 477, 397, 336	556, 477, 397, 350	556, 477, 397, 336	556, 477, 397, 350	.814	.666	.814	.666	3

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

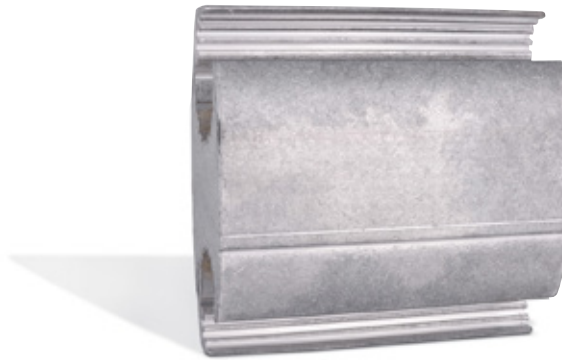
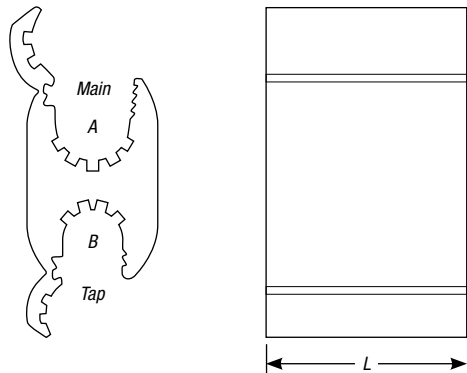
† See Figure 2.

**Note:** All die connectors can be used with Blackburn JB12A, JB12B, WH2, PH2, 12A and Y-35 tools.  
All die connectors are for use with hydraulic tools, 10-ton and greater.  
WR779, WR879 and WR889 use three indents with a hydraulic tool; all others use two indents.

## Aluminum H-Tap Connectors and Covers

### WR™ Wide-Range Aluminum Tap Connectors (continued)

Blackburn® Overhead



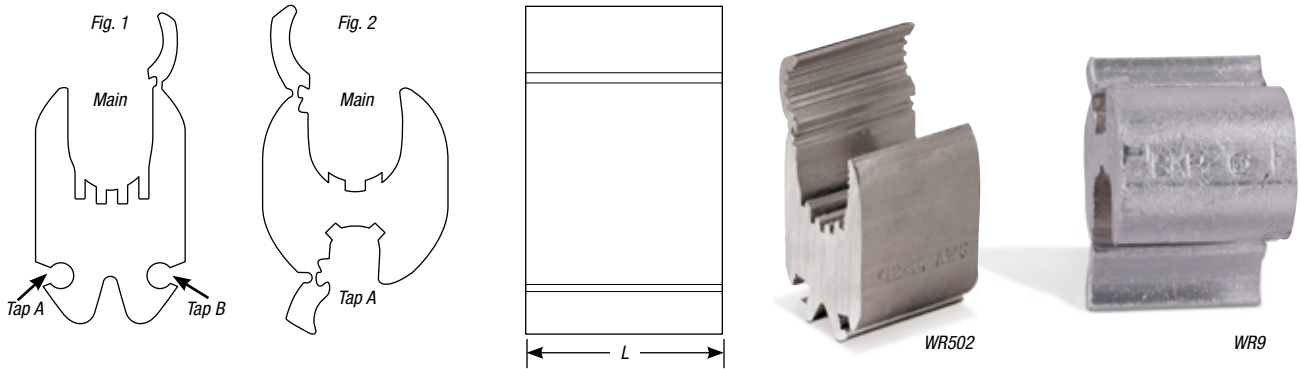
WR909

#### WR™ R Die Tap Connectors

CAT. NO.	CONDUCTOR RANGE								DIAMETER (IN.)				CONNECTOR LENGTH (IN.)
	STANDARD CONDUCTOR				COMPACT CONDUCTOR				MAIN		TAP		
	MAIN		TAP		MAIN		TAP		MAX.	MIN.	MAX.	MIN.	
	ACSR	STR.	ACSR	STR.	ACSR	STR.	ACSR	STR.					
WR909	556 <sup>1/4</sup> ,	600, 556,	336 <sup>1/4</sup> ,	350, 336,	636, 556,	700, 636,	397 <sup>1/2</sup> , 336,	397, 350,	.893	.666	.684	.398	4 <sup>3/4</sup>
	477, 397,	550, 500,	266, 4/0,	266, 250,		556, 500,	266, 4/0,	336, 300,					
WR929	477, 397,	600, 556,	556 <sup>1/4</sup> ,	600, 556,	636, 556,	700, 636,	636, 556,	700, 636,	.893	.666	.893	.666	4 <sup>3/4</sup>
	336, 300	550, 500,	477, 397	550, 477,		477, 397	556, 500,	477, 397					
WR949	795 <sup>29/32</sup> ,	900, 874,	336 <sup>1/4</sup> ,	350, 336,	954, 874,	1000, 954,	397 <sup>1/4</sup> ,	397, 350,	1.108	.883	.684	.398	4 <sup>3/4</sup>
	636, 605,	800, 795,	266, 4/0,	266, 250,		874, 795,	336, 266,	336, 300,					
WR969	556,	750, 715,	3/0, 2/0,	4/0, 3/0,	954, 874,	1000, 954,	4/0, 3/0,	266, 250,	1.108	.883	.893	.666	4 <sup>3/4</sup>
	477 <sup>29/32</sup>	700, 636,	1/0	2/0		795	4/0, 3/0,	4/0, 3/0					
WR989	795 <sup>29/32</sup> ,	900, 874,	795 <sup>29/32</sup> ,	900, 874,	954, 874,	1000, 954,	954, 874,	1000, 954,	1.108	.883	1.108	.883	4 <sup>3/4</sup>
	715, 666,	800, 795,	715, 666,	800, 795,		795	874, 795,	874, 795,					
WR999	636, 605,	750, 715,	636, 605,	750, 715,	954, 900	1000, 900,	954, 900,	1000, 900	1.172	.997	1.172	.994	4 <sup>3/4</sup>
	556,	700, 636,	556,	700, 636,		795	874	874					
WR999	477 <sup>29/32</sup>	600	477 <sup>29/32</sup>	600	954, 900	1000, 900	954, 900,	1000, 900	1.172	.997	1.172	.994	4 <sup>3/4</sup>
	954 <sup>45/32</sup> ,	1033,	954 <sup>45/32</sup> ,	1033,		900, 874,	900, 874,	900, 874,					
WR999	900, 874,	1000, 900,	900, 874,	1000, 900,	954, 900	1000, 900	954, 900,	1000, 900	1.172	.997	1.172	.994	4 <sup>3/4</sup>
	795, 715,	800, 795,	795, 750,	800, 795,		874	874	874					
WR999	666	750	666	750	954, 900	1000, 900	954, 900,	1000, 900	1.172	.997	1.172	.994	4 <sup>3/4</sup>
	666	750	666	750		874	874	874					

Note: All die connectors can be used with Blackburn JB60A, JB60B, Y60, 60A and PH-3 tools.  
All die connectors use four indents with a mechanical tool.

## Aluminum H-Tap Connectors and Covers



### WR™ Street Lighting Compression Connectors

CAT. NO.	FIGURE NO.	CONDUCTOR RANGE														CONNECTOR LENGTH (IN.)
		STANDARD CONDUCTOR*							DIAMETER (IN.)							
		MAIN			TAP A		TAP B		MAIN		TAP A		TAP B			
		ACSR	STR.	SOL.	STR.	SOL.	STR.	SOL.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.		
WR9	2	#3, #4, #6	#2, #3, #4, #6	#1, #2, #3, #4	#8, #10, #12, #14	#8, #10, #12, #14	—	—	.292	.184	.146	.064	—	—	1 <sup>3</sup> / <sub>16</sub>	
WR139	1	1/0, #1, #2, #3, #4	2/0, 1/0, #1, #2, #3	#1, #2	#8, #10	#6, #8, #10	#12, #14	#12, #14	.419	.250	.162	.100	.092	.064	1 <sup>1</sup> / <sub>2</sub>	
WR502	1	4/0, 3/0	4/0, 3/0	—	#8, #10	#6, #8, #10	#12, #14	#12, #14	.563	.461	.162	.100	.092	.064	1 <sup>1</sup> / <sub>2</sub>	
WR502†	1	4/0, 3/0, 2/0, 1/0	4/0, 3/0, 2/0, 1/0	—	#8, #10	#6, #8, #10	#12, #14	#12, #14	.563	.365	.162	.100	.092	.064	1 <sup>1</sup> / <sub>2</sub>	

\* Will accept conductors of the same wire size with a 3% reduction of diameter (compressed).

† This range is possible only when crimped with a hydraulic tool.

**Note:** WR9 uses a 5/8" BG connector die; WR139 uses an "O" connector die; WR502 uses a "D" connector die.

WR9 uses three indents with a mechanical tool; all others use four indents.

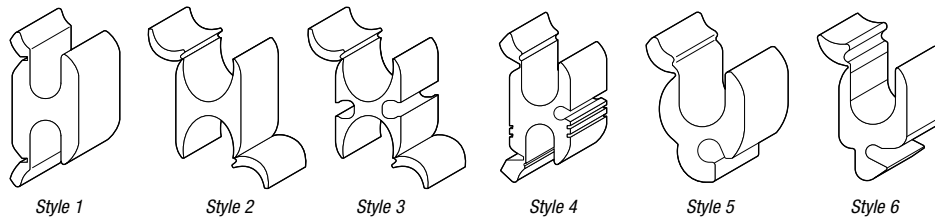
WR139 and WR502 use two indents with a hydraulic tool.

## Aluminum H-Tap Connectors and Covers

Deadend aluminum, ACSR or aluminum-alloy conductors.

### Aluminum H-Type Compression Connectors

- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- Connectors fully marked with installation and compression location information, providing easy identification for easy installation
- Comply with ANSI C119.4 when properly installed on aluminum-to-aluminum or aluminum-to-copper conductors
- RUS Accepted



STANDARD CONDUCTOR/ACSR/AAC															
		MAIN GROOVE, "A" RANGE			TAP GROOVE, "B" RANGE			SIDE GROOVE, "C" RANGE					TAP		
CAT. NO.	STYLE	GROOVE "A" DECIMAL RANGE			GROOVE "B" DECIMAL RANGE			GROOVE "C" DECIMAL RANGE			L	DIE	TAP CVR.		
		ACSR	STR.	SOL.	ACSR	STR.	SOL.	ACSR	STR.	SOL.					
UB 214	5	.325-.162	#2½-#6¾	#2(7)-#6(7)	#1-#6	.146-.064	—	#8-#14	#7-#14	—	—	—	¾	¾ or BG	CO 20 B
OB 2014	6	.447-.292	2/0½-#2½	2/0(19)-#2(7)	—	.146-.064	—	#8-#14	#7-#14	—	—	—	¾	O	
OB 22	4	.325-.162	#2½-#6¾	#2(7)-#6(7)	#2-#6	.325-.162	#2½-#6¾	#2(7)-#6(7)	#2-#6	.148-.062	#8-#14	#8-#14	1½	O	
OB 103	1	.398-.162	1/0½-#6¾	1/0(19)-#6(7)	#2-#6	.332-.162	#2½-#6¾	#1(19)-#6(7)	#2-#6	—	—	—	1½	O	
NB 60020	2	.915-.575	556.5¾-266.8¾	600(61)-250(37)	—	.419-.162	1/0½-#6¾	2/0(19)-#6(7)	2/0-#6	—	—	—	2½	N	
ZB 954	2	1.196-.586	954¾-266.8¾	1000(61)-266.8(7)	—	1.196-.568	954¾-266.8¾	1000(61)-266.8(7)	—	—	—	—	6	Z or R	—
ZB 95440	3	1.140-.586	795¾-266.8¾	750(61)-266.8(7)	—	.741-.522	336.4¾-4/0¾	350(37)-4/0(7)	—	.292-.162	#2-#6	#2-#6	3	Z or R	—
ZB 95410	3	1.140-.586	795¾-266.8¾	750(61)-266.8(7)	—	.563-.368	4/0¾-1/0¾	4/0(19)-1/0(7)	—	.292-.162	#2-#6	#2-#6	3	Z or R	—

**Note:** For connector covers, see **next page**. Install with hydraulic tools only. Use UT 5 tool with "O" and "D" connector dies; use UT 15 tool with "O," "D," "N" or "Z" connector dies. For more information, please consult your Thomas & Betts representative. For Kearney, use "O" and "D" connector dies with mechanical or hydraulic tools. For Bumdy®, use "O" and "D-3" connector dies with mechanical or hydraulic tools; use "N," "Z" or "R" connector dies with hydraulic tools.

## Aluminum H-Tap Connectors and Covers

Secure double-locking latches provide a close-fitting top and bottom seal.

### H-Type Connector Covers

- Thin strips of the “grass skirt” mold around the conductors to provide a highly reliable end enclosure
- Tapered drains in both cover halves prevent accumulation of water within the cover, regardless of which half of the cover is down
- Made from black polypropylene to resist the elements, UV sun rays and common contaminants



#### H-Type Connector Covers

CAT. NO.	H (IN.)	L (IN.)	W (IN.)
CO 20 B	2¼	4½	1½
CD 40 B	2¾	5¾	1¾
CN 600 B	2 <sup>15</sup> / <sub>16</sub>	6¾	2

#### Type C H-Type Compression Connector Covers

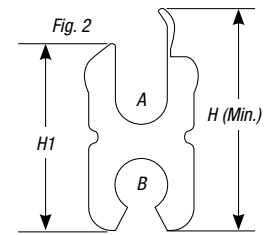
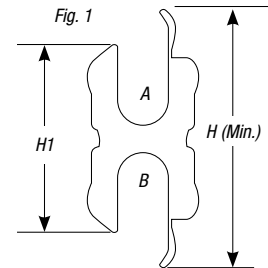
CAT. NO.	CAPACITY (BEFORE COMPRESSION)	H (IN.)	L (IN.)	W (IN.)
C2BB	All ½" O.D. Sleeves 2" long or less	1.10	4.00	1.05
C5BB	All O Die Taps 1.75" long or less	1.60	3.75	1.25
C7	All D Die Taps 2.5" long or less	1.80	5.00	1.45
C9	All N and D Die Taps 2" long or less	2.75	4.25	2.00
C9L	All N and D Die Taps 5" long or less	2.75	7.25	2.00

## Copper H-Tap Connectors

Efficient design requires less crimping force.

### Copper H-Type Compression Connectors

- Made of pure electrolytic copper for high conductivity
- Full-length tab makes installation easy
- Installs with standard compression tools and dies
- RUS Accepted



CAT. NO.	FIG. NO.	CONDUCTOR RANGE								INSTALLATION INFORMATION											
		STANDARD CONDUCTOR*				DIAMETER (IN.)*				DIMENSIONAL INFORMATION				MECHANICAL TOOLS <sup>†</sup>				HYDRAULIC TOOLS <sup>†</sup>			
		MAIN SOL.	TAP STR.	MAIN SOL.	TAP STR.	MAX.	MIN.	MAX.	MIN.	H MIN.	H 1	CONNECTOR LENGTH	OD 58	TYPE O	MD SERIES	JB12A JB12B	H SERIES	Y-35	TBM15/Y42/Y46		
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-B		
CFS44-1	2	#4, #6	#6	#4, #6, #8	#8	.204	.162	.204	.128	.864	.743	13/16	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, #4	#6	.258	.204	.258	.162	1.017	.842	13/16	K	K	W-KK	W-KK	BKT	BKT	BKT		
CF102-1	1	—	1/0, #1, #2	#4, #6	#4	.373	.292	.258	.162	1.54	1.1	27/32	—	—	—	0	0	0	0		
CF1010-1	1	—	1/0, #1, #2	1/0, #1, #2	1/0, #1, #2	.373	.292	.373	.292	1.61	1.05	27/32	—	—	—	0	0	0	0		
CF202-1	1	—	2/0, 1/0	1/0, #1, #2	2/0, #1, #2	.419	.368	.258	.204	1.67	1.269	7/8	—	—	—	K-C	C	K-C	K-C		
CF2020-1	1	—	2/0, 1/0	1/0, #1, #2	1/0, #1, #2	.419	.368	.414	.292	1.74	1.22	7/8	—	—	—	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	7/8	—	—	—	D∞	D∞	D∞	D∞		
CF4010-1	1	—	4/0, 3/0, 2/0	1/0, #1, #2	1/0, #1, #2	.528	.414	.373	.292	1.992	1.423	1 1/8	—	—	—	D∞	D∞	D∞	D∞		
CF4040-1	1	—	4/0, 3/0, 2/0	3/0, 2/0	3/0, 2/0	.528	.414	.528	.414	2.252	1.483	1 1/8	—	—	—	D∞	D∞	D∞	D∞		

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

† Use three indents with mechanical tools and one indent with hydraulic tools. At 15 ton/head, use appropriate die adapters.

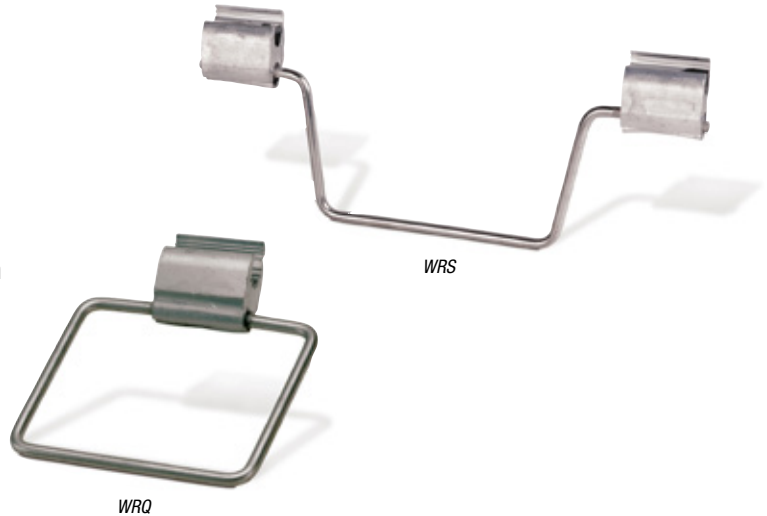
∞ Blackburn "D" dies.

## Stirrup Connectors

Protect main conductors from arcing damage.

### WRQ and WRS Stirrup Connectors

- Guard main conductors against arcs — perfect for when hot line taps are installed
- Utilize standard WR connectors and plated copper bails for high conductivity and corrosion resistance



Blackburn® Overhead

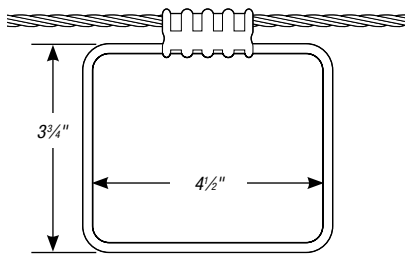


Fig. 1

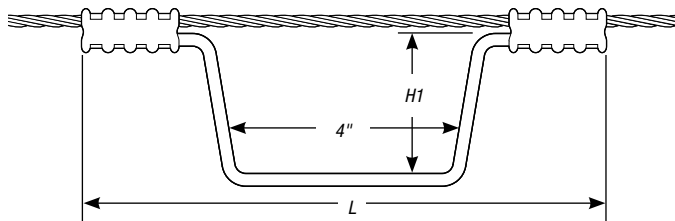


Fig. 2

### WRQ and WRS Stirrup Connectors

FIGURE 1 CAT. NO.	FIGURE 2 CAT. NO.	CONDUCTOR RANGE		DIAMETER (IN.)		COPPER BAIL	INSTALLATION DIES		DIMENSIONS TYPE WRS	
		ACSR	AWG	MAX.	MIN.		MECH.	HYD.	L	H
WRQ154	WRS154	#2-#6	#1 str.-#6 sol.	.332	.162	#4 sol.	0	0	10	7/8
WRQ152	WRS152	#2-#6	#1 str.-#6 sol.	.332	.162	#2 sol.	0	0	10	7/8
WRQ172	WRS172	1/0-#3	1/0 str.-#1 sol.	.398	.281	#2 sol.	0	0	10	7/8
WRQ232	WRS232	2/0-1/0	2/0 str.-1/0 str.	.447	.368	#2 sol.	D	D	10	7/8
WRQ352	WRS352	4/0-3/0	4/0 str.-3/0 str.	.563	.46	#2 sol.	D	D	10	7/8
—	WRS719	397 <sup>1</sup> / <sub>2</sub> -266	400 str.-250 str.	.743	.6	2/0 sol.	—	N	12 <sup>1</sup> / <sub>4</sub>	3 <sup>3</sup> / <sub>16</sub>
—	WRS819	477 <sup>26</sup> / <sub>7</sub> -266	500 str.-336 str.	.858	.666	2/0 sol.	—	N	12 <sup>1</sup> / <sub>4</sub>	3 <sup>3</sup> / <sub>16</sub>
WRQ698	—	477 <sup>26</sup> / <sub>7</sub> -266	500 str.-250 str.	.858	.574	#2 sol.	—	N	12 <sup>1</sup> / <sub>4</sub>	3 <sup>3</sup> / <sub>16</sub>

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

## Stirrup Connectors

Aluminum conductor elements are designed to be preloaded for faster installation into hotstick tools.

### SC and QC Stirrup Connectors

- Use standard O, D and N dies — no special compression tools needed
- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- Bail made of tin-plated copper wire for high conductivity and corrosion resistance
- Wide range of stirrups fit #6 solid to 500 kcmil wire sizes
- Knurled design resists rotation



SC0

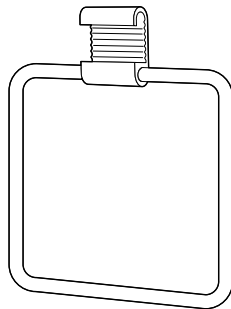


Fig. 1

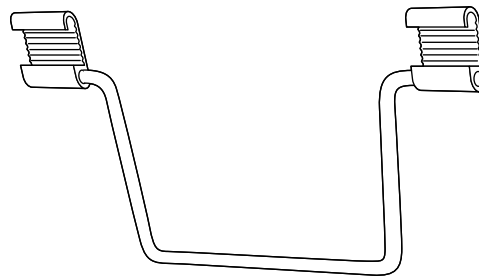


Fig. 2

FIGURE 1 CAT. NO.	FIGURE 2 CAT. NO.	CONDUCTOR RANGE				BAIL (TIN PLATED)		INSTALLATION DIES		DIMENSIONS	
		ACSR	AWG	DIAMETER		SIZE	DIA. (MM)	MECH.	HYD.	L	H1
				IN.	MM						
QC002	SC002	#2-#6	#2 str.-#6 sol.	.325-.162	8.25-.412	#2 sol.	6.35	O	O	8¾	3½
QC021	SC021	2/0-#2	2/0 str.-#2 sol.	.414-.292	10.51-7.41	#2 sol.	6.35	O	O	8¾	3½
QCD41	SCD41	4/0-3/0	4/0 str.-3/0 sol.	.563-.464	14.29-10.51	#2 sol.	6.35	D	—	8¾	3½
QCN50	SCN50	477181-4/0	500-4/0 str.	.814-.528	20.66-13.40	1/0 sol.	6.22	—	N	11	3½

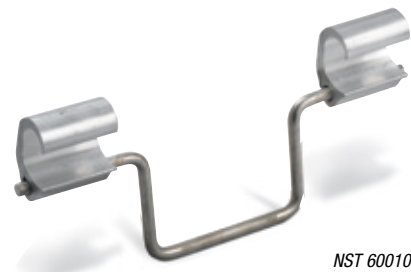


## Stirrup Connectors

Protect conductors from arc and mechanical damage where hot line clamps are used.

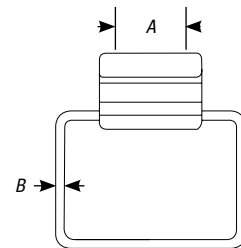
### Anti-Rotational Hot-Line Stirrups

- For aluminum, AAAC and ACSR conductors
- Can be pre-loaded into a hotstick installing tool, hooked over the line and compressed
- Connector is made from aluminum, and factory-installed bail is tin-plated solid copper for high conductivity and corrosion resistance
- Diamond knurling at tap connections and in the hot-line clamping area improve both mechanical and electrical performance
- Connectors prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- All connectors marked with wire size, installation die codes and compression locations, providing easy identification for easy installation



### C-Type Stirrups

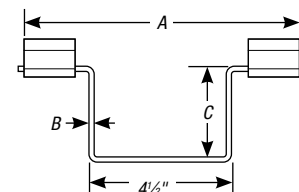
CAT. NO.	CONDUCTOR SIZE			A	B	DIE
	ACSR	STR.	SOL.			
OC 42	#4	#4	#6-#4	1 7/8	2	O
OC 22	#4-#2	#4-#2	#2	1 7/8	2	O
OC 102	#4-1/0	#2-1/0	—	1 7/8	2	O
DC 402	3/0-4/0	3/0-4/0	—	2 3/4	2	D
NC 40010	266.8 (18/1)-397.5 (18/1)	250 (37)-400 (37)	—	2 1/2	1/0	N
NC 60010	397.5 (18/1)-556.5 (18/1)	477-600	—	2 1/2	1/0	N



### Crank-Type Stirrups

CAT. NO.	CONDUCTOR SIZE			A	B	C	DIE
	ACSR	STR.	SOL.				
OST 42	#4	#6 sol.-#4		10	2	2 3/4	O
OST 22	#4-#2	#4-#2		10	2	2 3/4	O
OST 102	#4-1/0	#2-1/0		10	2	2 3/4	O
OB 103 ST	#6-1/0	#6-1/0		9 1/2	2	2 3/4	O
DST 402	3/0-4/0	3/0-4/0		10	2	2 3/4	D
NST 40010	266.8 (18/1)-397.5 (18/1)	250 (37)-400 (37)		12	1/0	2 1/8	N
NST 60010	397.5 (26/7)-556.5 (18/1)	477-600		12	1/0	2 1/8	N
DB 404 ST*	3/0-4/0	3/0-4/0		12	2	2 3/4	D
NB 50040 ST*	4/0-477 (18/1)	4/0-500		10	2/0	2 1/8	N

\* Designates H-Tap style.

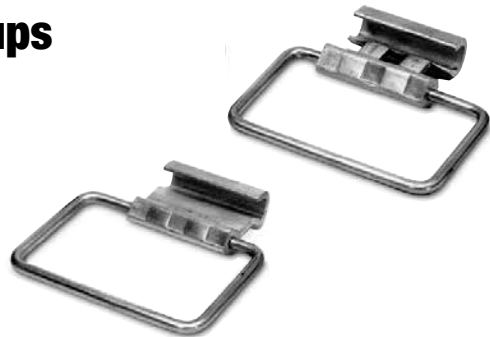


## Stirrup Connectors

Protect aluminum and ACSR main conductors from arc and mechanical damage where hot-line clamps are used.

### Anti-Rotational Paltrap™ Hot-Line Stirrups

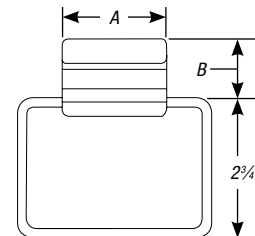
- For aluminum, 5005, AAAC and ACSR conductors
- Can be pre-loaded into a hotstick installing tool, hooked over the line and compressed
- Paltrap connector is made from aluminum, and factory-installed bail is tin-plated solid copper for high conductivity and corrosion resistance
- Connectors prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- All connectors marked with wire size, installation die codes and compression locations, providing easy identification for easy installation



#### Anti-Rotational Paltrap™ Hot-Line Stirrups

CAT. NO.	MAIN CONDUCTOR			A	B	INSTALLING DIE
	SOL.	STR.	ASCR			
QH 6 S	#4 and #6	#6	#6	2 <sup>1</sup> / <sub>16</sub>	1	TQ, 12, 1/2,
QH 4 S	#2	#4	#4	2 <sup>1</sup> / <sub>16</sub>	1	42
SH 2 S	—	#2	#2	2 <sup>3</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>16</sub>	45, TS, 13, 3/16

*Note:* Bails may be ordered separately for field assembly of stirrups using Paltrap connectors. Specify catalog number HLB 2 for #2 tinned solid copper bail or catalog number HLB 10 for 1/0 tinned solid copper bail.



Designed for distribution service connections with standard hotsticks.

### Copper Tin-Plated Bails

- Choose from seven bail types, all handling either #2 or 1/0 conductor sizes
- Tin plated to resist corrosion



S 4425

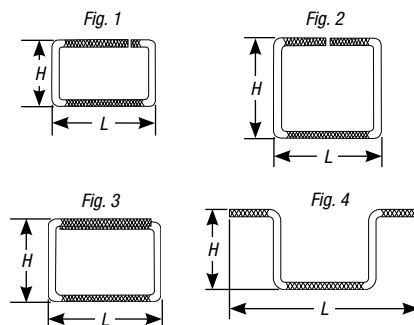


HLB 2

#### Copper Tin-Plated Bails

CAT. NO.	SIZE	FIG.	H	L
HLB 2	#2	1	2 <sup>3</sup> / <sub>8</sub>	4 <sup>1</sup> / <sub>4</sub>
HLB 10	1/0	1	2 <sup>3</sup> / <sub>4</sub>	4 <sup>3</sup> / <sub>8</sub>
S 4425*	#2	2	4	4 <sup>1</sup> / <sub>4</sub>
S 4425-1/0	1/0	2	4	4 <sup>1</sup> / <sub>4</sub>
OL 4425	#2	3	3 <sup>1</sup> / <sub>8</sub>	4 <sup>1</sup> / <sub>4</sub>
HLCB 2	#2	4	2 <sup>3</sup> / <sub>4</sub>	4 <sup>1</sup> / <sub>2</sub>

\* S 4425 is split in the center and recommended for H-Type connector applications.

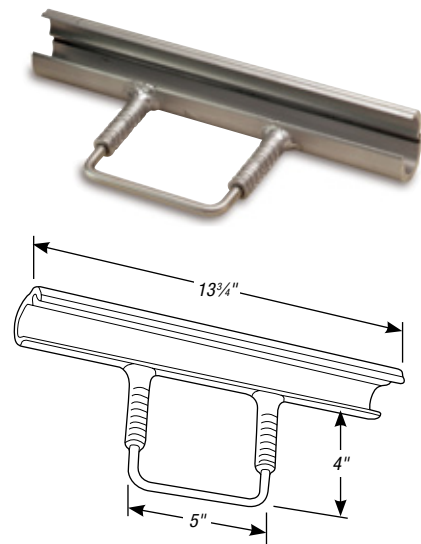


## Stirrup Connectors

The single-piece stirrup for a large, workhorse conductor.

### CCS Compression Stirrup

- Bail made of tin-plated copper wire for high conductivity and corrosion resistance
- Use U or 6024 dies — no special compression tools needed



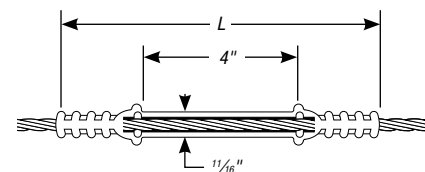
#### CCS Compression Stirrup

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 conductors from arcing when line clamps are attached or disconnected.

### LP Compression Line Protector Sleeves

- Fit #4, #2 and 1/0 conductors
- Feature a hot-line clamp-bearing surface measuring 1/16" diameter by 4" long
- Use 5/8", BG and G dies — no special compression tools needed



Hot line clamp bearing surface:  
1/16" dia. x 4" length

#### LP Compression Line Protector Sleeves

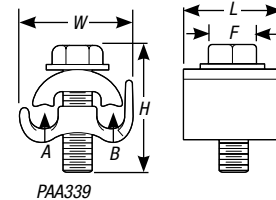
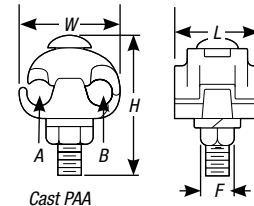
	ACSR	AWG	DIAMETER		LENGTH	INSTALLING DIES
			MAX.	MIN.		
LP4	#4	#4	.257	.232	8	5/8" Peach, BG, G
LP2	#2	#2	.316	.292	8	5/8" Peach, BG, G
LP10	1/0	1/0	.398	.373	8	0

## Parallel-Groove Connectors

High-strength, heat-treated cast aluminum alloy provides secure connections.

### PAA One- and Two-Bolt Aluminum Parallel-Groove Clamps

- Galvanized steel carriage bolt, nut and lockwasher included
- Dual-rated for use on aluminum, ACSR and copper conductors
- Available prefilled with oxide inhibitor to prevent oxidation on copper-to-aluminum connections



STANDARD CAT. NO.	PREFILLED CAT. NO.	CONDUCTOR RANGE				CONDUCTOR DIAMETER				DIMENSIONS (IN.)				BOLT SIZE
		MAIN		TAP		MAIN		TAP		F	H	L	W	
		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	9/16	1 13/16	1 11/32	1 3/8	5/16
—	PAA339	1/0-#6	1/0 str.-#6 sol.	1/0-#6	1/0 str.-#6 sol.	.398	.162	.398	.162	9/16	1 1/16	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	9/16	2 1/32	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	9/16	2 1/32	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	9/16	2 1/32	1 3/8	1 3/8	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	9/16	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 3/4	3 3/4	2 1/2	1/2

\* RUS Listed.

† PAA400 and PAA4009 are two bolt clamps.

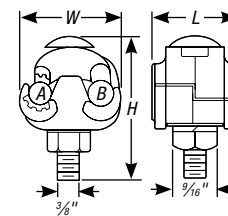
AR = Over armor rod.

Note: For hex-head bolt option, add "-3" suffix to the catalog number.

Our most corrosion-resistant groove clamp ever!

### PAC Aluminum Parallel-Groove Clamps with Copper Liner

- Pressure-cast aluminum body effectively seals out moisture and resists corrosion
- Clamp separates conductors to reduce the possibility of galvanic corrosion



STANDARD CAT. NO.	PREFILLED CAT. NO.	CONDUCTOR RANGE			CONDUCTOR DIAMETER		DIMENSIONS (IN.)		
		MAIN		TAP	MAIN	TAP	H	W	L
		ACSR	AL	COPPER					
PAC345	PAC3459	1/0-#8	1/0 str.-#8 sol.	1/0 str.-#8 sol.	.398-.128	.373-.128	2 1/32	1 17/32	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 3/8	1 3/8

\* RUS Listed.

Note: For hex-head bolt option, add "-3" suffix to the catalog number.

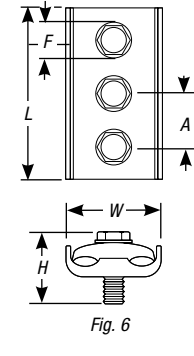
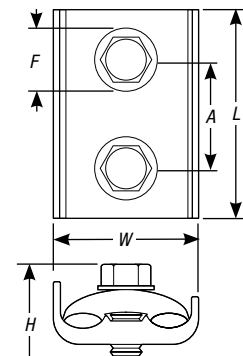
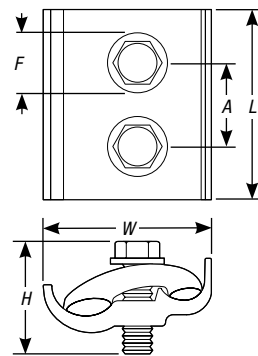
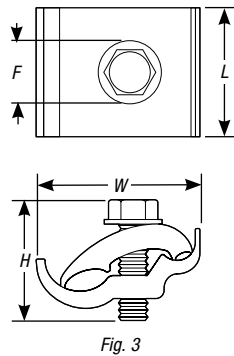
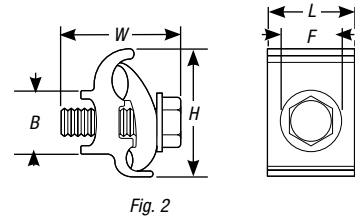
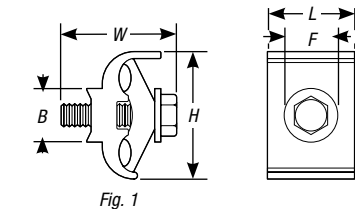
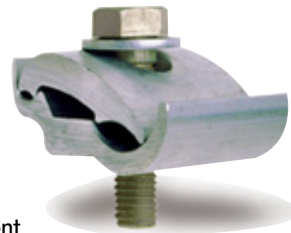
## Parallel-Groove Connectors

Galvanized steel hardware provides high strength for heavy-duty applications.

### PAE Parallel-Extruded Type Groove Clamps

- Install with live line tools you already have
- Dual-rated for aluminum-to-copper connections
- Prefilled with oxide inhibitor (“-9” suffix in chart) to prevent oxidation on copper-to-aluminum connections

**Note:** For aluminum-hardware option, add “-7” suffix to the catalog number.  
 For tin-plating option, add “-P” suffix to the catalog number.  
 For wax-dip option that provides oxide protection for aluminum-to-aluminum connections, add “-6” suffix to the catalog number.



CAT. NO.	CONDUCTOR RANGE		CONDUCTOR DIAMETER (IN.)				DIMENSIONS (IN.)							GALVANIZED ALUMINUM	
			MAIN		TAP		FIG.	H	W	L	F	B	A	STEEL BOLT THD. SIZE.	BOLT THD. SIZE.
			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 3/8	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 1/8	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 3/16	2 1/4	1 1/8	3/4	1 1/8	—	1/2-13 UNC	1/2-13 UNC
PAE-9941-9	1000-397.5 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 3/16	2 3/16	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 3/16	2 3/16	3 3/8	3/4	—	1 1/8	1/2-13 UNC	3/8-11 UNC
PAE-9921-9	1000-397.5 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	3/8-11 UNC
PAE-9939-9	1000-397.5 ACSR, 336.4-2/0 AR	397.5 ACSR-3/0 str., 2/0-#6 AR	1.152	.743	.743	.464	4	2 13/16	3 3/64	3 1/2	3/4	—	1 1/2	1/2-13 UNC	3/8-11 UNC
PAE-9999-9	1000-397.5 ACSR, 336.4-2/0 AR	1000-397.5 ACSR, 336.4-2/0 AR	1.152	.743	1.152	.743	6	2 13/16	3 1/2	6	3/4	—	2	1/2-13 UNC	3/8-11 UNC

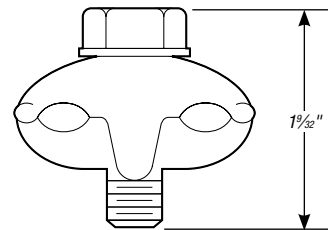
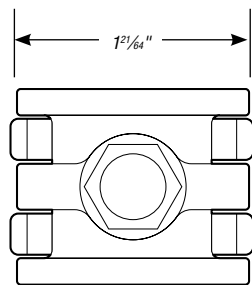
\* RUS Accepted.  
 AR = Over armor rod.

## Parallel-Groove Connectors

These jumper clamps are sized right for #8 solid copper to 1/0 ACSR or 2/0 copper.

### K Series Jumper Clamps

- Made of copper alloy for high strength and durability
- Silicon-bronze hex-head washer bolt ensures a super-secure fitting
- Parallel-groove design eliminates the need to remove the bolt for installation
- Available unplated, plated or with plating in one groove — choose the model that works best with your wiring



#### Jumper Clamp

CAT. NO.	PLATED GROOVE		COPPER GROOVE		BOTH GROOVES PLATED		BOTH GROOVES UNPLATED	
	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.		
<b>With One Plated and One Copper Groove</b>								
K1 <sup>1</sup>	1/0 ACSR, #2 SCG amerductor, 3/16 galv. strand	#6 ACSR, #12 SCG amerductor, #8 solid iron	2/0 str. copper, 3/16 Copperweld*, 2A Copperweld*	#8 solid copper, #9-12D Copperweld*, etc.	—	—	—	—
<b>With Both Grooves Plated</b>								
K2 <sup>2</sup>	—	—	—	—	1/0 ACSR, #2 SCG amerductor, 3/16 galvanized steel strand	#6 ACSR, #12 SCG amerductor, #8 solid iron	—	—
<b>With Both Grooves Unplated</b>								
K3 <sup>3</sup>	—	—	—	—	—	—	2/0 str. copper, 3/16 Copperweld*, 2A Copperweld*	#8 solid copper, 9/16D Copperweld*, etc.

\* Trademark of Copperweld.

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

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

3) Clamp is not plated. For copper-to-copper connections.

## Insulation-Piercing Connectors

No need to strip conductor insulation or use tape after installation.

### Type IPC — Talon Insulation Piercing Connectors

- For copper-to-copper, copper-to-aluminum and aluminum-to-aluminum applications (insulated conductor only)
- Performs as splice or tap for non-tension applications up to 600 volts, depending on size of connector
- Self insulated for hot line applications
- Six sizes cover range from #10–500 kcmil
- UL® 486B Listed AL9CU (90° C rated)

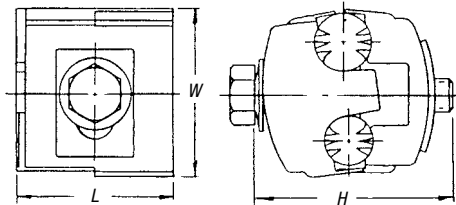


Fig. 1

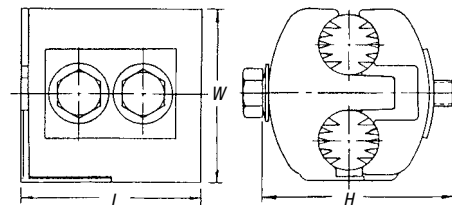


Fig. 2



CAT. NO.	AL OR CU CONDUCTOR RANGE AWG/MM <sup>2</sup>		NO. BOLTS	FIG.	DIMENSIONS (IN.)		
	MAIN	TAP			W	H	L
IPC1102*	1/0–8	2–8	1	1	29/16	2	1 17/32
	50–6	35–6					
IPC4111	4/0–1/0	1/0–6	2	2	2 1/2	3	1 19/32
	95–50	50–16					
IPC4141	4/0–1/0	4/0–1/0	2	2	2 5/8	3 1/4	1 29/32
	95–50	95–50					
IPC5041*	500–350	4/0–4	1	1	2	2 1/2	2 1/8
	240–185	90–25					
IPC3535	350–4/0	350–4/0	2	2	2 1/16	2 1/2	2 1/8
	185–95	185–95					
IPC3541	350–4/0	4/0–10	1	1	2 3/4	3	2 5/8
	185–95	95–6					

\* 600V Rating (all others 300V).

## BolTap™ Wedges

Fast and easy installation saves you time and money.

### BolTap™ Wedges

- Only hammer and wrench needed for installation
- Removable and reusable
- Wide conductor range further reduces inventory



A 4055

CAT. NO.	CONDUCTOR COMBINATIONS
A 4025	266.8-#4 or -#6; 336-#4 or -#6; 350-#4 or -#6
A 4030	266.8-#2 or -1/0; 336-#6, -#4 or -#2; 350-#2; 397-#6 or -#4; 477-#6; 500-#6
A 4035	266.8-1/0, -2/0, -3/0 or -4/0; 336-#2, -1/0, -2/0 or -3/0; 350-1/0 or -2/0; 397-#4, -#2, -1/0 or -2/0; 477-#6, -#4 or -#2; 500-#4 or -#2; 556-#6, -#5 or -#4
A 4040	266.8-3/0, -4/0, -250 or -266; 336-2/0, -3/0, -4/0 or -250; 350-2/0, -3/0, -4/0 or -250; 397-1/0, -2/0, -3/0 or -4/0; 477-#2, -1/0 or -2/0; 500-#2, -1/0 or -2/0; 556-#2 or -1/0
A 4045	266.8-266 or -300; 336-4/0, -250, -266 or -300; 350-4/0, -266 or -300; 397-3/0, -4/0, -250 or -266; 477-1/0, -2/0, -3/0 or -4/0; 500-2/0, -3/0 or -4/0; 566-1/0, -2/0 or -3/0
A 4050	336-266, -300, -336 or -350; 350-336 or -350; 397-4/0, -250, -266, -300, -336 or -350; 477-3/0, -4/0, -250, -266 or -300; 500-4/0, -250, -266 or -300; 556-3/0, -4/0, -250 or -266
A 4055	336-336 or -397; 397-336, -350 or -397; 477-266, -300, -336 or -350; 556-266, -300 or -336
A 4060	397-397 or -500; 477-336, -350, -397, -477 or -500; 500-336, -397 or -500; 556-336, -350, -397 or -500
A 4065	477-397, -477 or -556; 556-397, -477 or -556
A 5035	556; 653; 750-#6
A 5040	556-#4 or -#2; 605-#6 or -#4; 636-#6, -#4 or -#2; 653-#6 or -#4; 750-#6
A 5045	556-1/0 or -2/0; 605-#2, -1/0, -2/0 or -3/0; 636-#2, -1/0 or -2/0; 653-#2, -1/0, -2/0 or -3/0; 750-1/0 or -2/0; 795-#6, -#4 or -#2; 954-#6

**Note:** Conductor combinations shown are for reference only. Consult your Thomas & Betts representative for verification or for conductor combinations not shown. For shear-head option, add "-SH" suffix to the catalog number. For BolTap stirrups, please consult your Thomas & Betts representative.

CAT. NO.	CONDUCTOR COMBINATIONS
A 5050	556-3/0 or -4/0; 605-3/0 or -4/0; 636-1/0, -2/0, -3/0 or -4/0; 653-3/0 or -4/0; 750-3/0 or -4/0; 795-#4, -#2, -1/0 or -2/0; 954-#4
A 5055	336-3/0, -4/0, -250, -266 or -300; 556-250, -266 or -300; 605-4/0 or -250; 653-4/0 or -250; 750-4/0, -250, -266 or -300; 795-1/0, -2/0, -3/0, -4/0 or -250; 954-1/0
A 5060	556-266, -336 or -350; 605-266, -300, -336 or -350; 636-266, -300, -336 or -350; 653-266, -300, -336 or -350; 750-266, -336, -350 or -397; 795-3/0, -4/0, -250, -266 or -300; 954-2/0, -3/0 or -4/0
A 5065	336-336, -397, -477 or -500; 556-336, -397, -477 or -500; 605-397, -477 or -500; 653-336, -397, -477 or -500; 750-397, -477 or -500; 795-250, -266, -300, -336 or -350; 954-4/0, -250, -266 or -300
A 5070	556-477, -556, -636 or -750; 605-477 or -556; 653-477 or -556; 750-477, -556 or -750; 795-266, -336, -397, -477 or -350; 954-266, -336 or -350
A 5075	556-556; 605-556, -605, -636, -653 or -750; 636-556, -605, -636, -653 or -750; 653-556, -605, -636, -653 or -750; 795-397, -477, -500, -636 or -750; 954-397, -477 or -500
A 5080	636-636; 795-477, -556, -605, -636, -653, -750 or -795; 954-477, -556, -636 or -750
A 5085	795-605, -636 or -795; 954-605, -636, -653 or -795
A 5090	795-795; 954-795 or -954

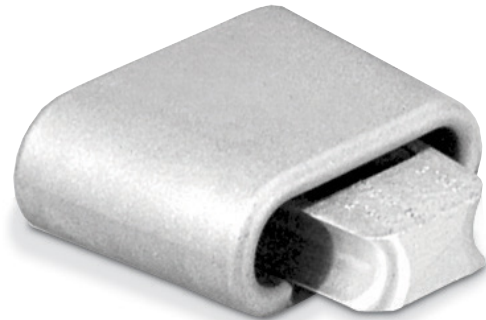


## PowerTap™ Wedges

Reliable performance in the harshest of environments.

### PowerTap™ Wedges

- Low stresses produced at interfaces preclude significant conductor creep and minimize loss of clamping force on connectors
- Contact forces are nearly constant during temperature changes or conductor compaction
- Driving action helps remove oxidation from conductor and lowers contact resistance
- RUS Accepted



CAT. NO.	WIRE COMBINATIONS
<b>Small Taps — Use Shell PT-White</b>	
PT 1010	1/0-#2
PT 1011	#2-#2, 1/0-#4
PT 1012	#2-#4, 1/0-#6
PT 1013	#4-#4, #2-#6
PT 1014	#6-#6, #4-#6
PT 1015	#8-#8
<b>Medium Taps — Use Shell PT-Blue</b>	
PT 4001	1/0-1/0, 2/0-#2, 1/0-#2
PT 4002	2/0-2/0, 3/0-1/0, 4/0-#2
PT 4003	3/0-#6, 2/0-#6
PT 4004	2/0-#4, 3/0-#4
PT 4005	2/0-1/0, 3/0-#2
PT 4006	4/0-#4
PT 4007	4/0-#4
PT 4008	3/0-2/0, 4/0-1/0
PT 4009	3/0-3/0, 4/0-2/0
PT 4010	4/0-3/0
PT 4011	4/0-4/0
<b>266 kcmil Taps — Use Shell PT-Blue</b>	
PT 26601	266.8-#6
PT 26602	266.8-#4
PT 26603	266.8-#2
PT 26604	266.8-1/0
PT 26605	266.8-2/0
PT 26606	266.8-3/0
PT 26607	266.8-4/0
PT 26608	—
PT 26609	266.8-266.8
<b>350 kcmil Taps — Use Shell PT-Blue</b>	
PT 35000	350-#6
PT 35001	350-#4
PT 35002	350-#2
PT 35003	350-1/0
PT 35004	350-2/0
PT 35005	350-3/0
PT 35006	350-4/0
PT 35007	350-350

**Note:** For a kit containing a wedge and PowerTap shell, add "-K" suffix to the catalog number.

Continued on following page.

## PowerTap™ Wedges

### PowerTap™ Wedges (continued)

Blackburn® Overhead



CAT. NO.	WIRE COMBINATIONS
<b>336-556 kcmil Taps — Use Shell PT-Yellow</b>	
PT 33601	336.4-336.4
PT 33602	336.4-266.8
PT 33603	336.4-4/0
PT 33604	336.4-3/0
PT 33605	336.4-2/0
PT 33606	336.4-1/0
PT 33607	336.4-#2
PT 33608	336.4-#4
PT 33609	336.4-#6
PT 47701	477-#2 or -#3
PT 47702	477-#4 or -#5
PT 47703	477-#6
PT 55601	556.5-477 or -556.5
PT 55602	477-477; 556.5-336.4
PT 55603	477-336.4; 556.5-266.8
PT 55604	477-266.8; 556.4-3/0 or -4/0
PT 55605	477-4/0; 556.5-2/0
PT 55606	477-3/0; 556.5-#1
PT 55607	477-2/0; 556.5-#1
PT 55608	477-1/0; 556.5-#2
PT 55609	556.5-#2 or -#3
PT 55611	556.5-#4 or -#5
PT 55612	556.5-#6
<b>795 kcmil Taps — Use Shell PT-Yellow</b>	
PT 79500	795-795
PT 79501	795-715
PT 79502	795-636
PT 79503	795-556.5
PT 79504	795-477
PT 79505	795-397.5
PT 79506	795-336.4
PT 79507	795-266.4
PT 79508	795-4/0
PT 79509	795-3/0
PT 79510	795-2/0
PT 79511	795-1/0
PT 79512	795-#2
PT 79513	795-#4
PT 79514	795-#6

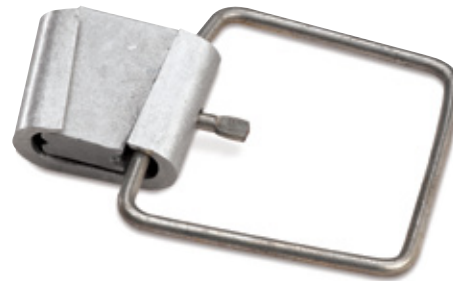
CAT. NO.	WIRE COMBINATIONS
<b>1033.5 kcmil Taps — Use Shell PT-Yellow</b>	
PT 103300	1033.5-1033.5
PT 103301	1033.5-954
PT 103302	1033.5-795
PT 103303	1033.5-715.5
PT 103304	1033.5-636
PT 103305	1033.5-556.5
PT 103306	1033.5-477
PT 103307	1033.5-397.5
PT 103308	1033.5-336.4
PT 103309	1033.5-266.8
PT 103310	1033.5-4/0
PT 103311	1033.5-3/0
PT 103312	1033.5-2/0
PT 103313	1033.5-1/0
PT 103314	1033.5-#2
PT 103315	1033.5-#4
PT 103316	1033.5-#6
<b>1192 kcmil Taps — Use Shell PT-Yellow</b>	
PT 119200	1192.5-1192.5
PT 119201	1192.5-1033.5
PT 119202	1192.5-954
PT 119203	1192.5-795
PT 119204	1192.5-715.5
PT 119205	1192.5-636
PT 119206	1192.5-556.5
PT 119207	1192.5-477
PT 119208	1192.5-397.5
PT 119209	1192.5-336.4
PT 119210	1192.5-266.8
PT 119211	1192.5-4/0
PT 119212	1192.5-3/0
PT 119213	1192.5-2/0
PT 119214	1192.5-1/0
PT 119215	1192.5-#2
PT 119216	1192.5-#4
PT 119217	1192.5-#6

## PowerTap™ Wedges

Aluminum stirrup connectors built for strength, conductivity and longevity.

### PowerTap™ Stirrups

- Bail made of tin-plated copper wire for high conductivity and corrosion resistance
- Wide range of stirrups fit a variety of clamp sizes
- Low stresses produced at interfaces preclude significant conductor creep and minimize loss of clamping force on connectors
- Contact forces remain nearly constant during temperature changes or conductor compaction
- Driving action helps remove oxidation from conductor and lowers contact resistance
- RUS Accepted



CAT. NO.	WIRE SIZE	BAIL SIZE
<i>Use Shell PT-Blue</i>		
PT 4020 S 2	#1, 1/0, 2/0	#2
PT 4005 S 10	1/0, 2/0	1/0
PT 4004 S 2	2/0, 3/0	#2
PT 4007 S 2	3/0, 4/0	#2
PT 4007 S 10	3/0, 4/0	1/0
PT 4008 S 20	3/0, 4/0	2/0
PT 26602 S 2	266.8	#2
PT 26603 S 10	266.8	1/0
PT 35002 S 10	350 AAC	1/0
PT 35002 S 2	350 AAC	#2
<i>Use Shell PT-White</i>		
PT 1050 S 2	#6	#2
PT 1011 S 2	#5, #4, #2	#2

CAT. NO.	WIRE SIZE	BAIL SIZE
<i>Use Shell PT-Yellow</i>		
PT 33606 S 10	336.4	1/0
PT 33605 S 20	336.4	2/0
PT 33604 S 40	336.4	4/0
PT 47701 S 10	397.4, 477	1/0
PT 55607 S 20	397.4, 477	2/0
PT 55606 S 40	397.4, 477	4/0
PT 55608 S 10	556	1/0
PT 55607 S 20	556	2/0
PT 55605 S 40	556	4/0
PT 79511 S 40	636	4/0
PT 79512 S 20	636	2/0
PT 79511 S 20	795	2/0
PT 79509 S 40	795	4/0
PT 103312 S 40	1033.5	4/0

Strong lugs that withstand corrosion.

### PowerTap™ Terminal Lugs

- 2-hole paddle, 4-hole paddle and 4-hole flag models available
- Fit a variety of lug sizes



PT 2 N 795

CAT. NO.	WIRE SIZE	TAP GROOVE	SPADE TYPE
PT 2 N 4/0	#2-#6, 1/0-4/0, 266.8	4/0 str.	2-Hole Paddle
PT 2 N 336	336.4, 397.5, 477, 556.5	336.4 str.	2-Hole Paddle
PT 2 N 795	636, 795, 954, 1033.5	795 str.	2-Hole Paddle
PT 4 N 4/0	#2-#6, 1/0-4/0, 266.8	4/0 str.	4-Hole Paddle
PT 4 N 336	336.4, 397.5, 477, 556.5	336.4 str.	4-Hole Paddle
PT 4 N 795	636, 795, 954, 1033.5	795 str.	4-Hole Paddle
PT 4 N 336 F	336.4, 397.5, 477, 556.5	336.4 str.	4-Hole Flag
PT 4 N 795 F	636, 795, 954, 1033.5	795 str.	4-Hole Flag

## PowerTap™ Tools and Accessories

On-the-go equipment to make clean moves, adds and changes.

### PowerTap™ Fire-On Tools and Accessories

- Long-lasting tool comes with heads of your choice to simplify installation
- Shells, take-off clips and carrying case sold separately to complete your system
- Cleaning tool and cleaning kit also available for maintaining your PowerTap™ equipment
- Tools and accessories are also compatible with other leading connector manufacturers' products



PT -TOOL

#### PT-TOOL CLEANING KIT includes:

- |                              |                              |
|------------------------------|------------------------------|
| (1) powder solvent           | (1) gun oil                  |
| (1) shotgun cleaning rod     | (1) small shotgun bore brush |
| (1) large shotgun bore brush | (1) small shotgun bore swab  |
| (1) large shotgun bore swab  | (1) small brass brush        |



Fig. 1

CAT. NO.	DESCRIPTION
<b>PowerTap™ Tool</b>	
PT-TOOL	(1) Large Head, (1) Small Head, (1) Power Unit
PT-TOOL S	(1) Small Head, (1) Power Unit
PT-TOOL L	(1) Large Head, (1) Power Unit
<b>PowerTap™ Shells</b>	
PT-RED	Red
PT-WHITE	White
PT-BLUE	Blue
PT-YELLOW	Yellow
<b>PowerTap™ Take-Off Clips</b>	
PT-CLIP, WHITE/BLUE	White & Blue
PT-CLIP, YELLOW	Yellow
<b>PowerTap™ Cleaning Tool</b>	
PT-CLEANING TOOL	Cleaning Tool
<b>PowerTap™ Cleaning Kit</b>	
PT-TOOL CLEANING KIT	See Fig. 1
<b>PowerTap™ Carrying Case</b>	
PT-CARRYING CASE	Carrying Case

## Hydraulic PowerTap™ System

Wedge tap science meets battery-power technology!

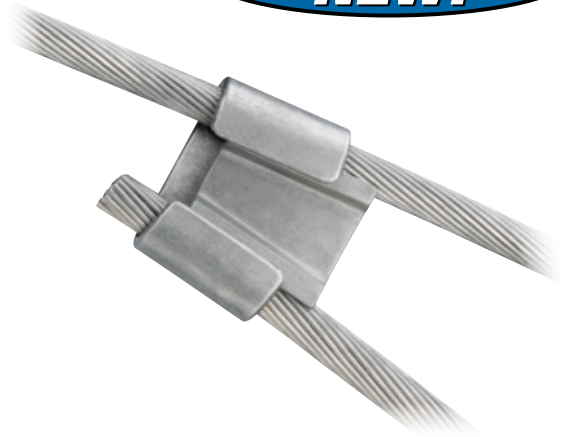
### Hydraulic PowerTap™ System Wedge Tap

Hundreds of thousands of fired-on wedge connectors are installed on the electrical grid each year. Fired-on wedge connectors are installed using powder-actuated tools that use explosive cartridges. These tools are more costly to operate and maintain because cartridges don't always actuate and extensive cleaning is needed to remove the carbon build up caused by normal cartridge detonation. In addition, the life cycle of the cartridges themselves adds direct cost to installations — purchase price, freight, inventory and, finally, the disposal of cartridges after installation.

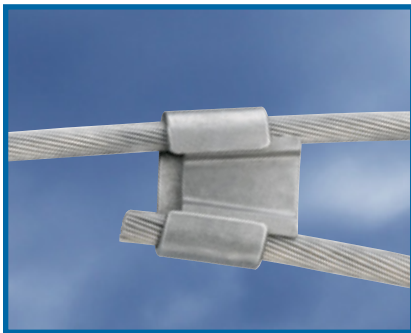
The new Blackburn® Hydraulic PowerTap™ System is a game changer. The Blackburn® HPT System provides the reliability of wedge connector technology without the hassles of traditional installation tools through the use of a battery-powered hydraulic tool. This technology allows the installer to get the job done quickly and safely the first time, without misfires. The HPT System eliminates the purchase, transportation, cleaning, maintenance and disposal costs associated with cartridges.

Thomas & Betts offers a complete line of wedge taps for use with the HPT Tool. The Blackburn® Hydraulic PowerTap™ System is your best choice for the safest, most reliable wedge tap connection.

**NEW!**



### Installation Sequence for the Blackburn® Hydraulic PowerTap™ System



Place cables into connector.



Place tool head assembly on connector and tighten.



Attach power unit to tool head assembly using the unique quick-connect coupler.



Activate power unit.



Release power unit trigger. Remove the entire tool assembly from the connection.



The tool head can now be disassembled by pressing the lever on the quick-connect coupling — ready for the next install or for transport.

## Hydraulic PowerTap™ System

### Blackburn® Hydraulic PowerTap™ Connectors

#### CAT. NO. WIRE COMBINATIONS

*Connectors Installed with Small Tool Head and Low Tool Setting*

HPT 1010	1/0-#2
HPT 1011	#2-#2, 1/0-#4
HPT 1012	#2-#4, 1/0-#6
HPT 1013	#4-#4, #2-#6
HPT 1014	#6-#6, #4-#6
HPT 1015	#8-#8
HPT 4001	1/0-1/0, 2/0-#2, 1/0-#2
HPT 4002	2/0-2/0, 3/0-1/0, 4/0-#2
HPT 4003	3/0-#6, 2/0-#6
HPT 4004	2/0-#4, 3/0-#4
HPT 4005	2/0-1/0, 3/0-#2
HPT 4006	4/0-#4
HPT 4007	4/0-#4
HPT 4008	3/0-2/0, 4/0-1/0
HPT 4009	3/0-3/0, 4/0-2/0
HPT 4010	4/0-3/0
HPT 4011	4/0-4/0
HPT 26601	266.8-#6
HPT 26602	266.8-#4
HPT 26603	266.8-#2
HPT 26604	266.8-1/0
HPT 26605	266.8-2/0
HPT 26606	266.8-3/0
HPT 26607	266.8-4/0
HPT 26609	266.8-266.8
HPT 35000	350-#6
HPT 35001	350-#4
HPT 35002	350-#2
HPT 35003	350-1/0
HPT 35004	350-2/0
HPT 35005	350-3/0
HPT 35006	350-4/0
HPT 35007	350-350
HPT 33601	336.4-336.4

#### CAT. NO. WIRE COMBINATIONS

*Connectors Installed with Large Tool Head and High Tool Setting*

HPT 33602	336.4-266.8
HPT 33603	336.4-4/0
HPT 33604	336.4-3/0
HPT 33605	336.4-2/0
HPT 33606	336.4-1/0
HPT 33607	336.4-#2
HPT 33608	336.4-#4
HPT 33609	336.4-#6
HPT 47701	477-#2 or -#3
HPT 47702	477-#4 or -#5
HPT 47703	477-#6
HPT 55601	556.5-477 or -556.5
HPT 55602	477-477; 556.5-336.4
HPT 55603	477-336.4; 556.5-266.8
HPT 55604	477-266.8; 556.4-3/0 or -4/0
HPT 55605	477-4/0; 556.5-2/0
HPT 55606	477-3/0; 556.5-#1
HPT 55607	477-2/0; 556.5-#1
HPT 55608	477-1/0; 556.5-#2
HPT 55609	556.5-#2 or -#3
HPT 55611	556.5-#4 or -#5
HPT 55612	556.5-#6
HPT 79500	795-795
HPT 79501	795-715
HPT 79502	795-636
HPT 79503	795-556.5
HPT 79504	795-477
HPT 79505	795-397.5
HPT 79506	795-336.4
HPT 79507	795-266.4
HPT 79508	795-4/0

#### CAT. NO. WIRE COMBINATIONS

*Connectors Installed with Large Tool Head and High Tool Setting (cont.)*

HPT 79509	795-3/0
HPT 79510	795-2/0
HPT 79511	795-1/0
HPT 79512	795-#2
HPT 79513	795-#4
HPT 79514	795-#6
HPT 103300	1033.5-1033.5
HPT 103301	1033.5-954
HPT 103302	1033.5-795
HPT 103303	1033.5-715.5
HPT 103304	1033.5-636
HPT 103305	1033.5-556.5
HPT 103306	1033.5-477
HPT 103307	1033.5-397.5
HPT 103308	1033.5-336.4
HPT 103309	1033.5-266.8
HPT 103310	1033.5-4/0
HPT 103311	1033.5-3/0
HPT 103312	1033.5-2/0
HPT 103313	1033.5-1/0
HPT 103314	1033.5-#2
HPT 103315	1033.5-#4
HPT 103316	1033.5-#6

### Blackburn® Hydraulic PowerTap™ Stirrups

#### CAT. NO. WIRE COMBINATIONS BALL SIZE

*Stirrups Installed with Small Tool Head and Low Tool Setting*

HPT 4020 S 2	#1, 1/0, 2/0	#2
HPT 4005 S 10	1/0, 2/0	1/0
HPT 4004 S 2	2/0, 3/0	#2
HPT 4007 S 2	3/0, 4/0	#2
HPT 4007 S 10	3/0, 4/0	1/0
HPT 4008 S 20	3/0, 4/0	2/0
HPT 26602 S 2	266.8	#2
HPT 26603 S 10	266.8	1/0
HPT 35002 S 10	350 AAC	1/0
HPT 35002 S 2	350 AAC	#2
HPT 1050 S 2	#6	#2
HPT 1011 S 2	#5, #4, #2	#2

*Stirrups Installed with Large Tool Head and High Tool Setting*

HPT 33606 S 10	336.4	1/0
HPT 33605 S 20	336.4	2/0
HPT 33604 S 40	336.4	4/0
HPT 47701 S 10	397.4, 477	1/0
HPT 55607 S 20	397.4, 477	2/0
HPT 55606 S 40	397.4, 477	4/0
HPT 55608 S 10	556	1/0
HPT 55607 S 20	556	2/0
HPT 55605 S 40	556	4/0
HPT 79511 S 40	636	4/0
HPT 79512 S 20	636	2/0
HPT 79511 S 20	795	2/0
HPT 79509 S 40	795	4/0
HPT 103312 S 40	1033.5	4/0

## Hydraulic PowerTap™ System

### Hydraulic PowerTap™ System Tool

- Power unit and tool head feature a unique quick-connect coupler that engages easily and stays locked until the release lever is depressed
  - Quick-connect coupler enables easy assembly of cable and connector without power unit being engaged
  - Once the assembly has been made, power unit can be engaged, using quick-connect coupler to complete final wedge insertion
  - Integrated positive-stop valve precisely matches output pressure of tool to the wedge tap connector being installed
  - Audible bypass alerts you when optimum pressure is achieved
- Tool operates without cartridges
  - Lower installed cost
  - No powder fouling — minimizes cleaning and maintenance
  - Elimination of powder actuation improves safety
- Ergonomic pistol-grip handle ensures user comfort
- Rugged, weather-resistant housing is built to last in outdoor conditions



Blackburn® Overhead



### Blackburn® Battery-Powered Wedge Connector Tool

CAT. NO.	INCLUDES							
	POWER UNIT	SMALL TOOL HEAD*	LARGE TOOL HEAD**	COUPLING ASSEMBLY	2 BATTERIES	BATTERY CHARGER	CONNECTOR REMOVAL CLIPS	CARRYING CASE
HPT-TOOL	X	X	X	X	X	X	X	X
HPT-TOOL-S	X	X		X	X	X	X	X
HPT-TOOL-L	X		X	X	X	X	X	X
HPT-TOOL-PU	X			X	X	X		X

\* Small tool head installs connector catalog numbers HPT 1010 through HPT 35007 and stirrup catalog numbers HPT 4020 S 2 through HPT 1011 S 2.

\*\* Large tool head installs connector catalog numbers HPT 33601 through HPT 103316 and stirrup catalog numbers HPT 33606 S 10 through HPT 103312 S 40.

## Service Entrance Splices

Basic, uninsulated splices for service entrances.

### Uninsulated Aluminum Service Entrance Compression Splices — ½" Die Series

- Constructed from aluminum for high conductivity
- Solid center barriers and large chamfers for easy cable insertion
- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- All splices are color coded and marked with strip lengths, installation die codes and compression locations, providing easy identification for easy installation
- Comply with ANSI C119.4 when properly installed on aluminum-to-aluminum or aluminum-to-copper conductors
- RUS Accepted



Q 1 U 54

CAT. NO.	CONDUCTOR A				CONDUCTOR B			
	COLOR	SOL.	STR.	ACSR	COLOR	SOL.	STR.	ACSR
Q 1 U 52	GREEN	#6	#8	—	GREEN	#6	#8	—
Q 1 U 53					BROWN	#8	#10	—
Q 1 U 54	BLUE	#4	—	#6-6/1	BLUE	#4	—	#6-6/1
Q 1 U 55					GREEN	#6	#8	—
Q 1 U 56	ORANGE	#2	—	#4-6/1, 7/1	BROWN	#8	#10	—
Q 1 U 57					ORANGE	#2	—	#4-6/1, 7/1
Q 1 U 58	ORANGE	#2	—	#4-6/1, 7/1	BLUE	#4	—	#6-6/1
Q 1 U 59					GREEN	#6	#8	—
Q 1 U 60	RED	#1	#1 & #2	#2-6/1, 7/1	BROWN	#8	#10	—
Q 1 U 65					RED	#1	#1 & #2	#2-6/1, 7/1
Q 1 U 67	RED	#1	#1 & #2	#2-6/1, 7/1	ORANGE	#2	—	#4-6/1, 7/1
Q 1 U 68					BLUE	#4	—	#6-6/1
Q 1 U 69	RED	#1	#1 & #2	#2-6/1, 7/1	GREEN	#6	#8	—
Q 1 U 70					BROWN	#8	#10	—



## Service Entrance Splices

Standard 2" length compression splices.

### Aluminum Service Entrance Compression Splices — U 1 B™ and CS™ 5/8" Die Series

- Constructed from aluminum for high conductivity
- Solid center barriers and large chamfers for easy cable insertion
- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- All splices are color coded and marked with strip lengths, installation die codes and compression locations, providing easy identification for easy installation
- Comply with ANSI C119.4 when properly installed on aluminum-to-aluminum or aluminum-to-copper conductors
- RUS Accepted



U 1 B SERIES CAT. NO.	CS SERIES CAT. NO.	CONDUCTOR A				CONDUCTOR B			
		COLOR	ACSR	STR.	SOL.	COLOR	ACSR	STR.	SOL.
U 1 B 11	—	BROWN	—	#10	#8	BROWN	—	#10	#8
U 1 B 88	CS61	GREEN	—	#8	#6	GREEN	—	#8	#6
U 1 B 81	—					BROWN	—	#10	#8
U 1 B 66	CS64	BLUE	#6 (6/1)	—	#4	BLUE	#6 (6/1)	—	#4
U 1 B 68	CS63					GREEN	—	#8	#6
U 1 B 61	CS62					BROWN	—	#10	#8
U 1 B 612	—					BLACK	—	#12	#10
U 1 B 44	CS68	ORANGE	#4 (6/1, 7/1)	—	#2	ORANGE	#4 (6/1, 7/1)	—	#2
U 1 B 46	CS67					BLUE	#6 (6/1)	—	#4
U 1 B 48	CS66					GREEN	—	#8	#6
U 1 B 41	CS65					BROWN	—	#10	#8
U 1 B 22	CS73	RED	#2 (6/1, 7/1)	#1 & #2	#1	RED	#2 (6/1, 7/1)	#1 & #2	#1
U 1 B 24	CS72					ORANGE	#4 (6/1, 7/1)	—	#2
U 1 B 26	CS71					BLUE	#6 (6/1)	—	#4
U 1 B 28	CS70					GREEN	—	#8	#6
U 1 B 21	CS69	YELLOW	1/0 (6/1)	1/0	#1	BROWN	—	#10	#8
U 1 B 1010	CS78					YELLOW	1/0 (6/1)	1/0	—
U 1 B 102	CS77					RED	#2 (6/1, 7/1)	#1 & #2	#1
U 1 B 104	CS76					ORANGE	#4 (6/1, 7/1)	—	#2
U 1 B 106	CS75	BLUE	#6 (6/1)	—	#4				
U 1 B 108	CS74	GREEN	—	#8	#6				
—	CS84	GRAY	—	2/0	—	YELLOW	1/0 (6/1)	1/0	—
—	CS85					GRAY	—	2/0	—

## Service Entrance Splices

For standard conductors.

### Insulated Aluminum Service Entrance Compression Splices — U and ICS 5/8" Die Series (Standard Length, 2<sup>25</sup>/<sub>32</sub>" Long)

- Constructed from aluminum for high conductivity
- Solid center barriers and large chamfers for easy cable insertion
- Tough stabilized nylon sleeves resist installing-tool pressure and provide reliable 600V insulation
- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- All splices are color coded and marked with strip lengths, installation die codes and compression locations, providing easy identification for easy installation
- Splices have colored end caps to make identification easy
- Comply with ANSI C119.4 when properly installed on aluminum-to-aluminum or aluminum-to-copper conductors
- RUS Accepted



URR 22



ICS73-1

U SERIES CAT. NO.	ICS SERIES CAT. NO.	CONDUCTOR A						CONDUCTOR B					
		COLOR	ACSR	STR.	SOL.	DIAMETER (IN.)		COLOR	ACSR	STR.	SOL.	DIAMETER (IN.)	
						MAX.	MIN.					MAX.	MIN.
UGBR 81	—	GREEN	—	#8	#6	.162	.144	BROWN	—	#10	#8	.128	.114
UGG 88	ICS61-1							GREEN	—	#8	#6	.162	.144
UBBR 61	ICS62-1	BLUE	#6	#6	#4	.204	.184	BROWN	—	#10	#8	.128	.114
UBG 68	ICS63-1							GREEN	—	#8	#6	.162	.144
UBB 66	ICS64-1	ORANGE	#4	#4	#2	.258	.213	BLUE	#6	#6	#4	.204	.184
UOBR 41	ICS65-1							BROWN	—	#10	#8	.128	.114
UOG 48	ICS66-1	ORANGE	#4	#4	#2	.258	.213	GREEN	—	#8	#6	.162	.144
UOB 46	ICS67-1							BLUE	#6	#6	#4	.204	.184
UOO 44	ICS68-1	RED	#2	#1 & #2	—	.328	.268	ORANGE	#4	#4	#2	.258	.213
URBR 21	—							BROWN	—	#10	#8	.128	.114
URG 28	ICS70-1	RED	#2	#1 & #2	—	.328	.268	GREEN	—	#8	#6	.162	.144
URB 26	ICS71-1							BLUE	#6	#6	#4	.204	.184
URO 24	ICS72-2	YELLOW	1/0	1/0	—	.398	.368	ORANGE	#4	#4	#2	.258	.213
URR 22	ICS73-1							RED	#2	#1 & #2	—	.328	.268
UYG 08	ICS74-1	YELLOW	1/0	1/0	—	.398	.368	GREEN	—	#8	#6	.162	.144
UYB 06	ICS75-1							BLUE	#6	#6	#4	.204	.184
UYO 04	ICS76-1	YELLOW	1/0	1/0	—	.398	.368	ORANGE	#4	#4	#2	.258	.213
UYR 02	ICS77-1							RED	#2	#1 & #2	—	.328	.268
UYU 00	ICS78-1	YELLOW	1/0	1/0	—	.398	.368						

## Service Entrance Splices

For standard conductors.

### Insulated Aluminum Service Entrance Compression Splices — U 1 N 5/8" Die Series (Longer Length, 3 1/4" Long)

- Constructed from aluminum for high conductivity
- Solid center barriers and large chamfers for easy cable insertion
- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- All splices are color coded and marked with strip lengths, installation die codes and compression locations, providing easy identification for easy installation
- Comply with ANSI C119.4 when properly installed on aluminum-to-aluminum or aluminum-to-copper conductors
- RUS Accepted



U 1 N 106

CAT. NO.	CONDUCTOR A				CONDUCTOR B			
	COLOR	SOL.	STR.	ACSR	COLOR	SOL.	STR.	ACSR
U 1 N 16	BROWN	#8	#10	—	GREEN	#6	#8	—
U 1 N 11					BROWN	#8	#10	—
U 1 N 12					RED	#1	#2	#2-6/1, 7/1
U 1 N 88	GREEN	#6	#8	—	GREEN	#6	#8	—
U 1 N 81					BROWN	#8	#10	—
U 1 N 66	BLUE	#4	—	#6-6/1	BLUE	#4	—	#6-6/1
U 1 N 68					GREEN	#6	#8	—
U 1 N 61					BROWN	#8	#10	—
U 1 N 44	ORANGE	#2	—	#4-6/1, 7/1	ORANGE	#2	—	#4-6/1, 7/1
U 1 N 46					BLUE	#4	—	#6-6/1
U 1 N 48					GREEN	#6	#8	—
U 1 N 41	RED	#1	#1 & #2	#2-6/1, 7/1	BROWN	#8	#10	—
U 1 N 22					RED	#1	#1 & #2	#2-6/1, 7/1
U 1 N 24					ORANGE	#2	#3 & #4	#4-6/1, 7/1
U 1 N 26	YELLOW	#1	1/0	1/0-6/1	BLUE	#4	#5 & #6	#6-6/1
U 1 N 28					GREEN	#6	#8	—
U 1 N 21					BROWN	#8	#10	—
U 1 N 1010	YELLOW	#1	1/0	1/0-6/1	YELLOW	—	1/0	1/0-6/1
U 1 N 102					RED	#1	#1 & #2	#2-6/1
U 1 N 104					ORANGE	#2	—	#4-6/1
U 1 N 106					BLUE	#4	—	#6-6/1
U 1 N 108	GREEN	#6	#8	—				

## Service Entrance Splices

For compact conductors.

### Insulated Aluminum Service Entrance Compression Splices — U 5/8" Die Series (Longer Length — 3 1/4" Long)

- Constructed from aluminum for high conductivity
- Solid center barriers and large chamfers for easy cable insertion
- Tough stabilized-nylon sleeves resist installing-tool pressure and provide reliable 600V insulation
- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- All splices are color coded and marked with strip lengths, installation die codes and compression locations, providing easy identification for easy installation
- Comply with ANSI C119.4 when properly installed on aluminum-to-aluminum or aluminum-to-copper conductors
- RUS Accepted



CAT. NO.	CONDUCTOR A				CONDUCTOR B				
	COLOR	STR.	COMPT.	COMP.	COLOR	STR.	COMPT.	SOL.	COMP.
U 61 BBR					BROWN	#10	—	#8	—
U 68 BG	BLUE	#6	#6	#6	GREEN	#8	#8	—	#8
U 66 BB					BLUE	#6	#6	—	#6
U 41 OBR					BROWN	#10	—	#8	—
U 48 OG					GREEN	#8	#8	—	#8
U 46 OB	ORANGE	#4	#4	#4	BLUE	#6	#6	—	#6
U 44 OO					ORANGE	#4	#4	—	#4
U 21 RBR					BROWN	#10	—	#8	—
U 28 RG					GREEN	#8	#8	—	#8
U 26 RB	RED	#2	#2	#2	BLUE	#6	#6	—	#6
U 24 RO					ORANGE	#4	#4	—	#4
U 22 RR					RED	#2	#2	—	#2
U 101 YBR					BROWN	#10	—	#8	—
U 108 YG					GREEN	#8	#8	—	#8
U 106 YB					BLUE	#6	#6	—	#6
U 104 YO	YELLOW	1/0	1/0	1/0	ORANGE	#4	#4	—	#4
U 102 YR					RED	#2	#2	—	#2
U 1010 YY					YELLOW	1/0	1/0	—	1/0

Note: Sold in standard carton quantities only.

## Service Entrance Splices

At 5½" long, these splices are ideal for heavy-duty overhead services.

### Insulated Aluminum Service Entrance Compression Splices — 840 Die Series

- Constructed from aluminum for high conductivity
- Solid center barriers and large chamfers for easy cable insertion
- Tough stabilized-nylon sleeves resist installing-tool pressure and provide reliable 600V insulation
- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- All splices are color coded and marked with strip lengths, installation die codes and compression locations, providing easy identification for easy installation
- Comply with ANSI C119.4 when properly installed on aluminum-to-aluminum or aluminum-to-copper conductors
- RUS Accepted



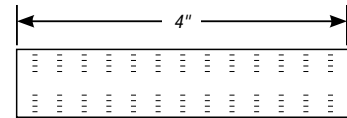
X 1 N SERIES CAT. NO.	IKL SERIES CAT. NO.	CONDUCTOR A					CONDUCTOR B				
		COLOR	ACSR	STR.	COMPR.	COMPT.	COLOR	ACSR	STR.	COMPR.	COMPT.
X 1 N 104	IKL34	YELLOW	1/0	1/0	1/0	2/0	ORANGE	#4	#4	#4	—
X 1 N 102	IKL35						RED	#2	#1	#1	1/0
X 1 N 1010	IKL36	GRAY	2/0	2/0	2/0	3/0	YELLOW	1/0	1/0	1/0	2/0
X 1 N 204	IKL44						ORANGE	#4	—	—	—
X 1 N 202	IKL45	BLACK	3/0	3/0	3/0	4/0	RED	#2	#1	#1	1/0
X 1 N 2010	IKL46						YELLOW	1/0	1/0	1/0	2/0
X 1 N 2020	IKL47	PINK	4/0	4/0	4/0	250	GRAY	2/0	2/0	2/0	3/0
X 1 N 304	IKL54						ORANGE	#4	—	—	—
X 1 N 302	IKL55	PINK	4/0	4/0	4/0	250	RED	#2	#1	#1	1/0
X 1 N 3010	IKL56						YELLOW	1/0	1/0	1/0	2/0
X 1 N 3020	IKL57	PINK	4/0	4/0	4/0	250	GRAY	2/0	2/0	2/0	3/0
X 1 N 3030	IKL58						BLACK	3/0	3/0	3/0	4/0
X 1 N 404	IKL64	PINK	4/0	4/0	4/0	250	ORANGE	#4	—	—	—
X 1 N 402	IKL65						RED	#2	#1	#1	1/0
X 1 N 4010	IKL66	PINK	4/0	4/0	4/0	250	YELLOW	1/0	1/0	1/0	2/0
X 1 N 4020	IKL67						GRAY	2/0	2/0	2/0	3/0
X 1 N 4030	IKL68	PINK	4/0	4/0	4/0	250	BLACK	3/0	3/0	3/0	4/0
X 1 N 4040	IKL69						PINK	4/0	4/0	4/0	250

## Service Entrance Splices

Ideal for large residential and commercial service drops.

### Uninsulated Aluminum Service Entrance Compression Splices — 840 Die Series

- Constructed from aluminum for high conductivity
- Solid center barriers enable quick wire positioning, proper distribution of inhibitor around the wire and current equalization on stranded conductors
- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- Splices marked with strip lengths, die codes and compression locations, providing easy identification for easy installation
- Comply with ANSI C119.4 when properly installed on aluminum-to-aluminum or aluminum-to-copper conductors; also tested and approved for EEI installing dies
- RUS Accepted



X 1 U 2020

CAT. NO.	CONDUCTOR A					CONDUCTOR B				
	COLOR	SOLID				COLOR	SOLID			
		AL	CU	STRANDED	ASCR		AL	CU	STRANDED	ASCR
X 1 U 44	ORANGE	#2	#2	—	#4	ORANGE	#2	#2	—	#4
X 1 U 24	RED	#1	#1	#1 & #2	#2	ORANGE	#2	#2	—	#4
X 1 U 22						RED	#1	#1	#1 & #2	#2
X 1 U 104	YELLOW	1/0, 2/0	—	1/0	1/0	ORANGE	#2	#2	—	#4
X 1 U102						RED	#1	#1	#1 & #2	#2
X 1 U 1010	GRAY	3/0	—	2/0	2/0	YELLOW	1/0 & 2/0	—	1/0	1/0
X 1 U 204						ORANGE	#2	#2	—	#4
X 1 U 202	BLACK	4/0	—	3/0	3/0	RED	#1	#1	#1 & #2	#2
X 1 U 2010						YELLOW	1/0 & 2/0	—	1/0	1/0
X 1 U 2020	PINK	—	—	4/0	4/0	GRAY	3/0	—	2/0	2/0
X 1 U 304						ORANGE	#2	#2	—	#4
X 1 U 302	PINK	—	—	4/0	4/0	RED	#1	#1	#1 & #2	#2
X 1 U 3010						YELLOW	1/0 & 2/0	—	1/0	1/0
X 1 U 3020	PINK	—	—	4/0	4/0	GRAY	3/0	—	2/0	2/0
X 1 U 3030						BLACK	4/0	—	3/0	3/0
X 1 U 404	PINK	—	—	4/0	4/0	ORANGE	#2	#2	—	#4
X 1 U 402						RED	#1	#1	#1 & #2	#2
X 1 U 4010	PINK	—	—	4/0	4/0	YELLOW	1/0 & 2/0	—	1/0	1/0
X 1 U 4020						GRAY	3/0	—	2/0	2/0
X 1 U 4030	PINK	—	—	4/0	4/0	BLACK	4/0	—	3/0	3/0
X 1 U 4040						PINK	—	—	4/0	4/0

Note: When using EEI 11A die, space compressions 1/8" apart.

When installing with UT 5 tool, use H5 (upper) and H6 (lower) dies. When installing with a hydraulic tool, use 76 (2) die.

Continued on the following page.

## Service Entrance Splices and Connectors

### Uninsulated Aluminum Service Entrance Compression Splices — 840 Die Series (continued)

CAT. NO.	CONDUCTOR A					CONDUCTOR B				
	COLOR	SOLID				COLOR	SOLID			
		AL	CU	STRANDED	ASCR		AL	CU	STRANDED	ASCR
X 1 U 266	BLUE	350	—	250-266.8	266.8	BLUE	350	—	250-266.8	266.8
X 1 U 2664						ORANGE	#2	#2	#3 & #4	#4
X 1 U 2662						RED	#1	#1	#1 & #2	#2
X 1 U 26610						YELLOW	1/0 & 2/0	—	1/0	1/0
X 1 U 26620						GRAY	3/0	—	2/0	2/0
X 1 U 26630						BLACK	4/0	—	3/0	3/0
X 1 U 26640						PINK	—	—	4/0	4/0
X 1 U 336	BROWN	397.5-400	—	300-350	336.4 (18/1)	BROWN	397.5-400	—	300-350	336.4 (18/1)
X 1 U 3364						ORANGE	#2	#2	#3 & #4	#4
X 1 U 3362						RED	#1	#1	#1 & #2	#2
X 1 U 33610						YELLOW	1/0 & 2/0	—	1/0	1/0
X 1 U 33620						GRAY	3/0	—	2/0	2/0
X 1 U 33630						BLACK	4/0	—	3/0	3/0
X 1 U 33640						PINK	—	—	4/0	4/0
X 1 U 33626						BLUE	350	—	250-266.8	266.8

Long-lasting connectors with bodies and screws made of high-strength copper alloy.

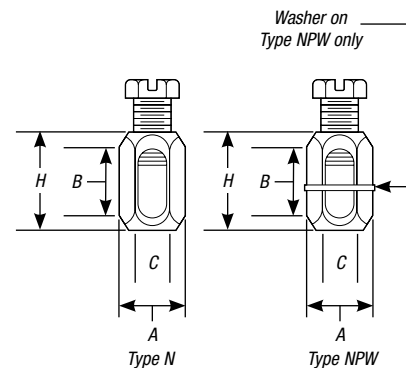
### N and NPW Service Entrance Connectors

- Both types have a slotted hex-head screw for strong, tight connections
- Type NPW is tin plated to resist corrosion
- Type NPW has a tin-plated phosphor bronze washer to protect the conductor and evenly distribute pressure
- Type NPW is dual-rated for use on ACSR and copper conductors



6N

CAT. NO.	CONDUCTOR RANGE (AWG)				DIMENSIONS				BOLT HEAD
	ACSR		COPPER		A	B	C	D	
	MAX.	MIN.	MAX.	MIN.					
10N	—	—	#10 str.	#14 sol.	3/8	.337	.156	.562	5/32
6N	#8	#8	#6 str.	#10 sol.	7/16	.415	.191	.656	5/16
4N	#6	#8	#4 str.	#6 sol.	1/2	.515	.243	.775	3/8
—	#4	#8	#2 str.	#6 sol.	2 1/32	.643	.304	.97	1/8
10NPW	—	—	#10 str.	#14 sol.	3/8	.337	.156	.562	5/32
6NPW	#8	#8	#6 str.	#10 sol.	7/16	.415	.191	.656	5/16
4NPW	#6	#8	#4 str.	#6 sol.	1/2	.515	.243	.775	3/8
2NPW	#4	#8	#2 str.	#6 sol.	2 1/32	.643	.304	.97	1/8

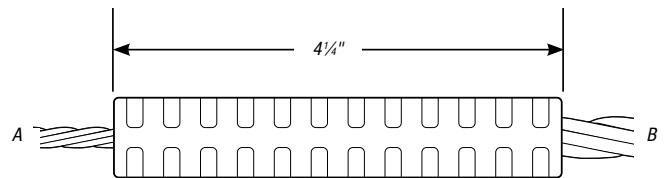
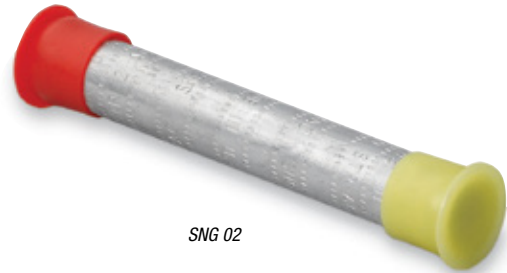


## Full- and Semi-Tension Compression Splices

Aluminum construction provides high conductivity.

### Aluminum Semi-Tension Neutral Compression Splices — Common Die Series

- Solid center stops ease cable insertion
- Prefilled with oxide inhibitor and topped with color-coded caps to prevent oxidation and keep out moisture
- All splices marked with installation die codes and compression locations, providing easy identification for easy installation
- Designed to develop 40% of the conductor's rated strength
- Meets or exceeds ANSI C119.4 specifications



#### Aluminum Semi-Tension Neutral Compression Splices

CAT. NO.	CONDUCTOR A		CONDUCTOR B		INSTALLING DIES
	ACSR	STR.	ACSR	STR.	
SNG 66	#6	#6	#6	#6	TU, 52, 5, BG, 243, 8A
SNG 44	#4	#4	#4	#4	
SNG 22	#2	#2	#2	#2	
SNG 00	1/0	1/0	1/0	1/0	
SNG 46	#4	#4	#6	#6	
SNG 24	#2	#2	#4	#4	
SNG 02	1/0	1/0	#2	#2	
SNG 26	#2	#2	#6	#6	
SNG 11	#1	#1	#1	#1	

*Note:* For tin-plating option, add "-TN" suffix to the catalog number.

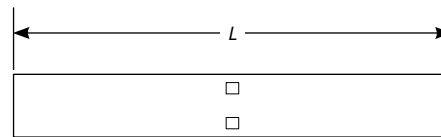


## Full- and Semi-Tension Compression Splices

Designed to develop 25% of the conductor's rated strength.

### Aluminum Loop Compression Splices

- Versatile compression splices for ACSR, ACAR, AAAC 5005 and AAC conductors
- Constructed from aluminum for high conductivity
- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- All splices marked with wire size, installation die codes and compression locations, providing easy identification for easy installation
- Meets or exceeds ANSI C119.4 specifications



#### Aluminum Loop Compression Splices

CAT. NO.	WIRE SIZE		LENGTH (IN.)	EEI* DIE CODE	INSTALLING TOOLS AND DIES (COMPRESSION PER END)	
	ACSR, ACAR†, 5005†, AAAC	AAC			DIES — UT5 TYPE	DIES — HYDRAULIC
SNG 00	1/0 (6/1)	1/0	4¼	8A	TU	243, 52, ½, BG
Z 1 A 10	2/0 (6/1)	2/0	6¾	—	TZ (6)	58, 60, 245, 9A
Z 1 A 51	—	3/0	4¼	10A	TZ (4)	
866*	3/0 (6/1)	3/0	6¾	10A	TV (9)	249, 76 (3), 76H (6), 840
867*	4/0 (6/1)	4/0–250	6¾	11A	TX (9)	
869	266.8	266–300	7½	11A	TH (6)	87 (3), 87H (6)
H 1 A 33	336.4 (18/1)	336–350	6¾	11A		
872*	336.4	336.4–350	7½	13A	—	96 (3), 96H (6), 472, 655
874*	397.5	397.5–477	7½	14A		106 (3), 106A (6), 719, 327
876*	477	500–556.6	7½	15A		115 (3), 115H (6), 318
879	556.5	600–700	9¾	—		125 (3), 125H (6), 1¼, 608
883	605–666.6	715.5–800	12¾	—		140 (4), 140H (8)
892	715.5–874.5	874.5–1000	12¾	—	150 (4), 150H (8), 725, 352, 319, 292	

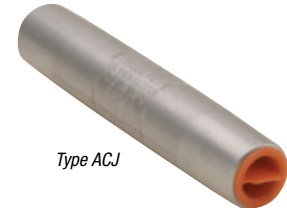
\* When using EEI dies, space compressions ¼" apart.

† Select diameter equivalent to ACSR.

## Full- and Semi-Tension Compression Splices

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

### Type ACJ and RCJ Aluminum Partial-Tension Jumper Sleeves

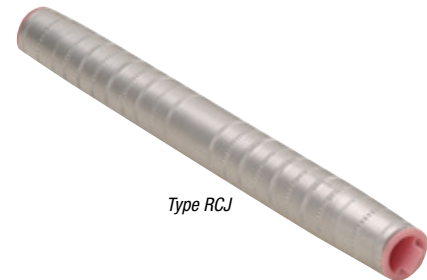


Type ACJ

#### Type ACJ — Aluminum Jumper Sleeves for All Aluminum Conductors

CAT. NO.	WIRE SIZE (STRANDING)	LENGTH (IN.)	INSTALLING DIES*
ACJ20	2/0 (7, 19)	4¾	BY33, C-167, W-247, 737, B39EA, 247, 747
ACJ205	2/0 (7, 19)	4¾	BY41, W-245, 635, B30EA, 245, ¾-1, 635
ACJ40	4/0 (7, 19)	4¾	BY37, W-249, 840, B49EA, 249
ACJ266	266.8 (7, 19)	5¾	B75AH, 251, 1½
ACJ336	336.4 (19, 37)	5¾	B80EA, 321, 1½-1
ACJ350	350 (19)	6¾	B80EA, 490, 547, 1½-1
ACJ397	397.5 (19)	6¾	B80EA, 468, 1½-1
ACJ477	477, 500 (19, 37)	9½	B80EA, 317, 426, 1½-1
ACJ556	556.5 (19, 37)	9	B76AH, 318, 1½-1

\*OD58 dies are interchangeable with those listed for 0-52.



Type RCJ

#### Type RCJ — Aluminum Jumper Sleeves for ACSR, AAAC, 5005, AAC Conductors

CAT. NO.	WIRE SIZE (STRANDING)	LENGTH (IN.)	INSTALLING DIES*
RCJ10‡	1/0 ACSR (7) 1/0 AAAC (7) 1/0 5005 (7) 1/0 AAC (7)	6½	737, 747, W-C, W-702, B39EA, 167, 247
RCJ20‡	2/0 ACSR (7) 2/0 AAAC (7) 2/0 5005 (7) 2/0 AAC (7)	6¾	781, B74AH, 659, ¾
RCJ30‡	3/0 ACSR (7) 3/0 AAAC (7) 3/0 5005 (7) 3/0 AAC (7)	6¾	B49EA, 658, ¾ <sub>32</sub>
RCJ40BB‡	4/0 ACSR (7) 4/0 AAAC (7) 4/0 5005 (7) 4/0 AAC (7)	6¾	B61EA, 654, 1
RCJ266‡	266.8 ACSR (19)	7	B80EA, 655, 1½-1
RCJ336‡	336.4 ACSR (19)	7	B80EA, 655, 1½-1
RCJ397	397.5 ACSR (19) 336.4(26-7) 336.4(30-7)	7¼	B20AH, 327, 1½-1
RCJ477	477 ACSR (19)	8¾	B20AH, 318, ¾ <sub>16</sub>
RCJ477M	477 ACSR (19)	9	B76AH, 318, 1½

\* OD58 dies are interchangeable with those listed for 0-52.

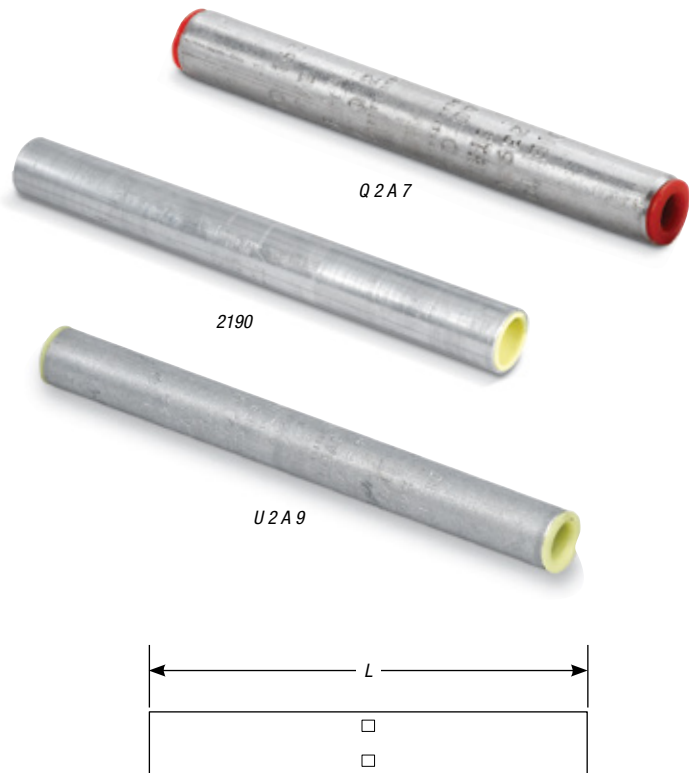
‡ RUS Listed.

## Full- and Semi-Tension Compression Splices

Seamless aluminum tubing provides high conductivity.

### Aluminum Full-Tension Compression Splices for Aluminum Conductors

- Sleeves have an internal taper that acts as a funnel-like entrance for easy insertion of conductors and provides stress relief on the conductor strands upon compression
- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- All splices marked with conductor size and die references, providing easy identification for easy installation
- Designed to develop 95% or more of the conductor's rated strength
- Meets or exceeds ANSI C119.4 specifications



#### Aluminum Full-Tension Compression Splices

CAT. NO.	WIRE SIZE	LENGTH (IN.)	INSTALLING DIES
SNG44	#4 str.	4¼	243, TU, 52, 518, 8A, BG
Q 2 A 7	#2 str.	4½	TQ, 163, 239, ½, 6A
U 2 A 9	1/0	6¼	TU, 52, 243, ⅜, CSA 22, 8A
W 2 A 20	2/0 str.	6½	TW-TY, 245, 635, 9A
Z 2 A 10	2/0 str.	6½	166
Z 2 A 51	3/0 str.	6½	166
2169	3/0 str.	8¼	TV, 66, 694, 702, 781, 10A
2170	4/0-250 str.	8¼	TX, 76, 249, 840, 11A
2174	266-300 str.	10¾	87
2176	336.4-350 str.	10	96H, 655, 1⅝-1, 321, 13A
2178	397.5-400 str.	10	96H, 655, 1⅝-1, 13A
2182	450-477 str.	13	106, 14A, 1⅝
2183	556.5 str.	10¾	115H, 318, 1⅝, 15A
2186	636 str.	13¾	125
2187	750-795 str.	13¾	140
2188	795 str.	13¾	140, 1½
2190	874.5-1000 str.	13¾	150

**Note:** For wire sizes over 1000 kcmil, please consult your Thomas & Betts representative.

## Full- and Semi-Tension Compression Splices

Center stop assures proper conductor positioning.

### Type AC Aluminum Single-Sleeve, Full-Tension Splices for All-Aluminum Conductor

- 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

#### Type AC — Single-Sleeve, Full-Tension Splices for All Aluminum Conductors

CAT. NO.	WIRE SIZE (STRANDING)	L (IN.)	INSTALLING DIES*
AC6-TB	6 (7)	3	BY19, W-161, 5/16, B73SH, 161
AC4-BB	4 (7)	3	BY21, W-162, 3/8, B71AH, 162, 13/8
AC2-TB	2 (7)	4 1/2	BY23, W-163, 1/2, B17EA, 163, 2 1/2, 510
AC10-TB	1/0 (7, 19)	7 1/4	BY31, BGW-243, W-687, 3/4-1, B24EA, 243, 3/4-1, 635
AC20	2/0 (7, 19)	9 1/4	BY33, C-167, W-247, 737, B39EA, 247, 747
AC205	2/0 (7, 19)	9 1/4	BY41, W-245, 635, B30EA, 245
AC30	3/0 (7, 19)	8	BY35, W-247, 781, B74AH, 247
AC40	4/0 (7, 19)	9 1/2	BY37, W-249, 840, B49EA, 249, 840
AC266	266.8 (7, 19)	8 3/8	B75AH, 251, 1.00
AC336	336.4 (19, 37)	10	B80EA, 321, 1 1/8-1
AC350	350 (19)	11	B80EA, 490, 547, 1 1/8-1
AC397	397.5 (19)	12 1/8	B80EA, 468, 1 1/8-1
AC477	477 (19, 37)	13 1/2	B80EA, 317, 426, 1 1/8-1
AC556	556 (19, 37)	13 1/2	B76AH, 318, 1 5/16

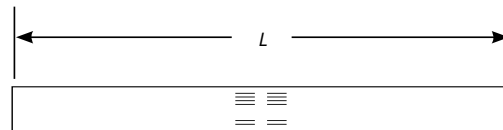
\* OD58 dies are interchangeable with those listed for 0-52.

## Full- and Semi- Tension Compression Splices

Simplify hot-line distribution construction and eliminate the separate splicing of ACSR core wires.

### Aluminum Full-Tension Compression Splices for ACSR and Aluminum-Alloy Conductors

- Constructed from seamless aluminum tubing for high conductivity
- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- Sleeves have an internal taper that acts as a funnel-like entrance for easy insertion of conductors and provides stress relief on the conductor strands upon compression
- Solid barriers in the center of the sleeves ensure all-around distribution and penetration of the oxide inhibitor to all strands
- All splices marked with conductor size and die references, providing easy identification for easy installation
- Designed to develop 95% or more of the conductor's rated strength
- Meets or exceeds ANSI C119.4 specifications



#### Aluminum Full-Tension Compression Splices

CAT. NO.	WIRE SIZE	L (IN.)	INSTALLING DIES
BS 66	#6 AAC, #6 ACSR (6/1)	6 <sup>5</sup> / <sub>16</sub>	TB, 239, 1/2
BS 46	#4 AAC, #4 ACSR (6/1), #4 AAAC	9 <sup>7</sup> / <sub>16</sub>	TB, 239, 1/2
BS 467	#4 AAC, #4 ACSR (6/1), #4 ACSR (7/1), #4 AAAC	10 <sup>3</sup> / <sub>16</sub>	TB, 239, 1/2
DS 26	#2 AAC, #2 ACSR (6/1)	12 <sup>1</sup> / <sub>4</sub>	BG, TW-TY
DS 267	#2 AAC, #2 ACSR (6/1), #2 ACSR (7/1), #2 AAAC	11 <sup>1</sup> / <sub>4</sub>	BG, TW-TY
WS 10	1/0 AAC, 1/0 ACSR (6/1), 1/0 AAAC	12 <sup>3</sup> / <sub>8</sub>	TW-TY, 58, 245
RS 10	1/0 AAC, 1/0 ACSR (6/1), 1/0 AAAC	13	167, 247, 702, 737
MS 20	2/0 AAC, 2/0 ACSR (6/1), 2/0 AAAC	17 <sup>3</sup> / <sub>8</sub>	TM, 62, 1 <sup>1</sup> / <sub>16</sub>
16100	3/0 AAC, 3/0 ACSR (6/1), 3/0 AAAC	17 <sup>3</sup> / <sub>8</sub>	76H, 658
16101	4/0 AAC, 4/0 ACSR (6/1), 4/0 AAAC	17 <sup>3</sup> / <sub>8</sub>	87, 654
16104	336.4 (18/1) ACSR	19	96, 655, 1 <sup>1</sup> / <sub>8</sub> -1, 13A
16106	397.5 (18/1) ACSR	28	96
16477	477 (18/1) ACSR	30	115H

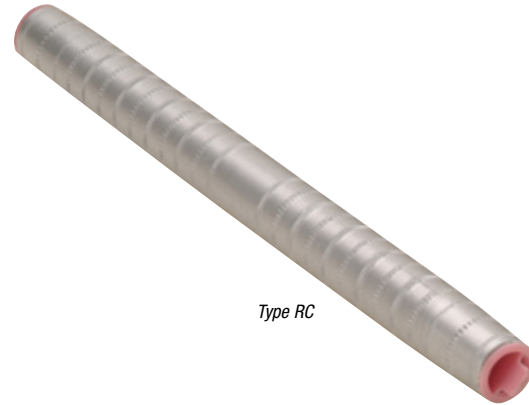
**Note:** For wire sizes over 1000 kcmil, please consult your Thomas & Betts representative.

## Full- and Semi-Tension Compression Splices

Replaces two-piece splices.

### Type RC Aluminum Single-Sleeve Full-Tension Splices for ACSR, AAAC, 5005 and AAC Conductors

- 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
- 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 Splices for ACSR, AAAC, 5005, AAC Conductors

CAT. NO.	WIRE SIZE (STRANDING)	L (IN.)	INSTALLING DIES*
RC4BB‡	4ACSR (6/7), 4AAAC (7), 4 5005 (7), 4AAC (7)	12	½, W-163, B72AH, 163, 510
RC45‡	4ACSR(6/7), 4AAAC (7), 4 5005 (7), 4AAC (7)	12	5/8-1, 635, BG, W-BG, W-243, 5/8-1, B24EA, 243, 687
RC2BB‡	2ACSR(6/7), 2AAAC (7), 2 5005 (7), 2AAC (7)	13 5/8	5/8-1, 635, BG, W-245, B24EA, B30EA, 245, 687
RC25‡	2ACSR (6/7), 2AAAC (7), 2 5005 (7), 2AAC (7)	13 5/8	737, 747, W-C, W-247, W-702, B39EA, 167, 247, 702,
RC10‡	1/0 ACSR(6/4), 1/0 AAAC(7), 1/0 5005(7), 1/0 AAC(7)	15 1/4	737, 747, W-C, W-702, B39EA, 167, 247, 702
RC205‡	2/0 ACSR (6/4)	17	737, 747, W-702, B39EA, 247
RC20‡	2/0 ACSR (6/4), 2/0 AAAC (7), 2/0 5005 (7), 2/0 AAC (7)	16	781, B74AH, 659, ¾
RC30‡	3/0 ACSR (6/4), 3/0 AAA C(7), 3/0 5005 (7), 3/0 AAC (7)	17	B49EA, 658, 29/32
RC40‡	4/0 ACSR (6/4), 4/0 AAAC (7), 4/0 5005 (7), 4/0 AAC (7)	18 1/2	B61EA, 654, 1-2
RC336	336.4 ACSR (19/4)	19 1/4	B80EA, 655, 1 1/8-1, 1 1/8-2
RC397	397.5 ACSR(19/4)	21 1/2	B20AH, 327, 1 1/8-1, 1 1/8-2
RC477	477 ACSR(19/4)	24	B78AH, 788, 1 5/16

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

‡ RUS Listed

## Full- and Semi- Tension Compression Splices

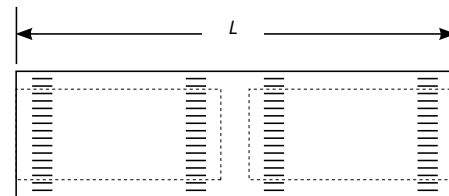
Compression splices for a wide conductor range, no dies needed.

### Aluminum Multi-Range Dieless Compression Splices — Minimum and Partial Tension

- Made from aluminum for high strength and high conductivity
- Solid center stop ensures proper cable insertion
- Dual-rated for use with aluminum and copper conductors
- Connector bores coated with oxide inhibitor and capped to prevent oxidation
- All splices marked with conductor sizes for easy identification



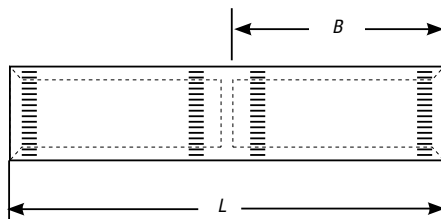
SGAC 500



#### Minimum Tension

CAT. NO.	CONDUCTOR SIZE	DECIMAL RANGE		TOOL	L
		MIN. O.D.	MAX. O.D.		
SGAC 1/0	#10 sol. – 1/0 ACSR	.102	.398	VC-5/VC-6	2
SNG 00	#10 sol. – 1/0 ACSR	.102	.398	VC-5/VC-6	4¼
SGAC 3/0	#8 sol. – 3/0 str.	.128	.470	VC-5/VC-6	3
SGAC 250	#4 sol. – 266.8 – 4/0 ACSR	.204	.593	VC-5/VC-6	4
SGAC 350	2/0 str. – 350 – 336.4 (18/1)	.414	.684	VC-6	5
SGAC 500	4/0 str. – 500 – 477 (18/1)	.522	.814	VC-6	5
SGAC 8650	350 str. – 636 (36/1) 400 copper max.	.681	.940	VC-8	8¾
SGAC 8800	397.5 str. – 795 (36/1) 500 copper max.	.724	1.040	VC-8	10¾

*Note: For tin-plating option, add "-TN" suffix to the catalog number.*



SKAC 500

#### Partial Tension

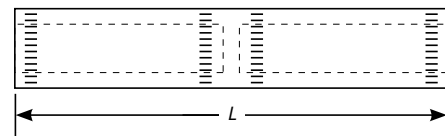
CAT. NO.	CONDUCTOR SIZE	DECIMAL RANGE		TOOL	B (IN.)	L (IN.)
		MIN. O.D.	MAX. O.D.			
SKAC 2/0	#2 str. – 2/0 ACSR	.292	.447	VC-5/VC-6	3/8	6½
SKAC 4/0	1/0 str. – 4/0 ACSR	.368	.563	VC-5/VC-6	3/8	8
SKAC 500	4/0 str. – 477 (18/1) ACSR	.522	.814	VC-6	3/8	8
SKAC 600	300 – 477 (26/7) ACSR	.629	.858	VC-6	5/16	11½
SKAC 700	556.5 – 636 (36/1) ACSR	.858	.930	VC-8	6/16	12¾
SKAC 800	700 – 795 (36/1) ACSR	.964	1.040	VC-8	6/16	12¾

## Full- and Semi-Tension Compression Splices

Aluminum compression splices provide high strength and high conductivity.

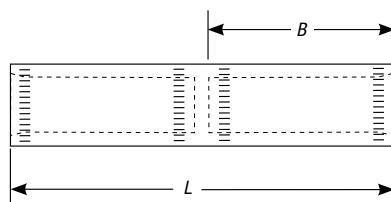
### Aluminum Multi-Range Dieless Compression Splices — Full Tension

- Solid center stop ensures proper cable insertion
- Dual-rated for use with aluminum and copper conductors
- Connector bores coated with oxide inhibitor and capped to prevent oxidation
- All splices marked with conductor size and die references, providing easy identification for easy installation
- Designed to develop 95% or more of the conductor's rated strength
- Meets or exceeds ANSI C119.4 specifications.



#### AAC Series — Full Tension

CAT. NO.	CONDUCTOR SIZE	DECIMAL RANGE		TOOL	L
		MIN. O.D.	MAX. O.D.		
U 2 A 9	#4 str. – 1/0 str. aluminum	.232	.368	VC-5/VC-6	6¼
AAC 4/0 FT	1/0 str. – 4/0 str. aluminum	.368	.522		8
AAC 350 FT	4/0 str. – 350 aluminum – 336.4 (18/1)	.522	.681	VC-6	9½
AAC 500 FT	336.4 str.–500 aluminum	.666	.795		12½



#### ACSR Series — Full Tension

CAT. NO.	CONDUCTOR SIZE	DECIMAL RANGE		TOOL	B (IN.)	L (IN.)
		MIN. O.D.	MAX. O.D.			
U2A9	#4 str.–1/0 str. aluminum	.232	.368	VC-5/VC-6	6¼	14¼
ACSR 2 FT	#4 str. – #2 str. aluminum, #4 (6/1)–#2 (7/1) ACSR, #6 sol.–#4 sol. copper, #6 str.–#2 str. copper	.162	.325		7	14¼
ACSR 1/0 FT	#2 str.–1/0 (6/1) ACSR	.292	.398		8¾	17
ACSR 2/0 FT	#2 str.–2/0 str. aluminum, #2 (6/1)–2/0 (6/1) ACSR, #2 str.–1/0 str. copper	.292	.447	VC-6	9¾	18½
ACSR 4/0 FT	1/0 str. – 4/0 str. aluminum 1/0 (6/1)–4/0 (6/1) ACSR, 1/0 str.–3/0 str. copper	.368	.563		9¾	20
ACSR 397.5 FT	4/0–397.5 str. aluminum, 4/0 (6/1)–397.5 (18/1) ACSR, 3/0 str.–4/0 str. copper	.470	.743		11	23

*Note:* For tin-plating option, add “-TN” suffix to the catalog number.

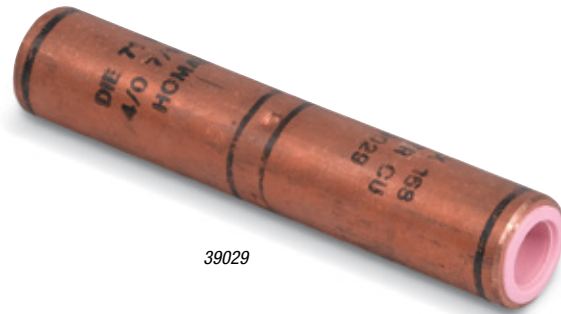


## Full- and Semi-Tension Compression Splices

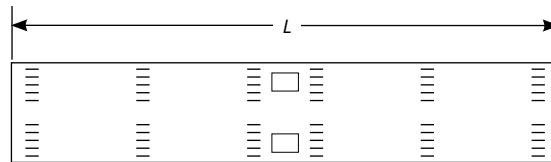
Seamless copper tubing provides high conductivity.

### Copper Loop Compression Splices

- All splices marked with wire size, installation die codes and compression locations, providing easy identification for easy installation
- Designed to develop 25% or more of the conductor's rated strength
- Meets or exceeds ANSI C119.4 specifications



39029



#### Copper Loop Compression Splices

CAT. NO.	WIRE SIZE	L (IN.)	INSTALLING TOOLS AND DIES (COMPRESSIONS PER END)	
			DIES-UT 5 TYPE	DIES-HYDRAULIC
J 1 C 1	#8 sol. & str.	2¼	TJ (2)	161
J 1 C 3	#6 sol. & str.		TJ (2)	161
L 1 C 5	#4 sol. & str.		TLTN (2)	162
Q 1 C 7	#2 sol. & #2 (7) str.	4¼	TQ (2)	—
S 1 C 7	#2 (3) str.		TS (4)	—
S 1 C 51	#1 sol.		TS (4)	—
S 1 C 8	#1 (7-19) str.	4½	TS (4)	—
S 1 C 52	1/0 sol.		TS (4)	—
U 1 C 9	1/0 (7-19) str.		TU (4)	52 (2)
39023	2/0 (7-19) str.	4½	TZ (4)	58 (2)
39026	3/0 (7-19) str.		—	62 (2), 167
39029	4/0 (7-19) str.		—	71 (2), 168

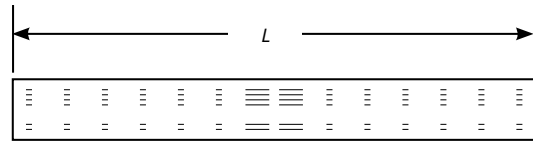
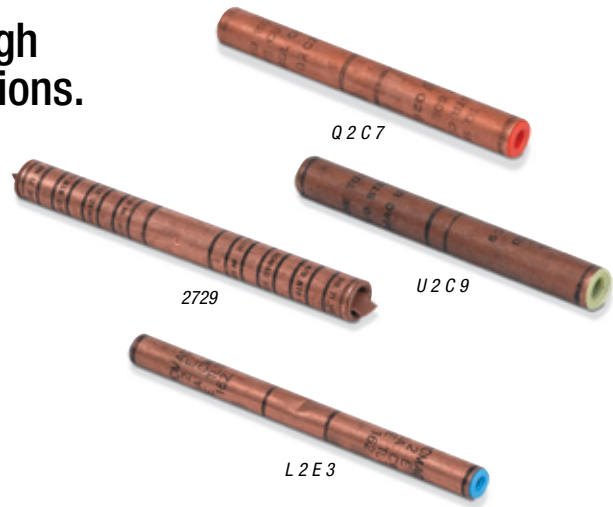
**Note:** For tin-plating option, add "-TN" suffix to the catalog number.

## Full- and Semi-Tension Compression Splices

Seamless copper tubing provides high conductivity for full-tension applications.

### Copper Full-Tension Compression Splices

- All splices marked with wire size, installation die codes and compression locations, providing easy identification for easy installation
- Designed to develop 95% or more of the conductor's rated strength
- Meets or exceeds ANSI C119.4 specifications
- Selected models are RUS Accepted



#### Copper Full-Tension Compression Splices

CAT. NO.	WIRE SIZE	L	INSTALLING DIES
<b>Copper Conductors</b>			
J 2 C 1	#8 sol. & str.	1 <sup>15</sup> / <sub>16</sub>	TJ, 161
J 2 C 3*	#6 sol. & str.	2 <sup>1</sup> / <sub>4</sub>	TJ, 161, J
L 2 C 4	#4 sol.	3 <sup>1</sup> / <sub>4</sub>	TLTN, 162, <sup>3</sup> / <sub>8</sub>
L 2 C 5*	#4 str.	3 <sup>1</sup> / <sub>4</sub>	TLTN, 162, <sup>3</sup> / <sub>8</sub>
Q 2 C 6	#2 sol.	4 <sup>3</sup> / <sub>8</sub>	TQ, <sup>1</sup> / <sub>2</sub> , 163
Q 2 C 7	#2 (7) str.	4 <sup>3</sup> / <sub>8</sub>	TQ, <sup>1</sup> / <sub>2</sub> , 163
S 2 C 7*	#2 (3) str.	4 <sup>1</sup> / <sub>4</sub>	TS, <sup>5</sup> / <sub>16</sub> , 164
S 2 C 52	1/0 str.	4 <sup>1</sup> / <sub>4</sub>	TS, <sup>5</sup> / <sub>16</sub> , 164
U 2 C 9*	1/0 (7-19) str.	5 <sup>1</sup> / <sub>4</sub>	TU
Z 2 C 1	2/0 (7-19) str.	5 <sup>1</sup> / <sub>4</sub>	TZ, 166
2723	2/0 (7-19) str.	6 <sup>1</sup> / <sub>2</sub>	58, 245
2726	3/0 (7-19) str.	6 <sup>1</sup> / <sub>2</sub>	62, 167
2729	4/0 (7-19) str.	8 <sup>3</sup> / <sub>8</sub>	71, 840, 168
<b>Copperweld® Copper Conductors</b>			
L 2 E 1*	8A	5 <sup>3</sup> / <sub>16</sub>	TLTN, 162
L 2 E 3*	6A	5 <sup>3</sup> / <sub>16</sub>	TLTN, 162
<b>CFT Series</b>			
C F T 8 S-J	#8 sol.	2	J161
C F T 6 S-J	#6 sol.	2 <sup>1</sup> / <sub>4</sub>	J161
C F T 4 S-P	#4 sol.	2 <sup>1</sup> / <sub>4</sub>	P162
C F T 2 S-X	#2 sol.	3	X163
C F T 8 J	#8 (7) str.	2 <sup>1</sup> / <sub>4</sub>	J161
C F T 6 J	#6 (7) str.	2 <sup>1</sup> / <sub>4</sub>	J161
C F T 4 P	#4 (7) str.	2 <sup>1</sup> / <sub>4</sub>	P162
C F T 2 X	#4 (7) str.	3	X163

\* RUS Accepted

Note: For tin-plating option, add "-TN" suffix to the catalog number.

## Automatic Splices and Deadends

Make quick, dependable overhead tension splices and speed up installation time.

### ATS Autaset® Automatic Splices

Blackburn® automatic connectors make fast and dependable overhead tension splices that take a bite out of installation time. The 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, which provides an instant, positive and automatic connection.

- Color-coded, funnel-shaped end pieces provide instant visual identification of maximum conductor size and swiftly guide conductor into position for insertion
- Pilot caps envelop cable strands and guide the conductors into the center of the splice
- Die-cast precision-made jaws provide optimum contact area for a greater range of conductor sizes
- Compression spring positions the 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 long-lasting durability
- Color-coded tape enables identification of the minimum conductor size of wide-range connectors — it further eliminates errors and speeds up installations!



Blackburn® Overhead

CAT. NO.	CONDUCTOR RANGE			DECIMAL RANGE	COLOR CODE	OVERALL LENGTH (IN.)
	ACSR	AAAC	AAC			
ATS4-S	#4 $\frac{1}{2}$ , $\frac{3}{4}$	#4	#4	.232–.260	4 – Orange	11.50
ATS4	#4 $\frac{1}{2}$ , $\frac{3}{4}$	#4	#4	.232–.260	4 – Orange	13.75
ATS42	#4 $\frac{1}{2}$ , $\frac{3}{4}$	#4–#2	#4–#2	.232–.332	4 – Orange, 2 – Red	13.75
ATS2	#2 $\frac{1}{2}$ , $\frac{3}{4}$	#2	#2	.292–.332	2 – Red	13.75
ATS10	1/0 $\frac{1}{2}$	1/0	1/0	.368–.410	1/0 – Yellow	16.25
ATS1020	1/0 $\frac{1}{2}$	1/0–2/0	1/0–2/0	.368–.461	1/0 – Yellow, 2/0 – Gray	16.25
ATS20	2/0 $\frac{1}{2}$	2/0	2/0	.414–.461	2/0 – Gray	16.25
ATS30	3/0 $\frac{1}{2}$	3/0	3/0	.461–.522	3/0 – Black	16.25
ATS3040	3/0 $\frac{1}{2}$	3/0–4/0	3/0–4/0	.461–.575	3/0 – Black, 4/0 – Pink	23.50
ATS40	4/0 $\frac{1}{2}$	4/0	4/0	.475–.575	4/0 – Pink	23.50
ATS266336	266 $\frac{1}{2}$ *, 266 $\frac{2}{3}$ /*, 336 $\frac{1}{2}$ *	312.8*	266–336	.586–.684	Green	23.50
ATS397477	336 $\frac{2}{3}$ /*, 397 $\frac{1}{2}$ *, 397 $\frac{2}{3}$ /*, 477 $\frac{1}{2}$ /*	394.5*	397–477	.720–.858	Blue	23.50

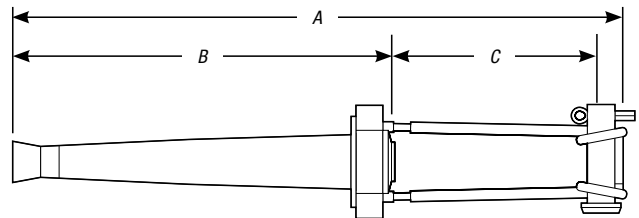
\* Application limited to maximum 10,000 lb. tensile.

## Automatic Splices and Deadends

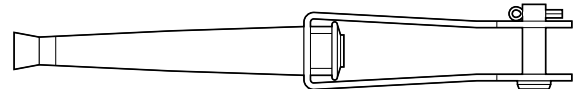
This dead-end installs quickly and easily, reducing maintenance costs and inventory.

### ATD-ZB Stainless Steel Bail

- Color-coded, funnel-shaped end piece provides instant visual identification of maximum conductor size and swiftly guides conductor into position for insertion
- Pilot cap envelops cable strand and guides the conductor into the center of the splice
- Die-cast precision-made jaws provide optimum contact area for a greater range of conductor sizes
- Compression spring positions the jaw for positive conductor acceptance
- Special microcrystalline-based inhibitor coats the jaws and tube's inner diameter, seals the connection and provides a high-pressure lubricant for long-term, continuous performance
- Factory-installed dust covers repel dirt and debris
- Versatile for deadending ACSR, AAC and AAAC conductors
- Breaking strength exceeds 95% of conductor's rated strength, up to a maximum of 10,000 lbs.
- Galvanized steel clevis pin and stainless steel cotter pin (included) enable the bail to be used with standard deadend suspension insulators
- Color-coded tape enables identification of the minimum conductor size of wide-range connectors — it further eliminates errors and speeds up installations



Type ZB



### ATD-ZB Stainless Steel Bail

CAT. NO.	CONDUCTOR RANGE			DECIMAL RANGE	COLOR CODE	APPROXIMATE DIMENSIONS (IN.)		
	ACSR	AAAC	AAC			A	B	C
ATD42ZB	#4 $\frac{1}{2}$ , $\frac{3}{4}$ ; #2 $\frac{1}{2}$ , $\frac{3}{4}$	#4, #2	#4, #2	.232–.332	4 – Orange, 2 – Red	12 $\frac{3}{16}$	7 $\frac{1}{16}$	5 $\frac{1}{16}$
ATD1020ZB	1/0 $\frac{1}{2}$ , 2/0 $\frac{1}{2}$	1/0, 2/0	1/0, 2/0	.368–.461	1/0 – Yellow, 2/0 – Gray	14 $\frac{1}{2}$	9	4 $\frac{1}{16}$
ATD3040ZB	3/0 $\frac{1}{2}$ , 4/0 $\frac{1}{2}$	3/0, 4/0	3/0, 4/0	.461–.575	3/0 – Black, 4/0 – Pink	20 $\frac{3}{4}$	11 $\frac{3}{4}$	8 $\frac{1}{2}$
ATD266336ZB	266 $\frac{1}{2}$ , 336 $\frac{1}{2}$	266, 336	266, 336	.586–.684	Green	20 $\frac{3}{4}$	11 $\frac{3}{4}$	8 $\frac{1}{2}$
ATD397477ZB	397 $\frac{1}{2}$ , 477 $\frac{1}{2}$	397, 477	397, 477	.720–.858	Blue	20 $\frac{3}{4}$	11 $\frac{3}{4}$	8 $\frac{1}{2}$

## Automatic Splices and Deadends

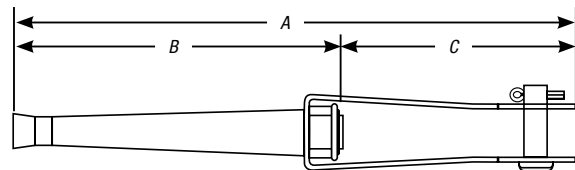
Grab and go — slots are provided for use with standard pulling hooks.

### ATD-CB Clevis Bracket

- Versatile for dead-ending ACSR, AAC and AAAC conductors
- Breaking strength exceeds 95% of conductor's rated strength, up to a maximum of 10,000 lbs.
- Galvanized steel clevis pin and stainless steel cotter pin (included) enable the bail to be used with standard deadend suspension insulators



ATD42CB



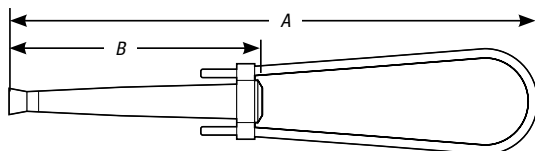
#### ATD-CB Clevis Bracket

CAT. NO.	CONDUCTOR RANGE			DECIMAL RANGE	COLOR CODE	APPROXIMATE DIMENSIONS (IN.)		
	ACSR	AAAC	AAC			A	B	C
ATD42CB	#4 $\frac{1}{2}$ , 7/8; #2 $\frac{1}{2}$ , 7/8	#4, #2	#4, #2	.232-.332	4 - Orange, 2 - Red	12 $\frac{1}{16}$	7 $\frac{1}{16}$	5 $\frac{1}{16}$
ATD1020CB	1/0 $\frac{1}{2}$ , 2/0 $\frac{1}{2}$	1/0, 2/0	1/0, 2/0	.368-.461	1/0 - Yellow, 2/0 - Gray	15 $\frac{1}{4}$	9	5 $\frac{3}{8}$
ATD3040CB	3/0 $\frac{1}{2}$ , 4/0 $\frac{1}{2}$	3/0, 4/0	3/0, 4/0	.461-.575	3/0 - Black, 4/0 - Pink	20 $\frac{3}{4}$	11 $\frac{3}{4}$	6 $\frac{1}{2}$
ATD266336CB	266 $\frac{1}{2}$ , 336 $\frac{1}{2}$	266, 336	266, 336	.586-.684	Green	19 $\frac{9}{16}$	11 $\frac{3}{4}$	6 $\frac{1}{2}$
ATD397477CB	397 $\frac{1}{2}$ , 477 $\frac{1}{2}$	397, 477	397, 477	.720-.858	Blue	19 $\frac{9}{16}$	11 $\frac{3}{4}$	6 $\frac{1}{2}$

Use with spool-type and other insulators when flexibility is a must.

### ATD-FB Flexible Bail

- Versatile for dead-ending ACSR, AAC and AAAC conductors
- Breaking strength exceeds 95% of conductor's rated strength



ATD42FB

#### ATD-FB Flexible Bail

CAT. NO.	CONDUCTOR RANGE			DECIMAL RANGE	COLOR CODE	APPROXIMATE DIMENSIONS (IN.)	
	ACSR	AAAC	AAC			A	B
ATD42FB	#4 $\frac{1}{2}$ , 7/8; #2 $\frac{1}{2}$ , 7/8	#4, #2	#4, #2	.232-.332	4 - Orange, 2 - Red	14 $\frac{3}{16}$	7 $\frac{3}{16}$
ATD1020FB	1/0 $\frac{1}{2}$ , 2/0 $\frac{1}{2}$	1/0, 2/0	1/0, 2/0	.368-.461	1/0 - Yellow, 2/0 - Gray	18 $\frac{3}{8}$	9

## Hot-Line Clamps

Hot-line clamps built for all seasons.

### HLC™ Hot-Line Clamps (Protected Thread)

- Eyebolt coated with grease to ensure easy turning in all weather conditions
- Built for general/copper applications and available for a wide conductor range



CAT. NO.	BODY	FOR WIRE COMBINATION	CONDUCTOR RANGE			
			MAIN		TAP	
			ACSR	AWG OR KCMIL	ACSR.	AWG
HLC2108*	Bronze	Copper to Copper	—	2/0-#8	—	2/0
HLC2108P	Plated Bronze	General Purpose	2/0-#6	2/0-#8	2/0-#6	2/0-#8
HLC2108AP9	Plated Aluminum	General Purpose	2/0-#6	2/0-#8	2/0-#6	2/0-#8
HLC3974	Bronze	Copper to Copper	—	400-#6 sol.	—	4/0-#6 sol.
HLC3974P	Plated Bronze	General Purpose	—	400-#6 sol.	3/0-#6	4/0-#6 sol.
HLC3974AP	Plated Aluminum	General Purpose	397.5-#6	400-#6 sol.	3/0-#6	4/0-#6 sol.

\* RUS Accepted.

Note: For oxide-inhibitor option, add "-9" suffix to the catalog number.

Reliable performance for years to come.

### PGH™ Center-Bolt Parallel-Groove Hot-Tap Clamps

- Tight, secure fittings to positively secure main and tap wires
- Catalog numbers ending with 9 are prefilled with oxide inhibitor to prevent oxidation and keep out moisture

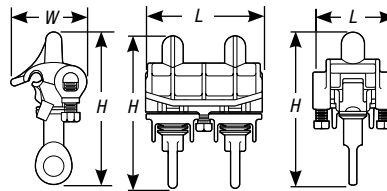


Fig. 1

Fig. 2

Fig. 3



STD. CAT. NO.	PREFILLED CAT. NO.	CONDUCTOR RANGE				CONDUCTOR DIAMETER (IN.)				CENTER BOLTS			DIMENSIONS (IN.)		
		MAIN		TAP		MAIN		TAP		NO.	DIA.	FIG.	W	H	L
		ACSR	AWG OR KCMIL	ACSR	AWG	MAX.	MIN.	MAX.	MIN.						
—	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	450-#4 sol.	3/0-#6	4/0 str.-#6 sol.	.781	.198	.528	.162	1		1	3 5/16	6 5/16	2 5/16
—	PGH69	397.5 1/2-#2 AR	1000-4/0 str.	266-#6	300-#6 sol.	1.152	.522	.657	.162	2		2	4	6 3/4	4 1/4
—	PGH6129*	874-4/0, 397.5 1/2-#2 AR	1000-4/0 str.	266-#6	300-#6 sol.	1.152	.522	.657	.162	1	3	3 3/8	6 3/4	3 1/8	
<b>Copper Clamps</b>															
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.

Note: Copper clamps are for use on copper conductors only.

**Blackburn® Grounding**

# **Blackburn® Grounding**

**In this section...**



## **Blackburn® Grounding**

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Service Post Connectors.....	C-6
Parallel-Groove Connectors.....	C-7
Two-Bolt Connectors.....	C-8-C9
Ground Rod Clamps.....	C-10-C-12
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Bolted Bronze Connectors.....	C-15-C-16
Flexible Braids.....	C-17-C-24

**Thomas & Betts**

[www.tnb.com](http://www.tnb.com)

## C-Type Taps

Perform line tap-offs, dead-ending and grounding on a range of conductors.

### Copper C-Type Compression Taps

- Can be held in the dies or jaws of an installation tool, then hooked directly over the line for time-saving installations
- Manufactured from pure electrical-grade copper for a highly conductive, low resistance, reliable connection
- Die references marked on connector for easy identification
- RUS Accepted



CC 4040

#### Copperweld-Copper Conductor

8A — Use C-Tap accommodating #6 str. Copper

6A — Use C-Tap accommodating #4 str. Copper

4A — Use C-Tap accommodating #2 str. Copper

2A — Use C-Tap accommodating 1/0–2/0 Copper

#### Copper C-Type Compression Taps

CAT. NO.	WIRE RANGE		INSTALLING DIES	LENGTH (IN.)
	A GROOVE	B GROOVE		
CC 48	#6 sol.–#4 str.	#8 sol.–#8 str.	TU, BG, 5/8	5/8
CC 46	#6 sol.–#4 str.	#6 sol.–#6 str.		
CC 44	#6 sol.–#4 str.	#4 sol.–#4 str.	TM or C	3/4
CC 24*	#2 sol.–#2 str.	#8 sol.–#4 str.		
CC 22	#2 sol.–#2 str.	#2 sol.–#2 str.	E or O	7/8
CC 202	1/0 sol.–2/0 str.	#8 sol.–#2 str.		
CC 2020	1/0 sol.–2/0 str.	1/0 sol.–2/0 str.	F or D3	1 1/16
CC 402	3/0 sol.–4/0 str.	#6 sol.–#2 str.		
CC 4020	3/0 sol.–4/0 str.	1/0 sol.–2/0 str.		
CC 4040	3/0 str.–4/0 str.	3/0 str.–4/0 str.		

\* When using #1 Str. in the A Groove, the B Groove will accommodate #6 or #8 Str. or #8 Sol.

**Note:** For tin-plating option, add “-TN” suffix to the catalog number.

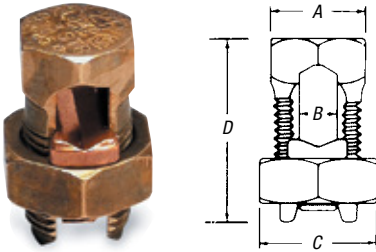


## Split-Bolt Connectors

For copper-to-copper connections.



### Type H — High-Strength Split-Bolt Connectors



- Bolt and nut of high-strength corrosion-resistant bronze alloy
- Pressure bar is copper through 40H, copper alloy for 350 kcmil and above
- Bolt and nut of hex design up to 350 kcmil
- Tested and Listed to UL486C, UL467 for grounding and for direct burial through Cat. No. 40H

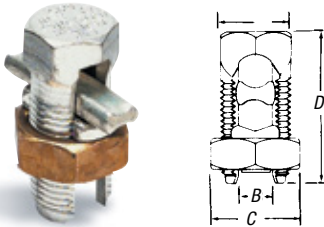
CAT. NO.	CONDUCTOR RANGE (AWG OR KCMIL)			DIMENSIONS (IN.)			
	RANGE FOR EQUAL MAIN AND TAP	MIN. TAP WITH ONE MAX. MAIN		A	B	C	D
9H	10 Str.–12 Sol.	14 Sol.		3/8	.146	1/2	25/32
8H	8 Str.–10 Sol.	14 Sol.		3/8	.146	1/2	25/32
8H3*	8 Str.–12 Sol.	16 Str.		3/8	.146	1/2	29/32
6H	6 Sol.–8 Sol.	14 Sol.		19/32	.170	21/32	31/32
6H3*	6 Sol.–10 Sol.	16 Str.		19/32	.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 3/32
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 3/32
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.		1 1/16	.330	7/8	1 11/32
1H3**	2 Str.–6 Sol.	14 Sol.		1 1/16	.330	7/8	1 5/8
10H	1/0 Str.–4 Sol.	14 Sol.		3/4	.385	1 5/16	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 1/32
40H	250 kcmil–1 Str.	8 Sol.		1	.580	1 5/16	2 1/32
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 1/32
750M	750 kcmil–600 kcmil	4/0 Str.		1 15/16	1.029	2 1/4	3 21/32
1000M	1,000 kcmil–800 kcmil	4/0 Str.		2 1/4	1.185	2 1/2	4 1/32

\* Will accommodate three wires of maximum size. The H3 bolts are not UL Listed or CSA Certified.

\*\* Will accommodate three #2 Stranded wires. UL 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.

### Type HPS — Plated Split-Bolt Connectors with Spacer



- Bolt and pressure bar of copper alloy, completely tin plated for corrosion resistance
- Contoured spacer of electrolytic copper up through 4/0, bronze alloy for 350 kcmil and above, all tin plated
- Most connectors are UL® Listed and CSA Certified for copper conductor only
- Blackburn Contax® paste recommended when used on aluminum conductor

CAT. NO.	CONDUCTOR RANGE (AWG OR KCMIL)			DIMENSIONS (IN.)			
	RANGE FOR EQUAL MAIN AND TAP	RANGE FOR EQUAL MAIN AND TAP	MIN. TAP WITH ONE MAX. MAIN	A	B	C	D
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 3/32
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.	1 1/16	.330	7/8	1 5/8
10HPS	1–6	1/0 Str.–6 Sol.	6 Sol.	3/4	.385	1 5/16	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 19/32
350HPS	266.8–1/0	350 kcmil–1/0 Str.	2 Sol.	1 5/16	.717	1 21/32	2 11/16
500HPS*	397.5–1/0	500 kcmil–1/0 Str.	1/0 Str.	1 1/2	.842	1 7/8	3 1/32
750HPS*	666.6–4/0	750 kcmil–4/0 Str.	2/0 Str.	1 15/16	1.029	2 1/4	3 21/32
1000HPS*	900–477	1,000 kcmil–500 kcmil	4/0 Str.	2 1/4	1.185	2 1/2	4 1/32

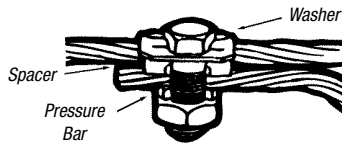
\* Not CSA Certified. UL 486A.

## Split-Bolt Connectors

For combinations of copper, aluminum and ACSR conductors.

### Type HPW — Plated Split-Bolt Connectors with Spacer and Washer

- 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 kcmil and above, all tin plated
- Contoured spacer and bell mouth washer distribute pressure over large area of conductor
- Large contoured spacer provides wide separation between copper and aluminum conductors
- Blackburn Contax® paste recommended when used with aluminum conductor

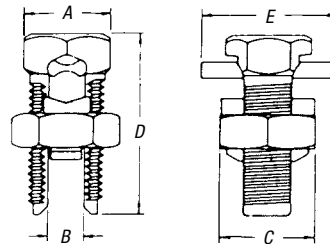


CAT. NO.	CONDUCTOR RANGE (AWG)			DIMENSIONS (IN.)			
	RANGE FOR EQUAL MAIN AND TAP	RANGE FOR EQUAL MAIN AND TAP	MIN. TAP WITH ONE MAX. MAIN	A	B	C	D
	ACSR	COPPER OR ALUMINUM					
6HPW	8	6 Sol.–12 Sol.	12 Sol.	15/32	.170	21/32	1 1/8
4HPW	6–8	4 Sol.–12 Sol.	12 Sol.	17/32	.235	23/32	1 1/2
2HPW	4–8	2 Sol.–8 Sol.	8 Sol.	19/32	.271	25/32	1 5/8
1HPW	2–8	1 Str.–8 Sol.	8 Sol.	11/16	.330	7/8	1 1/4
10HPW	1–6	1/0 Str.–6 Sol.	6 Sol.	3/4	.385	15/16	1 3/4
20HPW	1/0–6	2/0 Str.–6 Sol.	6 Sol.	7/8	.443	1 1/8	2 1/8
40HPW	4/0–4	4/0 Str.–4 Sol.	4 Sol.	1	.580	1 5/8	2 15/32

Accommodates all aluminum and copper conductor combinations.

### Type APS — Aluminum Dual-Rated Split-Bolt Connectors

- Six bolts cover range from #10 to 4/0 AWG
- Install with standard wrenches
- Corrosion-resistant tin-plated aluminum
- Tested and Listed to UL® 486B, 90° C requirements



CAT. NO.	CONDUCTOR RANGE EQUAL MAIN & TAP	DIMENSIONS (IN.)				
		A	B	C	D	E
APS06	6–10 Str.	17/32	.21	23/32	1.27	1 1/4
APS04	4–10 Str.	19/32	.27	25/32	1.48	1 1/4
APS02	2–8 Str.	11/16	.33	7/8	1.63	1 1/4
APS11	1/0–4 Str.	7/8	.44	1 1/8	2.07	1 1/2
APS21	2/0–4 Str.	7/8	.44	1 1/8	2.07	1 1/2
APS41	4/0–2 Str.	1 1/8	.54	1 1/2	2.47	1.55
APS350*	350 kcmil–4 Str.	1 1/8	.70	1 11/16	3.36	2 1/4
APS500*	500 kcmil–2 Str.	1 1/8	.84	2	3.62	2 5/8

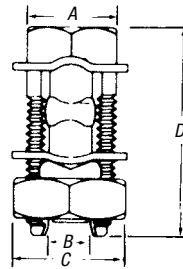
\* Square head design not CSA certified

## Split-Bolt Connectors

For all-aluminum applications.

### Type AAW — Aluminum Split-Bolt Connectors with Spacer and Washers

- Bolt, nut, pressure bar and contoured spacer of aluminum alloy
- Large contoured spacer provides wide separation
- Nut anodized to prevent thread galling
- Blackburn Contax® paste recommended when used on aluminum conductor

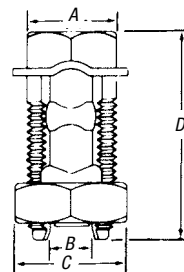


CAT. NO.	CONDUCTOR RANGE (AWG)			DIMENSIONS (IN.)			
	RANGE FOR EQUAL MAIN AND TAP	RANGE FOR EQUAL MAIN AND TAP	MIN. TAP WITH ONE MAX. MAIN	A	B	C	D
	ACSR	ALUMINUM					
6AAW	6-8	4 Sol.-8 Sol.	10 Sol.	17/32	.236	23/32	1 1/32
4AAW	4-8	2 Sol.-8 Sol.	8 Sol.	19/32	.272	25/32	1 15/32
2AAW	2-8	1 Str.-8 Sol.	8 Sol.	11/16	.330	7/8	1 5/8
1AAW	1-4	1/0 Str.-2 Sol.	4 Sol.	7/8	.443	1 1/8	2 1/16
10AAW	1/0-4	2/0 Str.-2 Sol.	4 Sol.	7/8	.443	1 1/8	2 1/16
40AAW	4/0-4	4/0 Str.-4 Sol.	4 Sol.	1	.580	1 1/4	2 15/32

Contoured spacer and bell-mouth washer distribute pressure over large area of conductor.

### Type CA — Aluminum Split-Bolt Connectors with Spacer and Washer

- Bolt, nut and washer made of high-strength aluminum alloy
- Pressure bar and contoured spacer made of electrolytic copper
- Spacer is completely tin plated
- Bolt and nut are anodized to prevent seizing of threads and reduce galvanic corrosion when in contact with copper conductor
- Blackburn Contax® paste recommended with this connector



CAT. NO.	CONDUCTOR RANGE (AWG)		DIMENSIONS (IN.)			
	RANGE FOR EQUAL MAIN AND TAP	MIN. TAP WITH ONE MAX. MAIN	A	B	C	D
	COPPER OR ALUMINUM					
6CA	4 Sol.-6 Sol.	4 Sol.-12 Sol.	17/32	.236	23/32	1 1/32
4CA	2 Sol.-4 Sol.	2 Sol.-10 Sol.	19/32	.272	25/32	1 15/32
2CA	1 Str.-4 Sol.	1 Str.-8 Sol.	11/16	.330	7/8	1 5/8
1CA	1/0 Str.-2 Sol.	1/0 Str.-6 Sol.	7/8	.443	1 1/8	2 1/16
10CA	2/0 Str.-2 Sol.	2/0 Str.-6 Sol.	7/8	.443	1 1/8	2 1/16
40CA	4/0 Str.-2/0 Sol.	4/0 Str.-4 Sol.	1	.580	1 1/4	2 15/32

## Service Post Connectors

For grounding of steel structures, fence posts or transformers using one or two cables.

### Service Post Connectors

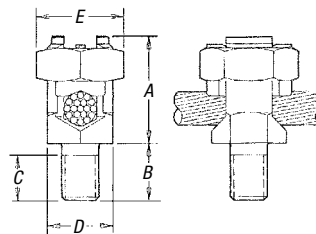
- For copper-to-copper connections
- For tapping one or two cables from bus bar
- Hex design bolts machined from high-conductivity bronze alloy
- Nuts and pressure bars cold-formed from high-strength copper or copper alloy
- Available in sizes for #12 – 500 kcmil stranded and #12 – #2 solid copper conductor
- Available in both single- and double-conductor versions
- UL® 486A and UL® 467 Listed



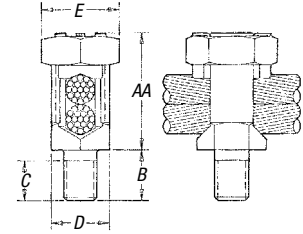
Short Stud



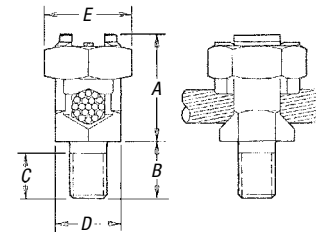
Long Stud



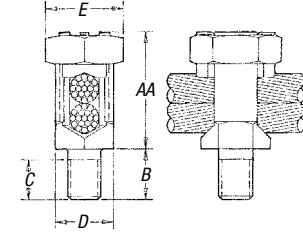
Single-Conductor Short Stud



Double-Conductor Short Stud



Single-Conductor Long Stud



Double-Conductor Long Stud

#### Single- and Double-Conductor Service Post Connectors, Short Stud



CAT. NO.	CONDUCTOR RANGE AWG MM <sup>2</sup>				DIAMETER RANGE (IN.)	STUD SIZE	
	STRANDED		SOLID				
SP0DS	SP0SS	8 6mm <sup>2</sup>	12 4mm <sup>2</sup>	8 10mm <sup>2</sup>	12 4mm <sup>2</sup>	.146-.081 —	¼-20 x ½
SP1DS	SP1SS	7 10mm <sup>2</sup>	10 6mm <sup>2</sup>	6 10mm <sup>2</sup>	10 6mm <sup>2</sup>	.164-.102 —	¼-20 x ½
SP2DS	SP2SS	5 16mm <sup>2</sup>	10 6mm <sup>2</sup>	4 —	10 —	.206-.102 —	⅝-18 x ⅝
SP3DS	SP3SS	3 25mm <sup>2</sup>	10 6mm <sup>2</sup>	2 —	10 —	.26-.102 —	⅝-16 x ⅝
SP4DS	SP4SS	1 35mm <sup>2</sup>	8 10mm <sup>2</sup>	2 —	8 —	.332-.129 —	⅝-16 x ⅝
SP5DS	SP5SS	1/0 50mm <sup>2</sup>	2 35mm <sup>2</sup>	1/0 —	2 —	.373-.258 —	½-13 x ¾
SP6DS	SP6SS	2/0 50mm <sup>2</sup>	2 35mm <sup>2</sup>	2/0 —	2 —	.419-.258 —	½-13 x ¾
SP8DS	SP8SS	4/0 95mm <sup>2</sup>	2 35mm <sup>2</sup>	4/0 —	1 —	.528-.289 —	⅝-11 x 1
SP9DS	SP9SS	350 150mm <sup>2</sup>	1/0 50mm <sup>2</sup>	— —	— —	.681-.373 —	⅝-11 x 1
SP10DS	SP10SS	500 240mm <sup>2</sup>	3/0 95mm <sup>2</sup>	— —	— —	.814-.47 —	¾-10 x 1¼

#### Single- and Double-Conductor Service Post Connectors, Long Stud



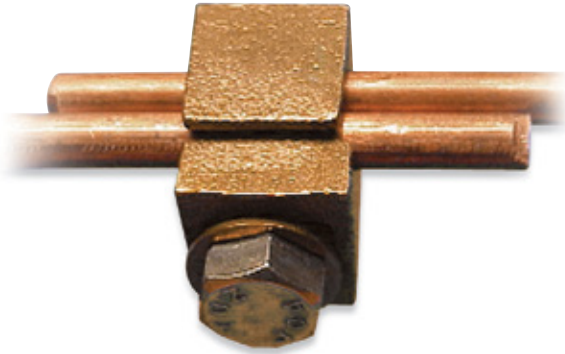
CAT. NO.	CONDUCTOR RANGE AWG MM <sup>2</sup>				DIAMETER RANGE (IN.)	STUD SIZE	
	STRANDED		SOLID				
SP0SL	SP0DL	8 6mm <sup>2</sup>	12 4mm <sup>2</sup>	8 10mm <sup>2</sup>	12 4mm <sup>2</sup>	.146-.081 —	¼-20 x 1
SP1SL	SP1DL	7 10mm <sup>2</sup>	10 6mm <sup>2</sup>	6 10mm <sup>2</sup>	10 6mm <sup>2</sup>	.164-.102 —	¼-20 x 1
SP2SL	SP2DL	5 16mm <sup>2</sup>	10 6mm <sup>2</sup>	4 —	10 —	.206-.102 —	⅝-18 x 1
SP3SL	SP3DL	3 25mm <sup>2</sup>	10 6mm <sup>2</sup>	2 —	10 —	.26-.102 —	⅝-16 x 1⅝
SP4SL	SP4DL	1 35mm <sup>2</sup>	8 10mm <sup>2</sup>	2 —	8 —	.332-.129 —	⅝-16 x 1⅝
SP5SL	SP5DL	1/0 50mm <sup>2</sup>	2 35mm <sup>2</sup>	1/0 —	2 —	.373-.258 —	½-13 x 1¼
SP6SL	SP6DL	2/0 50mm <sup>2</sup>	2 35mm <sup>2</sup>	2/0 —	2 —	.419-.258 —	½-13 x 1¼
SP8SL	SP8DL	4/0 95mm <sup>2</sup>	2 35mm <sup>2</sup>	4/0 —	1 —	.528-.289 —	⅝-11 x 1½
SP9SL	SP9DL	350 150mm <sup>2</sup>	1/0 50mm <sup>2</sup>	— —	— —	.681-.373 —	⅝-11 x 1½
SP10SL	SP10DL	500 240mm <sup>2</sup>	3/0 95mm <sup>2</sup>	— —	— —	.814-.47 —	¾-10 x 1¼

## Parallel-Groove Connectors

Create a superior electrical connection — while saving time and money.

### Blackburn® Bronze ViceLock® Connectors

- Offer superior electrical performance
- Make a permanent connection
- Vibration resistant
- Install quickly and easily with no need for special or heavy tools
- Can be installed with live line tools
- V-grooves enable easy conductor alignment
- Simple to install without cross-threading
- Full thread engagement design increases bolt strength
- High-pressure/torque ratio ensures a low electrical resistance connection
- Helps reduce inventory by accepting a wide range of conductors



#### Specifications

- Silicon bronze material (CDA956000) for higher yield strength
- Large sizes include stainless steel hardware
- Bellcore approved

#### Typical Applications

- Distribution loads
- Service bonding
- Tap connections
- Ground connections
- Also has grounding capability with a variety of cable tray, channel and strut applications

CAT. NO.	2 CONDUCTORS WIRE RANGE*			INNER CTN. QTY.	MASTER CTN. QTY.	COMPETITOR CROSS REF.	
	MAX.	MIN.	DECIMAL (IN.)			FARGO	RELIABLE
VGC68	#6 Sol.	#10 Sol.	.162-.101	50	250	GC-5006	BVC-6
VGC68SH	#6 Sol.	#10 Sol.	.162-.101	50	250	GC-5006SH	—
VGC44	#4 Str.	#8 Sol.	.232-.128	50	250	GC-5004	BVC-4
VGC23	#2 Sol.	#6 Sol.	.286-.162	50	250	GC-5002	BVC-2
VGC12	#2 Str.	#5 Sol.	.320-.181	50	250	GC-5002S	BVC-2S
VGC2010	1/0 Str.	#4 Sol.	.390-.204	50	250	GC-5020	BVC-20
VGC3020	2/0 Str.	#3 Sol.	.438-.229	25	125	GC-5020S	BVC-20S
VGC4040	4/0 Str.	#1 Sol.	.552-.289	25	125	GC-5040	BVC-40

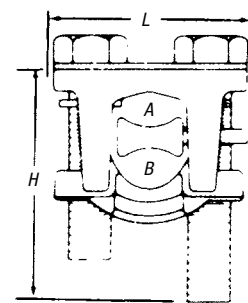
\* Wire range indicates each connector's ability to accommodate two wires of the same size shown in the "MAX." or "MIN." columns.

## Two-Bolt Connectors

Neoprene washers capture bolts in bottom casting for easy installation.

### Type 2B — Two-Bolt Connectors without Spacer

- Castings and bolts of high-strength copper alloy
- Removable cap
- UL® 486A Listed for copper conductor only



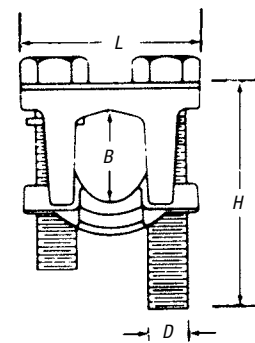
CAT. NO.	CONDUCTOR RANGE (AWG OR KCMIL)				CONDUCTOR DIAMETER (B)		BOLT HEAD	DIMENSIONS (IN.)		
	MAIN		TAP		MAX.	MIN.		L	H	D
	MAX.	MIN.	MAX.	MIN.						
2B10	1/0 Str.	2 Str.	1/0 Str.	10 Sol.	.746	.394	1/2	1 1/16	1 1/4	5/16
2B20BB	2/0 Str.	2 Str.	2/0 Str.	8 Sol.	.838	.420	1/2	1 1/16	1 1/4	5/16
2B40	4/0 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

UL 486A

Extra-long bolt enables top casting to swing free over two conductors of maximum range.

### Type 2BX — One-Piece Two-Bolt Connectors without Spacer

- Single-piece construction
- Castings and bolts of high-strength copper alloy
- Neoprene washer holds free bolt in place during installation
- UL® 486A Listed for copper conductor only



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 1/16	1 1/2	5/16
2B20X	2/0 Str.	2 Str.	2/0 Str.	8 Sol.	.838	.420	1/2	1 1/16	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

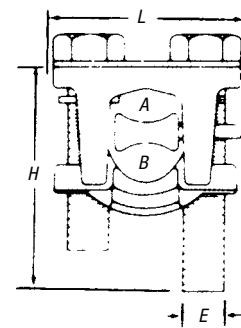
UL 486A

## Two-Bolt Connectors

Ringed, contoured spacer swings easily over conductor.

### Type 2BW — Two-Bolt Connectors with Spacer

- For use on copper conductors only
- Single-piece construction spacer
- Castings and bolts made of high-strength copper alloy
- Spacer made of ductile, high-conductivity copper alloy
- UL® 486A Listed for copper conductor only

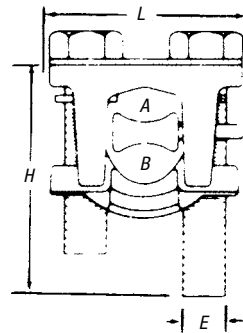


CAT. NO.	CONDUCTOR RANGE (AWG OR KCMIL)				CONDUCTOR DIAMETER				BOLT HEAD	DIMENSIONS (IN.)		
	MAIN		TAP		A		B			L	H	E
	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.				
2B10W	1/0 Str.	2 Str.	1/0 Str.	10 Sol.	.373	.292	.373	.102	1/2	1 1/16	1 1/8	5/16
2B20W	2/0 Str.	2 Str.	2/0 Str.	8 Sol.	.419	.292	.419	.128	1/2	1 1/16	1 1/8	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	1 1/16	2 31/32	3 3/4	5/8

For use on copper, aluminum and ACSR conductors.

### Type 2BPW — Two-Bolt Connectors with Spacer

- Single-piece construction spacer
- UL® 486A Listed for copper conductor only



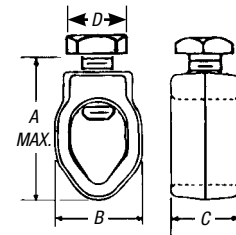
CAT. NO.	CONDUCTOR RANGE (AWG OR KCMIL)				CONDUCTOR DIAMETER				BOLT HEAD	DIMENSIONS (IN.)		
	MAIN		TAP		A		B			L	H	E
	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.				
2B10PW	1/0-2	1/0-6	1/0 Str.-2 Str.	1/0 Str.-2 Sol.	.398	.292	.398	.102	1/2	1 1/16	1 1/8	5/16
2B20PW	2/0-2	2/0-6	2/0 Str.-2 Str.	1/0 Str.-2 Sol.	.447	.292	.447	.128	1/2	1 1/16	1 1/8	5/16
2B40PW	4/0-1/0	4/0-6	4/0 Str.-1/0 Str.	4/0 Str.-1/0 Sol.	.563	.368	.563	.162	9/16	1 23/32	2 1/8	3/8
2B350PW	350-4/0	350-4	350-4/0	350-4 Sol.	.680	.522	.680	.204	3/4	2 1/8	2 1/2	1/2
2B500PW	397.5-336.4	397.5-4	500-350	500-4 Sol.	.813	.679	.813	.204	3/4	2 1/4	2 3/4	1/2
2B800PW	666.6-397.5	666.6-2	800-600	800-2 Sol.	1.031	.891	1.031	.258	3/4	2 1/2	3 1/4	1/2
2B1000PW	900-666.6	900-2	1000-750	1000-2 Sol.	1.162	.997	1.162	.258	1 1/16	2 31/32	3 3/4	5/8

## Ground Rod Clamps

UL® Listed for both copper-clad and galvanized ground rods.

### Type JWR — Wide-Range Ground Rod Clamp

- UL Listed for direct burial in earth/concrete
- Constructed from bronze alloy and high-performance stainless steel bolt
- Provides wide range of connection sizes
- More than 300 lbs. torque capacity



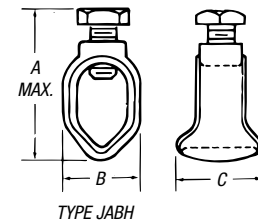
CAT. NO.	NOMINAL ROD DIA.		WIRE RANGE			DIMENSIONS (IN.)				
	(IN.)	(MM)	MAX.	MIN.	MAX. (MM <sup>2</sup> )	MIN. (MM <sup>2</sup> )	A (MAX.) BOLT	B	C	D
JWR	3/8*	9.5	1/0 Str.	10 Sol.	53.4	5.2	1.535	1.050	.812	.652
	1/2	12.7	1/0 Str.	10 Sol.	53.4	5.2	1.535	1.050	.812	.652
	5/8	15.8	1/0 Str.	10 Sol.	53.4	5.2	1.535	1.050	.812	.652
	3/4	19.0	1/0 Str.	8 Sol.	53.4	8.3	1.535	1.050	.812	.652

\* 3/8" rod not recognized/listed by UL.

Long bearing surface of clamp on ground wire secures ground connection.

### Type JAB — Ground Rod Clamps

- Cast of high-strength corrosion-resistant copper alloy
- Both hex head bolts and socket set screws available
- UL® Listed for direct burial



CAT. NO.	NOMINAL ROD DIA.		WIRE RANGE				DIMENSIONS (IN.)						
	SOCKET SET SCREW	HEX HEAD BOLT	(IN.)	(MM)	MAX.	MIN.	MAX. (MM <sup>2</sup> )	MIN. (MM <sup>2</sup> )	A (MAX.) SOCKET SCREW	A (MAX.) HEX BOLT	SCREW THREAD SIZE UNC-2A	B	C
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	1 9/32
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 1/16
JAB34	JAB34H	3/4	19.0	1/0 Str.	8 Sol.	53.4	8.3	2	2 1/32	7/16-14	1 1/16	1	5/64
—	JAB34C	3/4 + 5/8	15.8 to 19.0	4/0 Str.	8 Sol.	95.0	8.3	—	2 1/32	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 1/32	1 1/16	1

\* Not CSA listed Add suffix P to Cat. No. for tin-plated clamp.

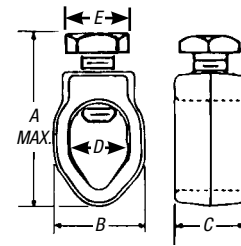


## Ground Rod Clamps

A dependable ground connection offered at a substantial savings.

### Type G — Budget-Line Ground Clamps

- Cast of high-strength corrosion-resistant copper alloy
- Furnished with hex head bolts
- Simplified, compact design makes lasting, trouble-free connection
- UL® Listed for direct burial



CAT. NO.	NOMINAL ROD DIA.		WIRE RANGE				DIMENSIONS (IN.)					
	(IN.)	(MM)	MAX.	MIN.	MAX. (MM <sup>2</sup> )	MIN. (MM <sup>2</sup> )	A (MAX.) BOLT	SCREW THREAD SIZE UNC-2A	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	13/16	1/2

\* Not UL Listed.

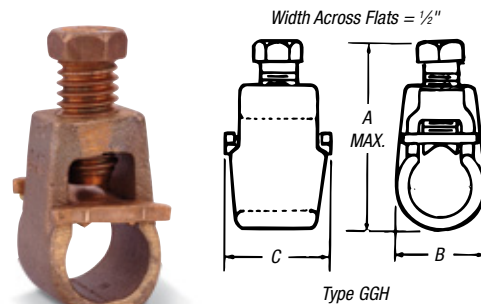
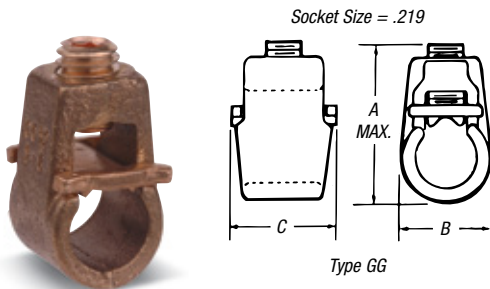
† RUS Accepted.

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

Axial groove keeps wire and rod in perfect alignment.

### Types GG and GGH — Heavy-Duty Ground Rod Clamps

- Cast of high-strength corrosion-resistant copper alloy
- Both hex head bolts and socket set screws available
- Floating pressure bar distributes pressure evenly over large area of ground wire



CAT. NO.*	NOMINAL ROD DIA.		WIRE RANGE				DIMENSIONS (IN.)						
	SOCKET SET SCREW	HEX HEAD BOLT	(IN.)	(MM)	MAX.	MIN.	MAX. (MM <sup>2</sup> )	MIN. (MM <sup>2</sup> )	A (MAX.) SOCKET SCREW	A (MAX.) HEX BOLT	SCREW THREAD SIZE UNC-2A	B	C
GG12	GG12H	1/2	12.7	2 Str.	8 Sol.	33.6	8.3	1 13/64	1 13/16	7/16-14	27/32	15/16	
GG58	GG58H	5/8	15.8	2 Str.	8 Sol.	53.6	8.3	1 51/64	2 7/32	7/16-14	61/64	15/16	
—	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 Cat. No. for tin-plated clamp.

GG34H has no pressure bar or axial groove.

## Ground Rod Clamps

Drive-on design provides easy, tool-free installation, high-reliability compression-fit connection and room for one or two ground leads.

### Type DGC — Drive-On Ground Clamps

- High-strength copper alloy provides increased tensile strength and long-term corrosion resistance for direct-burial applications
- UL486A and UL467 Listed
- RUS Listed



CAT. NO.	GROUND ROD SIZE	GROUND WIRE SIZE
DGC58-44 <sup>†</sup>	5/8 (.555-.565)	(1) or (2) #4 Sol.
DGC58-66 <sup>†</sup>	5/8 (.555-.565)	(1) or (2) #6 Sol.
DGC58-46*	5/8 (.555-.565)	(1) #4 Sol., (1) #6 Sol.

<sup>†</sup> RUS Listed

\* Not UL Listed

Streamlined design reduces driving friction.

### Type C — Sectional Ground Rod Couplings

- Threaded couplings of high-strength, corrosion-resistant alloy
- Tapped for use on all standard threaded sectional rods



CAT. NO.	SIZE	
	(NOMINAL DIAMETER)	THREAD SIZE
50C	1/2"	1/2"-13 UNS
50LC <sup>††</sup>	1/2" L	9/16"-12 UNS
60C <sup>††</sup>	3/8"	5/8"-11 UNS
70C*	3/4"	3/4"-10 UNS
80C*	1"	1"-8 UNS

\* UL Listed 467 (425H).

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

<sup>†</sup> RUS Listed.

Use with all standard threaded couplings.

### Type DS — Driving Studs

- Made of high-strength steel
- Compatible with all standard threaded couplings



CAT. NO.	SIZE	
	(NOMINAL DIAMETER)	THREAD SIZE
50DS	1/2"	1/2"-13 UNS
50LDS <sup>††</sup>	1/2" L	9/16"-12 UNS
60DS <sup>††</sup>	5/8"	5/8"-11 UNS
70DS*	3/4"	3/4"-10 UNS
80DS*	1"	1"-8 UNS

\* UL Listed 467 (425H).

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

<sup>††</sup> REA Listed.

For joining non-threaded, copper-bonded steel ground rods.

### Threadless Couplings and Driving Cap

- Couplings manufactured of high-strength corrosion-resistant copper alloy
- High-strength hardened steel driving cap prevents "mushrooming" of ground rod while driving to ensure proper fit of coupling



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

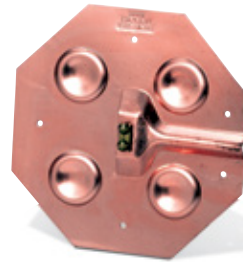
\* UL Listed.

## Ground Plates

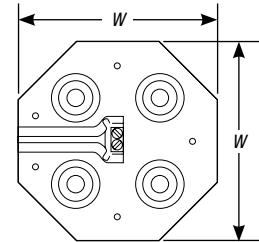
Put a load on this solid copper plate — it accommodates up to #2 AWG ground wire.

### Pole Butt Grounding Plate

- An economical means of grounding systems or equipment — provides material and time savings over wrapping butt with copper wire
- Combines with the weight and natural vibration of the pole to maintain a better ground
- Has four moisture-retaining cups
- Embossed on a solid copper plate
- RUS accepted



5575



Blackburn® Grounding

CAT. NO.	WIDTH (IN.)
5575	7½

More efficient than butt-wrapping poles.

### Type GP — Copper Pole Bottom Ground Plates for Multigrounded Neutral Construction

- 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



CAT. NO.	PIGTAIL WIRE RANGE		MIN.		MAX.		DIAMETER OF PLATE	
	MIN.	MAX.	(MM²)	(MM²)	(IN.)	(MM)	(IN.)	(MM)
GP100	#14 Str.	#4 Sol.	6.3	25.6	7½	191		
GP110	#14 Str.	#4 Sol.	6.3	25.6	10	254		
GP114	#14 Str.	#4 Sol.	6.3	25.6	14	356		
GP1003	#6 AWG solid CU Pigtail with 18" conductor		—	—	7½	191		
GP1008	#6 AWG solid CU Pigtail with 8-ft. conductor		—	—	7½	191		
GP1108	#6 AWG solid CU Pigtail with 8-ft. conductor		—	—	10	254		

Installed cost considerably less than butt-wrapped poles.

### Type PB — Copper Pole Ground Plates

- Installed on butt end of utility poles to provide an economical, low-resistance neutral ground
- 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 lockwasher
- PBH connector features riveted all-copper terminal lug for connecting to grounding conductor



CAT. NO.	WIRE RANGE		FINISHED SIZE	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.

## Ground Plates

Solid copper girdle features captive high-pressure connectors and is easy to install.

### Ground Girdle System

- Less expensive than pole butt wrapping
- Adaptable — use for multiple grounding



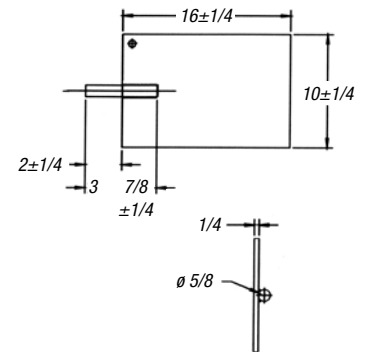
GG 144 E 1/0

CAT. NO.	DIMENSIONS (IN.)		AREA (SQ. IN.)	GAUGE	WIRE RANGE
	WIDTH	LENGTH			
GG 144 E 1/0	7½	19¼	144.4	0.06	1/0-#4
GG 288 E 2	7½	38½	288	0.06	#2 str.-#6 sol.
GG 288 E 3 V1	7½	38½	288	0.06	#2 sol.-#6 sol.

As efficient as two 10-ft. x 5/8" ground rods.

### Galvanized Ground Plates

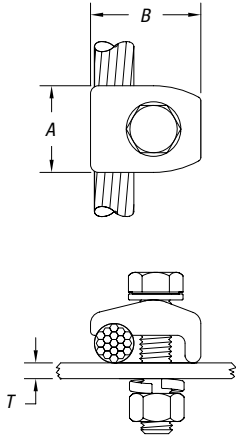
- ¼" thick, hot-dipped galvanized
- Must be buried at least 600mm (24") below finish grade level, according to CEC Rule 10-702



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.

## Bolted Bronze Connectors

### Type 2709T-1 — Ground Connector, Cable to Flat



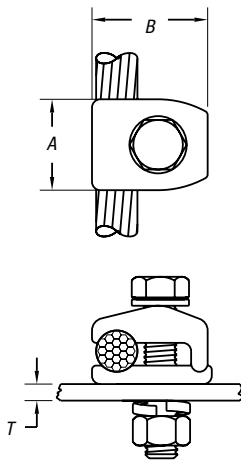
CAT. NO.	CABLE			A	B
	RANGE	DIAMETER	ROD		
2709T-1-4	#8-#4	.129-.232	3/16	1 1/2	1 1/16
2709T-1-2/0	#4-2/0	.204-.419	3/8		1 1/2
2709T-1-25	2/0-250	.419-.575	1/2	1 3/8	1 1/4
2709T-1-30	#4-300	.204-.630	5/8		1 3/8
2709T-1-50	300-500	.630-.813	3/4	1 1/2	1 3/8
2709T-1-75	550-750	.855-.998	15/16		1 1/2
2709T-1-100	800-1000	1.031-1.152	1	1 3/8	2 1/8

1/4" hardware provided for "T".

Specify other "T" if required. e.g. 2709T-1-75-T 1/2

Connectors supplied with clamping hardware in accordance with NEMA standard CC 1.

### Type 2709-1 — Ground Connector, Cable to Flat



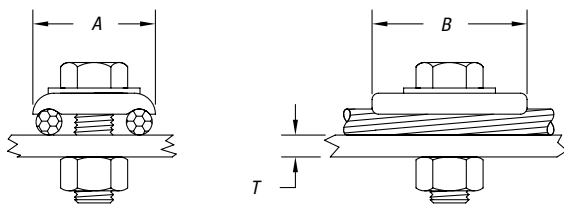
CAT. NO.	CABLE			A	B
	RANGE	DIAMETER	ROD		
2709-1-4	#8-#4	.129-.232	3/16	1 1/2	1 1/16
2709-1-2/0	#4-2/0	.204-.419	3/8		1 1/2
2709-1-25	2/0-250	.419-.575	1/2	1	1 3/8
2709-1-30	#4-300	.204-.630	5/8		1
2709-1-50	300-500	.630-.813	3/4	1 1/2	2 1/4
2709-1-75	550-750	.855-.998	15/16		1 1/2
2709-1-100	800-1000	1.031-1.152	1	1 3/8	3

1/4" hardware provided for "T".

Specify other "T" if required. e.g. 2709-1-4-T 1/2

Connectors supplied with clamping hardware in accordance with NEMA standard CC 1.

### Type 2709T-2 — Ground Connector, Two Cables to Flat



CAT. NO.	CABLE			A	B
	RANGE	DIAMETER	ROD		
2709T-2-4	#8-#4	.129-.232	3/16	1 1/8	1 1/2
2709T-2-2/0	#4-2/0	.204-.419	3/8	1 1/2	
2709T-2-25	2/0-250	.419-.575	1/2	2	2
2709T-2-30	#4-300	.204-.630	5/8		
2709T-2-50	300-500	.630-.813	3/4	2 1/2	2
2709T-2-75	550-750	.855-.998	15/16		
2709T-2-100	800-1000	1.031-1.152	1	3 3/8	

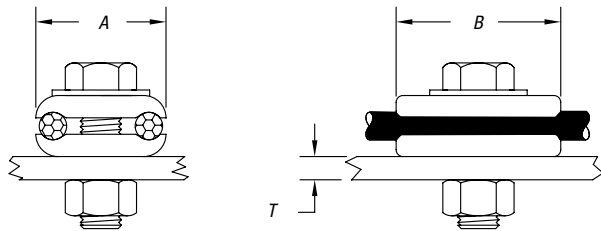
1/4" hardware provided for "T".

Specify other "T" if required. e.g. 2709-2-4-T 1/2

Connectors supplied with clamping hardware in accordance with NEMA standard CC 1.

## Bolted Bronze Connectors

### Type 2709-2 — Ground Connector, Two Cables to Flat



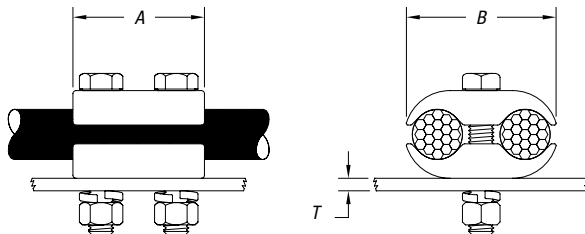
CAT. NO.	CABLE			A	B
	RANGE	DIAMETER	ROD		
2709-2-4	#8-#4	.129-.232	3/16	1 1/8	1 1/2
2709-2-2/0	#4-2/0	.204-.419	3/8	1 1/2	
2709-2-25	2/0-250	.419-.575	1/2	2	2
2709-2-30	2/0-300	.419-.630	5/8	2 1/2	
2709-2-50	300-500	.630-.813	3/4	2 3/4	
2709-2-75	550-750	.855-.998	1 1/16	3	
2709-2-100	800-1000	1.031-1.152	1	3 1/8	

1/4" hardware provided for "T".

Specify other "T" if required. e.g. 2709-2-30-T 1/2

Connectors supplied with clamping hardware in accordance with NEMA standard CC 1.

### Type 2710-2 — Ground Connector, Two Cables to Flat



CAT. NO.	CABLE			A	B
	RANGE	DIAMETER	ROD		
2710-2-4	#8-#4	.129-.232	3/16	2 1/4	1 11/16
2710-2-2/0	#4-2/0	.204-.419	3/8		
2710-2-25	2/0-250	.419-.575	1/2	2 5/8	2 1/8
2710-2-30	2/0-300	.419-.630	5/8	2 3/4	2 3/8
2710-2-50	300-500	.630-.813	3/4	2 11/16	2 1/2
2710-2-75	550-750	.855-.998	1 1/16	2 5/8	3
2710-2-100	800-1000	1.031-1.152	1	3 1/4	3 1/8

1/4" hardware provided for "T".

Specify other "T" if required. e.g. 2710-2-30-T 1/2

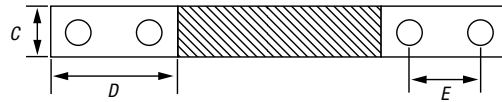
Connectors supplied with clamping hardware in accordance with NEMA standard CC 1.

## Flexible Braids

Flexible copper braids for use in substation and grounding applications.

### Type FB — Flexible Braids

- Tin-plated copper braids and ferrules for high conductivity and corrosion resistance
- Enables linear expansion, equipment vibration and offset connections
- Certified C22.2 No. 41 Grounding & Bonding Equipment
- Listed UL467 and UL486A Grounding & Bonding Equipment



#### Type FB — Flexible Braids



CAT. NO.†	CIRCULAR MILS	BOLT HOLE	NO. OF BRAIDS IN FERRULE	THICKNESS	DIMENSIONS		
					C	D	E
					FERRULE LENGTH	DISTANCE CTR. TO CTR.	
FB12-1*	24000	¼	1	.140	.625	.750	N/A
FBC12-1*	48000	⅞	1	.148	1.000	1.300	N/A
FBD12-1*	76800	⅞	1	.200	1.000	1.300	N/A
FBD12*	76800	⅞	1	.200	1.000	2.500	1.25
FB2D12-1*	153600	⅞	2	.250	1.250	1.500	N/A
FB2D12*	153600	⅞	2	.250	1.250	2.500	1.25
FB3D12-1*	230400	⅞	3	.350	1.250	1.500	N/A
FB3D12*	230400	⅞	3	.350	1.250	2.500	1.25
FBXD12-1*	105600	⅞	1	.250	1.250	1.500	N/A
FBXD12*	105600	⅞	1	.250	1.250	2.500	1.25
FB2XD12-1*	211200	⅞	2	.350	1.250	1.500	N/A
FB2XD12	211200	⅞	2	.350	1.250	2.500	1.25
FB3XD12-1*	316800	⅞	3	.400	1.250	1.500	N/A
FB3XD12*	316800	⅞	3	.400	1.250	2.500	1.25
FBE12-1*	168000	⅞	1	.500	1.250	2.500	N/A
FBE12*	168000	⅞	1	.250	1.250	3.500	1.75
FB2E12-1*	336000	⅞	1	.500	1.250	2.500	N/A
FB2E12*	336000	⅞	2	.500	1.250	3.500	1.75
FB3E12	504000	⅞	3	.750	1.250	3.500	1.75
FB4E12	672000	⅞	4	1.000	1.250	3.500	1.75
FBF12	230400	⅞	1	.300	1.500	3.500	1.75
FB2F12	460800	⅞	2	.450	1.500	3.500	1.75
FB3F12	691200	⅞	3	.600	1.625	3.500	1.75
FB4F12	921600	⅞	4	.750	1.625	3.500	1.75
FBG12	307200	⅞	1	.380	1.500	3.500	1.75
FB2G12	614400	⅞	2	.630	1.625	3.500	1.75
FB3G12	921600	⅞	3	.850	1.625	3.500	1.75
FB4G12	1228800	⅞	4	1.000	1.880	3.500	1.75

† Catalog number shown in 12" lengths. Standard lengths offered in 6, 12, 18, 24, 30 and 36 inches (end to end). Change the 12 in the above catalog numbers to the desired length. (-1) indicates one bolt hole per ferrule.

See amperage tables on next page as a reference for grounding and bonding, or continuous current applications.

FB4 series is not listed/certified.

For custom flexible braids, contact Customer Service.

#### Flexible Braid in a Roll — 10-Foot Minimum

CAT. NO.	CIRCULAR MILS.	THICKNESS (IN.)	WIDTH (IN.)
FBRL	24000	.140	.625
FBCRL	48000	.148	1.000
FBDRL	76800	.200	1.000
FBXDRL	105600	.250	1.250

Ferrules or lugs not included.

## Flexible Braids

### Flexible Braid Selection Guide

#### Minimum Size Flexible Braid for Continuous-Current Applications

CAT. NO.	CIRCULAR MILS	AMPERAGE CAPACITY
FBB12-1	24000	95
FBC12-1	48000	145
FBD12-1	76800	190
FBD12	76800	190
FB2D12-1	153600	330
FB2D12	153600	630
FB3D12-1	230400	470
FB312	230400	470
FBXD12-1	105600	235
FBXD12	105600	235
FB2XD12-1	211200	400
FB2XD12	211200	400
FB3XD12-1	316800	600
FB3XD12	316800	600



CAT. NO.	CIRCULAR MILS	AMPERAGE CAPACITY
FBE12-1	16800	340
FBE12	16800	340
FB2E12-1	336000	530
FB2E12	336000	530
FB3E12	504000	700
FB4E12	672000	805
FBF12	230400	360
FB2F12	460800	600
FB3F12	691200	820
FB4F12	921600	1000
FBG12	307200	415
FB2G12	614400	700
FB3G12	921600	960
FB4G12	1228800	1200

## Grounding and Bonding Applications

#### Minimum Size Conductors for Bonding Raceways and Equipment

RATING OR SETTING OF OVERCURRENT DEVICE IN CIRCUIT AHEAD OF EQUIPMENT, CONDUIT, ETC. NOT EXCEEDING — AMPERES	COPPER WIRE CIRCULAR MILS
200	26240 (6 AWG)
300	41740 (4 AWG)
400	52620 (3 AWG)
500	66360 (2 AWG)
600	83690 (1 AWG)
800	105600 (1/0)
1000	133100 (2/0)
1200	167800 (3/0)
1600	211600 (4/0)
2000	250000
2500	350000
3000	400000
4000	500000
5000	700000
6000	800000

Based on table 16 C.E.C.

#### Minimum Size of Bare Copper Grounding Conductor

MAXIMUM AVAILABLE SHORT CIRCUIT CURRENT AMPERES	MAXIMUM FAULT DURATION WITH EXOTHERMIC WELD, COMPRESSION OR BOLTED JOINT .5 SECONDS CIRCULAR MILS	1.0 SECOND CIRCULAR MILS
5 000	26240	41740
10 000	52620	83690
15 000	83690	105600
20 000	105600	167800
25 000	133100	211600
35 000	211600	250000
40 000	211600	300000
50 000	250000	350000
60 000	300000	500000
70 000	350000	600000
80 000	400000	600000
90 000	500000	700000
100 000	500000	700000

Based on table 51 C.E.C.

Size calculated in accordance with IEEE No. 80.

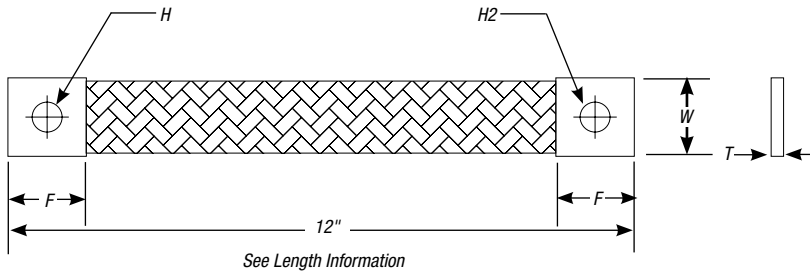


## Flexible Braids

Connect transformers, generators or busbars wherever there is severe vibration or misalignment.

### 1-Hole NEMA Extra-Flexible Jumpers — FBE1H™ Series

- 36 AWG individual wires in braid construction for extra flexibility
- 99.9% pure copper ferrules on each end provide high conductivity
- Individual wires are tinned prior to weaving to deliver maximum protection from corrosion



CAT. NO.	AMPACITY Δ 65° C*	NO. OF BRAIDS IN ASSEMBLY	W IN. (MM)	F IN. (MM)	H IN. (MM)	H2 IN. (MM)	T IN. (MM)	WEIGHT LB. (KG)
FBE1H035A1	350	1	1½ (38.1)	1½ (38.1)	⅜ (14.3)	⅜ (14.3)	⅜ (4.7)	.49 (.22)
FBE1H035A2					⅜ (14.3)	⅞ (11.1)		
FBE1H035A3					⅞ (11.1)	⅞ (11.1)		
FBE1H050A1	500	2	1½ (38.1)	1½ (38.1)	⅜ (14.3)	⅜ (14.3)	¼ (6.4)	.84 (.38)
FBE1H050A2					⅜ (14.3)	⅞ (11.1)		
FBE1H050A3					⅞ (11.1)	⅞ (11.1)		
FBE1H070A1	700	4	1½ (38.1)	1½ (38.1)	⅜ (14.3)	⅜ (14.3)	⅜ (9.5)	1.54 (.70)
FBE1H070A2					⅜ (14.3)	⅞ (11.1)		
FBE1H070A3					⅞ (11.1)	⅞ (11.1)		
FBE1H100A1	1000	6	1⅝ (39.6)	1⅝ (39.6)	⅜ (14.3)	⅜ (14.3)	½ (12.7)	2.31 (1.05)
FBE1H100A2					⅜ (14.3)	⅞ (11.1)		
FBE1H100A3					⅞ (11.1)	⅞ (11.1)		

\* Temperature rise test per CEI60694, IEEE/ANSI C37.34-1994.

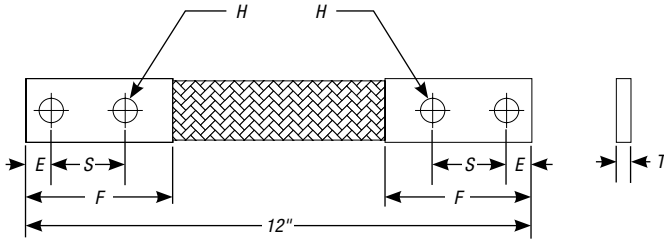
**Note:** Standard total lengths are 12". For different lengths, add your desired length to the end of the catalog number (e.g., FBE1H035A1-16 for 16" long). Ferrules are tinned. For other options, please consult your Thomas & Betts representative.

## Flexible Braids

Connect your equipment in high-vibration areas.

### 2-Hole NEMA Extra-Flexible Jumpers — FBE2H™ Series

- 36 AWG individual wires in braid construction for extra flexibility
- 99.9% pure copper ferrules on each end provide high conductivity
- Individual wires are tinned prior to weaving to deliver maximum protection from corrosion



CAT. NO.	AMPACITY Δ 65° C*	NO. OF BRAIDS IN ASSEMBLY	W IN. (MM)	F IN. (MM)	E IN. (MM)	S IN. (MM)	H IN. (MM)	T IN. (MM)	WEIGHT LB. (KG)
FBE2H040A1	400	1	1½ (38.1)					⅜ (4.7)	.63 (.286)
FBE2H070A1	700	2	1½ (38.1)					¼ (6.4)	.97 (.440)
FBE2H090A1	900	3	1½ (38.1)					11/32 (8.7)	1.30 (.590)
FBE2H110A1	1100	4	1½ (38.1)	1½ (38.1)	⅝ (15.9)	1¾ (44.4)	⅝ (14.3)	⅜ (9.5)	1.66 (.753)
FBE2H150A1	1500	6	1½ (38.1)					½ (12.7)	2.26 (1.025)
FBE2H170A1	1700	9	1¾ (39.6)					¾ (19)	3.71 (1.683)
FBE2H200A1	2000	13	1¾ (39.6)					1 (25.4)	5.21 (2.363)

\* Temperature rise test per CEI60694, IEEE/ANSI C37.34-1994.

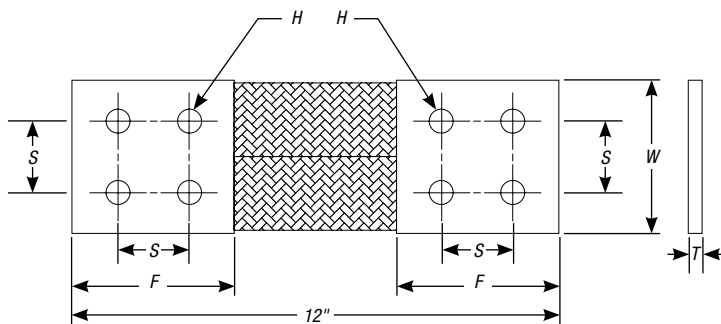
**Note:** Standard total lengths are 12". For different lengths, add your desired length to the end of the catalog number (e.g., FBE2H040A1-16 for 16" long). Ferrules are tinned. For other options, please consult your Thomas & Betts representative.

## Flexible Braids

Misalignments? Now you can properly connect your equipment.

### 4-Hole NEMA Extra-Flexible Jumpers — FBE4H™ Series

- 36 AWG individual wires in braid construction for extra flexibility
- 99.9% pure copper ferrules on each end provide high conductivity
- Individual wires are tinned prior to weaving to deliver maximum protection from corrosion



CAT. NO.	AMPACITY Δ 65° C*	NO. OF BRAIDS IN ASSEMBLY	W IN. (MM)	F IN. (MM)	S IN. (MM)	H IN. (MM)	T IN. (MM)	WEIGHT LB. (KG)
FBE4H140A1	1400	4	3 (76.2)	3 (76.2)			¼ (6.4)	1.91 (.866)
FBE4H150A1	1500	6	3 (76.2)	3 (76.2)			1½ (8.7)	2.57 (1.166)
FBE4H235A1	2350	8	¾ (95.3)	4 (101.6)			⅜ (9.5)	4.00 (1.814)
FBE4H245A1	2450	12	¾ (95.3)	4 (101.6)	1¼ (44)	⅝ (14.3)	½ (12.7)	5.32 (2.413)
FBE4H250A1	2500	16	¾ (92.1)	4 (101.6)			⅝ (15.9)	6.60 (2.994)
FBE4H340A1	3400	30	4 (101.6)	4 (101.6)			⅞ (22.2)	11.36 (5.153)
FBE4H400A1	4000	40	4 (101.6)	4 (101.6)			1½ (28.6)	15.57 (7.062)

\* Temperature rise test per CEI60694, IEEE/ANSI C37.34-1994.

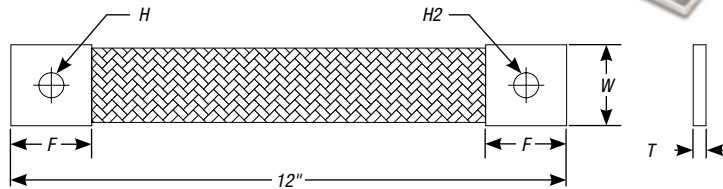
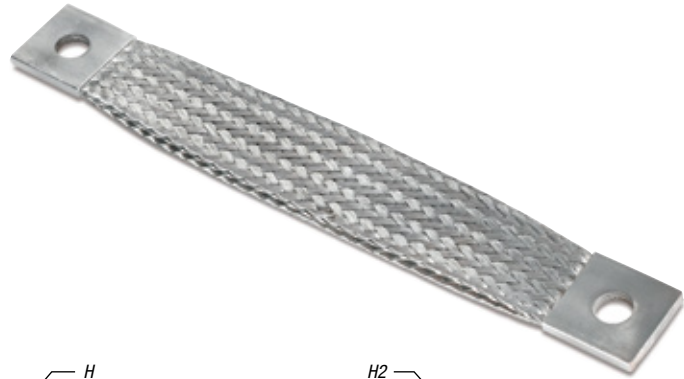
**Note:** Standard total lengths are 12". For different lengths, add your desired length to the end of the catalog number (e.g., FBE4H140A1-16 for 16" long). Ferrules are tinned. For other options, please consult your Thomas & Betts representative.

## Flexible Braids

Get the flexibility you need to connect transformers, generators or busbars.

### 1-Hole NEMA Flexible Jumpers — FBS1H™ Series

- 30 AWG individual wires in braid construction for flexibility with connections
- 99.9% pure copper ferrules on each end provide high conductivity
- Individual wires are tinned prior to weaving to deliver maximum protection from corrosion



#### FBS1H™ Series

CAT. NO.	AMPACITY Δ 65° C*	W IN. (MM)	F IN. (MM)	H IN. (MM)	H2 IN. (MM)	T IN. (MM)	WEIGHT LB. (KG)
FBS1H035A1	350	1¼ (31.8)	1½ (38.1)	¼ (14.3)	¼ (14.3)	¼ (6.4)	.48 (.218)
FBS1H035A2		1¼ (31.8)	1½ (38.1)	¼ (14.3)	¼ (11.1)		
FBS1H035A3		1¼ (31.8)	1½ (38.1)	¼ (11.1)	¼ (11.1)		
FBS1H055A1	500	1¾ (34.9)	1½ (38.1)	¼ (14.3)	¼ (14.3)	⅜ (5.6)	.63 (.286)
FBS1H055A2		1¾ (34.9)	1½ (38.1)	¼ (14.3)	¼ (11.1)		
FBS1H055A3		1¾ (34.9)	1½ (38.1)	¼ (11.1)	¼ (11.1)		
FBS1H070A1	700	1½ (38.1)	1½ (38.1)	¼ (14.3)	¼ (14.3)	¼ (6.4)	.95 (.431)
FBS1H070A2		1½ (38.1)	1½ (38.1)	¼ (14.3)	¼ (11.1)		
FBS1H070A3		1½ (38.1)	1½ (38.1)	¼ (11.1)	¼ (11.1)		
FBS1H070A4		2 (50.8)	2 (50.8)	¼ (14.3)	¼ (14.3)		
FBS1H100A1	1000	1¾ (44.4)	2 (50.8)	¼ (14.3)	¼ (14.3)	½ (12.7)	1.23 (.558)
FBS1H100A2		1¾ (44.4)	2 (50.8)	¼ (14.3)	¼ (11.1)		
FBS1H100A3		1¾ (44.4)	2 (50.8)	¼ (11.1)	¼ (11.1)		

\* Temperature rise test per CEI60694, IEEE/ANSI C37.34-1994.

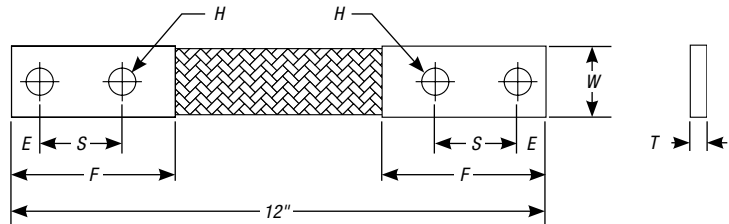
**Note:** Standard total lengths are 12". For different lengths, add your desired length to the end of the catalog number (e.g., FBS1H035A1-16 for 16" long). Ferrules are tinned. For other options, please consult your Thomas & Betts representative.

## Flexible Braids

These 2-hole jumpers make connections wherever there is severe vibration.

## 2-Hole NEMA Flexible Jumpers — FBS2H™ Series

- 30 AWG individual wires in braid construction for flexibility with connections
- 99.9% pure copper ferrules on each end provide high conductivity
- Individual wires are tinned prior to weaving to deliver maximum protection from corrosion



### FBS2H™ Series

CAT. NO.	AMPACITY Δ 65° C*	NO. OF BRAIDS IN ASSEMBLY	W IN. (MM)	F IN. (MM)	E IN. (MM)	S IN. (MM)	H IN. (MM)	T IN. (MM)	WEIGHT LB. (KG)
FBS2H040A1	400	1	1½ (38.1)					⅜ (4.7)	.63 (.286)
FBS2H070A1	700	2	1½ (38.1)					¼ (6.4)	.98 (.445)
FBS2H090A1	900	3	1½ (38.1)					1½/32 (8.7)	1.31 (.594)
FBS2H110A1	1100	4	1½ (38.1)	3½ (88.9)	⅝ (15.9)	1¼ (44.4)	⅝ (14.3)	⅜ (9.5)	1.67 (.757)
FBS2H150A1	1500	6	1½ (38.1)					½ (12.7)	2.29 (1.039)
FBS2H170A1	1700	9	1⅝ (39.6)					¾ (19)	3.76 (1.706)
FBS2H200A1	2000	13	1⅝ (39.6)					1 (25.4)	5.26 (2.386)

\* Temperature rise test per CEI60694, IEEE/ANSI C37.34-1994.

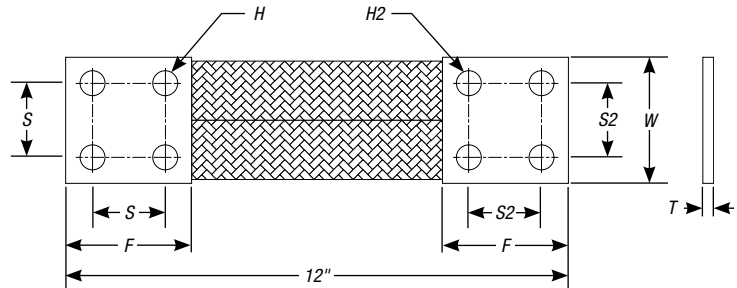
**Note:** Standard total lengths are 12". For different lengths, add your desired length to the end of the catalog number (e.g., FBS1H035A1-16 for 16" long). Ferrules are tinned. For other options, please consult your Thomas & Betts representative.

## Flexible Braids

Make the most secure connections wherever there is severe vibration or misalignment.

### 4-Hole NEMA Flexible Jumpers — FBS4H™ Series

- 30 AWG individual wires in braid construction for flexibility with connections
- 99.9% pure copper ferrules on each end provide high conductivity
- Individual wires are tinned prior to weaving to deliver maximum protection from corrosion



#### FBS4H™ Series

CAT. NO.	AMPACITY Δ 65° C*	W IN. (MM)	F IN. (MM)	S IN. (MM)	H IN. (MM)	S2 IN. (MM)	H2 IN. (MM)	T IN. (MM)	WEIGHT LB. (KG)		
FBS4H130A1	1300	3 (76.2)	3 (76.2)	1¾ (44.4)	⅞ (14.3)	1¾ (44.4)	⅞ (14.3)	¼ (6.4)	1.93 (.875)		
FBS4H130A2				1¾ (44.4)	⅞ (14.3)	1½ (38.1)	⅞ (11.1)				
FBS4H130A3				1½ (38.1)	⅞ (11.1)	1½ (38.1)	⅞ (11.1)				
FBS4H150A1	1500			3 (76.2)	3 (76.2)	1¾ (44.4)	⅞ (14.3)	1¾ (44.4)	⅞ (14.3)	⅝ (7.9)	2.62 (1.188)
FBS4H150A2						1¾ (44.4)	⅞ (14.3)	1½ (38.1)	⅞ (11.1)		
FBS4H150A3						1½ (38.1)	⅞ (11.1)	1½ (38.1)	⅞ (11.1)		
FBS4H215A1	2150	3 (76.2)	3 (76.2)			1¾ (44.4)	⅞ (14.3)	1¾ (44.4)	⅞ (14.3)	¾ (9.5)	3.31 (1.501)
FBS4H215A2						1¾ (44.4)	⅞ (14.3)	1½ (38.1)	⅞ (11.1)		
FBS4H215A3						1½ (38.1)	⅞ (11.1)	1½ (38.1)	⅞ (11.1)		
FBS4H235A1	2350			3 (76.2)	3 (76.2)	1¾ (44.4)	⅞ (14.3)	1¾ (44.4)	⅞ (14.3)	½ (12.7)	4.69 (2.127)
FBS4H235A2						1¾ (44.4)	⅞ (14.3)	1½ (38.1)	⅞ (11.1)		
FBS4H235A3						1½ (38.1)	⅞ (11.1)	1½ (38.1)	⅞ (11.1)		

\* Temperature rise test per CEI60694, IEEE/ANSI C37.34–1994.

**Note:** Standard total lengths are 12". For different lengths, add your desired length to the end of the catalog number (e.g., FBS4H130A1-16 for 16" long). Ferrules are tinned. For other options, please consult your Thomas & Betts representative.

**Blackburn® Compression**

# **Blackburn® Compression**

**In this section...**



## **Blackburn® Compression**

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**Thomas & Betts**

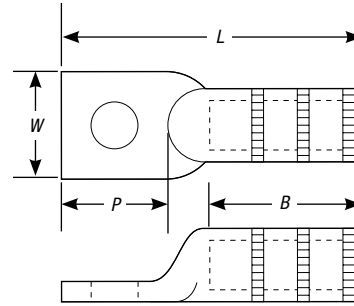
[www.tnb.com](http://www.tnb.com)

## Aluminum Lugs

General-purpose lugs for aluminum and copper terminations.

### Aluminum One-Hole NEMA Lugs

- Dual-rated for use with aluminum and copper conductors
- Made from aluminum for high strength and high conductivity
- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- All lugs marked with conductor sizes and die references for easy identification
- Meets or exceeds ANSI C119.4 specifications



CAT. NO.	CONDUCTOR RANGE			BOLT SIZE	INSTALLING DIES	B	L	P	W	
	CONCENTRIC	COMPRESSED	COMPACT							ACSR
AL 6-14	#6	—	—	—	¼	TP, 29, 161, ¾	¾	2½/32	7/8	¾
AL 4-516	#4	—	—	—	¾/16	TB, 37, 375, 162	15/16	2¼	3½/32	5/8
AL 4-14		—	—	—	¼	TB, 37, 375, 162	15/16	2¼	3½/32	5/8
AL 2-14	#2	—	—	—	¼	TQ, 45, 348, 163, ½, 6A	59/64	2¾	1½/32	¾
AL 2-38		—	—	—	¾/8	TQ, 45, 348, 163, ½, 6A	59/64	2¾	1½/32	¾
AL 1-38	#1	—	—	—	¾/8	TQ, 45, 348, 163, ½, 6A	59/64	2¾	1½/32	¾
AL 1/0-38	1/0	—	—	—	¾/8	TU, 52, BG, 243, ¾	1¾	3½	19/16	7/8
AL 1/0-48		—	—	—	½	TU, 52, BG, 243, ¾	1¾	3½	19/16	7/8
AL 2/0-38	2/0	—	—	—	¾/8	TW-TY, 58, 297, 5/8-1	15/16	311/16	17/32	15/16
AL 2/0-48		—	—	—	½	TW-TY, 58, 297, 5/8-1	15/16	311/16	17/32	15/16
AL 3/0-38	3/0	—	—	—	¾/8	737, 467	19/16	37/16	19/16	11/16
AL 3/0-48		—	—	—	½	737, 467	19/16	37/16	19/16	11/16
AL 4/0-38	4/0	—	—	—	¾/8	TX, 71H, 298, 840, 11A	17/16	37/16	11½/32	1¾
AL 4/0-48		—	—	—	½	TX, 71H, 298, 840, 11A	17/16	37/16	11½/32	1¾
AL 250-48	250, 4/0	—	—	4/0	½	TX, 76, 249, 840, 11A	19/16	3¾	19/16	115/64
AL 300-48	300, 266.8	—	350	266.8 (18/1)	½	TH, 87H, 251, 470, 1, 12A	23/16	4	19/16	1¾
AL 350-48	350, 336.4	—	400	266.8 (26/7), 336.4 (18/1)	½	96, 299, 655, 1½-1, 13A	23/16	4¼	19/16	1½
AL 400-48	400, 397.5	—	—	336.4 (26/7), 397.5 (18/1)	½	96, 299, 655, 1½-1, 13A	2½	47/8	1¼	1¾
AL 400-58		—	—	336.4 (26/7), 397.5 (18/1)	¾	96, 299, 655, 1½-1, 13A	2½	47/8	1¼	1¾
AL 500-48	500, 477	—	600	379.5 (26/7), 477 (18/1)	½	106A, 300, 317, 19/16, 14A	3	57/16	1½	1¾
AL 500-58		—	600	379.5 (26/7), 477 (18/1)	5/8	106A, 300, 317, 19/16, 14A	3	57/16	1½	1¾
AL 600-48	600, 550	—	—	477 (26/7), 556.5 (18/1)	½	115H, 115H, 786, 936, 473	3	521/32	19/16	115/16
AL 600-58		—	—	477 (26/7), 556.5 (18/1)	5/8	115H, 115H, 786, 936, 473	3	521/32	19/16	115/16
AL 750-48	750, 700	—	—	636 (26/7)	½	140H, 301, 342, 1½	3¾	6¾	19/16	1¾
AL 750-58		—	—	636 (26/7)	¾	140H, 301, 342, 1½	3¾	6¾	19/16	1¾
AL 800-48	800	—	—	—	½	1½, 474, 140H	39/16	6¾	23/32	1¾
AL 800-58		—	—	—	5/8	1½, 474, 140H	39/16	6¾	23/32	19/16
AL 1000-48	1000, 954	—	—	795 (26/7), 954 (45/7)	½	161, 292, 302, 319, 1¾	4¾	715/16	19/16	27/16
AL 1000-58		—	—	795 (26/7), 954 (45/7)	5/8	161, 292, 302, 319, 1¾	4¾	715/16	19/16	27/16

**Note:** For tin plating, add "TN" suffix to the catalog number. All tin-plated lugs are UL Listed through 1000 kcmil.  
For straight lugs with tapered ends used in high-voltage applications, please consult your Thomas & Betts representative.

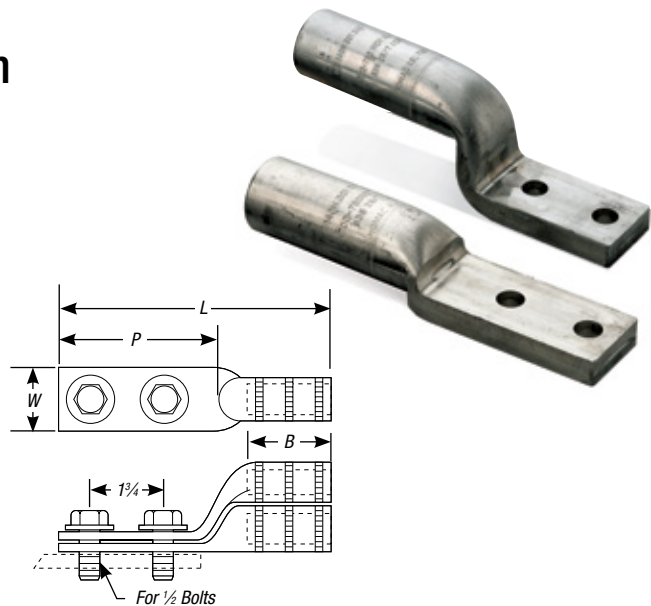


## Aluminum Lugs

General-purpose lugs for aluminum and copper terminations.

### Aluminum Two-Hole NEMA Lugs

- Dual-rated for use with aluminum and copper conductors
- Made from aluminum for high strength and high conductivity
- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- All lugs marked with conductor sizes and die references for easy identification
- Meets or exceeds ANSI C119.4 specifications



STRAIGHT LUG CAT. NO.	STACKING LUG CAT. NO.	CONDUCTOR RANGE				BOLT SIZE	INSTALLING DIES	B	L	P	W
		CONCENTRIC	COMPRESSED	COMPACT	ACSR						
SA 6 N	ASL 6 N	#6	#6	#6, #4	#6	4	TU, 52, BG, 243, 5/8, CSA 22	1 1/2	5 1/4	3 1/16	7/8
SA 4 N	ASL 4 N	#4	#4	—	#4	2	TU, 52, BG, 243, 5/8, CSA 22	1 1/2	5 1/4	3 1/16	7/8
SA 2 N	ASL 2 N	#2-#1	#1	#1	#2	1/0	TU, 52, BG, 243, 5/8, CSA 22	1 1/2	5 1/4	3 1/4	1
AL 1/0 N	ASL 1/0 N	1/0	—	2/0	1/0	2/0	TU, 52, BG, 243, 5/8	1 1/2	5 1/4	3 1/16	7/8
AL 2/0 N	ASL 2/0 N	2/0	—	—	—	—	TW-TY, 58, 297, 5/8-1	1 1/2	5 1/4	3 1/16	1 1/16
AL 3/0 N	ASL 3/0 N	3/0	—	—	—	—	TV, 66, 167, 467, 10A	1 1/16	5 1/2	3 1/4	1 1/16
AL 4/0 N	ASL 4/0 N	4/0	—	—	—	—	TX, 71H, 298, 840, 11A	1 1/16	6	3 11/32	1 15/64
AL 250 N	ASL 250 N	250, 4/0	—	250-300	4/0 (6/1)	—	TX, 76, 249, 840, 11A	1 1/16	6	3 11/32	1 15/64
AL 300 N	ASL 300 N	300, 266.8	—	350	266.8 (18/1)	—	TH, 87H, 251, 470, 1, 12A	2 1/16	6 3/16	3 1/16	1 11/32
AL 350 N	ASL 350 N	350, 336.4	—	—	266.8 (26/7), 336.4 (18/1)	—	96, 299, 655, 1 1/8-1, 705, 13A	2 1/16	6 3/16	3 1/16	1 1/4
AL 336 NSC	—	397.5-400	—	—	336.4 (26/7), 397.5 (18/1)	—	11/4, 99H, 317, 20AH	4 3/16	9	3 1/16	1 21/32
AL 400 N	ASL 400 N	400, 397.5	—	—	336.4 (26/7), 397.5 (18/1)	—	96, 472, 655, 1 1/8-1, 1 1/8-2, 705, 316 13A	2 1/16	7 1/16	3 3/16	1 1/4
AL 500 N	ASL 500 N	500, 477	—	500-600	397.5 (26/7), 477 (18/1)	—	106A, 300, 317, 1 1/8, 14A, 15A	2 1/16	8 1/4	3 3/16	1 1/4
AL 500 N 608	—	500, 477	—	600	397.5 (26/7), 477 (18/1)	—	608	3 1/8	8 1/4	3 3/16	1 1/4
AL 600 N	ASL 600 N	600, 550	—	—	477 (26/7), 556.5 (18/1)	—	1 1/16, 115H, 786, 936, 473	2 1/16	7 3/4	3 3/8	1 1/4*
AL 700 N 608	—	700, 600	—	700-795	—	—	125H, 608	3 1/16	7 3/8	3 1/2	1 1/4
AL 750 N	ASL 750 N	750, 700	—	—	636 (26/7)	—	140H, 301, 342, 1 1/2	3 1/16	8 1/4	3 3/4	1 1/4*
AL 750 N 608	ASL 750 N 608	750, 700	—	—	636 (26/7)	—	125H, 608	3 3/8	8 1/4	3 3/8	1 1/4
AL 800 N	ASL 800 N	800, 795	—	—	663 (30/19), 715.5 (54/7)	—	140H, 474, 342, 724, 1 1/2	3 1/32	8 3/16	3 3/8	1 1/4*
AL 800 N 608	—	800, 700	—	—	636 (30/19), 715.5 (54/7)	—	608	3 3/8	8 1/4	3 3/8	1 1/4
AL 1000 N	ASL 1000 N	1000, 954	—	—	795 (26/7, 30/19), 954 (45/7)	—	161, 292, 302, 319, 1 1/4	4 1/16	8 3/16	3 3/8	2 1/16
AL 1000 SSN	ASL 1000 SSN	1000	—	—	—	—	161, 292, 302, 319, 1 1/4	4 1/16	9 3/8	1 3/8	2 1/16
AL 1000 NMSNP	—	1000	—	—	—	—	161, 292, 302, 319, 1 1/4	4 1/16	9 1/2	3 3/8	1 3/4
AL 954 NMSNP	—	—	—	—	954 (54/7)	—	161, 292, 302, 319, 1 1/4	4 1/16	9 3/8	3 3/8	1 3/4
AL 1250 N	ASL 1250 N	1200-1300	—	—	1113 (45/7), 1192.5 (45/7)	—	161, 727, 352	4 1/16	9 11/16	3 3/8	2 21/32
AL 1750 N	ASL 1750 N	1750	—	—	—	—	214, 735, 225	5 1/2	10 3/8	3 3/8	3 13/32
AL 2000 N	ASL 2000 N	2000	—	—	—	—	479	6 1/16	11 15/16	3 3/8	3 31/32

\* Trimmed to 1/4" maximum to fit side by side on NEMA spades.

Note: For tin plating, add "TN" suffix to the catalog number. All tin-plated lugs are UL Listed through 2000 kcmil.

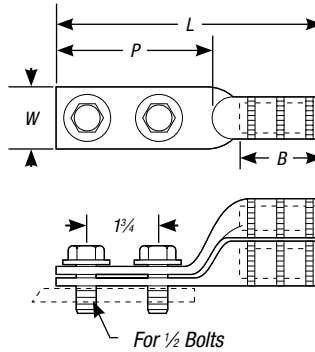
For straight lugs with tapered ends used in high-voltage applications, please consult your Thomas & Betts representative.

## Aluminum Lugs

General-purpose lugs for aluminum and copper terminations.

### Aluminum Tin-Plated Two-Hole NEMA Lugs

- Dual-rated for use with aluminum and copper conductors
- Aluminum provides high strength and high conductivity
- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- All lugs marked with conductor sizes and die references for easy identification
- All lugs meet or exceed ANSI C119.4 specifications



STRAIGHT LUG CAT. NO.	STACKING LUG CAT. NO.	CONDUCTOR RANGE					INSTALLING DIES	B	L	P	W
		CONCENTRIC	COMPRESSED	COMPACT	ACSR	SOLID					
SA 6 NTN	ASL 6 NTN	#6	#6	#6, #4	#6	#4	TU, 52, BG, 243, 5/8, CSA 22	1 1/2	5 1/4	3 1/16	7/8
SA 4 NTN	ASL 4 NTN	#4	#4	—	#4	#2	TU, 52, BG, 243, 5/8, CSA 22	1 1/2	5 1/4	3 1/16	7/8
SA 2 NTN	SAL 2 NTN	#2-#1	#1	#1	#2	1/0	TU, 52, BG, 243, 5/8, CSA 22	1 1/2	5 1/4	3 1/4	1
AL 1/0 NTN*	ASL 1/0 NTN*	1/0	—	2/0	1/0	2/0	TU, 52, BG, 243, 5/8	1 1/2	5 1/4	3 3/16	7/8
AL 2/0 NTN*	ASL 2/0 NTN*	2/0	—	—	—	—	TW-TY, 58, 297, 5/8-1	1 1/2	5 1/4	3 3/16	1 1/16
AL 3/0 NTN*	ASL 3/0 NTN*	3/0	—	—	—	—	TV, 66, 167, 467, 10A	1 7/16	5 1/2	3 1/4	1 1/16
AL 4/0 NTN*	ASL 4/0 NTN*	4/0	—	—	—	—	TX, 71H, 298, 840, 11A	1 15/16	6	3 11/32	1 15/64
AL 250 NTN*	ASL 250 NTN*	250, 4/0	—	250-300	4/0 (6/1)	—	TX, 76, 249, 840, 11A	1 15/16	6	3 11/32	1 15/64
AL 300 NTN*	ASL 300 NTN*	300, 266.8	—	350	266.8 (18/1)	—	TH, 87H, 251, 470, 1, 12A	2 3/16	6 5/16	3 3/16	1 11/32
AL 350 NTN*	ASL 350 NTN*	350, 336.4	—	—	266.8 (26/7), 336.4 (18/1)	—	96, 299, 655, 1 1/8-1, 705, 13A	2 3/16	6 5/16	3 11/16	1 3/4
AL 336 NSCTN	—	397.5-400	—	—	336.4 (26/7), 397.5 (18/1)	—	1 1/4, 99H, 317, 20AH	4 3/16	9	3 11/16	1 21/32
AL 400 NTN*	ASL 400 NTN*	400, 397.5	—	—	336.4 (26/7), 397.5 (18/1)	—	96, 472, 655, 1 1/8-1, 1 1/8-2, 705, 316, 13A	2 1/16	7 7/16	3 3/16	1 3/4
AL 500 NTN*	ASL 500 NTN*	500, 477	—	500-600	397.5 (26/7), 477 (18/1)	—	106A, 300, 317, 1 1/16, 14A, 15A	2 5/16	8 1/4	3 3/16	1 3/4
AL 500 N 608 TN	—	500, 477	—	600	397.5 (26/7), 477 (18/1)	—	608	3 3/8	8 1/4	3 3/16	1 3/4
AL 600 NTN*	ASL 600 NTN*	600, 550	—	—	477 (26/7), 556.5 (18/1)	—	1 1/16, 115H, 786, 936, 473	2 5/16	7 3/4	3 3/8	1 3/4
AL 700 N 608 TN	—	700, 600	—	700-795	—	—	125H, 608	3 1/16	7 3/8	3 1/2	1 3/4
AL 750 NTN*	ASL 750 NTN*	750, 700	—	—	636 (26/7)	—	140H, 301, 342, 1 1/2	3 1/16	8 1/4	3 3/4	1 3/4
AL 750 N 608*	ASL 750 N 608*	750, 700	—	—	636 (26/7)	—	125H, 608	3 3/8	8 1/4	3 3/8	1 3/4
AL 800 NTN*	ASL 800 NTN*	800, 795	—	—	663 (30/19), 715.5 (54/7)	—	140H, 474, 342, 724, 1 1/2	3 11/32	8 5/16	3 3/8	1 3/4
AL 800 N 608 TN	—	800, 700	—	—	636 (30/19), 715.5 (54/7)	—	608	3 3/8	8 1/4	3 3/8	1 3/4
AL 954 NMS	—	—	—	—	954 (54/7)	—	161, 292, 302, 319, 1 3/4	4 1/16	9 3/8	3 3/8	1 3/4
AL 1000 NTN*	ASL 1000 NTN*	1000, 954	—	—	795 (26/7, 30/19), 954 (45/7)	—	161, 292, 302, 319, 1 3/4	4 9/16	8 9/16	3 3/8	2 1/16
AL 1000 SSNTN	ASL 1000 SSNTN	1000	—	—	—	—	161, 292, 302, 319, 1 3/4	4 9/16	9 7/8	1 7/8	2 1/16
AL 1000 NMS	—	1000	—	—	—	—	161, 292, 302, 319, 1 3/4	4 1/16	9 1/2	3 3/8	1 3/4
AL 1250 NTN	ASL 1250 NTN	1200-1300	—	—	1113 (45/7), 1192.5 (45/7)	—	161, 727, 352	4 1/16	9 11/16	3 3/8	2 11/32
AL 1750 NTN	ASL 1750 NTN	1750	—	—	—	—	214, 735, 225	5 1/2	10 7/8	3 3/8	3 11/32
AL 2000 NTN	ASL 2000 NTN	2000	—	—	—	—	479	6 1/16	11 15/16	3 3/8	3 11/32

\* UL Listed.

Note: For two-hole lugs without tin plating, see **previous page**.

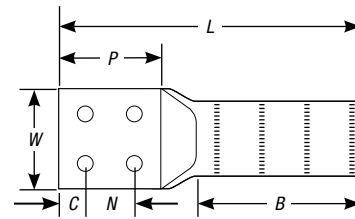
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## Aluminum Lugs

General-purpose lugs for aluminum and copper terminations.

### Aluminum Four-Hole NEMA Lugs

- Dual-rated for use with aluminum and copper conductors
- Made from aluminum for high strength and high conductivity
- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- All lugs marked with conductor sizes and die references for easy identification



CAT. NO.	CONCENTRIC	ACSR	INSTALLING DIES	B	N	C	W	P	L
AL 1000-4N	1000	—	161, 302, 292, 319, 1¼	4 <sup>9</sup> / <sub>16</sub>	1¾	5 <sup>5</sup> / <sub>16</sub>	3	4	10
AL 14136 X	1033.5–1300	900–1113	161, 727, 352	7 <sup>1</sup> / <sub>16</sub>			3	4 <sup>1</sup> / <sub>4</sub>	13 <sup>3</sup> / <sub>4</sub>
AL 1033-4N	—	1033.5 (54/7)	34AH	6 <sup>7</sup> / <sub>16</sub>			3 <sup>3</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>16</sub>	12 <sup>3</sup> / <sub>4</sub>
AL 1250-4N	1250	—	161, 727, 352	4 <sup>5</sup> / <sub>8</sub>			3	3 <sup>3</sup> / <sub>16</sub>	10
AL 1272-4N	1272	—	161, 727, 352, 579	6 <sup>1</sup> / <sub>16</sub>			3	3 <sup>3</sup> / <sub>8</sub>	11 <sup>1</sup> / <sub>4</sub>
AL 1590-4N	1590	1272 (45/7)	728, 38AH, 189	8 <sup>7</sup> / <sub>16</sub>		3	3 <sup>3</sup> / <sub>8</sub>	13 <sup>1</sup> / <sub>2</sub>	
AL 1750-4N	1750	—	214, 735, 40AH, 225	6 <sup>1</sup> / <sub>16</sub>		3 <sup>1</sup> / <sub>2</sub>	3 <sup>3</sup> / <sub>4</sub>	12 <sup>3</sup> / <sub>8</sub>	
AL 2000-4N	1700–2000	1510.5–1590	214, 735, 40AH, 225	6 <sup>1</sup> / <sub>16</sub>		7 <sup>7</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>2</sub>	3 <sup>3</sup> / <sub>4</sub>	12 <sup>3</sup> / <sub>8</sub>
AL 2300-4N	2250–2300	2167 (72/7)	44AH	11 <sup>1</sup> / <sub>4</sub>		1 <sup>1</sup> / <sub>8</sub>	4	4 <sup>1</sup> / <sub>2</sub>	18 <sup>1</sup> / <sub>2</sub>
AL 2500-4N	2500	2156–2167	214	9 <sup>1</sup> / <sub>8</sub>		3 <sup>1</sup> / <sub>2</sub>	4	15 <sup>3</sup> / <sub>8</sub>	

**Note:** For tin-plating option, add "-TN" suffix to the catalog number.

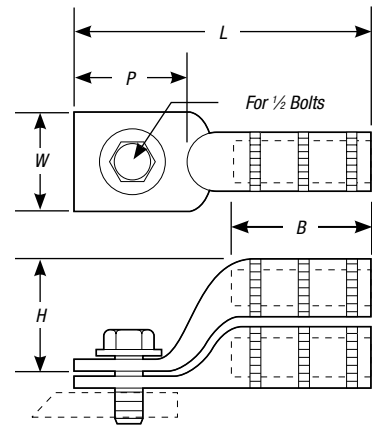
## Aluminum Lugs

Designed for general applications and for installation on Homac® 125 Series insulated buses.

### Aluminum One-Hole NEMA Lugs — Common Die Series



- Entire conductor range installed by four dies to reduce your die inventory
- Stacking lugs double terminal capacity of transformer spades and buses to save money
- Dual-rated for use with aluminum and copper conductors
- Made from aluminum for high strength and high conductivity
- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- All lugs marked with conductor sizes and die references for easy identification
- Meets or exceeds ANSI C119.4 specifications



STRAIGHT LUG CAT. NO.	STACKING LUGS CAT. NO.	CONDUCTORS — AL OR CU					INSTALLING DIES	B	H	L	P	W
		CONCENTRIC	COMPRESSED	COMPACT	SOLID	ACSR						
SA 12-48	—	#12	—	—	#12	—	TU, 52, BG, 243, 5%, CSA 22	23/32	—	29/16	1 1/4	7/8
SA 10-48	—	#12	—	—	#12	—						
SA 8-48	—	#8	—	—	#6	—						
SA 6-48	—	#6	#6	#4	#4	#6						
SA 4-48	—	#4	#4	#4	#2	#4						
SA 3-48	—	#2	#2	#1, #2	#1	—						
SA 2-48	SASL 2-48	#1, #2	#1	#1	1/0	#2						
SA 386-48	—	#1	1/0	1/0	—	—	1 1/2	3 3/8	1 1/16	—	—	
SA 1/0-48	SASL 1/0-48	1/0	1/0	2/0	—	1/0	1 1/2					
SA 2/0-48	SASL 2/0-48	2/0	2/0	3/0	3/0	2/0 (6/1)						
SA 3/0-48	SASL 3/0-48	3/0	4/0	4/0	—	3/0	TX, 76, 249, 840, 845, 11A, CSA 24	1 25/64	1 1/4	3 21/64	—	1 1/32
SA 4/0-48	SASL 4/0-48	4/0, 250	4/0, 250	250, 300	—	4/0		1 3/16				
SA 300-48	—	300	300	350	—	266.8 (18/1)	96, 299, 655, 321, 316, 13A, 1 1/2-1, 472, CSA 28	1 19/32	—	3 3/8	1 11/32	1 1/4
SA 350-48	—	336.4–350	350	400	—	266.8 (26/7), 336.4 (18/1)						
SA 400-48	—	336.4–400	400	500	—	336.4 (18/1), 397.5 (18/1)						

**Note:** For tin-plating option, add “-TN” suffix to the catalog number.  
 To order a stud size not specified with a terminal lug on this page, change the last two digits from “48” (designating a 1/2” stud) to “38” (for a 3/8” stud).

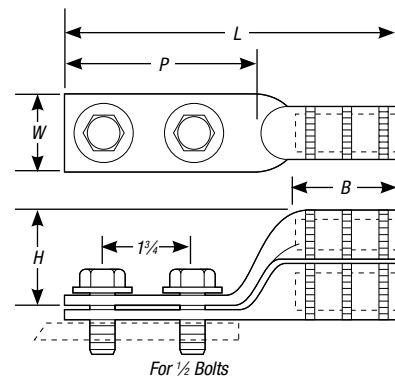
## Aluminum Lugs

Designed for general applications and for installation on Homac® 125-N Series insulated buses.

### Aluminum Two-Hole NEMA Lugs — Common Die Series



- Entire conductor range installed by four dies to reduce your die inventory
- Stacking lugs double terminal capacity of transformer spades and buses to save money
- Dual-rated for use with aluminum and copper conductors
- Made from aluminum for high strength and high conductivity
- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- All lugs marked with conductor sizes and die references for easy identification
- Meets or exceeds ANSI C119.4 specifications



STRAIGHT LUG CAT. NO.	STACKING LUGS CAT. NO.	CONDUCTORS — AL OR CU					INSTALLING DIES	B	H	L	P	W
		CONCENTRIC	COMPRESSED	COMPACT	SOLID	ACSR						
SA 8 N	—	#8	—	—	#6	—	TU, 52, BG, 243, 5/8, CSA 22	1 <sup>15</sup> / <sub>16</sub>	—	5 <sup>1</sup> / <sub>8</sub>	3 <sup>3</sup> / <sub>16</sub>	7 <sup>1</sup> / <sub>8</sub>
SA 6 N	SASL 6 N	#6	#6	#4	#4	#6		1 <sup>15</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>2</sub>	5 <sup>1</sup> / <sub>8</sub>	3 <sup>3</sup> / <sub>16</sub>	7 <sup>1</sup> / <sub>8</sub>
SA 4 N	—	#4	#4	#4	#2	#4		1 <sup>15</sup> / <sub>16</sub>	—	5 <sup>1</sup> / <sub>8</sub>	3 <sup>3</sup> / <sub>16</sub>	7 <sup>1</sup> / <sub>8</sub>
SA 3 N	—	#2	#2	#1, #2	#1	—		1 <sup>15</sup> / <sub>16</sub>	—	5 <sup>1</sup> / <sub>8</sub>	3 <sup>3</sup> / <sub>16</sub>	7 <sup>1</sup> / <sub>8</sub>
SA 2 N	—	#1, #2	#1	#1	1/0	#2		1 <sup>1</sup> / <sub>2</sub>	—	5 <sup>3</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>8</sub>	1
SA 386 N	—	#1, 1/0	#1, 1/0	1/0	—	#1		1 <sup>27</sup> / <sub>32</sub>	—	5 <sup>1</sup> / <sub>2</sub>	3	7 <sup>1</sup> / <sub>8</sub>
AL 1/0 N	ASL 1/0 N	1/0	1/0	2/0	2/0	1/0	TX, 76, 249, 840, 845, 11A, CSA 24	1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>2</sub>	5 <sup>1</sup> / <sub>4</sub>	3 <sup>3</sup> / <sub>16</sub>	7 <sup>1</sup> / <sub>8</sub>
SA 2/0 N	SASL 2/0 N	2/0	2/0	3/0	3/0	2/0 (6/1)		1 <sup>15</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>4</sub>	6	3 <sup>3</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>4</sub>
SA 3/0 N	SASL 3/0 N	3/0	4/0	4/0	—	3/0		1 <sup>15</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>4</sub>	6	3 <sup>3</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>32</sub>
SA 4/0 N	SASL 4/0 N	4/0, 250	4/0, 250	250, 300	—	4/0		1 <sup>15</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>16</sub>	6	3 <sup>3</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>32</sub>
SA 300 N	—	300	300	350	—	266.8 (18/1)		2 <sup>1</sup> / <sub>16</sub>	—	6 <sup>1</sup> / <sub>4</sub>	3	1 <sup>1</sup> / <sub>4</sub>
SA 350 N	—	336.4–350	350	400	—	266.8 (26/7), 336.4 (18/1)		96, 299, 655, 705, 321, 316, 13A, 1 <sup>1</sup> / <sub>2</sub> -1, 472, CSA 28	2 <sup>3</sup> / <sub>16</sub>	—	6 <sup>1</sup> / <sub>4</sub>	3
SA 400 N	—	336.4–400	400	500	—	336.4 (18/1), 397.5 (18/1)	2 <sup>1</sup> / <sub>16</sub>	—	6 <sup>3</sup> / <sub>8</sub>	3	1 <sup>1</sup> / <sub>4</sub>	

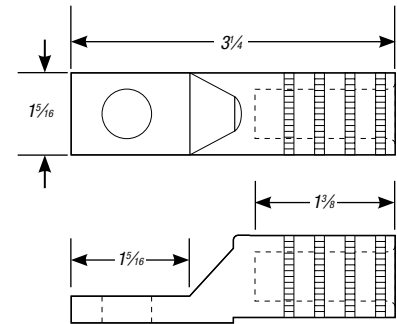
**Note:** For tin-plating option, add "-TN" suffix to the catalog number.

## Aluminum Lugs

Just one die installs the entire conductor range for meter pan and general applications.

### Aluminum Meter Socket Lugs — 840 Common Die Series

- All installation done with one die to reduce your die inventory
- Made from aluminum for high strength and high conductivity
- Dual-rated for use with aluminum and copper conductors
- Connector bores coated with oxide inhibitor to prevent oxidation
- All lugs marked with conductor sizes and die references for easy identification
- Lugs meet or exceed ANSI C119.4 specifications



½ BOLT CAT. NO.	¾ BOLT CAT. NO.	CONDUCTORS — AL OR CU				INSTALLING DIES
		CONCENTRIC	COMPRESSED	COMPACT	SOLID	
SAKM 6-48	SAKM 6-38	#6	#6	#6	—	840, 845, TX,76,249,11A
SAKM 4-48	SAKM 4-38	#4	#4	#4	—	
SAKM 2-48	SAKM 2-38	#2	#2	#2 & #1	#1	
SAKM1-48	SAKM 1-38	#1	#1	1/0	1/0	
SAKM 1/0-48	SAKM 1/0-38	1/0	1/0	2/0	2/0	
SAKM 2/0-48	SAKM 2/0-38	2/0	2/0	3/0	3/0	
SAKM 3/0-48	SAKM 3/0-38	3/0	3/0	4/0	—	
SAKM 4/0-48	SAKM 4/0-38	4/0	4/0	250	—	
SAKM 250-48*	SAKM 250-38*	250	250	300	—	
SAKM 300-48*	SAKM 300-38*	300	300	350	—	
SAKM 350-48*	SAKM 350-38*	350	350	—	—	

\* For aluminum conductors only.

**Note:** For tin-plating option, add "-TN" suffix to the catalog number.

## Aluminum Lugs

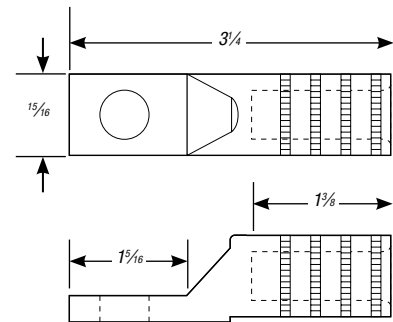
Dual-rated, corrosion-resistant lugs available with star holes.

### Aluminum Tin-Plated Meter Socket Lugs — Star Hole

- Made from aluminum for high strength and high conductivity
- Dual-rated for use with aluminum and copper conductors
- Tin plated to resist corrosion
- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture



MSL 350



Blackburn® Compression

CAT. NO.	CONDUCTOR SIZE	INSTALLING DIES	W	L	P	B
MSL 4	#4 str. cpt.	840, 845, TX, 76, 249, 11A	15/16	3/4	1 1/8	1 1/8
MSL 2	#2 str. cpt. sol.					
MSL 1/0	1/0 str. cpt.					
MSL 2/0	2/0 str. cpt.					
MSL 3/0	3/0 str. cpt.					
MSL 4/0	4/0 str. cpt.					
MSL 250	250 str. cpt.					
MSL 300	300 str. cpt.					
MSL 350	350 str. cpt.					
MSL 500	500 str.	106A, 300, 317, 1 1/8, 15A	1 3/4	4 7/8	1 3/4	3 1/8

## Aluminum Lugs

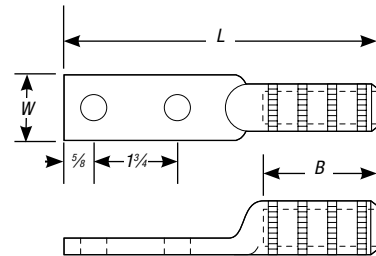
Lugs designed for general-purpose substation and switchyard equipment use.

### Aluminum Two-Hole NEMA Lugs — Common Die Series



SAB 500-N

- Entire conductor range installed by three common dies to reduce your die inventory
- Dual-rated for use with aluminum and copper conductors
- Made from aluminum for high strength and high conductivity
- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- All lugs marked with conductor sizes and die references for easy identification



CAT. NO.	CONCENTRIC	COMPRESSED	COMPACT	ACSR	INSTALLING DIES	L	W	B
SAK 4 N	#4	—	—	—	TX, 76, 249, 840, 11A	5 <sup>3</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>4</sub>	2
SAK 2 N	#1, #2	—	—	#2		5 <sup>3</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>4</sub>	2
SAK 1/0 N	1/0	2/0	2/0	1/0		5 <sup>3</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>4</sub>	2
SAK 300 N	—	—	350	—		6 <sup>1</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>16</sub>
SAK 350 N	350	—	—	—		6 <sup>1</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>16</sub>
SAB 3/0 N	3/0	—	—	3/0	96, 299, 655, 1 <sup>1</sup> / <sub>8</sub> -1, 13A	6 <sup>3</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>4</sub>
SAB 4/0 N	4/0, 250	—	—	4/0		6 <sup>3</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>4</sub>
SAB 250 N	266.8-300	—	—	266.8 (18/1)		6 <sup>3</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>4</sub>
SAB 500 N	477-500	—	600	397.5 (26/7, 30/7), 477 (18/1)		6 <sup>3</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>4</sub>
SAM 400 N	397.5-400	—	500	336.4 (30/7), 397.5 (18/1)		8 <sup>29</sup> / <sub>64</sub>	1 <sup>3</sup> / <sub>4</sub>	3 <sup>13</sup> / <sub>16</sub>
SAM 556 N	500-556	—	—	477 (26/7), 556.5 (18/1)	106, 300, 317, 1 <sup>1</sup> / <sub>16</sub> , 14A, 15A	8 <sup>3</sup> / <sub>8</sub>	1 <sup>3</sup> / <sub>4</sub>	3 <sup>7</sup> / <sub>32</sub>
SAM 600 N	600	—	—	—		8 <sup>3</sup> / <sub>8</sub>	1 <sup>3</sup> / <sub>4</sub>	3 <sup>7</sup> / <sub>32</sub>



## Aluminum Lugs

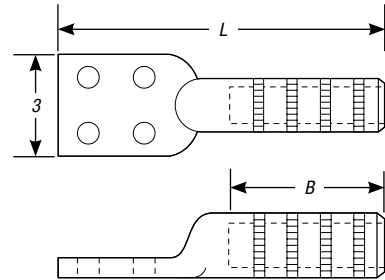
Durable four-hole lugs for general-purpose substation and switchyard equipment use.

### Aluminum Four-Hole NEMA Lugs — Common Die Series

- Entire conductor range installed by three common dies to reduce your die inventory
- Dual-rated for use with aluminum and copper conductors
- Made from aluminum for high strength and high conductivity
- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- All lugs marked with conductor sizes and die references for easy identification



SAM 500-4N



CAT. NO.	CONCENTRIC	COMPACT	ACSR	L	B	INSTALLING DIES	
SAM 3/0-4N*	3/0	—	—	8 $\frac{1}{8}$	3 $\frac{3}{16}$	1 $\frac{1}{16}$ , 300, 14A, 106, 317	
SAM 4/0-4N*	4/0	—	4/0	8 $\frac{1}{8}$	3 $\frac{3}{16}$		
SAM 250-4N*	250	—	—	8 $\frac{1}{8}$	3 $\frac{3}{16}$		
SAM 300-4N*	300	—	—	7 $\frac{7}{8}$	3 $\frac{21}{64}$		
SAM 350-4N*	336.4–350	—	266.8 (26/7), 336.4 (18/1)	7 $\frac{7}{8}$	3 $\frac{21}{64}$		
SAM 400-4N*	397.5–400	—	336.4 (30/7), 397.5 (18/1)	7 $\frac{7}{8}$	3 $\frac{21}{64}$		
SAM 500-4N*	500	—	—	8 $\frac{1}{4}$	3 $\frac{3}{16}$		
SAM 600-4N*	556.5–600	—	—	8 $\frac{1}{4}$	3 $\frac{3}{16}$		
SAL 500-4N*	500	—	477 (18/1)	8 $\frac{1}{4}$	3 $\frac{3}{8}$		140H, 301, 342, 1 $\frac{1}{2}$
SAL 600-4N	600	—	477 (24/7, 30/7)	7 $\frac{7}{8}$	3 $\frac{3}{8}$		
SAL 650-4N	600, 636, 650	—	556.5 (24/7, 26/7)	7 $\frac{7}{8}$	3 $\frac{3}{8}$		
SAL 750-4N	700–750	—	636 (26/7)	9	4 $\frac{1}{2}$		
SAL 800-4N	700–800	954	636 (26/7)	8 $\frac{3}{4}$	4 $\frac{1}{2}$		
SAL 1000-4N	1000	1000	795 (30/19), 874 (54/7)	8 $\frac{3}{4}$	4 $\frac{1}{2}$		
SAL 1033-4N	1033	—	900 (54/7), 954 (45/7)	9	4 $\frac{1}{2}$		

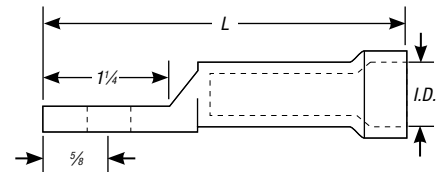
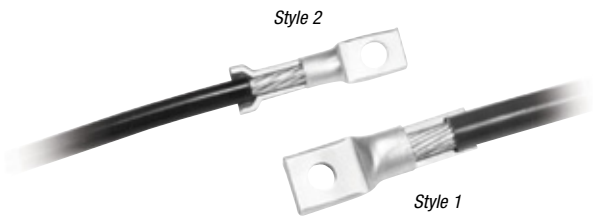
\* Designates two-piece welded design.

## Aluminum Lugs

If you need rain protection, these lugs have you covered.

### Aluminum Shrouded One-Hole Lugs — Common Die Series

- Rainshield protection for insulated cables prevents rainwater from entering cable
- Entire conductor range installed with three common dies to reduce your die inventory
- Made from aluminum for high strength and high conductivity
- Dual-rated for use with aluminum and copper conductors
- Connector bores coated with oxide inhibitor to prevent oxidation
- Marked with conductor sizes and die references for easy identification
- Meets or exceeds ANSI C119.4 specifications



CAT. NO.	CONDUCTOR SIZES		SHROUD I.D.	COMPRESSION DIE SIZE	L	STYLE
	CONCENTRIC	COMPACT				
<b>5/8" Compression Die Series</b>						
RSG 6-48	#6	—	.400	5/8, 8A, 243, TU, 52, BG	3/8	2
RSG 4-48	#4	#4	.450			
RSG 2-48	#2 & #1	#1	.635		3/8	1
RSG 1/0-48	1/0	2/0	.640			
<b>840 Compression Die Series</b>						
RSK 1/0-48	1/0	2/0	.640	840, 11A, 249, 76, TX	3/8	2
RSK 2/0-48	2/0	3/0	.750			
RSK 3/0-48	3/0	4/0	.750			
RSK 4/0-48	4/0	4/0	.750			
RSK 250-48	4/0-250	350	.812			
RSK 350-48	350	—	.927		4/16	1
<b>1 1/2" Compression Die Series</b>						
RSB 300-48	300	300	.927	1 1/2-1, 12A, 96, 299, 655	4/2	2
RSB 350-48	350	300	.927			

**Note:** For tin-plating option, add "-TN" suffix to the catalog number.  
 To order a terminal lug for a 5/8" stud, change a catalog number's "-48" suffix (designating a 1/2" stud) to a "-38" suffix.  
 To order with hardware as kits, add "-TMH" suffix to the catalog number.

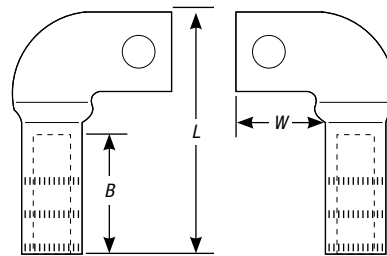
## Aluminum Lugs

For application in meter pans and in other metal-enclosed gear to enable easier wiring where clearances are minimal.



## Aluminum Tin-Plated One-Hole Lugs

- Made from aluminum for high strength and high conductivity
- Tin plated for resistance against corrosion
- Dual-rated for use with aluminum and copper conductors
- Connector bores coated with oxide inhibitor to prevent oxidation
- All lugs marked with conductor sizes and die references for easy identification
- Meets or exceeds ANSI C119.4 specifications



LEFT-HAND LUG CAT. NO.	RIGHT-HAND LUG CAT. NO.	CONDUCTOR SIZE			INSTALLING DIES	B	L	W
		CONCENTRIC	COMPRESSED	COMPACT				
AL 1/0-48 LTN	AL 1/0-48 RTN	1/0	1/0	2/0	5, BG, TU	1 $\frac{1}{8}$	2 $\frac{1}{16}$	1 $\frac{1}{8}$
AL 2/0-48 LTN	AL 2/0-48 RTN	2/0	2/0	—	15, 297, TW-TY	1 $\frac{1}{8}$	2 $\frac{1}{16}$	1 $\frac{1}{8}$
AL 3/0-48 LTN	AL 3/0-48 RTN	3/0	3/0	—	737, 467	1 $\frac{1}{8}$	3 $\frac{3}{4}$	1 $\frac{1}{8}$
AL 4/0-48 LTN	AL 4/0-48 RTN	4/0	4/0	—	840, 298, TX	1 $\frac{1}{2}$	4	1 $\frac{1}{4}$
AL 250-48 LTN	AL 250-48 RTN	250	250	300	840, 324, TX	1 $\frac{1}{8}$	4 $\frac{1}{8}$	1 $\frac{3}{4}$
AL 300-48 LTN	AL 300-48 RTN	300	300	350	1, 470, TH	1 $\frac{1}{8}$	4 $\frac{3}{8}$	1 $\frac{1}{2}$
AL 350-48 LTN	AL 350-48 RTN	350	350	350	1 $\frac{1}{8}$ -1, 299, 96	1 $\frac{1}{8}$	4 $\frac{3}{8}$	1 $\frac{1}{2}$
AL 400-48 LTN	AL 400-48 RTN	400	400	400	1 $\frac{1}{8}$ , 472, 96	2 $\frac{1}{2}$	5 $\frac{3}{4}$	1 $\frac{1}{2}$
AL 500-48 LTN	AL 500-48 RTN	500	500	500	1 $\frac{1}{16}$ , 300, 106A	2 $\frac{1}{2}$	5 $\frac{3}{4}$	1 $\frac{1}{2}$
AL 750-48 LTN	AL 750-48 RTN	700-750	800	800	1 $\frac{1}{2}$ , 301, 140H	3 $\frac{1}{4}$	6 $\frac{3}{8}$	3 $\frac{1}{2}$

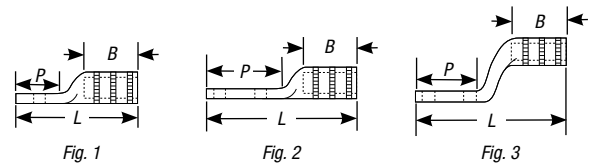
**Note:** For NEMA-drilled lugs, substitute a "-NLTN" suffix for a "-48 xTN" suffix to the catalog number.  
Thus AL 350-48 RTN becomes AL 350-NLTN. NEMA drilling is 2 $\frac{1}{16}$ " holes on 1 $\frac{1}{4}$ " centers.

## Aluminum Lugs

Save yourself a die job with these multi-range lugs.

### Aluminum Multi-Range Die-Less Lugs

- Made from aluminum for high strength and high conductivity
- Tin plated for resistance against corrosion
- Dual-rated for use with aluminum and copper conductors
- Connector bores coated with oxide inhibitor to prevent oxidation
- All lugs marked with conductor sizes for easy identification



CAT. NO.	CONDUCTOR RANGE ALUM. OR COPPER	TOOL	FIGURE	BOLT SIZE	B	L	P
AL 1/0-48 TN	#6 str.-1/0 str.	VC 5/VC 6	1	1/2	1 3/8	3 3/16	1 1/16
AL 1/0 NTN	#6 str.-1/0 str.		2		1 3/8	5 1/4	3 3/4
ASL 1/0 NTN	#6 str.-1/0 str.		3		1 3/8	5 1/4	3
AL 4/0-48 TN	#2 str.-4/0 str.	1	1 7/16		3 3/16	1 3/8	
AL 4/0 NTN	#2 str.-4/0 str.	2	2		6	3 5/16	
ASL 4/0 NTN	#2 str.-4/0 str.	3	2		6	3	
AL 300-48 TN	1/0 str.-300	VC 6	1		2 1/4	4	1 1/16
AL 300 NTN	1/0 str.-300		2		2 1/4	6 7/16	3 3/16
AASL 300 NTN	1/0 str.-300		3		2 1/4	6 7/16	3
SAB 500-48 TN	4/0 str.-500	VC 8	1		2 1/2	4 9/16	1 1/2
SAB 500 NTN	4/0 str.-500		2		2 1/4	6 3/8	3 3/8
AASL 500 NTN	4/0 str.-500		3		2 1/2	6 7/8	2 7/8
AL 750 N 608 TN	4/0 str.-750		2		3 3/4	8 1/4	3 3/8

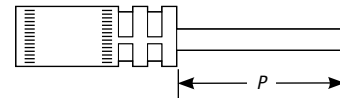
**Note:** To order a stud size not specified here with a terminal lug, substitute a "-58" suffix (designating a 5/8" stud) for a "-48" suffix (designating a 1/2" stud) to the catalog number.

## Aluminum Lugs

The pins you need for hassle-free terminations.

### Aluminum Pin Terminals

- Made from pure electrolytic aluminum and soft-drawn, tinned, solid copper wire for the high strength and conductivity of aluminum and the flexibility of copper
- Offer bi-metallic transitions from all aluminum, ACSR and aluminum-alloy conductors to copper clamp-type equipment bushings to eliminate compatibility problems with connections



Blackburn® Compression

CAT. NO.	CONDUCTOR SIZE	DECIMAL RANGE		TOOL	CU PIN	P
		MIN. O.D.	MAX. O.D.			
PTA 1/0	#10 sol.-1/0 ACSR	.102	.398	VC 5/6	#2	6
PTA 4/0	#4 sol.-4/0 ACSR	.204	.563	VC 5/6	2/0	
PTA 350	2/0 str.-336.4 (18/1) ACSR	.414	.684	VC 6	4/0	

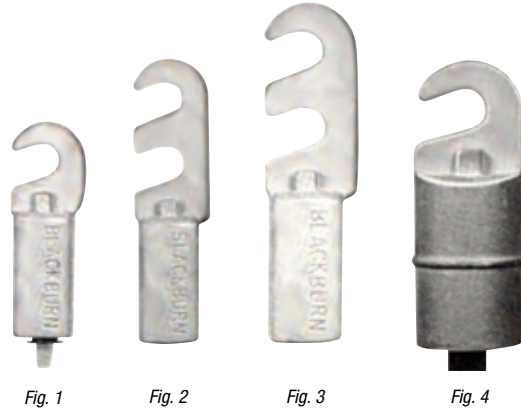
**Note:** For tin-plating option, add "-TN" suffix to the catalog number.  
For other pin lengths, please contact your Thomas & Betts representative.

## Aluminum Lugs

Compress these lugs with standard tools and dies.

### Slotted-Tang Compression Terminal Lugs

- Dual-rated for use with a wide range of aluminum and copper conductors
- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- Small boss on both sides of lug tang fits the indent on the bus, preventing the lug from rotating
- Slot enables lug to be bolted to the bus, so the bus doesn't have to be removed
- RUS Accepted



CAT. NO.	COLOR CODE	CONDUCTOR SIZE			FIG. NO.	INSTALLATION DIES	
		CONCENTRIC	COMPRESSED COMPACT	SOL.		MECH. TOOLS	HYDR. TOOLS
LAC6	Blue	#6 str.	#6	#5 sol.	1	BY37, 840	B49EA, U-K840
LAC4	Orange	#4 str.	#4	#3 sol.			
LAC3	Purple	#3 str.	—	#2 sol.			
LAC2	Red	#2 str.	#2	#1 sol.			
LAC1	White	#1 str.	#1	1/0 sol.			
LAC10	Yellow	1/0 str.	1/0	2/0 sol.	2	BY37, 840U	B49EA, K840
LAC20	Gray	2/0 str.	2/0	3/0 sol.			
LAC30	Black	3/0 str.	3/0	4/0 sol.			
LAC40	Pink	4/0 str.	4/0	—			
LAC42	Orange	#4 str.	#4	#3 sol.			
LAC32	Purple	#3 str.	—	#2 sol.			
LAC22	Red	#2 str.	#2	#1 sol.			
LAC12	White	#1 str.	#1	1/0 sol.			
LAC102	Yellow	1/0 str.	1/0	2/0 sol.			
LAC202	Gray	2/0 str.	2/0	3/0 sol.			
LAC302	Black	3/0 str.	3/0	4/0 sol.	3	—	B80EA, 1.1, 655
LAC402	Pink	4/0 str.	4/0	—			
LAC25	Green	350, 266.6	250	—			
LAC35	Brown	300, 350	350	—			
LAC50	Aqua	400, 500	500	—			
LAC125	Green	250, 266.8	250	—	4	—	B80EA, 1.1, 655
LAC135	Brown	300, 350	350	—			
LAC150	Aqua	400, 500	500	—			

## Aluminum Lugs

Corrosion-resistant one- and two-hole lugs for ACSR and aluminum conductors.

## Bi-Metallic Lugs

- Aluminum barrel provides high strength
- Tin-plated copper pad provides high conductivity and corrosion resistance
- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture



### CPL Series — One-Hole

CAT. NO.	CONDUCTOR SIZE		BOLT SIZE
	ACSR	AL	
CPL 4-48	#4	#4	1/2
CPL 2-48	#2	#2	
CPL 1/0-48	1/0	1/0	
CPL 4/0-48	4/0	4/0	

### CPL-N Series — Two-Hole

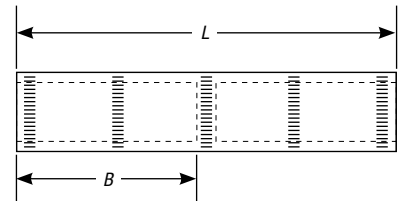
CAT. NO.	CONDUCTOR SIZE		BOLT SIZE
	ACSR	AL	
CPL 4 N	#4	#4	1/2
CPL 2 N	#2	#2	
CPL 1/0 N	1/0	1/0	
CPL 2/0 N	2/0	2/0	
CPL 3/0 N	3/0	3/0	
CPL 4/0 N	4/0	4/0-250	
CPL 300 N	266.8	266.8-300	
CPL 350 N	336.4	336.4-350	
CPL 477 N	397.5	396.5-477	
CPL 556 N	477	500-556.5	
CPL 600 N	556.5	600	
CPL 800 N	605-666.6	715.5-800	
CPL 1000 N	715.5-874.5	874.5-1000	
CPL 1113 N	900-1113	1033.5-1113	
CPL 2000 N	1780-1900	2000	

## Aluminum Splices

For general applications.

### Aluminum Tin-Plated Straight Splices

- Made from aluminum for high strength and high conductivity
- Solid center stop ensures proper cable insertion
- Dual-rated for use with aluminum and copper conductors
- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- All splices marked with conductor sizes and die references for easy identification
- Meet or exceed ANSI C119.4 specifications; splices with tin plating are UL® Listed through 1000 kcmil



CAT. NO.	CONCENTRIC	COMPACT	ACSR	L	B	INSTALLING DIES
ASC 6	#6	—	—	1 $\frac{5}{8}$	$\frac{3}{4}$	TP, 29, 161, $\frac{5}{16}$
ASC 4	#4	—	—	2	1	TB, 37, 375, 162
ASC 2	#2	—	—	2	$\frac{15}{16}$	TQ, 45, 348, 163, $\frac{1}{2}$ , 6A
ASC 1	#1	—	—	2	$\frac{15}{16}$	TQ, 45, 348, 163, $\frac{1}{2}$
ASC 1/0	1/0	—	—	2 $\frac{1}{4}$	$\frac{3}{32}$	TU, 52, BG, 243, $\frac{5}{8}$
ASC 2/0	2/0	—	—	2 $\frac{5}{16}$	$\frac{13}{32}$	TW-TY, 58, 297, $\frac{5}{8}$ -1
ASC 3/0	3/0	—	—	2 $\frac{3}{4}$	$\frac{1}{4}$	TV, 66, 167, 467, 10A
ASC 4/0	4/0	—	—	2 $\frac{3}{4}$	$\frac{13}{16}$	TX, 71H, 298, 840, 11A
ASC 250	4/0-250	300	4/0	2 $\frac{5}{16}$	$\frac{1}{8}$	TX, 76, 249, 840, 11A
ASC 300	266.8-300	350	266.8 (18/1)	$\frac{3}{8}$	$\frac{1}{16}$	TH, 87H, 251, 470, 1, 12A
ASC 350	336.4-350	400	266.8 (26/7), 336.4 (18/1)	$\frac{3}{8}$	$\frac{139}{64}$	96, 299, 655, $\frac{1}{8}$ -1, 13A
ASC 400	397.5-400	—	336.4 (26/7), 397.5 (18/1)	$\frac{3}{4}$	$\frac{1}{4}$	96, 472, 655, $\frac{1}{8}$ -1, 13A
ASC 500	477-500	600	397.5 (26/7), 477 (18/1)	$\frac{3}{8}$	$\frac{127}{32}$	106A, 300, 317, $\frac{1}{16}$ , 14A
ASC 600	550-600	—	477 (26/7), 556.5 (18/1)	$\frac{4}{8}$	$\frac{15}{16}$	$\frac{1}{16}$ , 115H, 786, 936, 473
ASC 750	700-750	—	636 (26/7)	4 $\frac{1}{16}$	$\frac{27}{32}$	140H, 301, 342, $\frac{1}{2}$
ASC 750-608*	700-750	—	636 (26/7)	4 $\frac{1}{16}$	$\frac{27}{32}$	125H, 608, 786, $\frac{1}{2}$ , 936
ASC 800	800	—	—	4 $\frac{3}{4}$	$\frac{2}{4}$	140H, 342, 474, $\frac{1}{2}$
ASC 1000	954-1000	—	795 (26/7), 954 (45/7)	5 $\frac{1}{4}$	$\frac{23}{8}$	161, 292, 302, 319, $\frac{13}{4}$
ASC 1250	1250	—	—	8	$\frac{31}{16}$	161, 727, 352, $\frac{1}{8}$
ASC 1500	1500	—	—	6 $\frac{1}{2}$	$\frac{31}{8}$	189, 478, 728

\* Not UL Listed.

**Note:** For splices with tin plating, add "-TN" suffix to the catalog number.  
Splices with tin plating are UL Listed through 1000 kcmil.

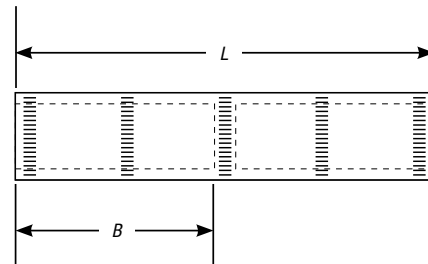


## Aluminum Splices

Splices for general applications.

### Aluminum Straight Splices

- Made from aluminum for high strength and high conductivity
- Solid center stop ensures proper cable insertion
- Dual-rated for use with aluminum and copper conductors
- Connector bores coated with oxide inhibitor and capped to prevent oxidation and keep out moisture
- All splices marked with conductor sizes and die references for easy identification
- Meets or exceeds ANSI C119.4 specifications; all tin-plated splices are UL® Listed



CAT. NO.	CONCENTRIC	COMPACT	ACSR	L	B	INSTALLING DIES
AC 4	#4	—	—	2¼	1	TB, 37, 375
AC 2	#2	—	—	3 <sup>15</sup> / <sub>32</sub>	1 <sup>37</sup> / <sub>64</sub>	TQ, 45, 348, 163, ½
AC 1	#1	—	—	3 <sup>15</sup> / <sub>32</sub>	1 <sup>37</sup> / <sub>64</sub>	TQ, 45, 348, 163, ½
AC 1/0	1/0	—	—	3 <sup>1</sup> / <sub>16</sub>	1 <sup>13</sup> / <sub>32</sub>	TU, 52, BG, 243, ⅝, 8A
AC 2/0	2/0	—	—	3 <sup>1</sup> / <sub>16</sub>	1 <sup>13</sup> / <sub>32</sub>	TU, 52, BG, 243, ⅝, 8A
AC 3/0	3/0	—	—	4	1¾	TV, 66, 167, 781, 247, 10A
AC 4/0	4/0	250	—	3¾	1¾	TX, 71H, 298, 840, 660, 11A
AC 250	4/0-250	—	4/0	5¼	2 <sup>5</sup> / <sub>16</sub>	TX, 76, 249, 840, 11A
AC 300	266.8-300	—	266.8 (18/1)	5¾	2 <sup>1</sup> / <sub>16</sub>	TH, 87H, 251, 840, 470, 12A
AC 350	336.4-350	—	266.8 (26/7), 336.4 (18/1)	6 <sup>5</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>8</sub>	96, 299, 655, 1 <sup>1</sup> / <sub>8</sub> -1, 13A
AC 400	397.5-400	—	336.4 (26/7), 397.5 (18/1)	7 <sup>9</sup> / <sub>32</sub>	3 <sup>1</sup> / <sub>2</sub>	96, 472, 655, 705, 1 <sup>1</sup> / <sub>8</sub> -1, 13A
AC 500	477-500	600	397.5 (26/7, 30/7), 477 (18/1)	7 <sup>19</sup> / <sub>32</sub>	3 <sup>37</sup> / <sub>64</sub>	106A, 300, 317, <sup>15</sup> / <sub>16</sub> , 14A
AC 600	600	—	477 (26/7), 556.5 (18/1)	7 <sup>7</sup> / <sub>32</sub>	3 <sup>47</sup> / <sub>64</sub>	<sup>15</sup> / <sub>16</sub> , 115H, 786, 936, 473
AC 750	700-750	—	636 (26/7)	8 <sup>9</sup> / <sub>32</sub>	3 <sup>31</sup> / <sub>32</sub>	140H, 301, 342, 1 <sup>1</sup> / <sub>2</sub>
AC 800	750-800	—	636 (30/19), 715.5 (54/7)	8 <sup>1</sup> / <sub>2</sub>	4 <sup>1</sup> / <sub>16</sub>	140H, 474, 342, 724, 1 <sup>1</sup> / <sub>2</sub> H, 1 <sup>1</sup> / <sub>2</sub>
AC 1000	954-1000	—	795 (26/7), 954 (45/7)	9 <sup>15</sup> / <sub>16</sub>	4 <sup>9</sup> / <sub>32</sub>	161, 292, 302, 319, 1¾

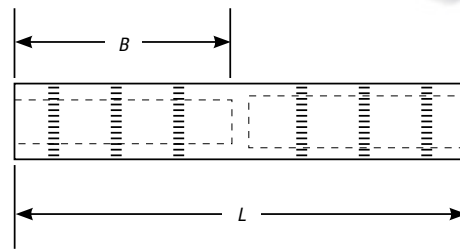
**Note:** For tin-plating option, add "-TN" suffix to the catalog number.

## Aluminum Splices

Solid center stop ensures proper cable insertion.

### Aluminum Straight Reducing Splices

- Made from aluminum for high strength and high conductivity.
- Dual-rated for use with aluminum and copper conductors
- Connector bores coated with oxide inhibitor and capped to prevent oxidation
- All splices marked with conductor sizes and die references for easy identification
- Meets or exceeds ANSI C119.4 specifications:



CAT. NO.	WIRE SIZE		L	B	INSTALLING DIES
	FROM	TO			
AC 2 R 4	#2	#4	4 <sup>9</sup> / <sub>16</sub>	1 <sup>7</sup> / <sub>8</sub>	TQ, 45, 348, 6A, ½
AC 1/0 R 2	1/0	#2	4 <sup>9</sup> / <sub>16</sub>	1 <sup>7</sup> / <sub>8</sub>	8A, BG, TU, ⅝
AC 2/0 R 1	2/0	#1	4 <sup>9</sup> / <sub>16</sub>	1 <sup>7</sup> / <sub>8</sub>	TWTY, 60, 245, 9A, ⅝ 1
AC 3/0 R 1/0	3/0	1/0	5	2	781, TU, 56
AC 4/0 R 2/0	4/0	2/0	5 <sup>1</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>8</sub>	TX, 71H, 298, 11A, 840
AC 250 R 3/0	250	3/0	5 <sup>1</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>8</sub>	840, 11A, 249, TX
AC 300 R 4/0	300	4/0	8 <sup>3</sup> / <sub>16</sub>	3 <sup>17</sup> / <sub>32</sub>	96, 299, 1 <sup>1</sup> / <sub>8</sub>
AC 350 R 4/0	350	4/0	8 <sup>3</sup> / <sub>16</sub>	3 <sup>17</sup> / <sub>32</sub>	96, 299, 1 <sup>1</sup> / <sub>8</sub>
AC 400 R 250	400	250	8 <sup>13</sup> / <sub>32</sub>	3 <sup>11</sup> / <sub>16</sub>	96, 472, 1 <sup>1</sup> / <sub>8</sub>
AC 500 R 300	500	300	8 <sup>13</sup> / <sub>32</sub>	3 <sup>3</sup> / <sub>16</sub>	106, 300, 317, 1 <sup>3</sup> / <sub>16</sub>
AC 500 R 350	500	350	8 <sup>11</sup> / <sub>16</sub>	3 <sup>9</sup> / <sub>16</sub>	106, 300, 317, 1 <sup>3</sup> / <sub>16</sub>
AC 500 R 400	500	400	8 <sup>7</sup> / <sub>8</sub>	3 <sup>9</sup> / <sub>16</sub>	106, 300, 317, 1 <sup>3</sup> / <sub>16</sub>
AC 600 R 350	600	350	8 <sup>7</sup> / <sub>8</sub>	3 <sup>5</sup> / <sub>16</sub>	115, 473, 1 <sup>1</sup> / <sub>8</sub>
AC 600 R 500	600	500	9 <sup>1</sup> / <sub>4</sub>	3 <sup>5</sup> / <sub>16</sub>	115, 473, 1 <sup>1</sup> / <sub>8</sub>
AC 750 R 500	750	500	9 <sup>3</sup> / <sub>8</sub>	4 <sup>7</sup> / <sub>32</sub>	140, 301, 1 <sup>1</sup> / <sub>2</sub>
AC 750 R 600	750	600	9 <sup>3</sup> / <sub>8</sub>	4 <sup>7</sup> / <sub>32</sub>	140, 301, 1 <sup>1</sup> / <sub>2</sub>
AC 1000 R 500	1000	500	9 <sup>7</sup> / <sub>8</sub>	4 <sup>3</sup> / <sub>8</sub>	161, 302, 1 <sup>3</sup> / <sub>4</sub>
AC 1000 R 750	1000	750	9 <sup>7</sup> / <sub>8</sub>	4 <sup>3</sup> / <sub>8</sub>	161, 302, 1 <sup>3</sup> / <sub>4</sub>

**Note:** For tin-plating option, add "-TN" suffix to the catalog number.

## Aluminum Splices

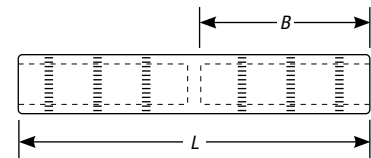
Splices designed for general URD applications.

### Aluminum Straight Splices — Common Die Series

- Entire conductor range installed with six common dies to reduce your die inventory
- Made from aluminum for high strength and high conductivity
- Solid center stop ensures proper cable insertion
- Dual-rated for use with aluminum and copper conductors
- Connector bores coated with oxide inhibitor to prevent oxidation
- All splices marked with conductor sizes and die references easy identification
- Meets or exceeds ANSI C119.4 specifications



Blackburn® Compression



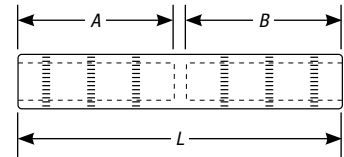
CAT. NO.	CONCENTRIC	COMPRESSED	COMPACT	SOLID	B	L	INSTALLING DIES
SAC 4	#4	#4	#4	—	1 <sup>3</sup> / <sub>32</sub>	3	5/8, 8A, BG, TU, 52
SAC 2	#2	#2	#1, #2	#1	1 <sup>3</sup> / <sub>32</sub>		CSA 22, 5/8, 8A, BG
SAC 1	#1	#1	1/0	1/0	1 <sup>3</sup> / <sub>32</sub>		CSA 22, 5/8, 8A, BG
SAC 1/0	1/0	1/0	2/0	2/0	1 <sup>3</sup> / <sub>32</sub>	4	CSA 22, 5/8, 8A, BG
SAC 2/0	2/0	2/0	3/0	3/0	1 <sup>7</sup> / <sub>8</sub>		840, 249, TX, CSA 24
SAC 3/0	3/0	3/0	4/0	—	1 <sup>7</sup> / <sub>8</sub>		840, 249, TX, CSA 24, 845
SAC 4/0	4/0	4/0	4/0, 250	—	1 <sup>7</sup> / <sub>8</sub>		840, 249, TX, CSA 24, 845
SAC 250	250	250	—	—	1 <sup>7</sup> / <sub>8</sub>	5	840, 249, TX, CSA 24, 11A
SAC 300	300	300	—	—	2 <sup>3</sup> / <sub>8</sub>		96, 299, 655, 1 <sup>1</sup> / <sub>8</sub> -1, 13A
SAC 350	350	350	—	—	2 <sup>3</sup> / <sub>8</sub>		96, 299, 655, 321, 1 <sup>1</sup> / <sub>8</sub> -1, 13A
SAC 400	400	400	500	—	2 <sup>3</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>16</sub>	106A, 300, 317, 15A
SAC 500	477-500	—	600	—	2 <sup>3</sup> / <sub>8</sub>		106A, 300, 317, 1 <sup>1</sup> / <sub>16</sub> , 15A
SAC 600	600	—	—	—	3 <sup>3</sup> / <sub>8</sub>	7	1 <sup>1</sup> / <sub>2</sub> , 140, 301, 724
SAC 750	700-750	—	—	—	3 <sup>3</sup> / <sub>32</sub>		140H, 301, 342, 724, 1 <sup>1</sup> / <sub>2</sub>
SAC 1000	1000	—	—	—	3 <sup>9</sup> / <sub>16</sub>		1 <sup>3</sup> / <sub>4</sub> , 161, 302, 292, 319

## Aluminum Splices

Reducers for general URD applications.

### Aluminum Straight Reducing Splices — Common Die Series

- Install with six common dies to reduce your die inventory
- Dual-rated for use with aluminum and copper conductors
- Bores coated with oxide inhibitor to prevent oxidation
- Marked with conductor sizes and die references for easy identification
- Meets or exceeds ANSI C119.4 specifications



CAT. NO.	SIDE A			SIDE B			A-B	L	INSTALLING DIES
	CONCENTRIC/ COMPRESSED	COMPACT	SOLID	CONCENTRIC/ COMPRESSED	COMPACT	SOLID			
SAC 4 R 6	#4	#4	—	#6	#6	—	1 <sup>1</sup> / <sub>16</sub>	3	CSA 22, 3/8, BG, 243
SAC 2 R 4	#2	#1, #2	#1	#4	#4	—			
SAC 1 R 2	#1	1/0	1/0	#2	#1, #2	#1			
SAC 1/0 R 4	1/0	2/0	2/0	#4	#4	—			
SAC 1/0 R 2	1/0	2/0	2/0	#2	#1, #2	#1			
SAC 1/0 R 1	1/0	2/0	2/0	#1	1/0	1/0			
SAC 2/0 R 2	2/0	3/0	3/0	#2	#1, #2	#1			
SAC 2/0 R 1/0	2/0	3/0	3/0	1/0	2/0	2/0			
SAC 3/0 R 1/0	3/0	4/0	—	1/0	2/0	2/0			
SAC 3/0 R 2/0	3/0	4/0	—	2/0	3/0	3/0			
SAC 4/0 R 2	4/0	250	—	#2	#1, #2	#1	1 <sup>1</sup> / <sub>8</sub>	4	840, 249, TX, CSA 24
SAC 4/0 R 1/0	4/0	250	—	1/0	2/0	2/0			
SAC 4/0 R 2/0	4/0	250	—	2/0	3/0	3/0			
SAC 250 R 3/0	250	—	—	3/0	4/0	—			
SAC 250 R 4/0	250	—	—	4/0	250	—			
SAC 300 R 250	300	—	—	4/0-250	—	—			
SAC 350 R 2	350	—	—	#2	#1, #2	#1			
SAC 350 R 1/0	350	—	—	1/0	2/0	2/0			
SAC 350 R 2/0	350	—	—	2/0	3/0	3/0			
SAC 350 R 3/0	350	—	—	3/0	4/0	—			
SAC 350 R 4/0	350	—	—	4/0	250	—	2 <sup>2</sup> / <sub>32</sub>	5 <sup>1</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>16</sub> , 5A, 300, 106, 317
SAC 350 R 250	350	—	—	250	—	—			
SAC 500 R 2	500	—	—	#2	—	—			
SAC 500 R 1/0	500	—	—	1/0	—	—			
SAC 500 R 2/0	500	—	—	2/0	—	—			
SAC 500 R 3/0	500	—	—	3/0	—	—			
SAC 500 R 4/0	500	—	—	4/0	250	—			
SAC 500 R 300	500	—	—	300	—	—			
SAC 500 R 350	500	—	—	350	—	—			
SAC 500 R 400	500	—	—	400	—	—			
SAC 750 R 1/0	750	—	—	1/0	—	—	3	6 <sup>1</sup> / <sub>4</sub>	140H, 301, 342
SAC 750 R 4/0	750	—	—	4/0	250	—			
SAC 750 R 250	750	—	—	250	—	—			
SAC 750 R 350	750	—	—	350	—	—			
SAC 750 R 500	750	—	—	500	—	—			
SAC 1000 R 400	1000	—	—	400	—	—			
SAC 1000 R 500	1000	—	—	500	—	—			
SAC 1000 R 750	1000	—	—	750	—	—			

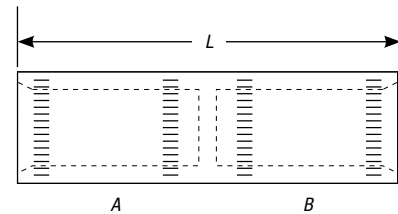
Note: For tin-plating option, add "-TN" suffix to the catalog number.

## Aluminum Splices

Built to resist corrosion and provide high strength and high conductivity.

### Aluminum Tin-Plated Straight Splices — 5/8 Common Die Series

- Made from aluminum for high strength and high conductivity
- Solid center stop ensures accurate wire positioning and forces oxide inhibitor over and through conductor strands
- Most are dual-rated for use with aluminum and copper conductors
- Tin plated to resist corrosion and extend shelf life
- Prefilled with oxide inhibitor to improve contact and seal out moisture after installation
- Color-coded end caps seal splices from contaminants
- All splices marked with conductor sizes, die references and compression locations for easy identification and installation
- Meets or exceeds ANSI C119.4 specifications



CAT. NO.	WIRE SIZE		CONDUCTOR		INSTALLING DIES	L
	A	B	A	B		
SG 88	#8	#8	AL-CU	AL-CU	5/8, 8A, BG, TU, 243	2
SG 68	#6	#8	AL-CU	AL-CU		
SG 66	#6	#6	AL-CU	AL-CU		
SG 48	#4	#8	AL-CU	AL-CU		
SG 46	#4	#6	AL-CU	AL-CU		
SG 44	#4	#4	AL-CU	AL-CU		
SG 26	#2	#6	AL-CU	AL-CU		
SG 24	#2	#4	AL-CU	AL-CU		
SG 22	#2	#2	AL-CU	AL-CU		
SG 11	#1	#1	AL-CU	AL-CU		
SG 106	1/0	#6	AL-CU	AL-CU		
SG 104	1/0	#4	AL-CU	AL-CU		
SG 102	1/0	#2	AL-CU	AL-CU		
SG 1010	1/0	1/0	AL-CU	AL-CU		
SG 206	2/0	#6	AL	AL-CU		2 1/8
SG 204	2/0	#4	AL	AL-CU		
SG 202	2/0	#2	AL	AL-CU		
SG 2010	2/0	1/0	AL	AL-CU		
SG 2020	2/0	2/0	AL	AL		

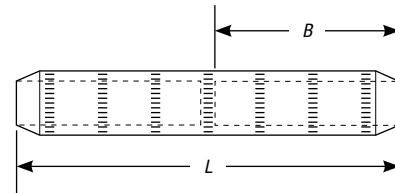
**Note:** For watertight protection, see the FSS 20 Flood-Seal® insulating splice cover on page A-66.

## Aluminum Splices

Tapered ends enable use in high-voltage applications up to 69kV.

### Aluminum Tapered Splices

- Solid center stop ensures proper cable insertion
- Dual-rated for use with aluminum and copper conductors
- Connector bores coated with oxide inhibitor to prevent oxidation
- All splices marked with die references for easy identification
- Meets or exceeds ANSI C119.4 specifications



CAT. NO.	CONCENTRIC	L	B	INSTALLING DIES
ATC 3	#3	2 <sup>3</sup> / <sub>32</sub>	1 <sup>1</sup> / <sub>32</sub>	½, TQ, 6A, 163
ATC 2	#2	2 <sup>3</sup> / <sub>32</sub>	1 <sup>1</sup> / <sub>32</sub>	½, TQ, 6A, 163
ATC 1	#1	3	1 <sup>13</sup> / <sub>32</sub>	TU, 52, BG, 243, ⅝, 8A
ATC 1/0	1/0	3	1 <sup>13</sup> / <sub>32</sub>	⅝, TU, BG, 296
ATC 2/0	2/0	3 <sup>1</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>8</sub>	TW-TY, 58, 297, ⅝-1
ATC 3/0	3/0	3	1 <sup>1</sup> / <sub>8</sub>	TV, 66, 247
ATC 4/0	4/0	3 <sup>23</sup> / <sub>32</sub>	1 <sup>23</sup> / <sub>32</sub>	TX, 71H, 298, 840
ATC 250	250	3 <sup>2</sup> / <sub>32</sub>	1 <sup>4</sup> / <sub>64</sub>	TX, 76, 249, 840, 11A
ATC 300	300	4 <sup>1</sup> / <sub>16</sub>	2 <sup>1</sup> / <sub>32</sub>	1, TH, 87H, 470, 251, 12A
ATC 350	350	5	2 <sup>2</sup> / <sub>64</sub>	96, 472, 655, 1 <sup>1</sup> / <sub>8</sub> -1, 13A
ATC 400	400	5 <sup>1</sup> / <sub>32</sub>	2 <sup>25</sup> / <sub>64</sub>	96, 472, 655, 705, 1 <sup>1</sup> / <sub>8</sub> -1, 13A
ATC 500	500	5 <sup>1</sup> / <sub>2</sub>	2 <sup>19</sup> / <sub>32</sub>	1 <sup>1</sup> / <sub>6</sub> , 106A, 300, 317, 15A
ATC 600	600	5 <sup>29</sup> / <sub>32</sub>	2 <sup>1</sup> / <sub>16</sub>	115H, 786, 936, 1 <sup>1</sup> / <sub>6</sub>
ATC 750	700–750	6 <sup>23</sup> / <sub>64</sub>	3 <sup>1</sup> / <sub>8</sub>	140H, 301, 342, 1 <sup>1</sup> / <sub>2</sub>
ATC 800	795–800	7 <sup>1</sup> / <sub>16</sub>	3 <sup>15</sup> / <sub>32</sub>	140, 1 <sup>1</sup> / <sub>2</sub> , 1 <sup>1</sup> / <sub>6</sub>
ATC 1000	1000	8 <sup>27</sup> / <sub>32</sub>	4 <sup>1</sup> / <sub>64</sub>	161, 302, 292, 319, 1 <sup>3</sup> / <sub>4</sub>
ATC 1250	1250	9 <sup>1</sup> / <sub>4</sub>	4 <sup>11</sup> / <sub>16</sub>	161, 352, 579, 30AH
ATC 1500	1500	9 <sup>3</sup> / <sub>4</sub>	4 <sup>11</sup> / <sub>16</sub>	189R, 478, L46ART
ATC 1750	1750	11 <sup>1</sup> / <sub>2</sub>	5 <sup>1</sup> / <sub>32</sub>	189, 728, 38AH
ATC 2000	2000	14	6 <sup>13</sup> / <sub>16</sub>	189, 478, 728

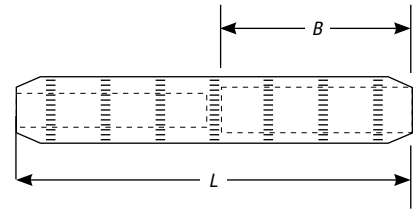
**Note:** For tin-plating option, add "-TN" suffix to the catalog number.

## Aluminum Splices

Tapered ends enable use in high-voltage applications up to 69kV.

### Aluminum Tapered Reducing Splices

- Solid center stop ensures proper cable insertion, prevents moisture migration
- Dual-rated for use with aluminum and copper conductors
- Connector bores are coated with oxide inhibitor to prevent oxidation
- All splices marked with conductor sizes and die references for easy identification
- Meets or exceeds ANSI C119.4 specifications



CAT. NO.	WIRE SIZE		L	B	INSTALLING DIES
	FROM	TO			
ATC 2 R 4	#2	#4	2 $\frac{5}{8}$	1 $\frac{5}{8}$	1/2
ATC 1/0 R 4	1/0	#4	3	1 $\frac{1}{8}$	
ATC 1/0 R 2	1/0	#2	3	1 $\frac{1}{8}$	
ATC 2/0 R 2	2/0	#2	4	1 $\frac{1}{8}$	
ATC 2/0 R 1/0	2/0	1/0	4	1 $\frac{1}{8}$	
ATC 3/0 R 1/0	3/0	1/0	4	1 $\frac{1}{8}$	
ATC 4/0 R 1/0	4/0	1/0	4	1 $\frac{1}{8}$	249, 840, TX, 76, 11A
ATC 4/0 R 2/0	4/0	2/0	4	1 $\frac{1}{8}$	
ATC 4/0 R 2	4/0	#2	4	1 $\frac{1}{8}$	
ATC 250 R 3/0	250	3/0	4	1 $\frac{1}{8}$	
ATC 350 R 2	350	#2	4 $\frac{1}{16}$	2 $\frac{3}{8}$	
ATC 350 R 1/0	350	1/0	4 $\frac{1}{16}$	2 $\frac{3}{8}$	
ATC 350 R 2/0	350	2/0	4 $\frac{1}{16}$	2 $\frac{3}{8}$	655, 299, 1-18-1, 96, 13A
ATC 350 R 3/0	350	3/0	4 $\frac{1}{16}$	2 $\frac{3}{8}$	
ATC 350 R 4/0	350	4/0	4 $\frac{1}{16}$	2 $\frac{3}{8}$	
ATC 350 R 250	350	250	4 $\frac{1}{16}$	2 $\frac{3}{8}$	
ATC 500 R 2	500	#2	5 $\frac{1}{8}$	2 $\frac{1}{2}$	
ATC 500 R 1/0	500	1/0	5 $\frac{1}{8}$	2 $\frac{1}{2}$	
ATC 500 R 2/0	500	2/0	5 $\frac{1}{8}$	2 $\frac{1}{2}$	
ATC 500 R 4/0	500	4/0	5 $\frac{1}{8}$	2 $\frac{1}{2}$	300, 317, 1 $\frac{1}{16}$ , 106, 15A
ATC 500 R 250	500	250	5 $\frac{1}{8}$	2 $\frac{1}{2}$	
ATC 500 R 300	500	300	5 $\frac{1}{8}$	2 $\frac{1}{2}$	
ATC 500 R 350	500	350	5 $\frac{1}{8}$	2 $\frac{1}{2}$	
ATC 500 R 350-608	500	350	5 $\frac{1}{8}$	2 $\frac{1}{2}$	125H, 608, 786, 936
ATC 750 R 2	750	#2	9 $\frac{1}{8}$	4 $\frac{1}{2}$	
ATC 750 R 1/0	750	1/0	9 $\frac{1}{8}$	4 $\frac{1}{2}$	
ATC 750 R 4/0	750	4/0	9 $\frac{1}{8}$	4 $\frac{1}{2}$	301, 1 $\frac{1}{2}$ , 140, 342
ATC 750 R 350	750	350	9 $\frac{1}{8}$	4 $\frac{1}{2}$	
ATC 750 R 500	750	500	9 $\frac{1}{8}$	4 $\frac{1}{2}$	
ATC 750 R 500-608	750	500	9 $\frac{1}{8}$	4 $\frac{1}{2}$	125H, 608, 786, 936
ATC 1000 R 500	1000	500	9 $\frac{1}{8}$	4 $\frac{1}{2}$	
ATC 1000 R 750	1000	750	9 $\frac{1}{8}$	4 $\frac{1}{2}$	302, 161, 292, 319, 727
ATC 1250 R 750	1250	750	9 $\frac{1}{8}$	4 $\frac{1}{2}$	

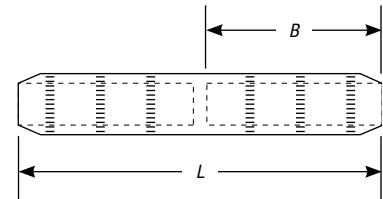
Note: For tin-plating option, add "-TN" suffix to the catalog number.

## Aluminum Splices

Entire conductor range is installed with six common dies.

### Aluminum Tapered Splices — Common Die Series

- Solid center stop ensures proper cable insertion, prevents moisture migration
- Dual-rated for use with aluminum and copper conductors
- Connector bores are coated with oxide inhibitor to prevent oxidation
- All splices marked with die references for easy identification
- Meets or exceeds ANSI C119.4 specifications



CAT. NO.	WIRE SIZE	L	B	INSTALLING DIES
SATC 4	#4	3	1 <sup>1</sup> / <sub>16</sub>	52, TU, 243, 5/8, BG
SATC 2	#2		1 <sup>1</sup> / <sub>16</sub>	
SATC 1	#1		1 <sup>1</sup> / <sub>16</sub>	
SATC 1/0	1/0		1 <sup>1</sup> / <sub>16</sub>	
SATC 2/0	2/0	4	1 <sup>1</sup> / <sub>16</sub>	TX, 76, 11A, 249, 840
SATC 3/0	3/0		1 <sup>1</sup> / <sub>16</sub>	
SATC 4/0	4/0		1 <sup>7</sup> / <sub>8</sub>	
SATC 250	250		1 <sup>1</sup> / <sub>16</sub>	
SATC 300	300	5	2 <sup>3</sup> / <sub>16</sub>	96, 13A, 1 <sup>1</sup> / <sub>8</sub> -1, 299, 321, 655
SATC 350	350		2 <sup>3</sup> / <sub>16</sub>	
SATC 400	400	5 <sup>1</sup> / <sub>2</sub>	2 <sup>3</sup> / <sub>8</sub>	96, 472, 655, 1 <sup>1</sup> / <sub>8</sub> -1, 13A
ATC 500	500		2 <sup>3</sup> / <sub>8</sub>	
SATC 750	700-750	7	3 <sup>3</sup> / <sub>8</sub>	140, 301, 342, 1 <sup>1</sup> / <sub>2</sub>

*Note: For tin-plating option, add "-TN" suffix to the catalog number.*



## Aluminum Tees

For aluminum and copper connections, these dual-rated components suit you to a tee.

### Aluminum Tees

- Made from aluminum for high strength and high conductivity
- Dual-rated for use with aluminum and copper conductors
- Connector bores coated with oxide inhibitor to prevent oxidation
- All tees marked with conductor sizes and die references for easy identification
- Meets or exceeds ANSI C119.4 specifications



AT 350-350

CAT. NO.	RUN	TAP	L	T		
AT 2-4	#2	#4	5½	2½		
AT 2-2		#2				
AT 1/0-4	1/0	#4				
AT 1/0-2		#2				
AT 1/0-1/0	2/0	1/0				
AT 2/0-2		#2				
AT 2/0-1/0	2/0	1/0				
AT 2/0-2/0		2/0				
AT 3/0-2	3/0	#2			6	3
AT 3/0-1/0		1/0				
AT 3/0-3/0	4/0	3/0				
AT 4/0-2		#2				
AT 4/0-1/0	4/0	1/0				
AT 4/0-2/0		2/0				
AT 4/0-4/0	250	4/0				
AT 250-2		#2				
AT 250-1/0	250	1/0	3½			
AT 250-2/0		2/0				
AT 250-3/0	300	3/0				
AT 250-250		250				
AT 300-1/0	300	1/0		6%		
AT 300-2/0		2/0				
AT 300-4/0	300	4/0				
AT 300-300		300				

CAT. NO.	RUN	TAP	L	T		
AT 350-2	350	#2	6%	2½		
AT 350-1/0		1/0		2½		
AT 350-3/0		3/0		3		
AT 350-4/0		4/0		3		
AT 350-350		350		3½		
AT 500-1/0		500		1/0	8	3
AT 500-4/0				4/0		3
AT 500-350		750		350		3½
AT 500-500				500		3½
AT 750-1/0		750		1/0		9
AT 750-4/0	4/0		3			
AT 750-350	1000	350	9%	3½		
AT 750-500		500		3½		
AT 750-750	1000	750		3½		
AT 1000-4/0		4/0		3½		
AT 1000-350	1000	350		3½		
AT 1000-500		500		5½		
AT 1000-750	1000	750		7½		
AT 1000-1000		1000		7½		

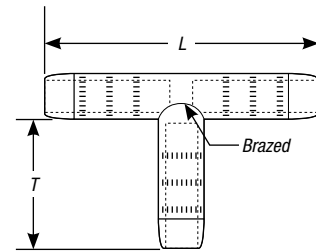
**Note:** For tin-plating option, add "-TN" suffix to the catalog number.  
For other available sizes, please consult your Thomas & Betts representative.

## Aluminum Tees

Tees available in many run and tap sizes for your high-voltage applications.

### Aluminum Tapered Tees

- Made from aluminum for high strength and high conductivity
- Tapered ends enable use in high-voltage applications up to 69kV
- Dual-rated for use with aluminum and copper conductors
- Connector bores coated with oxide inhibitor to prevent oxidation
- All tees marked with conductor sizes and die references for easy identification
- Meets or exceeds ANSI C119.4 specifications



CAT. NO.	RUN	TAP	L	T
ATT 2-4	#2	#4	4¼	2½
ATT 2-2		#2		2½
ATT 1/0-4		#4		2½
ATT 1/0-2	1/0	#2	5½	2½
ATT 1/0-1/0		1/0		2½
ATT 2/0-2	2/0	#2	6	2½
ATT 2/0-1/0		1/0		2½
ATT 2/0-2/0		2/0		2½
ATT 3/0-2	3/0	#2	6¾	3
ATT 3/0-1/0		1/0		3
ATT 3/0-3/0		3/0		3
ATT 4/0-2	4/0	#2	6¾	2½
ATT 4/0-1/0		1/0		2½
ATT 4/0-2/0		2/0		2½
ATT 4/0-4/0	250	4/0	6¾	3
ATT 250-2		#2		3
ATT 250-1/0		1/0		3
ATT 250-2/0	250	2/0	6¾	3
ATT 250-3/0		3/0		3
ATT 250-250		250		3
ATT 300-1/0	300	1/0	6¾	3½
ATT 300-2/0		2/0		3½
ATT 300-4/0		4/0		3½
ATT 300-300	300	300	3½	

CAT. NO.	RUN	TAP	L	T
ATT 350-2	350	#2	6¾	2½
ATT 350-1/0		1/0		2½
ATT 350-3/0		3/0		3
ATT 350-4/0	350	4/0	6¾	3
ATT 350-350		350		3¾
ATT 400-1/0	400	1/0	7¾	4
ATT 400-4/0		4/0		4
ATT 400-400		400		4
ATT 500-1/0	500	1/0	7¾	4
ATT 500-4/0		4/0		3
ATT 500-350		350		3½
ATT 500-500	750	500	8	5½
ATT 750-1/0		1/0		3
ATT 750-4/0		4/0		3
ATT 750-350	750	350	8	3½
ATT 750-500		500		5½
ATT 750-750	750	9	4	
ATT 1000-4/0	1000	4/0	9¾	3½
ATT 1000-350		350		3½
ATT 1000-500		500		5½
ATT 1000-750	1000	750	9¾	6
ATT 1000-1000		1000		6
ATT 1500-1500	1500	1500	14	6

**Note:** For tin-plating option, add "-TN" suffix to the catalog number.  
For other available sizes, please consult your Thomas & Betts representative.

## Copper Lugs

Tin-plated lugs resist corrosion.

### Copper Tin-Plated One-Hole Lugs

- Produced from seamless electrolytic, high-conductivity copper tubing for high conductivity and minimal voltage drop
- All lugs marked with conductor sizes and die references for easy identification



CAT. NO.	WIRE SIZE	BOLT SIZE	INSTALLING DIES
L 8-10	#8	10	TC, 21, 171, 236
L 8-14		¼	
L 8-38		¾	
L 8-48		½	
L 6-10	#6	10	7, TE, 24
L 6-14		¼	
L 6-516		⅝	
L 6-38		¾	
L 4-10	#4	10	⅝, 8, TP, 29, 161
L 4-14		¼	
L 4-516		⅝	
L 4-38		¾	
L 2-14	#2	¼	¾, 10, TL-TN, 33, 162
L 2-516		⅝	
L 2-38		¾	
L 2-48		½	
L 1-14	#1	¼	11, TB, 37
L 1-516		⅝	
L 1-38		¾	
L 1-48		½	
L 1/0-516	1/0	⅝	½, 12, TQ, 42, 163
L 1/0-38		¾	
L 1/0-48		½	
L 2/0-516	2/0	⅝	13, TS, 45, 164, 241
L 2/0-38		¾	
L 2/0-48		½	

*Note: For lugs with tapered ends used in high-voltage applications, please consult your Thomas & Betts representative.*

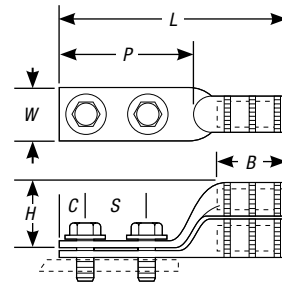
CAT. NO.	WIRE SIZE	BOLT SIZE	INSTALLING DIES
L 3/0-516	3/0	⅝	⅝, 14, TU, 50, 243, BG
L 3/0-38		¾	
L 3/0-48		½	
L 4/0-516	4/0	⅝	15, TW-TY, 54, 243
L 4/0-38		¾	
L 4/0-48	250	½	1⅝, 16, TR, 60, 166
L 250-38		¾	
L 250-48	300	½	781, 17, TV, 66
L 300-38		¾	
L 300-48	350	¾	840, 18, TX, 71
L 350-38		½	
L 350-48	400	½	840, 19, TX, 76
L 400-38		⅝	
L 400-48	500	½	20, TH, 87, 281
L 500-38		⅝	
L 500-48	600	½	1⅝-1, 96
L 600-38		⅝	
L 600-48	750	½	1⅝-2, 106
L 750-38		⅝	
L 750-48	1000	¾	642, 125
L 1000-38		½	
L 1000-48	1000	⅝	642, 125
L 1000-58		¾	
L 1000-68			

## Copper Lugs

Lugs for general applications.

### Copper Tin-Plated Two-Hole Straight and Stacking NEMA Lugs

- Produced from seamless electrolytic, high-conductivity copper tubing for high conductivity and minimal voltage drop
- Tin plated to resist corrosion.
- L 2-214, L 2-2516, L 1-214, L 1-2516, L 1/0-238 and L 1/0-2516 lugs feature slotted rear bolt hole and provide 3/4" and 7/8" bolt hole centers for added versatility (for other combinations, contact your Thomas & Betts representative)



STRAIGHT LUG CAT. NO.	STACKING LUG CAT. NO.	WIRE SIZE	BOLT SIZE	INSTALLING DIES	B	C	L	P	S	W	H
L 6-214	—	#6	1/4	7, TE, 24	1 1/8	5/16	2 1/16	1 1/16	5/8	7/16	—
L 6-2516	—		5/16		1 1/8	5/16	2 1/16	1 1/16	5/8	7/16	—
L 6 N	—	#4	1/2	5/16, 8, TP, 29, IC, 1	1 1/8	3/8	5	3 3/8	1 3/4	3/4	—
L 4-214	—		1/4		1 1/8	5/16	2 3/4	1 1/16	5/8	1/2	—
L 4-2516	—	#2	5/16	3/8, 10, TL-TN, 33, 162	1 1/8	5/16	2 3/4	1 1/16	5/8	1/2	—
L 4 N	—		1/2		1 1/8	3/8	5	3 3/8	1 3/4	3/4	—
L 2-214	—	#1	1/4	3/8, 11, TB, 37	1 1/4	3/8	3 3/8	1 1/2	5/8	5/8	—
L 2-2516	—		5/16		1 1/4	3/8	3 3/16	1 1/8	3/4 & 7/8	5/8	—
L 2 N	—	1/0	1/2	1/2, 12, TQ, 42, 163	1 1/4	5/8	4 3/4	3	1 1/4	3/4	—
L 1-214	—		5/16		1 1/4	3/8	3 3/8	1 1/8	5/8	1 1/16	—
L 1-2516	—	2/0	5/16	3/8, 11, TB, 37	1 1/2	5/16	3 3/8	1 1/8	3/4 & 7/8	1 1/16	—
L 1 N	—		1/2		1 1/2	5/8	4 7/8	3	1 3/4	3/4	—
L 1/0-238	—	3/0	3/8	1/2, 12, TQ, 42, 163	1 3/8	3/8	3 7/16	1 1/8	7/8	3/4	—
L 1/0-2516	—		5/16		1 3/8	3/8	3 7/16	1 1/8	3/4 & 7/8	3/4	—
L 1/0 N	—	SL 2/0 N	1/2	5/16, 13, TS, 45, 164	1 7/16	5/8	4 7/8	3	1 3/4	3/4	—
L 2/0-238	—		2/0		1 1/2	3/8	5 1/16	3	1 3/4	7/8	—
L 2/0 N	SL 2/0 N	3/0	1/2	5/8, 14, TU, 50, BG	1 1/2	3/8	5 1/16	3	1 3/4	7/8	1 1/2
L 3/0-238	—		3/0		1 1/2	5/8	5 1/8	3	1 3/4	1 5/16	—
L 3/0 N	SL 3/0 N	4/0	1/2	5/8-1, 15, TW-TY, 54, 243	1 1/2	3/8	5 1/8	3	1 3/4	1 5/16	1 1/8
L 4/0-238	—		4/0		1 1/2	5/8	5 1/16	3	1 3/4	1 1/16	—
L 4/0 N	SL 4/0 N	250	3/8	1 1/16, 16, TR, 60, 116	1 1/8	5/8	5 1/16	3	1 3/4	1 1/16	1 1/8
L 250-238	—		250		1 1/8	5/8	5 1/16	3	1 3/4	1 1/8	—
L 250 N	SL 250 N	300	1/2	781, 17, TV, 66, 11/16	1 1/16	3/8	5 1/16	3	1 3/4	1 1/8	1 1/16
L 300-238	—		300		1 1/16	5/8	5 1/16	3	1 3/4	1 1/8	—
L 300 N	SL 300 N	350	1/2	840, 18, TX, 71	2	5/8	5 3/4	3	1 3/4	1 1/4	—
L 350-238	—		350		2	5/8	5 3/4	3	1 3/4	1 15/16	—
L 350 N	SL 350 N	400	1/2	1 5/16, 19, TX, 76, 840	1 1/8	5/8	5 3/4	3	1 3/4	1 15/16	—
L 400-238	—		400		1 1/8	5/8	5 3/4	3	1 3/4	1 1/16	—
L 400 N	SL 400 N	500	3/8	1 1/16, 19, TX, 76, 840	2 1/8	5/8	6	3 1/16	1 3/4	1 1/8	—
L 500-238	—		500		2 1/8	5/8	6	3 1/16	1 3/4	1 1/8	2 1/8
L 500 N	SL 500 N	600	1/2	1, 20, TH, 87, 251	2 1/4	3/8	6 1/16	3 3/8	1 3/4	1 1/16	2 1/8
L 600-238	—		600		2 1/4	3/8	6 1/16	3 3/8	1 3/4	1 1/16	2 3/16
L 600 N	SL 600 N	750	1/2	1 1/8-1, 22, 96	2 5/8	5/8	6 3/4	3 3/8	1 3/4	1 11/16	2 3/16
L 750-238	—		750		2 5/8	5/8	6 3/4	3 3/8	1 3/4	1 1/16	—
L 750 N	SL 750 N	1000	3/8	1 1/16, 106, 24	2 13/16	5/8	7	3 3/8	1 3/4	1 3/4	2 3/8
L 1000-238	—		1000		2 13/16	5/8	7	3 3/8	1 3/4	1 3/4	—
L 1000 NT	SL 1000 NT	1250	1/2	27, 1 1/2, 125	2 5/16	3/8	7 1/4	3 3/4	1 3/4	1 3/4	3
L 1250 N	—		1250		2 5/16	3/8	7 1/4	3 3/4	1 3/4	2 3/16	—
L 1250 N	—	1500	1/2	150, 29, 1 1/8	3	5/8	7 3/8	3 3/8	1 3/4	2 3/16	—
L 1500 N	—		1500		3	5/8	7 3/8	3 3/8	1 3/4	2 11/16	—
L 1500 N	—	2000	1/2	1 3/4, 31, 150	3 3/16	5/8	7 1/2	3	1 3/4	2 11/16	—
L 2000 N	—		2000		3 3/16	5/8	7 1/2	3	1 3/4	3 1/16	—
L 2000 N	—	2000	3 3/16	5/8	8 1/16	3 3/16	1 3/4	3 1/16	—		

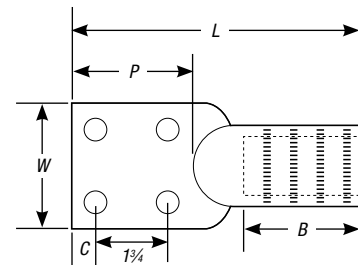
**Note:** The "N" suffix on the catalog number indicates NEMA bolt spacing of 1 1/4".  
For other available sizes, please consult your Thomas & Betts representative.  
L 1250 N, L 1500 N and L 2000 N are not UL Listed or CSA Certified.

## Copper Lugs

These four-hole NEMA lugs are great for a standard installation.

### Copper Tin-Plated Four-Hole NEMA Lugs

- Tin plated for resistance against corrosion
- All lugs marked with conductor sizes and die references easy identification



Blackburn® Compression

CAT. NO.	WIRE SIZE	BOLT SIZE	INSTALLING DIES	B	C	L	P	W
L 750 4N	750	1/2	106, 21, 209, 1 1/16	4 3/8	5/8	8 7/8	3 3/16	3
L 1000 4N	1000		786, 1 1/2, 27, 125, 642	4 3/8		9 9/16	3 3/16	3
L 1500 4N	1500		1 3/4, 31, 150, 302	3 3/16		7 1/2	3	2 5/8
L 2000 4N	2000		2.00, 34, 175	3 3/16		8 1/16	3 3/16	3 1/16

## Copper Lugs

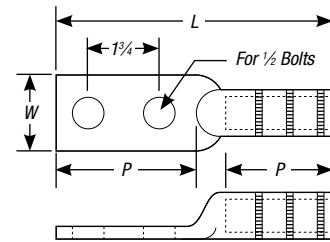
Heavy-wall lugs for grounding and other critical applications.

### Copper Heavy-Duty Two-Hole NEMA Lugs

- Heavy-wall electrolytic-grade seamless copper tubing enables user to handle the most severe heavy-loading applications
- Generous inside chamfers to ease cable insertion



HDL 1000 N



CAT. NO.	WIRE SIZE	INSTALLING DIES	B	L	P	W
HDL 2 N	#2	TQ, 42, 163, 1/2	1 1/2	5 1/4	3	1 3/16
HDL 1 N	#1	TS, 45, 241, 1/2	1 1/2	5 1/4	3	1 3/16
HDL 1/0 N	1/0	TU, 50, 165, 5/8	1 1/2	5 1/4	3	1 3/16
HDL 2/0 N	2/0	TZ, 166, 3/4-1	1 3/4	5 1/2	3	1 3/16
HDL 3/0 N	3/0	60, 16, 166, 206	1 11/16	5 3/16	3	1
HDL 4/0 N	4/0	71, 168, 840	1 3/4	5 5/8	3	1 1/8
HDL 250 N	250	80, 169	1 3/4	5 5/8	3	1 1/4
HDL 300 N	300	87, 170, 1	2 1/4	5 13/16	3	1 3/8
HDL 350 N	350	96, 267, 1-1/8-1	2 3/16	6 1/16	3	1 3/16
HDL 500 N	500	112, 210, 1 1/16	2 3/8	6 3/8	3	1 3/4
HDL 750 N	750	138, 627, 1 1/8	3 3/8	7 3/16	3	2 3/16
HDL 1000 N	1000	160, 345, 2	4 3/8	9 3/8	3 3/8	2 3/8

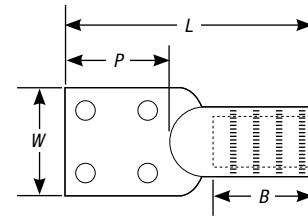
**Note:** For tin-plating option, add "-TN" suffix to the catalog number.  
For oxide-inhibiting compound, please consult your Thomas & Betts representative.

## Copper Lugs

Heavy-wall lugs for grounding and other critical applications.

### Copper Heavy-Duty Four-Hole NEMA Lugs

- Heavy-wall electrolytic-grade seamless copper tubing enables user to handle the most severe heavy-loading applications
- Generous inside chamfers to ease cable insertion



Blackburn® Compression

CAT. NO.	WIRE SIZE	INSTALLING DIES	B	L	P	W
HDL 4/0 4N	4/0	71, 168, 840	1¼	4¾		
HDL 350 4N	350	96, 267, 1-½-1	2⅝	6⅞		
HDL 500 4N	500	112, 210, 1⅞	3⅝	6⅞	3	3
HDL 750 4N	750	138, 627, 1¾	3⅝	8¼		
HDL 1000 N	1000	160, 345, 2	4¾	9⅞		

**Note:** For tin-plating option, add "-TN" suffix to the catalog number.  
For oxide-inhibiting compound, please consult your Thomas & Betts representative.

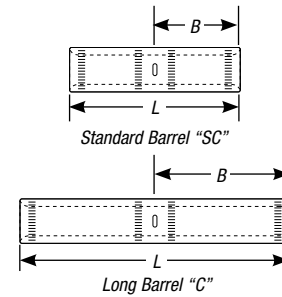
## Copper Splices

Made from electrolytic seamless copper tubing, these splices can handle your heavy-duty applications.



## Copper Tin-Plated Straight Splices

- Dimpled center stop equalizes cable insertion
- Tin plated to resist corrosion
- All splices marked with conductor sizes and die references for easy identification



STANDARD BARREL CAT. NO.	LONG BARREL CAT. NO.	WIRE SIZE	STANDARD BARREL		LONG BARREL		INSTALLING DIES
			B	L	B	L	
SC 8	C 8	#8	7/16	1 1/16	1 1/16	2 1/4	TC, 21, 236
SC 6	C 6	#6	1 3/16	1 3/4	1 1/8	2 3/8	TE, 24
SC 4	C 4	#4	1 3/16	1 3/4	1 1/8	2 3/8	5/16, 8, 29, 161, TP
SC 2	C 2	#2	7/8	1 7/8	1 1/4	2 5/8	3/8, 10, TL-TN, 33, 162
SC 1	C 1	#1	7/8	1 7/8	1 1/8	2 7/8	11, TB, 37
SC 1/0	C 1/0	1/0	7/8	1 7/8	1 1/8	2 7/8	1/2, 12, TQ, 42, 163
SC 2/0	C 2/0	2/0	1 1/16	2	1 1/2	3 1/8	9/16, 13, TS, 45, 164
SC 3/0	C 3/0	3/0	1	2 1/8	1 1/2	3 1/8	5/8, 14, TU, 50, 243, BG
SC 4/0	C 4/0	4/0	1	2 1/8	1 5/8	3 3/8	5/8-1, 15, TW-TY, 54
SC 250	C 250	250	1 1/16	2 1/4	1 5/8	3 3/8	1 1/16, 16, TR, 60, 166
SC 300	C 300	300	1 1/16	2 1/4	2	4 1/8	17, 66, TV, 781
SC 350	C 350	350	1 1/8	2 3/8	2	4 1/8	840, 18, TX, 71, 168, 208
SC 400	C 400	400	1 3/16	2 1/2	2 1/8	4 3/8	1 5/16, 19, TX, 76, 840
SC 500	C 500	500	1 3/8	2 7/8	2 1/4	4 5/8	1, 20, TH, 87, 251
SC 600	C 600	600	1 3/8	2 7/8	2 11/16	5 1/2	1 1/8-1, 22, 96
SC 750	C 750	750	1 5/8	3 3/8	2 7/8	5 7/8	1 1/2, 2, 24, 106
SC 1000	C 1000	1000	1 7/8	3 7/8	3	6 1/8	1 1/2, 27, 125, 642
SC 1500	C 1500	1500	2	4 1/8	3 3/16	6 1/2	1 3/4, 31, 150
SC 2000	C 2000	2000	2 1/4	4 3/8	3 7/16	7	2.00, 34, 175

Note: SC 1500, SC 2000, C 1500 and C 2000 are not UL Listed or CSA Certified.

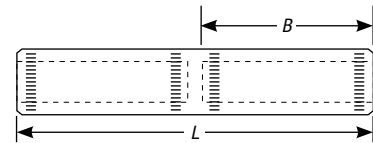


## Copper Splices

Electrolytic seamless copper tubing provides high conductivity and minimizes voltage drop.

## Copper Tin-Plated Straight Oil-Stop Splices

- Solid center stop prevents oil seepage
- Tin plated to resist corrosion



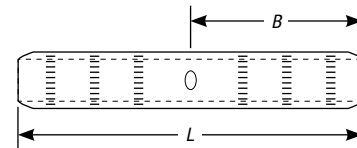
CAT. NO.	WIRE SIZE	INSTALLING DIES	B	L
PC 6	#6	7, TE, 24	1 $\frac{1}{8}$	2 $\frac{3}{8}$
PC 4	#4	$\frac{5}{16}$ , 8, TP, 29, 161	1 $\frac{1}{8}$	2 $\frac{3}{8}$
PC 2	#2	$\frac{3}{8}$ , 10, TL-TN, 162	1 $\frac{1}{4}$	2 $\frac{5}{8}$
PC 1	#1	$\frac{3}{8}$ , 11, TB, 37, 276	1 $\frac{3}{8}$	2 $\frac{7}{8}$
PC 1/0	1/0	$\frac{1}{2}$ , 12, TQ, 42, 163	1 $\frac{3}{8}$	2 $\frac{7}{8}$
PC 2/0	2/0	$\frac{9}{16}$ , 13, TS, 164, 45	1 $\frac{1}{2}$	3 $\frac{1}{8}$
PC 3/0	3/0	$\frac{5}{8}$ , 14, TU, 243, BG 50	1 $\frac{1}{2}$	3 $\frac{1}{8}$
PC 4/0	4/0	54, $\frac{5}{8}$ -1, 15, TW-TY	1 $\frac{5}{8}$	3 $\frac{3}{8}$
PC 250	250	1 $\frac{1}{8}$ , 16, TR, 166, 60	1 $\frac{5}{8}$	3 $\frac{3}{8}$
PC 300	300	781, 17, 66, TV	2	4 $\frac{1}{8}$
PC 350	350	71, 840, 18, TX, 168, 208	2	4 $\frac{1}{8}$
PC 400	400	76, 1 $\frac{5}{16}$ , 19, TX, 840	2 $\frac{1}{8}$	4 $\frac{3}{8}$
PC 500	500	251, 1, 20, TH 87	2 $\frac{1}{4}$	4 $\frac{5}{8}$
PC 600	600	1 $\frac{1}{8}$ -1, 22, 96	2 $\frac{1}{16}$	5 $\frac{1}{2}$
PC 750	750	1 $\frac{3}{16}$ , 24, 106	2 $\frac{7}{8}$	5 $\frac{7}{8}$
PC 1000	1000	1 $\frac{1}{2}$ , 27, 125, 642	3	6 $\frac{1}{8}$

## Copper Splices

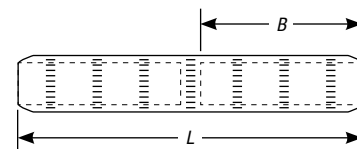
High-voltage, oil, harsh environments — these splices can handle it all.

### Copper Tin-Plated Tapered Splices

- Made from electrolytic seamless copper tubing for high conductivity and minimal voltage drop
- Tapered ends enable use in high-voltage installations up to 69kV
- Tin plated to resist corrosion and extend shelf life
- TC series features a dimpled center stop that equalizes cable insertions
- PTC series features a solid center that prevents oil seepage



"TC" Dimple Style



"PTC" Solid Center Oil Stop

DIMPLED CENTER STOP CAT. NO.	SOLID CENTER OIL STOP CAT. NO.	WIRE SIZE	INSTALLING DIES	B	L
TC 6	PTC 6	#6	7, TE, 24, 5/16	7/8	1 <sup>29</sup> / <sub>32</sub>
TC 4	PTC 4	#4	5/16, 8, TP, 29	7/8	1 <sup>29</sup> / <sub>32</sub>
TC 2	PTC 2	#2	3/8, 10, TL-TN, 33	31/32	2 <sup>1</sup> / <sub>16</sub>
TC 1	PTC 1	#1	3/8, 11, TB, 37	31/32	2 <sup>1</sup> / <sub>16</sub>
TC 1/0	PTC 1/0	1/0	1/2, 12, TQ, 42	31/32	2 <sup>1</sup> / <sub>16</sub>
TC 2/0	PTC 2/0	2/0	9/16, 13, TS, 45	1 <sup>1</sup> / <sub>32</sub>	2 <sup>7</sup> / <sub>32</sub>
TC 3/0	PTC 3/0	3/0	5/8, 14, TU, 50	1 <sup>1</sup> / <sub>8</sub>	2 <sup>13</sup> / <sub>32</sub>
TC 4/0	PTC 4/0	4/0	5/8-1, 15, TW-TY, 9A	1 <sup>1</sup> / <sub>8</sub>	2 <sup>3</sup> / <sub>8</sub>
TC 250	PTC 250	250	1 <sup>1</sup> / <sub>16</sub> , 16, TR, 60	1 <sup>7</sup> / <sub>32</sub>	2 <sup>9</sup> / <sub>16</sub>
TC 300	PTC 300	300	781, 17, 66, TV	1 <sup>1</sup> / <sub>4</sub>	2 <sup>3</sup> / <sub>8</sub>
TC 350	PTC 350	350	840, 18, TX, 71	1 <sup>5</sup> / <sub>16</sub>	2 <sup>29</sup> / <sub>32</sub>
TC 400	PTC 400	400	840, 1 <sup>5</sup> / <sub>16</sub> , 19, TX, 76	1 <sup>7</sup> / <sub>16</sub>	2 <sup>31</sup> / <sub>32</sub>
TC 500	PTC 500	500	1, 20, TH, 87	1 <sup>11</sup> / <sub>16</sub>	3 <sup>17</sup> / <sub>32</sub>
TC 600	PTC 600	600	1 <sup>1</sup> / <sub>8</sub> -1, 22, 96	2 <sup>1</sup> / <sub>16</sub>	4 <sup>1</sup> / <sub>32</sub>
TC 750	PTC 750	750	1 <sup>1</sup> / <sub>16</sub> , 24, 106	2 <sup>1</sup> / <sub>16</sub>	4 <sup>1</sup> / <sub>32</sub>
TC 800	PTC 800	800	1 <sup>7</sup> / <sub>16</sub> , 2, 25	2 <sup>1</sup> / <sub>16</sub>	4 <sup>1</sup> / <sub>32</sub>
TC 1000	PTC 1000	1000	1 <sup>1</sup> / <sub>2</sub> , 27, 125	2 <sup>1</sup> / <sub>4</sub>	5
TC 1500	PTC 1500	1500	1 <sup>3</sup> / <sub>4</sub> , 31, 150	2 <sup>3</sup> / <sub>4</sub>	6
TC 2000	PTC 2000	2000	2.00, 34, 175	3 <sup>1</sup> / <sub>8</sub>	6 <sup>3</sup> / <sub>4</sub>

## Copper Tees

Tees available in many run and tap sizes for various copper conductors.

### Copper Tin-Plated Tees

- Made from tin-plated copper for high conductivity and resistance to corrosion
- All tees marked with conductor sizes and die references for easy identification



250 T 250

Blackburn® Compression

CAT. NO.	CONDUCTOR SIZE	
	RUN	TAP
2 T 2	#2	#2
1/0 T 6	1/0	#6
1/0 T 4		#4
1/0 T 2		#2
1/0 T 1		#1
1/0 T 1/0		1/0
2/0 T 6	2/0	#6
2/0 T 4		#4
2/0 T 2		#2
2/0 T 1		#1
2/0 T 1/0		1/0
2/0 T 2/0	2/0	
3/0 T 1/0	3/0	1/0
3/0 T 3/0		3/0
4/0 T 2	4/0	#2
4/0 T 1		#1
4/0 T 1/0		1/0
4/0 T 2/0		2/0
4/0 T 4/0		4/0
250 T 2	250	#2
250 T 1		#1
250 T 1/0		1/0
250 T 2/0		2/0
250 T 4/0		4/0
250 T 250	250	
300 T 300	300	300

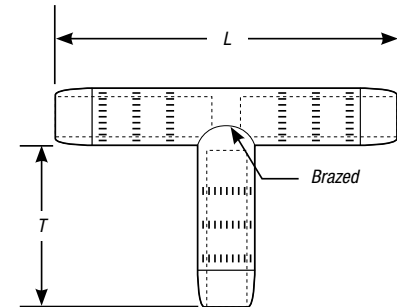
CAT. NO.	CONDUCTOR SIZE	
	RUN	TAP
350 T 1/0	350	1/0
350 T 2/0		2/0
350 T 4/0		4/0
350 T 350	350	
400 T 1/0	400	1/0
400 T 2/0		2/0
400 T 4/0		4/0
400 T 250		250
400 T 300		300
400 T 350	350	
400 T 400	400	
500 T 1/0	500	1/0
500 T 2/0		2/0
500 T 4/0		4/0
500 T 250		250
500 T 350		350
500 T 400	400	
500 T 500	500	
600 T 2/0	600	2/0
600 T 4/0		4/0
600 T 350		350
600 T 500	500	
600 T 600	600	
750 T 350	750	350
750 T 500		500
750 T 750	750	
1000 T 500	1000	500
1000 T 1000		1000

## Copper Tees

Tapered ends enable use in high-voltage applications up to 69kV.

### Copper Tin-Plated Tapered Tees

- Produced from seamless copper tubing for high conductivity
- Tin-plated to resist corrosion



CAT. NO.	RUN	TAP	L	T
TT 2-2	#2	#2	3 <sup>1</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>2</sub>
TT 1/0-6	1/0	#6	3 <sup>1</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>2</sub>
TT 1/0-4		#4	3 <sup>1</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>2</sub>
TT 1/0-2		#2	3 <sup>1</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>2</sub>
TT 1/0-1		#1	3 <sup>1</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>2</sub>
TT 1/0-1/0		1/0	4	1 <sup>1</sup> / <sub>2</sub>
TT 2/0-6	2/0	#6	3 <sup>29</sup> / <sub>32</sub>	1 <sup>1</sup> / <sub>2</sub>
TT 2/0-4		#4	3 <sup>1</sup> / <sub>32</sub>	1 <sup>1</sup> / <sub>2</sub>
TT 2/0-2		#2	4 <sup>1</sup> / <sub>32</sub>	1 <sup>1</sup> / <sub>2</sub>
TT 2/0-1		#1	4 <sup>3</sup> / <sub>32</sub>	1 <sup>1</sup> / <sub>2</sub>
TT 2/0-1/0		1/0	4 <sup>5</sup> / <sub>32</sub>	1 <sup>1</sup> / <sub>2</sub>
TT 2/0-2/0	2/0	4 <sup>3</sup> / <sub>32</sub>	1 <sup>1</sup> / <sub>2</sub>	
TT 3/0-1/0	3/0	1/0	4 <sup>7</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>8</sub>
TT 3/0-3/0		3/0	4 <sup>7</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>8</sub>
TT 4/0-2	4/0	#2	4 <sup>3</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>4</sub>
TT 4/0-1		#1	4 <sup>3</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>4</sub>
TT 4/0-1/0		1/0	4 <sup>1</sup> / <sub>4</sub>	1 <sup>3</sup> / <sub>4</sub>
TT 4/0-2/0		2/0	4 <sup>9</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>4</sub>
TT 4/0-4/0		4/0	4 <sup>7</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>4</sub>
TT 250-2	250	#2	4 <sup>1</sup> / <sub>4</sub>	1 <sup>3</sup> / <sub>4</sub>
TT 250-1		#1	4 <sup>1</sup> / <sub>4</sub>	1 <sup>3</sup> / <sub>4</sub>
TT 250-1/0		1/0	4 <sup>3</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>4</sub>
TT 250-2/0		2/0	4 <sup>3</sup> / <sub>8</sub>	1 <sup>3</sup> / <sub>4</sub>
TT 250-4/0		4/0	4 <sup>1</sup> / <sub>2</sub>	1 <sup>3</sup> / <sub>4</sub>
TT 250-250	250	4 <sup>9</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>4</sub>	
TT 300-300	300	300	4 <sup>9</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>4</sub>

*Note: For other available sizes, please consult your Thomas & Betts representative.*

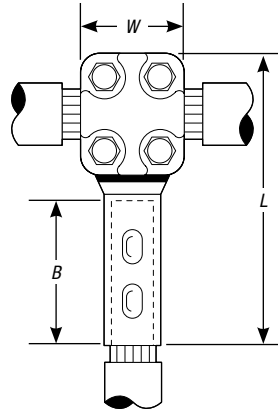
CAT. NO.	RUN	TAP	L	T
TT 350-1/0	350	1/0	5 <sup>37</sup> / <sub>64</sub>	2 <sup>13</sup> / <sub>16</sub>
TT 350-2/0		2/0	5 <sup>37</sup> / <sub>64</sub>	2 <sup>13</sup> / <sub>16</sub>
TT 350-4/0		4/0	5 <sup>29</sup> / <sub>32</sub>	2 <sup>13</sup> / <sub>16</sub>
TT 350-350	350	5 <sup>29</sup> / <sub>32</sub>	2 <sup>13</sup> / <sub>16</sub>	
TT 400-1/0	400	1/0	5 <sup>21</sup> / <sub>32</sub>	2 <sup>3</sup> / <sub>8</sub>
TT 400-2/0		2/0	5 <sup>21</sup> / <sub>32</sub>	2 <sup>3</sup> / <sub>8</sub>
TT 400-4/0		4/0	5 <sup>29</sup> / <sub>32</sub>	2 <sup>3</sup> / <sub>8</sub>
TT 400-250		250	5 <sup>21</sup> / <sub>32</sub>	2 <sup>3</sup> / <sub>8</sub>
TT 400-300		300	5 <sup>29</sup> / <sub>32</sub>	2 <sup>3</sup> / <sub>8</sub>
TT 400-400	400	6 <sup>1</sup> / <sub>32</sub>	2 <sup>3</sup> / <sub>8</sub>	
TT 500-1/0	500	1/0	6 <sup>23</sup> / <sub>64</sub>	2 <sup>19</sup> / <sub>32</sub>
TT 500-2/0		2/0	6 <sup>23</sup> / <sub>64</sub>	2 <sup>19</sup> / <sub>32</sub>
TT 500-4/0		4/0	6 <sup>19</sup> / <sub>32</sub>	2 <sup>19</sup> / <sub>32</sub>
TT 500-250		250	6 <sup>17</sup> / <sub>32</sub>	2 <sup>19</sup> / <sub>32</sub>
TT 500-350		350	6 <sup>21</sup> / <sub>32</sub>	2 <sup>19</sup> / <sub>32</sub>
TT 500-400	400	6 <sup>23</sup> / <sub>32</sub>	2 <sup>19</sup> / <sub>32</sub>	
TT 500-500	500	6 <sup>23</sup> / <sub>32</sub>	2 <sup>19</sup> / <sub>32</sub>	
TT 600-2/0	600	2/0	7 <sup>1</sup> / <sub>16</sub>	3 <sup>3</sup> / <sub>8</sub>
TT 600-4/0		4/0	7 <sup>1</sup> / <sub>16</sub>	3 <sup>3</sup> / <sub>8</sub>
TT 600-350		350	7 <sup>9</sup> / <sub>16</sub>	3 <sup>3</sup> / <sub>8</sub>
TT 600-500	500	7 <sup>11</sup> / <sub>16</sub>	3 <sup>3</sup> / <sub>8</sub>	
TT 600-600	600	7 <sup>1</sup> / <sub>8</sub>	3 <sup>3</sup> / <sub>8</sub>	
TT 750-350	750	350	9 <sup>1</sup> / <sub>2</sub>	4 <sup>1</sup> / <sub>4</sub>
TT 750-500		500	9 <sup>1</sup> / <sub>2</sub>	4 <sup>1</sup> / <sub>4</sub>
TT 750-750	750	9 <sup>1</sup> / <sub>2</sub>	4 <sup>1</sup> / <sub>4</sub>	
TT 1000-500	1000	500	9 <sup>1</sup> / <sub>2</sub>	4 <sup>1</sup> / <sub>4</sub>
TT 1000-1000		1000	9 <sup>1</sup> / <sub>2</sub>	4 <sup>1</sup> / <sub>4</sub>

## Copper Tees

Get permanent compression on the tap and be able to disconnect in the future.

### Copper Tin-Plated Clamp Tee Connectors

- Constructed of cast copper and seamless copper tubing for high strength and high conductivity
- Tin plated to resist corrosion



Blackburn® Compression

CAT. NO.	CONDUCTOR SIZE		B	L	W
	RUN	TAP			
2131-1	750	2/0 str.	1½	4⅞	2⅞
2131-2		4/0 str.	1⅝	5	
2131-3		250	1⅝	5	
2131-4		350	2	5⅝	
2131-5		500	2¼	5⅝	
2131-6		750	2⅞	6¼	
2131-7	1000	2/0 str.	1½	4⅞	
2131-8		4/0 str.	1⅝	5	
2131-9		250	1⅝	5	
2131-10		350	2	5⅝	
2131-11		500	2¼	5⅝	
2131-12		750	2⅞	6¼	
2131-13	1500	1000	3	6⅝	
2131-14		2/0 str.	1½	4⅞	
2131-15		4/0 str.	1⅝	5	
2131-16		250	1⅝	5	
2131-17		350	2	5⅝	
2131-18		500	2¼	5⅝	
2131-19	750	2⅞	6¼		
2131-20	1000	3	6⅝		
2131-21	1500	3⅞	6⅝		
2131-22	2000	3¾	8		

## Aluminum and Copper Tee Taps

Ring bus and cable ring bus applications now have reliable connect and disconnect points.

### Aluminum and Copper NEMA Lug Tee Taps for Cable Buses

- ANLTT Series for aluminum mains and NLTT Series for copper mains — choose the taps that match your system
- Multiple options available to accommodate all sizes of standard NEMA drilled compression lugs
- Tin plated to resist corrosion



NLTT 1000

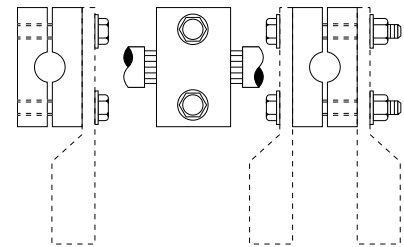


Figure 1

Figure 2

#### Tin-Plated Aluminum NEMA Lug Tee Taps

CAT. NO.	MAIN CONDUCTOR	FIGURE NUMBER/TAPS	WIDTH
ANLTT 4/0	4/0	2	1½
ANLTT 350	350		1½
ANLTT 500	500		1½
ANLTT 750	750		1¾
ANLTT 1000	1000		1¾
ANLTT 1500	1500		2½
ANLT 4/0	4/0	1	1½
ANLT 350	350		1½
ANLT 500	500		1½
ANLT 750	750		1¾
ANLT 1000	1000		1¾
ANLT 1500	1500		2½

#### Tin-Plated Copper NEMA Lug Tee Taps

CAT. NO.	MAIN CONDUCTOR	FIGURE NUMBER/TAPS	WIDTH
NLTT 4/0	4/0	2	1½
NLTT 350	350		1½
NLTT 500	500		1½
NLTT 750	750		1¾
NLTT 1000	1000		1¾
NLTT 1500	1500		2½
NLT 4/0	4/0	1	1½
NLT 350	350		1½
NLT 500	500		1½
NLT 750	750		1¾
NLT 1000	1000		1¾
NLT 1500	1500		2½

Note: For insulating covers, see page A-66.

For sizes not listed, please consult your Thomas & Betts representative.

**Blackburn®**

# **Blackburn® Tooling**

**In this section...**



## **Blackburn® Tooling**

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Manual Crimp Tools.....	E-2–E-4
Battery-Powered Crimp Tools.....	E-5–E-8
Hydraulic Crimping Head and Pump .....	E-9
Die Charts .....	E-10–E-12
Cutters .....	E-13–E-15
Accessories .....	E-16

**Thomas & Betts**

[www.tnb.com](http://www.tnb.com)

## Manual Crimp Tools

Nothing to lose — a built-in  $\frac{5}{8}$ " die is precision-cast and installs compression connectors from #8 to 4/0.

### UT 3 M Installation Tool

- Fast action — one stroke of the tool develops full compression
- SHURE-SQUEEZER™ design ensures proper compression before jaws release
- Weighs only 2.2 lbs.



CAT. NO.	DESCRIPTION
UT 3 M	Installs Compression Connectors from #8 to 4/0

Removable, reversible die installs  $\frac{1}{2}$ " and  $\frac{5}{8}$ " compression connectors.

### UT 3 Installation Tool and Upper Dies

- Also accommodates UT 3-4 G GOLD DIE, a  $\frac{1}{2}$ " and  $\frac{5}{8}$ " gold upper die for ACSR and UT 3-4 R RED DIE, a  $\frac{1}{2}$ " and  $\frac{5}{8}$ " red upper die for compressed and compact stranded wire
- Fast action — one stroke of the tool develops full compression
- SHURE-SQUEEZER™ design ensures proper compression before jaws release
- Weighs only 2.2 lbs.



CAT. NO.	DESCRIPTION
<b>Installation Tool</b>	
UT 3	Installs Compression Connectors on ACSR, Stranded, Compressed and Compact Stranded
<b>Upper Dies</b>	
UT 3-4 G GOLD DIE	$\frac{1}{2}$ " and $\frac{5}{8}$ " Gold Upper Die for ACSR and Stranded
UT 3-4 R RED DIE	$\frac{1}{2}$ " and $\frac{5}{8}$ " Red Upper Die for Compressed and Compact Stranded



## Manual Crimp Tools

Integral self-gauging system in tool head ensures proper adjustment before each crimp.

### Blackburn® OD Mechanical Compression Tools

- OD58 Tool includes 5/8" fixed die in nose and can also accept other standard insert dies, such as O, D, 840, etc.
- ODF and ODB Tools feature fixed O and D dies for versatility
- ODB Tools also accept other standard MD6 insert dies
- Optional fiberglass handles provides better balance, resulting in easier handling and positioning
- Optional lever action (indicated by L72 suffix) has been optimized and tested to require minimum force to crimp

CAT. NO.	DESCRIPTION	HANDLE LENGTH (IN.)	WEIGHT (LB.)
OD58	Fixed 5/8" Die, Straight Wooden Handles	21	6.5
OD581	Fixed 5/8" Die, Fiberglass Handles	21	6.0
OD583	Fixed 5/8" Die, Curved Wooden Handles	21	6.5
ODF	Fixed O and D Dies, Straight Wooden Handles	21	6.5
ODF1	Fixed O and D Dies, Fiberglass Handles	21	6.0
ODF3	Fixed O and D Dies, Curved Wooden Handles	21	6.5
ODB	Fixed O and D Dies, Straight Wooden Handles	21	6.5
ODB1	Fixed O and D Dies, Fiberglass Handles	21	6.0
ODB3	Fixed O and D Dies, Curved Wooden Handles	21	6.5
OD58L72	Fixed 5/8" Die, Hotstick Handles 1.5" x 72"	72	10.5
ODBL72	Fixed O and D Dies, Hotstick Handles 1.5" x 72"	72	10.5
ODH1	Insulating Head Covers	—	.40



Blackburn® Tooling

## Manual Crimp Tools

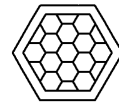
### TBM14M 14-Ton Manual Hydraulic Crimp Tool

- Features short fiberglass handles for insulation and ease of use in tight spaces
- Two-stage pump provides rapid advance for fast installation
- Uses standard T&B 15500 Series dies



#### Specifications

- Installing Range:
  - 63105 to 63148 aluminum H-taps
  - Up to 900 kcmil copper lugs & splices
  - Up to 750 kcmil aluminum lugs & splices
  - CHT814-10 to CHT2502-6 copper H-taps
  - 54755 to 54775 C-taps
- Output Force: 14 tons
- Length: 24"
- Weight without Dies: 15.4 lbs.



Creates hex-style crimp

CAT. NO.	DESCRIPTION
TBM14M	14-Ton Manual Hydraulic Crimp Tool with Case

## Battery-Powered Crimp Tools

### Li Inline 6-Ton Closed Crimp Tool

- Designed with a rotating 180° head and integrated LED work lights offering more maneuverability in tight spaces, while still providing 6 tons of parallel action crimping force
- Designed for one-handed control ram advancement and retraction with a rapid advance feature that decreases crimp time
- Accepts W-style dies
- 14.4V DC motor

#### Specifications

- Capacity: Cu #8-600 kcmil  
Al #8-400 kcmil
- Output: 6 Tons
- Dimensions: 18"L x 3.5"W x 4.5"H
- Weight: 8.75 lbs. with Battery

CAT. NO.	DESCRIPTION
TBM62CR-LI	Li Inline 6-Ton Closed Crimp Tool



### Li Inline 6-Ton Open Die Crimp Tool

- Designed with rotating 180° jaws and integrated LED work lights offering more maneuverability in tight spaces, while still providing 6 tons of scissor-action crimping force
- Designed for one-handed control ram advancement and retraction with a rapid advance feature that decreases crimp time
- Accepts W-style dies
- 14.4V DC motor

#### Specifications

- Capacity: Cu #8-500 kcmil  
Al #8-350 kcmil
- Output: 6 Tons
- Dimensions: 20"L x 3.5"W x 4.5"H
- Weight: 8.75 lbs. with Battery

CAT. NO.	DESCRIPTION
TBM6UNICR-LI	Li Inline 6-Ton Open Die Crimp Tool



## Battery-Powered Crimp Tools

### Li Inline 6-Ton Open OD Crimp Tool

- Designed with rotating 180° jaws and integrated LED work lights offering more maneuverability in tight spaces, while still providing 6 tons of scissor-action crimping force
- Designed for one-handed control ram advancement and retraction with a rapid advance feature that decreases crimp time
- Fixed “O” and “D” die, accepts W-style dies
- 14.4V DC motor

#### Specifications

- Capacity: Cu #8-300 kcmil  
Al #8-4/0 kcmi
- Output: 6 Tons
- Dimensions: 22"L x 3.5"W x 4.5"H
- Weight: 8.75 lbs. with Battery

CAT. NO.	DESCRIPTION
TBM6UCR-LI	Li Inline 6-Ton Open OD Crimp Tool



### Li 6-Ton Closed Crimp Tool

- Designed for one-handed control ram advancement and retraction
- Rotating head allows maximum flexibility for crimping
- Rapid advance feature decreases crimp time
- 14.4V DC motor

#### Specifications

- Capacity: Cu #8-600 kcmil  
Al #8-400 kcmil
- Output: 6 Tons
- Dimensions: 13"L x 2.5"W x 12"H
- Weight: 8.5 lbs. with Battery

CAT. NO.	DESCRIPTION
TBM62PCR-LI	Li 6-Ton Closed Crimp Tool



## Battery-Powered Crimp Tools

### Li 6-Ton Open Crimp Tool

- Designed for one-handed control ram advancement and retraction
- Open yoke design with rotating head allows for maximum crimping flexibility
- Protective rubber boot on head
- Rapid advance feature decreases crimp time
- 14.4V DC motor

#### Specifications

- Capacity: Cu #8–600 kcmil  
Al #8–400 kcmil
- Output: 6 Tons
- Dimensions: 13"L x 2.5"W x 12"H
- Weight: 8.5 lbs. with Battery

CAT. NO.	DESCRIPTION
TBM6PCR-LI	Li 6-Ton Open Crimp Tool



### Li 12-Ton Open Crimp Tool

- Designed for one-handed control ram advancement and retraction
- Rotating head allows maximum flexibility for crimping and a protective rubber boot on "C" head
- Rapid advance feature decreases crimp time
- 14.4V DC motor

#### Specifications

- Capacity: Cu/Al #8-750 kcmil
- Output: 12 Tons
- Dimensions: 16.5"L x 3.3"W x 12.6"H
- Weight: 16.8 lbs. with Battery

CAT. NO.	DESCRIPTION
TBM12PCR-LI	Li 12-Ton Open Crimp Tool



## Battery-Powered Crimp Tools

### Li 14-Ton Open Crimp Tool

- Installs up to 900 kcmil copper lugs and splices and up to 750 kcmil aluminum lugs and splices
- Rotating head allows maximum flexibility for crimping and a protective rubber boot on “C” head
- Rapid advance feature decreases crimp time
- 14.4V DC motor

#### Specifications

- Capacity: Cu #8-900 kcmil  
Al #10-750 kcmil
- Output: 14 Tons
- Dimensions: 19"L x 3.5"W x 10.5"H
- Weight: 20 lbs. with Battery



CAT. NO.	DESCRIPTION
TBM14CR-LI	Li 14-Ton Open Crimp Tool

### Li 15-Ton Closed Crimp Tool

- Installs up to 1500 kcmil copper lugs and splices and up to 1250 kcmil aluminum lugs and splices
- Rotating head allows maximum flexibility for crimping and features a protective rubber boot
- Rapid advance feature decreases crimp time
- 14.4V DC motor

#### Specifications

- Capacity: Cu #8-1500 kcmil  
Al #10-1250 kcmil
- Output: 15 Tons
- Dimensions: 21.5"L x 3.5"W x 10.5"H
- Weight: 24 lbs. with Battery



CAT. NO.	DESCRIPTION
TBM15CR-LI	Li 15-Ton Closed Crimp Tool

## Hydraulic Crimping Head and Pump

### TBM15I 15-Ton Hydraulic Crimping Head

- Head made of forged steel and insulated with rubber boot
- Longer, slimmer design enables easier access into tight spaces, such as in cable tray and central office applications
- Wider jaw opening eases crimping of larger lugs, C-taps and H-taps
- Uses 15600 Series dies; can also use 15500 Series dies with 15500-TB adapter



Creates hex-style crimp



#### Specifications

- Installing Range:
  - Up to 1500 kcmil copper lugs & splices
  - Up to 1000 kcmil aluminum lugs & splices
  - CHT814-10 to CHT750-350-1F copper H-taps
  - 63105 to 36180 aluminum H-taps
  - 54755 to 54790 C-taps
- Output Force: 15 tons
- Operating Pressure: 10,000 psi nominal
- Dimensions (L x W x H): 15¼" x 2⅝" x 4⅜"
- Weight without Dies: 16.5 lbs.

CAT. NO.	DESCRIPTION
<b>TBM15I</b>	Insulated 15-Ton Hydraulic Head with Steel Case
<i>15600 Series — Fits directly into tool for larger size connectors, 800 kcmil–1500 kcmil</i>	
<i>15500 Series — Used in conjunction with 15500-TB Adapter, #8 AWG–750 kcmil</i>	

### 13610A Electric Hydraulic Pump with Shure-Stake® Control

- Shure-Stake® control mechanism requires 9,800 psi pump pressure before recycling to prevent under-crimping
- Designed for use with single-acting cylinders and tools rated for 10,000-psi operation
- Supplied with metal carrying case

#### Specifications

- Motor Rating: ½ hp, 115V, 50–60 Hz, 12.5 amps
- Pumping Capacity:
  - 170 cu. in./min. at 100 psi
  - 32 cu. in./min. at 1,000 psi
  - 25 cu. in./min. at 5,000 psi
  - 18 cu. in./min. at 10,000 psi
- Reservoir Volume: 104 cu. in. (.45 gal.)
- Basic Pump Dimension: 8½" x 10½" x 16"
- Weight: 35 lbs.

CAT. NO.	DESCRIPTION
<b>13610A</b>	Electric Hydraulic Pump with Shure-Stake® control — hand or foot switch and non-metallic hose (sold separately) required for operation

#### You may also need...

<b>13611</b>	Hand Switch — 10 ft.
<b>13612</b>	Foot Switch — 10 ft.
<b>13619</b>	10-ft. Non-Metallic Hose
<b>13618</b>	20-ft. Non-Metallic Hose
<b>13797</b>	Inline Gauge



## Die Charts

### Dies for Standard Lugs & Splices

CONNECTOR SIZE			COLOR CODE	TBM6PCR-LI, TBM62PCR-LI, TBM62CR-LI, TBM6UNICR-LI				TBM12PCR-LI	
CODE COPPER	FLEX/24	AL/CU		DIE CAT. NO.	DIE CAT. NO.	HEX-FLEX® DIE CAT. NO.	HEX-FLEX® DIE CODE NO.	DIE CAT. NO.	DIE CODE NO.
8 AWG	37/24	10 AWG	RED	6TON21SS	21	6TON21XSS	21X	15520	21
6 AWG	61/24	8 AWG	BLUE	6TON24SS	24	6TON24XSS	24X	15522	24
4 AWG	91/24	6 AWG	GRAY	6TON29SS	29	6TON29XSS	29X	15527-CK	29
2 AWG	125/24		BROWN	6TON33SS	33	6TON33XSS	33X	15528	33
1 AWG	150/24	4 AWG	GREEN	6TON37SS	37	6TON37XSS	37X	15513-CK	37
1/0	225/24	2 AWG	PINK	6TON42SS	42	6TON42XSS	42X	15508	42
2/0	275/24		BLACK	6TON45SS	45	6TON45XSS	45X	15526	45
3/0	325/24		ORANGE	6TON50SS	50H	6TON50XSS	50X	15530	50
4/0	450/24		PURPLE	6TON54SS	54H	6TON54XSS	54X	15511	54
250 kcmil	550/24		YELLOW	6TON62SS	62H	6TON62XSS	62X	15510-CK	62
		1 AWG	GOLD	6TON45SS	45			15526	45
		1/0	TAN	6TON50SS	50H			15530	50
		2/0	OLIVE	6TON54SS	54H			15511	54
		3/0	RUBY	6TON60SS	60H			15532-CK	60
300 kcmil	650/24	4/0	WHITE	6TON66SS	66H	6TON66XSS	66X	15534	66
350 kcmil	775/24 (short)	250 kcmil	RED	6TON71SS	71H			15514-CK	71
400 kcmil	775/24 (long)	300 kcmil	BLUE	6TON76SS	76H			15512	76
	925/24*		N/A	6TON80SS	80H			15517	80H
500 kcmil	925/24	350 kcmil	BROWN	6TON87SS	87H			15506	87H
600 kcmil	1100/24	400 kcmil	GREEN	6TON94SS	94H			15536-CK	94H
700 kcmil	1325/24	500 kcmil	PINK					15505	99H
750 kcmil	1600/24**	650 kcmil	BLACK					15515-CK	106H
800 kcmil			ORANGE					15540	107H
		700 kcmil	PURPLE						
900 kcmil	1925/24	750 kcmil	YELLOW					15504	115H
1000 kcmil		800 kcmil	N/A						
		1000 kcmil	N/A						

\*Standard barrel only. Long barrel requires Brown 87H.

\*\*Flex wire size 1600/24 requires long barrel only with die code Black 106H.

† HEX-FLEX® Dies are sold separately in halves. The catalog numbers shown in the chart above are for the upper half of the die. For the bottom half (the indenter), order one Cat. No. 6TONX for all 6TONX Series, one Cat. No. 15500X for 15500X Series Die Codes 21X-94X and one Cat. No. 15600X for all 15600X Series Die Codes 62X-115X.

‡ These dies require adapter 15500-TB to be used in the TBM15CR-LI.

Tool Warranty Applies: Refer to [www.tnb.com](http://www.tnb.com) for full warranty terms.



## Die Charts

TBM14CR-LI			TBM15CR-LI							
	HEX-FLEX® DIE CAT. NO.†	HEX-FLEX® DIE CODE NO.	DIE CAT. NO.‡	DIE CODE NO.	FULL DIE CAT. NO.	FULL DIE CODE NO.	HEX-FLEX® DIE CAT. NO.†‡	HEX-FLEX® DIE CODE NO.	HEX-FLEX® FULL DIE CAT. NO.†	HEX-FLEX® FULL DIE CODE NO.
	15520X	21X	15520	21	15520F	21	15520X	21X		
	15522X	24X	15522	24	15522F	24	15522X	24X		
	15527X	29X	15527-CK	29	15527F	29	15527X	29X		
	15528X	33X	15528	33	15528F	33	15528X	33X		
	15513X	37X	15513-CK	37	15513F	37	15513X	37X		
	15508X	42X	15508	42	15508F	42	15508X	42X		
	15526X	45X	15526	45	15526F	45	15526X	45X		
	15530X	50X	15530	50	15530F	50	15530X	50X		
	15511X	54X	15511	54	15511F	54	15511X	54X		
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					15609	112H				
			15504	115H	15504F	115H			15604X	115X
					15603	125H				
					15602	140H				
					15601	150H				

## Die Charts

### Type OD Tool Dies

CAT. 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 (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 Gray
BY21C*	3/8 Brown
BY23C*	1/2 Pink
BY24C*	1/2-1 Gold
BY25C*	9/16 Tan/Orange
BY27C*	11/16 Yellow
BY31C*	5/16-1 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.

### U-Type Dies

CAT. NO.	DESCRIPTION OR COLOR CODE
B58CS	3/4 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
B08CHI	Tan/Orange
B09CHI	Olive/Purple
B11CH	Red/Blue
B10SH	—
B05CH	Green
B26CH	Ruby/Yellow
B71CH	Red
B72CH	Black
B73CH	Blue
B74CH	Gray
B75CH	Brown
B76CH	Pink
B10CHI	White
B12CHI	Brown

## Cutters

### 368-CK Cable Stripper

CAT. NO.	DESCRIPTION
368-CK	Cable stripper for #1 AWG to 1,000 kcmil



Blackburn® Tooling

### CSR750 Cable Cutter

- Special advance stroke mechanism requires less handle force
- Cuts copper or aluminum cables up to 750 kcmil
- Short handles (only 10" long) enable use in tight spaces

CAT. NO.	DESCRIPTION
CSR750	Cutter for up to 750 kcmil copper or aluminum



## Cutters

Drop-forged cutting blades and fiberglass handles designed for easy field replacement.

### Utility Cable Slicers

- Rugged fiberglass handles provide many years of dependable service
- Drop-forged cutting blade's slicing action provides flush, burr-free conductor ends
- Well-designed handle stops prevent "knuckle busting" during use



#### .....Specifications for UT 4 C.....

- Maximum Range: 600 Al–350 Cu
- Max. OD Inc. Insulation: 1/8"
- Overall Length (in.): 21

#### .....Specifications for UT 6 C.....

- Maximum Range: 1000 Al–500 Cu
- Max. OD Inc. Insulation: 2"
- Overall Length (in.): 31 1/2"

CAT. NO.	DESCRIPTION
UT 4 C	Cable Slicer — Small
UT 6 C	Cable Slicer — Large

**Note:** For use on copper and aluminum cable only. Not for use on steel or ACSR cable.  
For insulating covers for the area where the blades and handles are joined, please consult your Thomas & Betts representative.

## Li Cutter for 750 kcmil Cu, 636 kcmil ACSR

- Designed for one-handed control of blade advancement and retraction
- Cuts up to 750 kcmil copper, 2 1/8" O.D. aluminum, and 636 kcmil ACSR
- 14.4V DC motor

#### ..... Specifications.....

- Capacity: Cu 750 kcmil  
Al 1500 kcmil  
ACSR 636 kcmil
- Output: N/A
- Dimensions: 16"L x 4.5"W x 5"H
- Weight: 5.8 lbs. with Battery



CAT. NO.	DESCRIPTION
TBM54CTS-LI	Li Cutter for 750 kcmil Cu, 636 kcmil ACSR

## Cutters

### Li Cutter for Up to 1500 kcmil Cu

- Designed for one-handed control of blade advancement and retraction
- Cuts up to 1000 kcmil copper and 2½" O.D. aluminum (not for use on ACSR)
- 14.4V DC Motor

#### Specifications

- Capacity: Cu 750 kcmil  
Al 1500 kcmil  
ACSR 636 kcmil
- Output: N/A
- Dimensions: 16"L x 4.5"W x 5"H
- Weight: 5.8 lbs. with Battery

CAT. NO.	DESCRIPTION
TBM54CT-LI	Li Cutter for Up to 1500 kcmil Cu



### Li Cutter for Steel, ACSR, Al, Cu

- Designed for one-handed control of blade advancement and retraction with a rotating head to allow maximum flexibility for cutting
- Features a two-stage rapid advance ram for reduced cycles with overload bypass protection, which will pop off if the material is beyond the cutter's capacity
- Cuts up to 1½" O.D. copper, aluminum and ACSR cable
- Cuts rebar, ground rod up to ¾" and wire rope up to ¾"
- 14.4V DC Motor

#### Specifications

- Dimensions: 17.5"L x 2.5"W x 13"H
- Weight: 14.6 lbs. with Battery
- Capacity: Wire rope ¾"  
Rebar ¾"  
Ground Rod ¾"  
ACSR 1½"  
Cu/Al cable 1½"
- Output: N/A

CAT. NO.	DESCRIPTION
TBM58PCTS-LI	Li Cutter for Steel, ACSR, Al, Cu



## Accessories

### Li Battery

- Standard battery platform across all new Li-Ion tools
- Provides more crimps per charge than standard Ni-MH batteries
- Lithium Ion



CAT. NO.	DIMENSIONS	WEIGHT	CAPACITY	OUTPUT
144-BAT-LI	4.2"L x 3.3"W x 2.6"H	1.2 lbs.	3.0 Ah	14.4V DC

### Adapter for Li Battery

- Converts older TBM series battery tools with poke-in style battery to the new Li-Ion battery platform, allowing for higher productivity as batteries are interchangeable across the Li-Ion tools



CAT. NO.	DIMENSIONS	WEIGHT	CAPACITY	OUTPUT
144-ADP-LI	N/A	N/A	N/A	N/A

### Li Battery Charger

- Charger works across the standard battery platform for all new Li-Ion tools



CAT. NO.	DIMENSIONS	WEIGHT	INPUT VOLTAGE	OUTPUT
144-CHR-LI	9"L x 5.7"W x 3.2"H	3.5 lbs.	100-240V AC50/60 Hz	10.8-14.4V DC 7A 28.8V DC 3A

The compact, dependable tool for turning a screw.

### Allen Wrench



- PVC-dipped handle gives you a steady grip while turning
- Available for 5/16" and 3/8" hex screws to match the most popular screw sizes

CAT. NO.	HEX SIZE (IN.)
WA 516	5/16
WA 38	3/8

### Type WW Wire Bristle Brush

- Removes oxides from conductor surfaces
- Easy-grip handle with guard to prevent rubber-glove puncture
- Replaceable long-life brushes can be rotated
- Handle and guard coated with durable, nonconductive plastic for safety



CAT. NO.	DESCRIPTION
WWB1	Complete Brush with Handle
WRB1	Wire Element Only, Pair

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04/15/2.5M CAT315

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