

# CATEGORY INDEX

**Split Bolts** *Copper, Dual-rated, Two-bolt Taps*



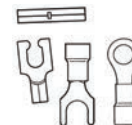
Pages **8-9**

**Terminal Lugs** *Mechanical, Copper, Bronze*



Pages **10-11**

**Crimp Terminals** *Bare, Insulated Barrels (Vinyl, Nylon), Disconnects, High Temperature, Display Packaged*



Pages **12-18**

**SNAP Connectors** *One-hole lugs, 2-hole NEMA lugs, Splices*



Pages **20-41, 99**

**Compression** *Copper, Dual-rated Aluminum, Splices, Lugs, Tees, Adapters, Reducers, Flex Wire Connectors*



**Tooling & Accessories** *Hydraulic - Dies, Manual - Dieless, Oxide-inhibitor, Hole-Reducer Adapters*

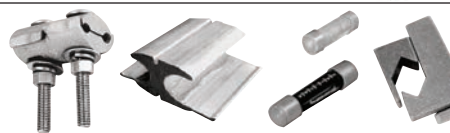
Pages **42-45**

**Mechanical Dual-rated** *Aluminum Lugs, Panelboard Connectors, Splices, Lay-in-Lugs, Transformer Lug Kits*



Pages **46-50**

**Service Entrance** *Parallel Clamps, Compression Sleeves, H-Taps, Vise*



Pages **51-54**

**Power Distribution**  
*USA/USAD/PBS Series Insulated Connectors, SPD Side-Stacker™ One-pole Modules, Neutral Bars, Insulation Piercing Connectors, Gutter Taps*



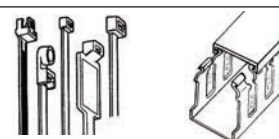
Pages **55-65**

**Underground** *Splice, Multi-cable, UF Splice, Splice Kits & Covers*



Pages **66-70**

**Wire Management** *Cable Ties, Panel Channel™ Wiring Duct*



Pages **71-73**

**Grounding & Bonding** *Low-Wing™ Clamps, Rebar Clamps, Ground-Lok™ & Jones Bond™ Systems, Pool & Spa, I-Beam Clamps, Direct Burial, Ground-Pres™ System*



Pages **74-98**

**Substation** *Trego™ Connectors, Transformer, Tubular Bus, Flat Bus, HV Stud, Aluminum Compression*



Pages **100-122**

**Hardware** *Bolts, Nuts, Washers - Bronze, Stainless Steel*



Pages **123-127**

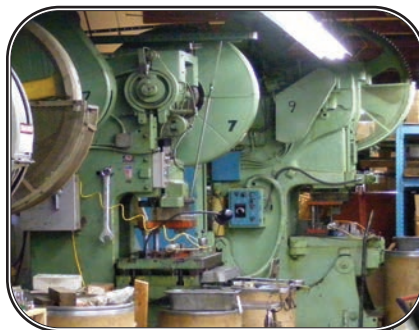
**Literature and Displays** *Technical Charts, Color Data Sheets, Counter Cards, Banners, Literature Holders, Product Displays, Floor Racks*



**Inside Back Cover**



Since 1947 Greaves has been a trusted supplier of electrical connectors for the electrical construction trades. Greaves has contributed innovations such as, the Ground-Lok™ pipe grounding system; Jones Bond™ rebar clamps for Ufer grounding; insulated PBS™ in-line splices, USA™ and USAD™ power distribution connectors; all-copper PT-FX Shoo-Pin™ and PT-R ReduceЯ™ compression pin adapters; and Shoo-In™ copper compression lugs and splices for flex cables.



After its beginning in New York in 1947 as Mercury Products, the company moved to Connecticut in 1950 and in 1982 the name was changed to Greaves Corp. In 2007 Essex Products Group acquired Greaves, and relocated the factory to nearby Clinton, CT then and in 2016 all operations moved to the headquarters in Centerbrook, CT. These relocations allowed consolidation for quick manufacturing, stocking, and customer service. As a full-line electrical connector supplier, Greaves inventories over 4000 different items.

Over the years, Greaves has added facilities and manufacturing capabilities to produce both mechanical and compression lugs, splices, and adapters as well as numerous types of bronze grounding clamps. With a broad variety of in-house metalworking and machining processes, Greaves can quickly supply both standard and special products. Greaves expertise includes design of custom products and modification of standard products for specific applications.



### GREAVES CORPORATION

P.O.Box 307  
30 Industrial Park Road  
Centerbrook, CT 06409 USA  
www.greaves-usa.com  
NAED Vendor Code No. 784491

### SALES and MANUFACTURING

860-664-4505 • Toll Free: 800-243-1130 • Fax: 860-664-4546

### ACCOUNTING

860-767-7130 ext. 32 • Fax 860-767-3579  
ar@epg-inc.com • accounting@epg-inc.com

**WEIGHT ESTIMATES** – The EST. SHIPPING WEIGHT shown in the catalog are offered only to assist the approximation of shipping cost. Actual weights may vary and packaging should be added.

### THE FOLLOWING ARE TRADEMARKS OF GREAVES CORPORATION, U.S.A

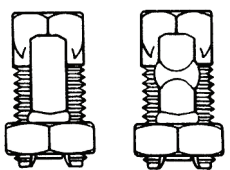
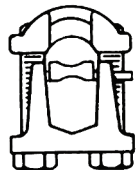
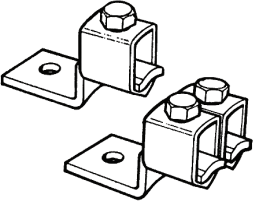
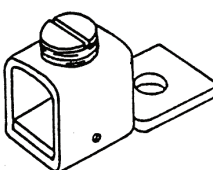
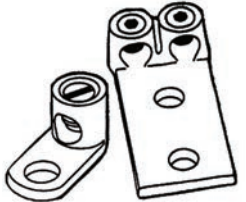



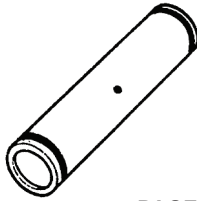

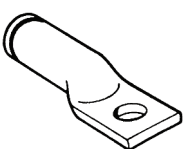
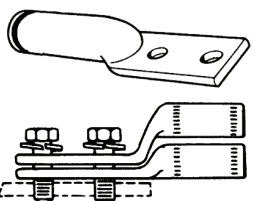
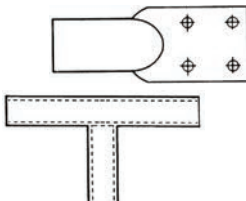
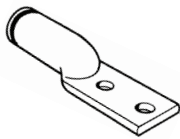
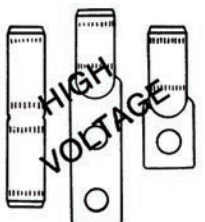
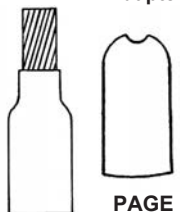

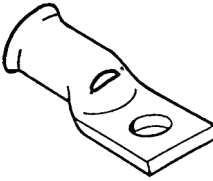

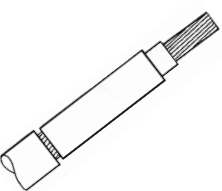
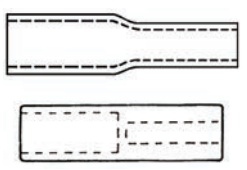
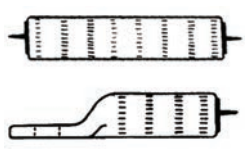
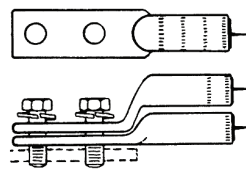
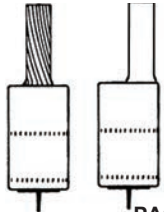


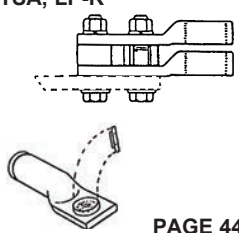

Beaver-tooth, Bellemore Bushings, Black-Bury, BLZN, BLOX, Bond-Studs, Bug-Bites, Bug-Lug, Buglugs, Bulldog, Continuous Loop, DrumBug, Durham, Ground-Lok, Ground-Pres, High-Wing, Jones, Jones Bond, Li'l Guys, Low-Wing, Lugs n Splices, Mesh-Bug, Neck-Down, Panel Channel, PBS, ReduceЯ™, Rings N Things, Shoo-in, Shoo-pin, Side-Stacker, Stacklug, Thru-Grip, Trego, USA, USAD.



# SERIES INDEX – ALPHA

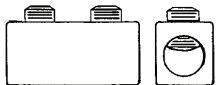
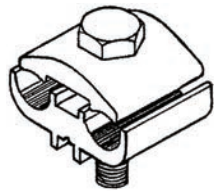

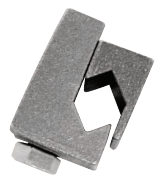
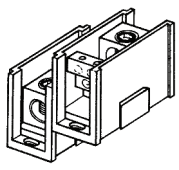
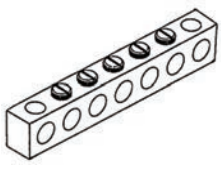



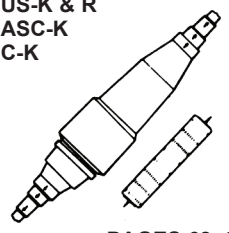

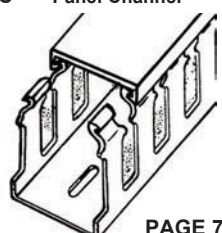
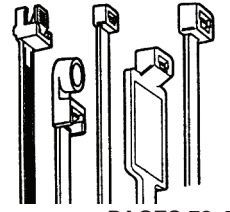

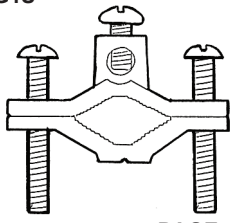



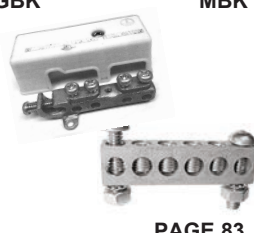
| Series       | Description                          | Page  | Series          | Description                         | Page    | Series               | Description                       | Page     |
|--------------|--------------------------------------|-------|-----------------|-------------------------------------|---------|----------------------|-----------------------------------|----------|
| <b>A</b>     |                                      |       | <b>G (cont)</b> |                                     |         | <b>P (cont)</b>      |                                   |          |
| A            | Split Bolts                          | 8     | GL-FX           | CU Compression Lugs-Flex            | 33      | PSP,PST              | Stud Connectors Trego             | 120      |
| A-,AA-       | AL Mechanical Lugs                   | 46,47 | GL-N            | CU Compression Lugs                 | 23      | PSP750               | USA Screw Port Plugs              | 63       |
| AAA-,AAAA-   | AL Mechanical Lugs                   | 47    | GL-NFX          | CU Compression Lugs-Flex            | 33      | PT,PTA,PTO           | AL Pin Terminal Adapters          | 41       |
| A-SP         | Split Bolts                          | 8     | GLT             | Transformer Grounding               | 96      | P-T                  | Tee Connectors Trego              | 111      |
| A-DB         | Mesh-Bug™ Split Bolt DB              | 80    | GP/GPC          | AL Tap Connector / Cover            | 55      | PT-FX                | CU Shoo-Pin™ Adapters-Flex        | 31       |
| ABS          | AL Mechanical Splices                | 50    | GPC,GPL,GPR     | Ground Pres™ C-Tap,Elbow,Rod        | 84      | PTN,PTV              | CU Pin Terminals                  | 15       |
| AC-R         | AL Compression Reducing Splice       | 38    | GPP             | Ground Pres™ Plate                  | 85      | PT-R                 | CU Reduce™ Adapters               | 29       |
| Adapter Zone | Adapter Zone                         | 19    | GRE             | Compression Tools                   | 42,43   | PWP,PWS              | USA Wire/Screw Port Plugs         | 63       |
| AL           | AL Compression Lugs                  | 39    | GVC             | Vice Grip Connector                 | 54      | <b>R</b>             |                                   |          |
| ALCL         | AL Compression Lugs                  | 99    | G1              | Ground-Lok™ Pipe Clamps             | 74,75   | R                    | Cable Ties - Releasable           | 73       |
| AL-N         | AL Compression Lugs                  | 40    | G1S             | Pipe Clamps-Economy                 | 76      | R,R-N,R-V            | Ring Terminals - Crimp            | 12,13    |
| ANB          | AL Neutral Bars                      | 58    | G1R-DB          | DB Rebar Clamps w/Lay-in            | 79      | R                    | DB Splice Cover                   | 69       |
| AQ           | AL Mechanical-Panel Board            | 48    | G1-SS           | Ground-Lok™ Pipe Clamps SS          | 75      | R-HT                 | Ring Terminals - High Temp        | 18       |
| ASC-K        | AL Compression Splice Kit            | 68    | G1S-SS          | Pipe Clamps-Economy SS              | 76      | <b>S</b>             |                                   |          |
| ASC-T        | AL Compression Splice                | 39    | G1S-DB          | DB Pipe Clamps-Economy              | 76,81   | S                    | Fork Terminals - Crimp            | 14       |
| ASL-N        | AL Compression                       | 40    | G1500           | 2-Wire U-bolt Ground Rod Clamp      | 77      | SB                   | Silicon Bronze Bolts              | 124,125  |
| A100         | Two-Bolt Taps                        | 9     | G18-G516        | Ground-Lok™ Assemblies              | 75      | SC                   | CU Compression Splice             | 22       |
| A500         | Two-Bolt Taps                        | 9     | G29-G580        | Ground Rod Clamps                   | 77,81   | SC-FX                | CU Compression Splice-Flex        | 32       |
| <b>B</b>     |                                      |       | G3410,G3435     | U-bolt Universal & Lrg Wire         | 77      | SEH                  | AL H-type Compression Taps        | 52       |
| B            | Cable Ties - Black                   | 72    | G5810B          | Tork-Away Clamp                     | 77      | SEN                  | AL Compression Splices- Nylon     | 53       |
| B,B-N,B-V    | Butt Splices - Crimp                 | 15    | <b>H</b>        |                                     |         | S-HT                 | Fork Terminals - High Temp        | 18       |
| B-HT         | Butt Splices - High Temp             | 18    | H               | Bus Bar Clamps Trego                | 115     | SFW                  | Silicon Bronze Flat Washers       | 125      |
| BL           | BugLug™ Grounding Connector          | 80    | HJJ,HP          | Bus Bar Taps Trego                  | 115     | SL-N                 | CU Compression Lugs               | 25       |
| BLOX         | BugLug™ Oxide Inhibitor              | 45    | HT              | High Temp Crimps                    | 18      | SLW                  | Silicon Bronze Lock Washers       | 125      |
| BLZNG        | BugLug™ Oxide Inhibitor              | 45    | HWA             | Heat Shrink-Heavy Wall, Adhesive    | 70      | SN                   | Silicon Bronze Nuts               | 125      |
| B-R          | Reducing Splices - Crimp             | 15    | <b>I</b>        |                                     |         | SNAP!                | SNAP! Connectors Lugs & Splices   | 20,21    |
| BS           | Bond Studs                           | 97    | ID              | Cable Ties - ID tag                 | 73      | SP                   | Male Snap Plugs                   | 15       |
| BTL          | AL Beaver Tooth Lug                  | 96    | IPC             | Insulation Piercing Conn.           | 55      | SPD                  | Side-Stacker™ Modules             | 56,57    |
| BTL-DB       | CU DB Beaver Tooth Lug               | 80,97 | <b>J</b>        |                                     |         | SPD-C                | Side-Stacker™ Covers              | 57       |
| <b>C</b>     |                                      |       | J-DB            | Rebar Clamp                         | 79,80   | SS                   | SS Hardware                       | 126,127  |
| C            | CU Compression Splices               | 22    | JA              | Terminal Lugs Trego                 | 100     | SS-A,B,C,D           | SS Kits                           | 81       |
| CBM          | CU Bonding Mesh Kit                  | 82    | JAR             | Terminal Lugs Trego                 | 102     | SSBW                 | SS Belleville Washers             | 127      |
| CCT          | CU Compression Tee                   | 26    | JAR-DB          | Terminal Lugs - Direct Burial       | 97      | <b>T</b>             |                                   |          |
| C-DB         | CU DB Compression Splice             | 85    | JJA             | Terminal Lugs Trego                 | 103,104 | TA                   | Terminal Lugs                     | 110      |
| CF           | Flexible Strap Clamp                 | 92    | JJAR            | Terminal Lugs Trego                 | 102,105 | Tork-Away            | Tork-Away™ Security Hardware      | 123      |
| C-FX         | CU Compression Splices Flex          | 32    | JL              | Terminal Adapters Trego             | 108     | TG,TGM               | Grnd Connector-Tower/Bar 1-Wire   | 95       |
| CG           | Large Pipe Clamps                    | 89    | JJL             | Terminal Adapters Trego             | 109     | TGG,TGGM             | Grnd Connector-Tower/Bar 2-Wire   | 95       |
| CH           | U-Bolt Clamps 2-Wire                 | 90    | JJU             | Multiple Cable Couplers Trego       | 116     | TJTT                 | Tee Connectors Trego              | 112      |
| C-K          | CU DB Splice Kit                     | 69    | Jones           | Jones Bond™ System                  | 80,81   | TK                   | Couplers Trego                    | 118      |
| CL           | CU Soldering Lugs (former D1 series) | 13    | <b>K</b>        |                                     |         | TKT                  | Tee Connectors Trego              | 114      |
| C-N          | Nylon Pigtail Crimps                 | 15    | KTC             | Snap Splices                        | 20      | TLK                  | Transformer Lug Kits              | 49       |
| CNB          | CU Neutral Bars                      | 58    | KTC-K           | Snap Splice Kits                    | 21      | TPK                  | Couplers Trego                    | 117      |
| CR           | Raised Floor Pedestal Clamps         | 91    | KTL, KTL-N      | Snap Lugs                           | 20      | TPT                  | Tee Connectors Trego              | 113      |
| CRA          | CU Comp. Reducing Adapter            | 36    | KTL-K, KTLN-K   | Snap Lug Kits                       | 21      | Trego                | Trego™ Power Connectors           | 100-122  |
| CRK          | CU Comp. Reducing Kits               | 37    | <b>L</b>        |                                     |         | TSA                  | Stacklug™ Stacking Adapters       | 44       |
| CTGG         | Cable Tray Clamp                     | 94    | L               | CU Compression Lugs                 | 24      | TSP,TST              | Stud Connectors Trego             | 121      |
| C-V          | CU HV Compression Splice             | 28    | LF              | Spade Adapter Trego                 | 111     | TT                   | Tee Connectors Trego              | 114      |
| C-X          | Universal Connectors                 | 96    | L-FX            | CU Compression Lugs-Flex            | 34      | <b>U</b>             |                                   |          |
| CZ           | U-Bolt Clamps - 3-Wire               | 91    | L-NDB           | CU DB Compression Lugs              | 85      | UFK                  | DB UF Splice Kit                  | 67       |
| C100         | U-Bolt Clamps - 1-Wire               | 88    | L-NFX           | CU Compression Lugs-Flex            | 35      | US-K                 | DB Splice Kit w/cover             | 68       |
| <b>D</b>     |                                      |       | L-N             | CU Compression Lugs                 | 25      | UPP                  | Underground Connectors            | 66       |
| DIE          | U-type Dies                          | 43    | L-4N            | CU Compression Lugs-4 hole          | 26      | USA                  | Insulated One-Side Entry          | 60,61    |
| DX           | CU Straight Tang Lugs                | 10    | L-NV            | CU Compression Lugs-HV              | 28      | USAD                 | Insulated Optional-Side Entry     | 60,62,63 |
| D-050        | Perforated CU Straps                 | 93    | LP-R            | Bellemore™ Reducer Bushings         | 44      | USA-M                | Mount. Insul. One-Side Entry      | 64       |
| D480-D487    | CU Grounding Straps                  | 93    | L-TC            | CU Compression Lugs-Telecomm.       | 27      | USAD-M               | Mount. Insul. Optional-Side Entry | 65       |
| D700         | CU Tang & Collar Lugs                | 10    | L-V             | CU HV Compression Lugs              | 28      | <b>W</b>             |                                   |          |
| D800-D836    | CU/Bronze Terminal Lugs              | 11    | <b>M</b>        |                                     |         | WPC,WTT              | Bus Support Trego                 | 122      |
| D899-D901    | CU Tang & Collar Lugs-2 Wire         | 10    | M,M-N,M-V       | Male Disconnects-Crimp              | 16      | <b>X</b>             |                                   |          |
| <b>F</b>     |                                      |       | M               | Cable Ties-Mounting - Natural       | 73      | XA                   | Terminal Lugs Trego               | 110      |
| F,F-N,F-V    | Female Disconnects - Crimp           | 16    | MB              | Cable Ties-Mounting - Black         | 73      | XPA                  | Terminal Lugs Trego               | 106      |
| FB           | Flexible Braid - Coils               | 93    | MBK             | Intersystem Bonding Kit - CU        | 83      | XSP,XST              | Stud Connectors Trego             | 119      |
| F-FN         | Female Discon.-Fully Insul. Nylon    | 17    | M-FN            | Male Disconnects-Fully Insul. Nylon | 17      | <b>Abbreviations</b> |                                   |          |
| F-HT         | Female Disconnects-High Temp         | 18    | M-HT            | Male Disconnects-High Temp          | 18      | AL                   | Aluminum                          |          |
| FJ           | Flexible Jumper Straps               | 92    | MMF             | Spade Disconnect - Splitter         | 17      | BS                   | Brass Screws                      |          |
| FL           | Female Disconnects-Flag              | 17    | MP              | Cable Tie Mounting Pads             | 73      | Brnz                 | Bronze                            |          |
| F-NSP        | Stud Spade Adapter Trego             | 122   | <b>N</b>        |                                     |         | Comp.                | Compression                       |          |
| FSP          | Female Snap Plugs                    | 15    | N               | Cable Ties - Natural                | 72      | CU                   | Copper                            |          |
| <b>G</b>     |                                      |       | ND-R            | CU Compression Reducers             | 38      | Discon.              | Disconnects                       |          |
| GAC          | AL Pipe Clamps                       | 76    | <b>P</b>        |                                     |         | DB                   | Direct Burial                     |          |
| GBB          | Grounding Bus Bar                    | 98    | PA              | Terminal Lugs Trego                 | 106     | Grnd                 | Grounding/Ground                  |          |
| GBC          | I-Beam Grounding Clamps              | 86,87 | PAC             | AL Parallel Clamps                  | 51      | HV                   | High Voltage                      |          |
| GBK          | Intersystem Bonding Kit - Brnz Bar   | 83    | PBS             | Inline Splice - Insulated           | 60      | Insul.               | Insulated                         |          |
| G150-DB      | DB Low-Wing™ Series                  | 78    | PC              | Panel Channel™ Wiring Duct          | 71      | Mount.               | Mountable                         |          |
| GFGC         | Fence Grounding Clamp                | 92    | PD              | AL Neutral Bars                     | 59      | SS                   | Stainless Steel                   |          |
| GL           | CU Compression Lugs                  | 23    | PK              | Couplers Trego                      | 116     |                      |                                   |          |

# PICTORIAL INDEX

|  |   |  |   |   |
|--|---|--|---|---|
| <p><b>A &amp; A-SP</b></p>  <p>PAGE 8</p>   | <p><b>A100, A500</b></p>  <p>PAGE 9</p>                    | <p><b>D700, D899</b></p>  <p>PAGE 10</p>  | <p><b>DX</b></p>  <p>PAGE 10</p>                                      | <p><b>D800</b></p>  <p>PAGE 11</p>                   |
| <p><b>Crimp Terminals</b></p>  <p>PAGES 12-18</p>                                  | <p>GO TO THE<br/><b>GREAVES<br/>ADAPTER<br/>ZONE</b></p> <p>PAGES 19</p>  | <p><b>KTL, KTL-N, KTC</b></p> <p><i>SNAP!</i><br/>Connectors</p>  <p><i>SNAP+</i><br/>Kits</p>  <p>PAGES 20-21</p> | <p><b>SC &amp; C</b></p>  <p>PAGE 22</p>                              | <p><b>GL &amp; GL-N</b></p>  <p>PAGE 23</p>          |
| <p><b>L</b></p>  <p>PAGE 24</p>  | <p><b>L-N &amp; SL-N</b></p>  <p>PAGE 25</p>              | <p><b>L-4N, CCT</b></p>  <p>PAGE 26</p>  | <p><b>L-TC</b></p>  <p>PAGE 27</p>                                   | <p><b>V</b></p> <p>HIGH VOLTAGE</p>  <p>PAGE 28</p> |
| <p><b>PT-R ReduceR™ Adapters</b></p>  <p>PAGE 29</p>                            | <p><b>FX FLEX-CABLE SIZING GUIDE</b></p>  <p>PAGE 30</p> | <p><b>PT-FX Shoo-Pin™ Adapters</b></p>  <p>PAGE 31</p>  | <p><b>FX Shoo-in™ Lugs &amp; Splices</b></p>  <p>PAGES 32-35</p>    | <p><b>CRA Adapters</b></p>  <p>PAGE 36</p>         |
| <p><b>CRK Kits</b></p>  <p>PAGE 37</p>  | <p><b>ND-R, AC-R</b></p>  <p>PAGE 38</p>                 | <p><b>ASC-T, AL</b></p>  <p>PAGE 39</p>   | <p><b>AL-N &amp; ASL-N</b></p>  <p>PAGE 40</p>                      | <p><b>PT, PTA, PTO</b></p>  <p>PAGE 41</p>         |
| <p><b>GRE<br/>COMPRESSION<br/>TOOLING AND<br/>DIES</b></p>  <p>PAGES 42, 43</p> | <p><b>U-Type Dies</b></p>  <p>PAGE 43</p>                | <p><b>TSA, LP-R</b></p>  <p>PAGE 44</p>  | <p><b>BLNZG, BLOX BUG•LUG™ OXIDE INHIBITOR</b></p>  <p>PAGE 45</p> |   |


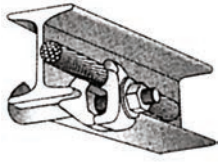
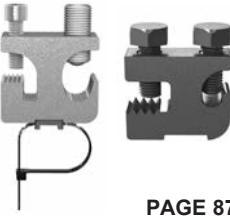
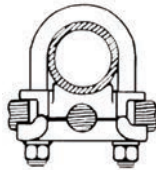
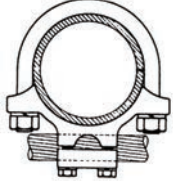

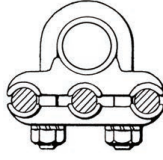
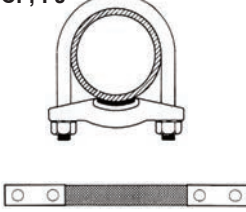

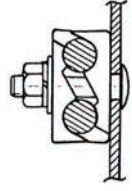
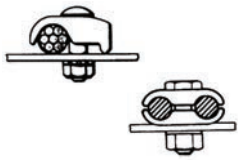
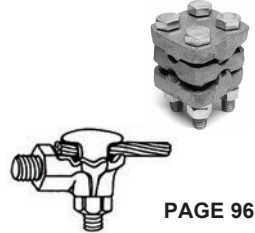
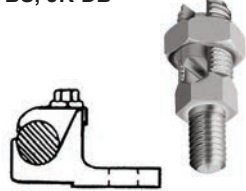


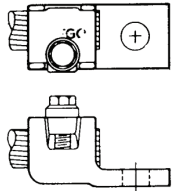
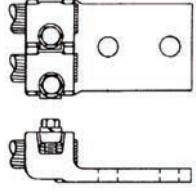
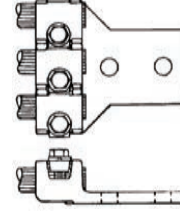
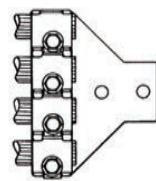
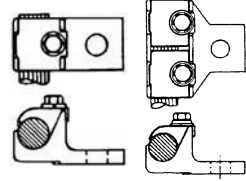
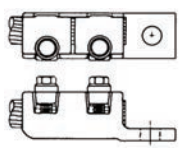
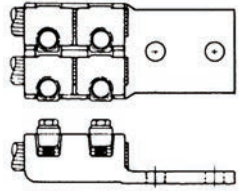
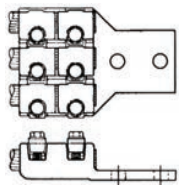
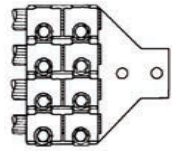
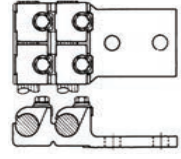
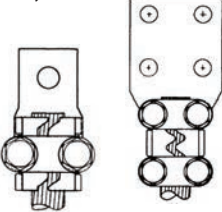
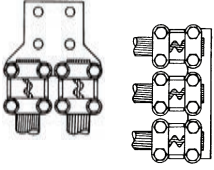
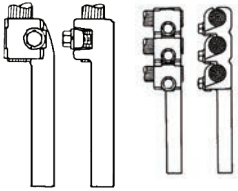
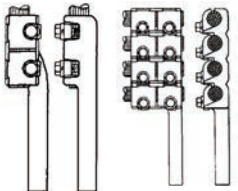
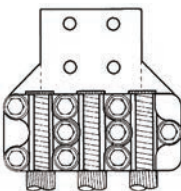


# PICTORIAL INDEX

|  |   |   |   |   |
|--|---|---|---|---|
| <p>A, AA, AAA, AAAA</p>  <p>PAGES 46, 47</p>          | <p>AQ</p>  <p>PAGE 48</p>                                    | <p>TLK</p>  <p>PAGE 49</p>  | <p>ABS</p>  <p>PAGE 50</p>                 |   |
| <p>PAC</p>  <p>PAGE 51</p>                            | <p>SEH</p>  <p>PAGE 52</p>                                   | <p>SEN</p>  <p>PAGE 53</p>   | <p>GVC</p>  <p>PAGE 54</p>                 | <p>IPC, GP &amp; GPC</p>  <p>PAGE 55</p>         |
| <p>SPD Side-Stacker™</p>  <p>PAGES 56, 57</p>        | <p>ANB, CNB, PD</p>  <p>PAGES 58, 59</p>                    | <p>PBS, USA, USAD<br/>INSULATED POWER CONNECTORS</p>  <p>PAGES 60-65</p> | <p>UPP Black-bury™</p>  <p>PAGE 66</p>    |   |
| <p>UFK</p>  <p>PAGE 67</p>                          | <p>US-K &amp; R<br/>ASC-K<br/>C-K</p>  <p>PAGES 68, 69</p> | <p>HWA</p>  <p>PAGE 70</p>   | <p>PC Panel Channel™</p>  <p>PAGE 71</p> | <p>CABLE TIES, MOUNTS</p>  <p>PAGES 72, 73</p> |
| <p>G1 Ground-Lok™ System</p>  <p>PAGES 74, 75</p>   | <p>G1S</p>  <p>PAGE 76</p>                                 | <p>G</p>  <p>PAGE 77</p>   | <p>G-DB Low-Wing™</p>  <p>PAGE 78</p>    | <p>J-DB, G-DB, GR-DB</p>  <p>PAGE 79</p>       |
| <p>J-DB JONES BOND™ SYSTEM</p>  <p>PAGES 80, 81</p> | <p>CBM</p>  <p>PAGE 82</p>                                 | <p>GBK MBK</p>  <p>PAGE 83</p>  | <p>GPC, GPR, GPL</p>  <p>PAGE 84</p>     |   |

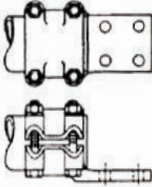
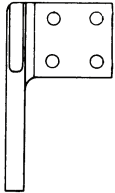
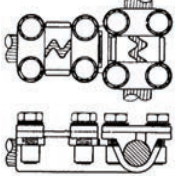
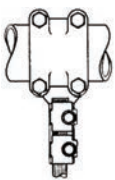
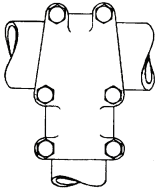
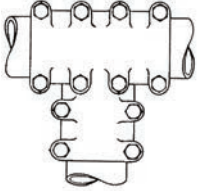
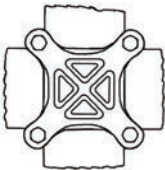
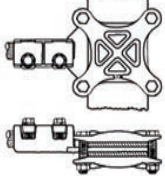
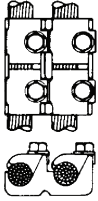
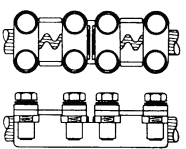
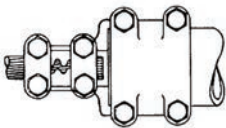
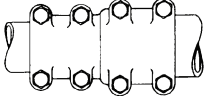
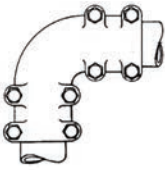
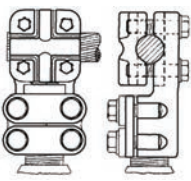
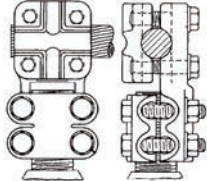
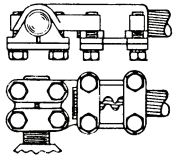
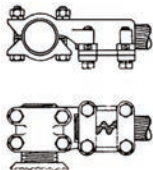
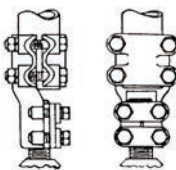
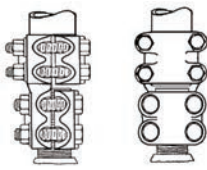
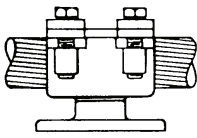
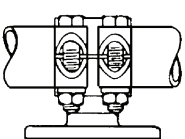
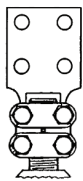


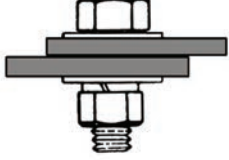

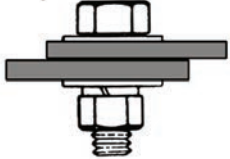
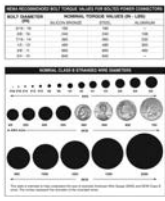

**R  
E  
B  
A  
R**

# PICTORIAL INDEX

|   |   |   |  |  |
|---|---|---|--|--|
| <p><b>L-NDB, G-DB, GPP</b></p>  <p><b>PAGE 85</b></p>    | <p><b>GBC I-Beam Clamps</b></p>  <p><b>PAGE 86</b></p> | <p><b>GBC I-Beam Clamps</b></p>  <p><b>PAGE 87</b></p> | <p><b>C100</b></p>  <p><b>PAGE 88</b></p>                  | <p><b>CG</b></p>  <p><b>PAGE 89</b></p>                   |
| <p><b>CH</b></p>  <p><b>PAGE 90</b></p>                  | <p><b>CZ, CR</b></p>  <p><b>PAGE 91</b></p>            | <p><b>CF, FJ</b></p>  <p><b>PAGE 92</b></p>            | <p><b>D480, D, FB</b></p>  <p><b>PAGE 93</b></p>           | <p><b>CTGG</b></p>  <p><b>PAGE 94</b></p>                 |
| <p><b>TG, TGM, TGG, TGGM</b></p>  <p><b>PAGE 95</b></p> | <p><b>C-X, GLT, BTL</b></p>  <p><b>PAGE 96</b></p>    | <p><b>BS, JR-DB</b></p>  <p><b>PAGE 97</b></p>        | <p><b>GBB</b></p>  <p><b>PAGE 98</b></p>                  | <p><b>ALCL</b></p>  <p><b>PAGE 99</b></p>                |
| <p><b>JA</b></p>  <p><b>PAGE 100</b></p>               | <p><b>2JA</b></p>  <p><b>PAGE 100</b></p>            | <p><b>3JA</b></p>  <p><b>PAGE 101</b></p>            | <p><b>4JA</b></p>  <p><b>PAGE 101</b></p>                | <p><b>JAR, JJAR</b></p>  <p><b>PAGE 102</b></p>         |
| <p><b>JJA</b></p>  <p><b>PAGE 103</b></p>              | <p><b>2JJA</b></p>  <p><b>PAGE 103</b></p>           | <p><b>3JJA</b></p>  <p><b>PAGE 104</b></p>           | <p><b>4JJA &amp; 5JJA</b> --</p>  <p><b>PAGE 104</b></p> | <p><b>2JJAR &amp; 3JJAR</b></p>  <p><b>PAGE 105</b></p> |
| <p><b>XPA, PA</b></p>  <p><b>PAGE 106</b></p>          | <p><b>2PA, 3PA90</b></p>  <p><b>PAGE 107</b></p>     | <p><b>JL, JL90</b></p>  <p><b>PAGE 108</b></p>       | <p><b>JJL, 2, 3, 4JJL90</b></p>  <p><b>PAGE 109</b></p>  | <p><b>XA</b></p>  <p><b>PAGE 110</b></p>                |



# PICTORIAL INDEX

|  |  |   |  |  |
|--|--|---|--|--|
| <p>TA, TA-90</p>  <p>PAGE 110</p>                 | <p>LF</p>  <p>PAGE 111</p>                    | <p>PT</p>  <p>PAGE 111</p>                                 | <p>TJJT, TPT</p>  <p>PAGES 112, 113</p>                         | <p>TT</p>  <p>PAGE 114</p>                  |
| <p>TKT</p>  <p>PAGE 114</p>                       | <p>H</p>  <p>PAGE 115</p>                     | <p>HJJ, HP</p>  <p>PAGE 115</p>                            | <p>JJU</p>  <p>PAGE 116</p>                                     | <p>PK</p>  <p>PAGE 116</p>                  |
| <p>TPK</p>  <p>PAGE 117</p>                      | <p>TK</p>  <p>PAGE 118</p>                    | <p>TK90</p>  <p>PAGE 118</p>                              | <p>XSP</p>  <p>PAGE 119</p>                                    | <p>XST</p>  <p>PAGE 119</p>                |
| <p>PSP, PSP90</p>  <p>PAGE 120</p>              | <p>PST, PST90</p>  <p>PAGE 120</p>          | <p>TSP, TSP90</p>  <p>PAGE 121</p>                       | <p>TST, TST90</p>  <p>PAGE 121</p>                            | <p>WPC</p>  <p>PAGE 122</p>               |
| <p>WTT</p>  <p>PAGE 122</p>                     | <p>FNSP</p>  <p>PAGE 122</p>                | <p>Tork-Away™<br/>Security Hardware</p>  <p>PAGE 123</p> | <p>BOLTS - BRONZE</p>  <p>PAGE 124</p>                        | <p>HARDWARE - BRONZE</p>  <p>PAGE 125</p> |
| <p>BOLTS - STAINLESS STEEL</p>  <p>PAGE 126</p> | <p>HARDWARE - ST STEEL</p>  <p>PAGE 127</p> | <p>DATA</p>  <p>PAGE 128</p>                             | <p>LITERATURE AND MERCHANDISING</p>  <p>INSIDE BACK COVER</p> |  |



## SPLIT BOLTS

High strength solderless service connector  
 High strength copper alloy  
 Suitable for direct burial in earth and concrete

For copper and copperweld wires

### A SERIES

| NAED NUMBER | CATALOG NUMBER | MAX. WIRE EQUAL RUN EQUAL TAP | MIN. TAP WITH MAX. RUN | RECOMMENDED TORQUE INCH-LBS | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|-------------------------------|------------------------|-----------------------------|---------|---------------|------|
|             |                |                               |                        |                             |         | WEIGHT (lbs)  | UNIT |
| 10130       | A 2            | 8 STR                         | 14 STR                 | 80                          | 100     | 3.3           | CTN  |
| 10180       | A 3            | 6 SOL                         | 12 STR                 | 165                         | 100     | 4.5           | CTN  |
| 10240       | A 5            | 6 STR                         | 12 STR                 | 165                         | 100     | 5.3           | CTN  |
| 10350       | A 8            | 2 STR                         | 12 STR                 | 275                         | 100     | 9.7           | CTN  |
| 10400       | A 10           | 1/0 STR                       | 12 STR                 | 385                         | 50      | 7.8           | CTN  |
| 10430       | A 11           | 2/0 STR                       | 12 STR                 | 385                         | 25      | 4.8           | CTN  |
| 10460       | A 12           | 3/0 STR                       | 8 STR                  | 450                         | 25      | 7.7           | CTN  |
| 10490       | A 14           | 4/0-250 MCM                   | 8 STR                  | 600                         | 25      | 8.7           | CTN  |
| 10520       | A 15           | 350 MCM                       | 1/0 STR                | 600                         | 12      | 6.2           | CTN  |
| 10550       | A 16           | 500 MCM                       | 2/0 STR                | 750                         | 12      | 8.9           | CTN  |
| 10580       | A 17           | 750 MCM                       | 4/0 STR                | 900                         | 3       | 5.1           | CTN  |
| 10610       | *A 18          | 1000 MCM                      | 4/0 STR                | 1000                        | 3       | 7.5           | CTN  |



#### TYPE FOR THREE MAXIMUM SIZE WIRES

|       |       |       |        |     |     |      |     |
|-------|-------|-------|--------|-----|-----|------|-----|
| 10140 | A 2 L | 8 STR | 14 STR | 80  | 100 | 3.1  | CTN |
| 10220 | A 4   | 6 SOL | 14 STR | 165 | 100 | 5.5  | CTN |
| 10280 | A 6   | 4 SOL | 12 STR | 165 | 100 | 5.8  | CTN |
| 10380 | A 9   | 2 STR | 10 STR | 275 | 100 | 10.4 | CTN |

For further wire range data, consult factory.  
 \*Size not UL.

### UNIVERSAL SPLIT BOLTS

All purpose type  
 High-strength copper alloy  
 Electro tin plated  
 Spacer bar separates wires

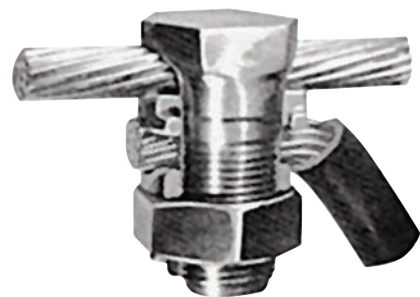
Dual-Rated



### A-SP SERIES

Tin-Plated with Spacer

| NAED NUMBERS | CATALOG NUMBER | MAXIMUM CONDUCTOR |        | RECOMMENDED TORQUE INCH-LBS | CTN QTY | EST. SHIPPING |      |
|--------------|----------------|-------------------|--------|-----------------------------|---------|---------------|------|
|              |                | CU - AL           | ACSR   |                             |         | WEIGHT (lbs)  | UNIT |
| 10210        | A 3SP          | 6 SOL             | -      | 165                         | 100     | 5.1           | CTN  |
| 10270        | A 5SP          | 4 SOL             | 6      | 165                         | 100     | 6.1           | CTN  |
| 10370        | A 8SP          | 2 STR             | 2      | 275                         | 100     | 11.5          | CTN  |
| 10420        | A 10SP         | 1/0 STR           | 1      | 385                         | 50      | 9.1           | CTN  |
| 10450        | A 11SP         | 2/0 STR           | 1/0    | 385                         | 25      | 5.4           | CTN  |
| 10480        | A 12SP         | 3/0 STR           | 2/0    | 450                         | 25      | 8.5           | CTN  |
| 10510        | A 14SP         | 250 MCM           | 4/0    | 600                         | 25      | 9.9           | CTN  |
| 10540        | A 15SP         | 350 MCM           | 266.8  | 600                         | 12      | 10.2          | CTN  |
| 10570        | A 16SP         | 500 MCM           | 397.5  | 750                         | 12      | 10.2          | CTN  |
| 10600        | A 17SP         | 750 MCM           | 666.6  | 900                         | 3       | 5.4           | CTN  |
| 10630        | *A 18SP        | 1000 MCM          | 900.00 | 1000                        | 3       | 8.2           | CTN  |



For Copper to copper  
 Aluminum to copper  
 Aluminum to aluminum  
 Steel to copper  
 Steel to aluminum

For further wire range data, consult factory.  
 UL listed for copper to copper applications only.  
 \*Size not UL.





# GREAVES

## TAP CONNECTORS

### TWO-BOLT TAPS

Bronze body and hardware

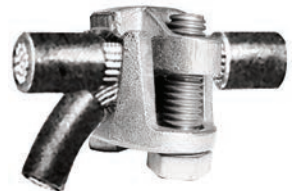
Suitable materials for direct burial in earth and concrete

### A100 SERIES

| NAED NUMBER | CATALOG NUMBER | WIRE RANGE |         |          |      | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|------------|---------|----------|------|---------|---------------|------|
|             |                | MAIN       |         | TAP      |      |         | WEIGHT (lbs)  | UNIT |
|             |                | MAX.       | MIN.    | MAX.     | MIN. |         |               |      |
| 12100       | A 104          | 1/0 STR    | #2      | 1/0 STR  | #10  | 12      | 2.7           | CTN  |
| 12120       | A 105          | 2/0 STR    | #2      | 2/0 STR  | #10  | 12      | 4.0           | CTN  |
| 12140       | A 106          | 4/0 STR    | 2/0     | 4/0 STR  | #6   | 12      | 4.0           | CTN  |
| 12160       | A 107          | 350 MCM    | 4/0     | 350 MCM  | #4   | 6       | 5.9           | CTN  |
| 12180       | A 108          | 500 MCM    | 400 MCM | 500 MCM  | 2/0  | 6       | 5.0           | CTN  |
| 12200       | A 109          | 800 MCM    | 400 MCM | 800 MCM  | 3/0  | 3       | 5.2           | CTN  |
| 12220       | A 110          | 1000 MCM   | 500 MCM | 1000 MCM | 3/0  | 2       | 4.7           | CTN  |

If spacer bars are required, add suffix "WS" to the Catalog Number.

For copper cable

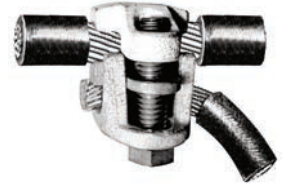


### A500 SERIES

Tin-Plated with Spacer

| NAED NUMBER | CATALOG NUMBER | WIRE RANGE |         |          |      | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|------------|---------|----------|------|---------|---------------|------|
|             |                | MAIN       |         | TAP      |      |         | WEIGHT (lbs)  | UNIT |
|             |                | MAX.       | MIN.    | MAX.     | MIN. |         |               |      |
| 12240       | A 504          | 1/0 STR    | #2      | 1/0 STR  | #10  | 12      | 5.3           | CTN  |
| 12260       | A 505          | 2/0 STR    | #2      | 2/0 STR  | #10  | 12      | 4.2           | CTN  |
| 12280       | A 506          | 4/0 STR    | 2/0     | 4/0 STR  | #6   | 12      | 4.9           | CTN  |
| 12300       | A 507          | 350 MCM    | 4/0     | 350 MCM  | #4   | 6       | 6.9           | CTN  |
| 12320       | A 508          | 500 MCM    | 400 MCM | 500 MCM  | 2/0  | 6       | 6.0           | CTN  |
| 12340       | A 509          | 800 MCM    | 400 MCM | 800 MCM  | 3/0  | 3       | 5.4           | CTN  |
| 12360       | A 510          | 1000 MCM   | 500 MCM | 1000 MCM | 3/0  | 2       | 5.6           | CTN  |

Dual-Rated



For copper to aluminum



## TERMINAL LUGS

### TANG & COLLAR LUGS – COPPER

Electrolytic copper tang and collar, plated steel screws

Compact

Economical

For copper cable

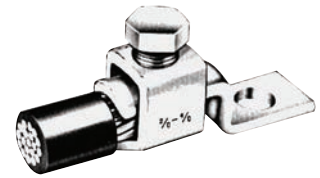
#### D700 SERIES

| NAED NUMBER | CATALOG NUMBER | WIRE RANGE   | RATING AMP NEC | BOLT SIZE | TORQUE IN-LBS | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|--------------|----------------|-----------|---------------|---------|---------------|------|
|             |                |              |                |           |               |         | WEIGHT (lbs)  | UNIT |
| 50500       | <b>*D 703</b>  | #10-14 STR   | 25             | 1/8       | 20            | 200     | 2.47          | CTN  |
| 50520       | <b>*D 704</b>  | #6-14 STR    | 35-50          | 3/16      | 35            | 200     | 4.82          | CTN  |
| 50660       | <b>*D 711</b>  | #4-14 STR    | 70             | 1/4       | 110           | 200     | 5.95          | CTN  |
| 50540       | <b>*D 705</b>  | #2-8 STR     | 70-90          | 1/4       | 50            | 100     | 3.89          | CTN  |
| 50560       | <b>*D 706</b>  | 1/0#6 STR    | 125            | 1/4       | 50            | 100     | 10.55         | CTN  |
| 50700       | <b>D 713</b>   | 3/0-#4 STR   | 175            | 3/8       | 110           | 50      | 8.48          | CTN  |
| 50580       | <b>D 707</b>   | 4/0-#2 STR   | 225            | 5/16      | 200           | 25      | 5.67          | CTN  |
| 50640       | <b>D 710</b>   | 350-1/0 STR  | 300            | 3/8       | 250           | 20      | 8.96          | CTN  |
| 50600       | <b>D 708</b>   | 500-1/0 STR  | 400            | 3/8       | 375           | 12      | 8.60          | CTN  |
| 50620       | <b>D 709</b>   | 1000-600 MCM | 650            | 1/2       | 400           | 1       | 1.80          | EA   |

\* Supplied with slotted screws, for screwdriver use.

PLATING: For tin plating add suffix "P" to Catalog Number.

#### One-Wire



#### Two-Wire

| NAED NUMBER | CATALOG NUMBER | WIRE RANGE   | RATING AMP NEC | BOLT SIZE | TORQUE IN-LBS | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|--------------|----------------|-----------|---------------|---------|---------------|------|
|             |                |              |                |           |               |         | WEIGHT (lbs)  | UNIT |
| 50720       | <b>D 899</b>   | 4/0-#2 STR   | 450            | 3/8       | 200           | 10      | 6.04          | CTN  |
| 50740       | <b>D 900</b>   | 350 -1/0 STR | 600            | 3/8       | 250           | 5       | 4.46          | CTN  |
| 50760       | <b>D 901</b>   | 500 -1/0 STR | 800            | 1/2       | 375           | 4       | 6.56          | CTN  |

PLATING: For tin plating add suffix "P" to Catalog Number.



### STRAIGHT TANG LUGS – COPPER

Electrolytic copper tang and collar, plated steel screws

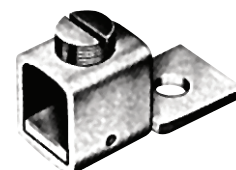
Compact

Economical

#### DX SERIES

| NAED NUMBER | CATALOG NUMBER | WIRE RANGE | BOLT SIZE | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|------------|-----------|---------|---------------|------|
|             |                |            |           |         | WEIGHT (lbs)  | UNIT |
| 50480       | <b>DX 6</b>    | #6-14      | 3/16      | 100     | 2.04          | CTN  |
| 50481       | <b>DX 4</b>    | #4-14      | 1/4       | 100     | 3.31          | CTN  |

#### One-Wire







# TERMINAL LUGS

## BULL-DOG™ LUGS COPPER, CAST BRONZE

Heavy duty  
High conductivity  
High strength copper or copper alloy bronze

For copper cable



Figure 1

| NAED NUMBER          | CATALOG NUMBER  | WIRE RANGE |         | BOLT SIZE | AMP NEC. | FIG. | CTN QTY | EST. SHIPPING |      |
|----------------------|-----------------|------------|---------|-----------|----------|------|---------|---------------|------|
|                      |                 | MAX.       | MIN.    |           |          |      |         | WEIGHT (lbs)  | UNIT |
| <b>SINGLE BARREL</b> |                 |            |         |           |          |      |         |               |      |
| 51100                | <b>*D 800</b>   | #8 STR     | #14 SOL | #10       | 35       | 1    | 100     | 1.42          | CTN  |
| 51120                | <b>*D 801</b>   | #4 STR     | #14 SOL | 1/4       | 70       | 1    | 100     | 3.41          | CTN  |
| 51140                | <b>D 802</b>    | 1/0 STR    | #8 SOL  | 5/16      | 125      | 1    | 50      | 3.77          | CTN  |
| 51180                | <b>D 804**</b>  | 250 MCM    | 1/0 STR | 3/8       | 250      | 2    | 25      | 5.75          | CTN  |
| 51220                | <b>D 805</b>    | 500 MCM    | 4/0 STR | 1/2       | 400      | 2    | 10      | 5.60          | CTN  |
| 51260                | <b>D 806</b>    | 1000 MCM   | 500 MCM | 1/2       | 600      | 2    | 4       | 5.12          | CTN  |
| <b>SINGLE BARREL</b> |                 |            |         |           |          |      |         |               |      |
| 51300                | <b>†D 812**</b> | 1/0 STR    | #4 SOL  | 3/8       | 125      | 3    | 50      | 8.66          | CTN  |
| 51340                | <b>†D 814</b>   | 250 MCM    | 1/0 STR | 3/8       | 250      | 3    | 25      | 7.75          | CTN  |
| 51380                | <b>†D 815</b>   | 500 MCM    | 4/0 STR | 3/8       | 500      | 3    | 6       | 5.00          | CTN  |
| 51390                | <b>D 815 N</b>  | 500 MCM    | 4/0 STR | 1/2       | 500      | 3    | 6       | 5.00          | CTN  |
| 51420                | <b>D 816 N</b>  | 1000 MCM   | 500 MCM | 1/2       | 650      | 3    | 1       | 1.50          | EA   |
| <b>TWIN BARREL</b>   |                 |            |         |           |          |      |         |               |      |
| 51460                | <b>D 824 N</b>  | 250 MCM    | 1/0 STR | 1/2       | 500      | 4    | 6       | 5.58          | CTN  |
| 51500                | <b>D 825 N</b>  | 500 MCM    | 4/0 STR | 1/2       | 800      | 4    | 1       | 1.95          | EA   |
| 51515                | <b>D 825 N4</b> | 500 MCM    | 4/0 STR | 1/2       | 800      | 5    | 1       | 1.91          | EA   |
| 51540                | <b>D 826 N4</b> | 1000 MCM   | 500 MCM | 1/2       | 1300     | 5    | 1       | 3.30          | EA   |
| <b>TRIPLE BARREL</b> |                 |            |         |           |          |      |         |               |      |
| 51580                | <b>D 834 N</b>  | 250 MCM    | 1/0 STR | 1/2       | 750      | 6    | 1       | 1.21          | EA   |
| 51620                | <b>D 835 N</b>  | 500 MCM    | 4/0 STR | 1/2       | 1200     | 6    | 1       | 2.40          | EA   |
| 51700                | <b>D 835 N4</b> | 500 MCM    | 4/0 STR | 1/2       | 1200     | 7    | 1       | 2.45          | EA   |
| 51660                | <b>D 836 N4</b> | 1000 MCM   | 500 MCM | 5/8       | 1950     | 7    | 1       | 4.00          | EA   |

Suffix N or N4 indicates 2 or 4 hole NEMA tang drilling, 1 3/4" center spacing for 1/2" bolts

†Lugs with 2 holes for 3/8" bolts have 1" center spacing

\*Plated-steel slotted head screws

\*\*Stainless steel screws with hex socket

D805-D836N4 supplied with brass screws with hex socket

For tin plating, add suffix letter "P" to Catalog Number.

D800-D805 are UL listed

D806-D836N4 are CSA certified

For Lug dimensions, refer to specification sheet #1079

Cast Bronze



Figure 2



Figure 3



Figure 4

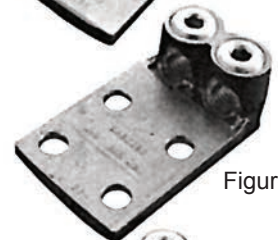


Figure 5



Figure 6

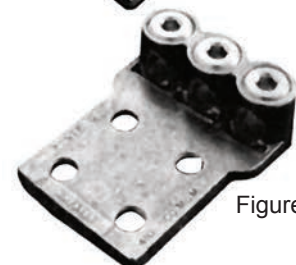


Figure 7

## RING TERMINALS



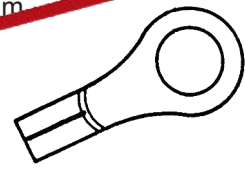
### R SERIES

#### NON-INSULATED

| NAED NUMBER | CATALOG NUMBER | WIRE SIZE | STUD SIZE | COLOR | DIMENSIONS |      | QTY/ BOX | EST. SHIPPING |      |
|-------------|----------------|-----------|-----------|-------|------------|------|----------|---------------|------|
|             |                |           |           |       | L          | W    |          | WEIGHT (lbs)  | UNIT |
| 16006       | R 18-6         | #18-22    | 6         | -     | .61        | .315 | 100      | 0.17          | BOX  |
| 16008       | R 18-8         |           | 8         |       |            |      |          | 0.17          | BOX  |
| 16010       | R 18-10        |           | 10        |       |            |      |          | 0.14          | BOX  |
| 16014       | R 18-14        |           | 1/4       |       | .79        | .472 |          | 0.15          | BOX  |
| 16026       | R 14-6         | #14-16    | 6         | -     | .50        | .256 | 100      | 0.18          | BOX  |
| 16028       | R 14-8         |           | 8         |       |            |      |          | 0.17          | BOX  |
| 16030       | R 14-10        |           | 10        |       |            |      |          | 0.15          | BOX  |
| 16034       | R 14-14        |           | 1/4       |       | .63        | .315 |          | 0.18          | BOX  |
| 16036       | R 14-56        |           | 5/16      |       | 1.0        | .4   |          | 0.2           | BOX  |
| 16046       | R 10-6         | #10-12    | 6         | -     | .77        | .37  | 100      | 0.18          | BOX  |
| 16048       | R 10-8         |           | 8         |       |            |      |          | 0.18          | BOX  |
| 16050       | R 10-10        |           | 10        |       |            |      |          | 0.15          | BOX  |
| 16054       | R 10-14        |           | 1/4       |       | .91        | .472 |          | 0.25          | BOX  |
| 16056       | R 10-56        |           | 5/16      |       | 1.10       | .591 |          | 0.29          | BOX  |
| 16058       | R 10-38        |           | 3/8       |       | 1.10       | .591 |          | 0.28          | BOX  |
| 16060       | R 10-48        |           | 1/2       |       | 1.40       | .81  |          | 0.47          | BOX  |
| 16064       | *R 8-14        | #8        | 1/4       | -     | 1.07       | .60  | 25       | 0.22          | BOX  |
| 16068       | *R 8-20        |           | 3/8       |       |            |      |          | 0.20          | BOX  |
| 16084       | *R 6-14        |           | 1/4       |       |            |      |          | 0.31          | BOX  |
| 16088       | *R 6-38        | #6        | 3/8       | -     | 1.20       | .63  | 25       | 0.26          | BOX  |
| 16089       | *R 6-48        |           | 1/2       |       |            |      |          | 0.47          | BOX  |

DISCONTINUED

Butted Seam



Non-Insulated

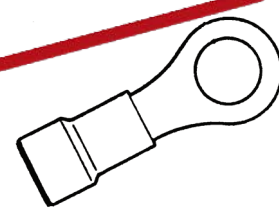
Brazed Seam

#### VINYL INSULATED

| NAED NUMBER | CATALOG NUMBER | WIRE SIZE | STUD SIZE | COLOR | DIMENSIONS |      | QTY/ BOX | EST. SHIPPING |      |
|-------------|----------------|-----------|-----------|-------|------------|------|----------|---------------|------|
|             |                |           |           |       | L          | W    |          | WEIGHT (lbs)  | UNIT |
| 16104       | * R 18-4V      | #18-22    | 4         | RED   | .90        | .25  | 100      | 0.20          | BOX  |
| 16106       | R 18-6V        |           | 6         |       |            |      |          | 0.20          | BOX  |
| 16108       | R 18-8V        |           | 8         |       |            |      |          | 0.20          | BOX  |
| 16110       | R 18-10V       |           | 10        |       | .827       | .315 |          | 0.20          | BOX  |
| 16114       | * R 18-14V     |           | 1/4       |       | 1.008      | .472 |          | 0.28          | BOX  |
| 16126       | R 14-6V        | #14-16    | 6         | BLUE  | .717       | .256 | 100      | 0.22          | BOX  |
| 16128       | R 14-8V        |           | 8         |       |            |      |          | 0.25          | BOX  |
| 16130       | R 14-10V       |           | 10        |       |            |      |          | 0.20          | BOX  |
| 16124       | R 14-14V       |           | 1/4       |       | 1.059      | .472 |          | 0.28          | BOX  |
| 16136       | R 14-56V       |           | 5/16      |       | 1.059      | .472 |          | 0.28          | BOX  |
| 16138       | R 14-38V       |           | 3/8       |       | 1.10       | .591 |          | 0.27          | BOX  |
| 16146       | R 10-6V        | #10-12    | 6         | LOW   | .63        | .374 | 50       | 0.22          | BOX  |
| 16148       | R 10-8V        |           | 8         |       |            |      |          | 0.21          | BOX  |
| 16150       | R 10-10V       |           | 10        |       |            |      |          | 0.22          | BOX  |
| 16054       | R 10-14        |           | 1/4       |       | 1.201      | .472 |          | 0.29          | BOX  |
| 16056       | R 10-56        |           | 5/16      |       | 1.398      | .591 |          | 0.28          | BOX  |
| 16058       | R 10-38        |           | 3/8       |       | 1.398      | .591 |          | 0.27          | BOX  |
| 16160       | * R 10V        | #8        | #10       | RED   | 1.4        | .60  | 25       | 0.27          | BOX  |
| 16164       | * R 8-14V      |           | 1/4       |       |            |      |          | 0.25          | BOX  |
| 16168       | * R 8-38V      |           | 3/8       |       |            |      |          | 0.22          | BOX  |
| 16180       | * R 6-10V      | #6        | #10       | BLUE  | 1.5        | .62  | 25       | 0.36          | BOX  |
| 16184       | * R 6-14V      |           | 1/4       |       |            |      |          | 0.32          | BOX  |
| 16186       | * R 6-56V      |           | 5/16      |       | 1.6        | .62  |          | 0.34          | BOX  |
| 16188       | * R 6-38V      |           | 3/8       |       | 1.6        | .62  |          | 0.35          | BOX  |
| 16189       | * R 6-48V      |           | 1/2       |       | 2.0        | .87  |          | 0.51          | BOX  |

DISCONTINUED

Butted Seam



Vinyl Insulated

Brazed Seam

\*Not UL, CSA.





# GREAVES

## RING TERMINALS

### R SERIES

#### NYLON INSULATED

| NAED NUMBER | CATALOG NUMBER | WIRE SIZE | STUD SIZE | COLOR  | L    | W    | QTY/ BOX | EST. SHIPPING |      |
|-------------|----------------|-----------|-----------|--------|------|------|----------|---------------|------|
|             |                |           |           |        |      |      |          | WEIGHT (lbs)  | UNIT |
| 16206       | R 18-6N        | #18-22    | 6         | RED    | .83  | .315 | 100      | 0.20          | BOX  |
| 16208       | R 18-8N        |           | 8         |        | .83  | .315 |          | 0.20          | BOX  |
| 16210       | R 18-10N       |           | 10        |        | .83  | .315 |          | 0.20          | BOX  |
| 16214       | R 18-14N       |           | 1/4       |        | 1.01 | .472 |          | 0.30          | BOX  |
| 16226       | R 14-6N        | #14-16    | 6         | BLUE   | .72  | .315 | 100      | 0.23          | BOX  |
| 16228       | R 14-8N        |           | 8         |        | .85  | .315 |          | 0.24          | BOX  |
| 16230       | R 14-10N       |           | 10        |        | .85  | .315 |          | 0.23          | BOX  |
| 16234       | R 14-14N       |           | 1/4       |        | 1.01 | .472 |          | 0.36          | BOX  |
| 16236       | R 14-56N       | 5/16      | 1.0       |        | 1.0  | .472 |          | 0.40          | BOX  |
| 16246       | R 10-6N        | #10-12    | 6         | YELLOW | 1.00 | .374 | 50       | 0.28          | BOX  |
| 16248       | R 10-8N        |           | 8         |        | 1.00 | .374 |          | 0.28          | BOX  |
| 16250       | R 10-10N       |           | 10        |        | 1.00 | .374 |          | 0.28          | BOX  |
| 16254       | R 10-14N       |           | 1/4       |        | 1.20 | .472 |          | 0.34          | BOX  |
| 16256       | R 10-56N       | 5/16      | 1.40      | .591   | 1.40 | .591 |          | 0.34          | BOX  |
| 16258       | R 10-38N       | 3/8       | 1.40      | .591   | 1.40 | .591 |          | 0.34          | BOX  |
| 16264       | * R 4-14N      | #4        | 1/4       | YELLOW | 1.80 | .68  | 10       | .30           | BOX  |
| 16266       | * R 4-56N      |           | 5/16      |        | 1.80 | .68  |          | .30           | BOX  |
| 16268       | * R 4-38N      |           | 3/8       |        | 1.80 | .68  |          | .30           | BOX  |
| 16269       | * R 4-48N      |           | 1/2       |        | 2.10 | .85  |          | .32           | BOX  |

For other sizes and types, consult factory.

\*Not UL, CSA.

### SOLDERING LUGS – COPPER

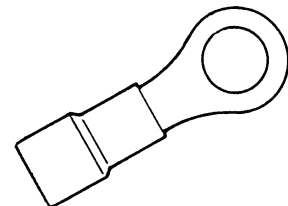
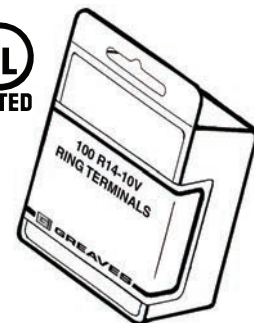
Middle weight bare copper lugs for soldering applications

Can also be installed as compression lugs

### CL SERIES (formerly D1 Series)

| NAED NUMBER | CATALOG NUMBER | WIRE SIZE | FORMER CAT. NO. | STUD SIZE | AMP RATING | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|-----------|-----------------|-----------|------------|---------|---------------|------|
|             |                |           |                 |           |            |         | WEIGHT (lbs)  | UNIT |
| 90810       | CL810          | 8         | D2              | 10        | 35         | 50      | .4            | CTN  |
| 90814       | CL814          | 8         | -               | 1/4       |            |         |               |      |
| 90610       | CL610          | 6         | D3              | 10        | 50         | 25      | .3            | CTN  |
| 90614       | CL614          | 6         | D13             | 1/4       |            |         |               |      |
| 90638       | CL638          | 6         | -               | 3/8       |            |         |               |      |
| 90612       | CL612          | 6         | -               | 1/2       |            |         |               |      |
| 90414       | CL414          | 4         | D4              | 1/4       | 70         | 25      | .35           | CTN  |
| 90438       | CL438          | 4         | D24             | 3/8       |            |         |               |      |
| 90412       | CL412          | 4         | -               | 1/2       |            |         |               |      |
| 90214       | CL214          | 2         | D5              | 1/4       | 90         | 25      | .93           | CTN  |
| 90256       | CL256          | 2         | D15             | 5/16      |            |         |               |      |
| 90238       | CL238          | 2         | D25             | 3/8       |            |         |               |      |
| 90212       | CL212          | 2         | -               | 1/2       |            |         |               |      |
| 90138       | CL138          | 1         | D255            | 3/8       | 100        | 10      | .38           | CTN  |
| 90112       | CL112          | 1         | -               | 1/2       |            |         |               |      |
| 91014       | CL1014         | 1/0       | D6              | 1/4       | 125        | 10      | .39           | CTN  |
| 91038       | CL1038         | 1/0       | D26             | 3/8       |            |         |               |      |
| 91012       | CL1012         | 1/0       | D16             | 1/2       |            |         |               |      |
| 92038       | CL2038         | 2/0       | D7              | 3/8       | 150        | 10      | .51           | CTN  |
| 92012       | CL2012         | 2/0       | D17             | 1/2       |            |         |               |      |
| 93038       | CL3038         | 3/0       | D8              | 3/8       | 175        | 10      | .63           | CTN  |
| 93012       | CL3012         | 3/0       | D18             | 1/2       |            |         |               |      |
| 94038       | CL4038         | 4/0       | D9              | 3/8       | 225        | 10      | .76           | CTN  |
| 94012       | CL4012         | 4/0       | D19             | 1/2       |            |         |               |      |

For tin plating add suffix "TP" to Catalog Number. Other sizes available, contact factory.



Nylon-Insulated  
Sleeved Barrel



www.greaves-usa.com

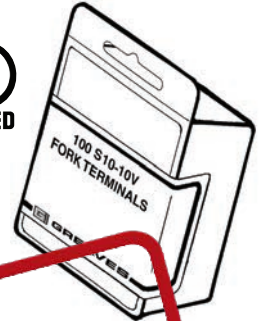
Phone 860-664-4505 • Fax 860-664-4546

TOLL FREE 1-800-243-1130 (Outside CT)



# FORK TERMINALS

## S SERIES



### NON-INSULATED

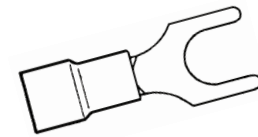
| NAED NUMBER | CATALOG NUMBER | WIRE SIZE | STUD SIZE | COLOR | DIMENSIONS |      | QTY/BOX | EST. SHIPPING |      |
|-------------|----------------|-----------|-----------|-------|------------|------|---------|---------------|------|
|             |                |           |           |       | L          | W    |         | WEIGHT (lbs)  | UNIT |
| 16301       | * S 18-4       | #18-22    | 4         | —     | .630       | .228 | 100     | 0.15          | BOX  |
| 16305       | S 18-6         |           | 6         |       | .630       | .224 |         | 0.16          | BOX  |
| 16311       | S 18-8         |           | 8         |       | .646       | .276 |         | 0.17          | BOX  |
| 16315       | S 18-10        | #14-16    | 10        | —     | .689       | .378 | 100     | 0.15          | BOX  |
| 16321       | * S 18-14      |           | 1/4       |       | .787       | .433 |         | 0.15          | BOX  |
| 16335       | S 14-6         | #14-16    | 6         | —     | .622       | .252 | 100     | 0.17          | BOX  |
| 16341       | S 14-8         |           | 8         |       | .630       | .252 |         | 0.18          | BOX  |
| 16345       | S 14-10        |           | 10        |       | .630       | .315 |         | 0.18          | BOX  |
| 16351       | S 14-14        | #10-12    | 1/4       | —     | .787       | .472 | 50      | 0.14          | BOX  |
| 16365       | S 10-6         |           | 6         |       | .711       | .354 |         | 0.14          | BOX  |
| 16371       | S 10-8         | #10-12    | 8         | —     | .711       | .354 | 50      | 0.14          | BOX  |
| 16375       | S 10-10        |           | 10        |       | .711       | .354 |         | 0.14          | BOX  |
| 16381       | S 10-14        | #10-12    | 1/4       | —     | .921       | .354 | 50      | 0.14          | BOX  |
| 16385       | S 10-14        |           | 10        |       | .921       | .354 |         | 0.14          | BOX  |



Non-Insulated Butted Seam

### VINYL INSULATED

|       |            |        |     |        |       |      |     |      |     |
|-------|------------|--------|-----|--------|-------|------|-----|------|-----|
| 16401 | * S 18-4V  | #18-22 | 4   | RED    | .846  | .228 | 100 | 0.21 | BOX |
| 16405 | S 18-6V    |        | 6   |        | .896  | .228 |     | 0.20 | BOX |
| 16411 | S 18-8V    |        | 8   |        | .862  | .250 |     | 0.20 | BOX |
| 16415 | S 18-10V   | #14-16 | 10  | —      | .906  | .376 | 100 | 0.20 | BOX |
| 16421 | * S 18-14V |        | 1/4 |        | 1.004 | .433 |     | 0.17 | BOX |
| 16431 | * S 14-4V  | #14-16 | 4   | BLUE   | .839  | .252 | 100 | 0.21 | BOX |
| 16435 | S 14-6V    |        | 6   |        | .839  | .252 |     | 0.23 | BOX |
| 16441 | S 14-8V    |        | 8   |        | .846  | .315 |     | 0.27 | BOX |
| 16445 | S 14-10V   | #10-12 | 10  | —      | .846  | .315 | 50  | 0.23 | BOX |
| 16451 | S 14-14V   |        | 1/4 |        | 1.004 | .472 |     | 0.21 | BOX |
| 16465 | S 10-6V    | #10-12 | 6   | YELLOW | 1.012 | .354 | 50  | 0.21 | BOX |
| 16471 | S 10-8V    |        | 8   |        | 1.012 | .354 |     | 0.21 | BOX |
| 16475 | S 10-10V   |        | 10  |        | 1.012 | .354 |     | 0.21 | BOX |
| 16481 | S 10-14V   | #10-12 | 1/4 | —      | 1.287 | .354 | 50  | 0.21 | BOX |
| 16485 | S 10-14V   |        | 10  |        | 1.287 | .354 |     | 0.21 | BOX |



Vinyl Insulated Butted Seam

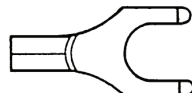
### NYLON INSULATED

|       |            |        |     |        |       |      |     |      |     |
|-------|------------|--------|-----|--------|-------|------|-----|------|-----|
| 16501 | * S 18-4N  | #18-22 | 4   | RED    | .846  | .228 | 100 | 0.21 | BOX |
| 16505 | S 18-6N    |        | 6   |        | .896  | .228 |     | 0.26 | BOX |
| 16511 | S 18-8N    |        | 8   |        | .862  | .250 |     | 0.27 | BOX |
| 16515 | S 18-10N   | #14-16 | 10  | —      | .906  | .376 | 100 | 0.28 | BOX |
| 16521 | * S 18-14N |        | 1/4 |        | 1.004 | .433 |     | 0.28 | BOX |
| 16535 | S 14-6N    | #14-16 | 6   | BLUE   | .839  | .252 | 100 | 0.29 | BOX |
| 16541 | S 14-8N    |        | 8   |        | .846  | .315 |     | 0.28 | BOX |
| 16547 | S 14-10N   |        | 10  |        | .846  | .315 |     | 0.27 | BOX |
| 16563 | S 14-14N   | #10-12 | 1/4 | —      | 1.004 | .472 | 50  | 0.35 | BOX |
| 16565 | S 10-6N    |        | 6   |        | 1.012 | .354 |     | 0.25 | BOX |
| 16571 | S 10-8N    | #10-12 | 8   | YELLOW | 1.012 | .354 | 50  | 0.25 | BOX |
| 16575 | S 10-10N   |        | 10  |        | 1.012 | .354 |     | 0.25 | BOX |
| 16581 | S 10-14N   | #10-12 | 1/4 | —      | 1.287 | .354 | 50  | 0.31 | BOX |
| 16585 | S 10-14N   |        | 10  |        | 1.287 | .354 |     | 0.31 | BOX |



Nylon Insulated Sleeved Barrel

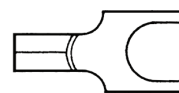
\*Not UL, CSA.



Flange Spade  
Suffix "F"  
Not UL, CSA



Locking Spade  
Suffix "L"



Block Spade  
Suffix "B"



# SPLICES

High conductivity copper, tin plated

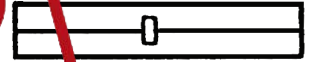


## B SERIES

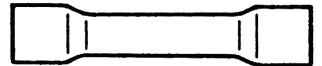
### Butt Splices

| NAED NUMBER | CATALOG NUMBER | WIRE RANGE | COLOR  | L    | QTY/ BOX | EST. SHIPPING |      |
|-------------|----------------|------------|--------|------|----------|---------------|------|
|             |                |            |        |      |          | WEIGHT (lbs)  | UNIT |
| 70000       | B 18           | #18-22     | -      | .57  | 100      | 0.19          | BOX  |
| 70001       | B 14           | #14-16     | -      | .57  | 100      | 0.23          | BOX  |
| 70002       | B 10           | #10-12     | -      | .57  | 50       | 0.21          | BOX  |
| 70004       | * B 10S        | #10-12     | -      | .88  | 50       | 0.27          | BOX  |
| 70003       | * B 8          | #8         | -      | .82  | 25       | 0.27          | BOX  |
| 70010       | B 18V          | #18-22     | RED    | .95  | 100      | 0.23          | BOX  |
| 70011       | B 14V          | #14-16     | BLUE   | 1.0  | 100      | 0.33          | BOX  |
| 70012       | B 10V          | #10-12     | YELLOW | 1.01 | 50       | 0.27          | BOX  |
| 70013       | * B 8V         | #8         | RED    | 1.46 | 5        | 0.27          | BOX  |
| 70021       | B 18           | #18-22     | RED    | 1.01 | 100      | 0.32          | BOX  |
| 70022       | * B 14N        | #14-16     | BLUE   | 1.02 | 100      | 0.33          | BOX  |
| 70022       | * B 10N        | #10-12     | YELLOW | 1.01 | 50       | 0.32          | BOX  |

Non-Insulated  
Butt Seam



Vinyl Insulated  
Butted Seam



Nylon Insulated  
Seamless



\* Seamless, not UL, not CSA

Reducing butt splices for copper wires, available bare and vinyl insulated

## B-R SERIES

### Reducing Butt Splices

| NAED NUMBER | CATALOG NUMBER | WIRE RANGE |        | COLOR  |               | QTY/ BOX | EST. SHIPPING |      |
|-------------|----------------|------------|--------|--------|---------------|----------|---------------|------|
|             |                | SIDE A     | SIDE B | SIDE A | SIDE B        |          | WEIGHT (lbs)  | UNIT |
| 54010       | B 14R18        | #16-14     | #22-18 | BLUE   | RED STRIPE    | 100      | 0.23          | BOX  |
| 54020       | B 10R14        | #12-10     | #16-14 | YELLOW | BLUE STRIPE   | 50       | 0.21          | BOX  |
| 54030       | B 8R10         | #8         | #12-10 | RED    | YELLOW STRIPE | 50       | 0.23          | BOX  |
| 54040       | B 6R8          | #6         | #8     | BLUE   | RED STRIPE    | 25       | 0.24          | BOX  |
| 70041       | B 14R18V       | #16-14     | #22-18 | BLUE   | RED STRIPE    | 100      | 0.25          | BOX  |
| 70040       | B 10R14V       | #12-10     | #16-14 | YELLOW | BLUE STRIPE   | 50       | 0.23          | BOX  |
| 70043       | B 8R10V        | #8         | #12-10 | RED    | YELLOW STRIPE | 50       | 0.23          | BOX  |
| 70042       | B 6R8V         | #6         | #8     | BLUE   | RED STRIPE    | 25       | 0.24          | BOX  |

Non-Insulated



Vinyl Insulated



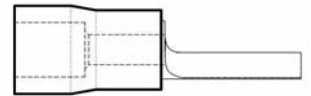
B-R series not UL listed.

## PTV, PTN SERIES

### Pin Terminals

| NAED NUMBER | CATALOG NUMBER | WIRE RANGE | COLOR  | PIN DIA. | QTY/ BOX | EST. SHIPPING |      |
|-------------|----------------|------------|--------|----------|----------|---------------|------|
|             |                |            |        |          |          | WEIGHT (lbs)  | UNIT |
| 56018       | PTV18          | 18-22      | RED    | .08      | 100      | .3            | BOX  |
| 56014       | PTV14          | 14-16      | BLUE   | .08      | 100      | .3            | BOX  |
| 56010       | PTV10          | 10-12      | YELLOW | 1.05     | 50       | .3            | BOX  |
| 56110       | PTN18          | 18-22      | RED    | .08      | 100      | .3            | BOX  |
| 56114       | PTN14          | 14-16      | BLUE   | .08      | 100      | .3            | BOX  |
| 56110       | PTN10          | 10-12      | YELLOW | 1.05     | 50       | .3            | BOX  |

Vinyl Insulated



Nylon Insulated

PTV,PTN not UL listed.

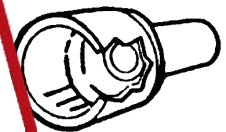
## C-N SERIES

### Nylon Pigtails

| NAED NUMBER | CATALOG NUMBER | WIRE RANGE | COLOR | L   | QTY/ BOX | EST. SHIPPING |      |
|-------------|----------------|------------|-------|-----|----------|---------------|------|
|             |                |            |       |     |          | WEIGHT (lbs)  | UNIT |
| 70031       | C 14N          | #14-16     | Clear | .60 | 100      | 0.14          | BOX  |
| 70032       | C 10N          | #10-12     | Clear | .73 | 50       | 0.15          | BOX  |

C-N not UL, CSA.

Case  
and connectors



## SP SERIES

### Snap Plugs - Male

| NAED NUMBER | CATALOG NUMBER | WIRE RANGE | COLOR | L   | QTY/ BOX | EST. SHIPPING |      |
|-------------|----------------|------------|-------|-----|----------|---------------|------|
|             |                |            |       |     |          | WEIGHT (lbs)  | UNIT |
| 70050       | SP 14M         | #14-16     | -     | .58 | 50       | 0.12          | BOX  |
| 70051       | SP 10M         | #14-16     | BLUE  | .84 | 50       | 0.15          | BOX  |

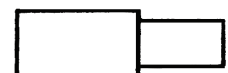
Vinyl Insulated  
Butted Seam



### Snap Plugs - Female

|       |         |        |      |       |    |      |     |
|-------|---------|--------|------|-------|----|------|-----|
| 70061 | SP 156N | #14-16 | BLUE | 1.025 | 50 | 0.15 | BOX |
|-------|---------|--------|------|-------|----|------|-----|

Nylon Insulated  
Seamless



SP, FSP not UL, CSA.



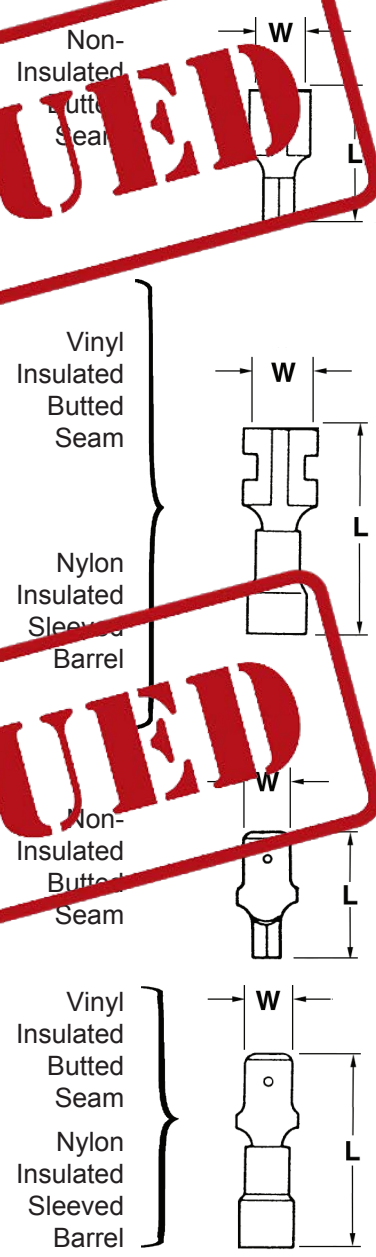


## SPADE DISCONNECTS



### F/M SERIES

| NAED NUMBER               | CATALOG NUMBER | WIRE RANGE | STOCK & SPADE SIZE | COLOR  | DIMENSIONS |     | QTY/ BOX | EST. SHIPPING |      |
|---------------------------|----------------|------------|--------------------|--------|------------|-----|----------|---------------|------|
|                           |                |            |                    |        | L          | W   |          | WEIGHT (lbs)  | UNIT |
| <b>FEMALE DISCONNECTS</b> |                |            |                    |        |            |     |          |               |      |
| 16600                     | F 18-110       |            | .020 x .110        |        | .54        | .16 |          | 0.08          | BOX  |
| 16602                     | F 18-187       | #18-22     | .020 x .187        | —      | .63        | .23 |          | 0.13          | BOX  |
| 16604                     | F 18-250       |            | .032 x .250        |        | .63        | .31 | 100      | 0.15          | BOX  |
| 16606                     | F 14-110       |            | .020 x .110        |        | .54        | .16 |          | 0.10          | BOX  |
| 16608                     | F 14-187       | #14-16     | .020 x .187        | —      | .63        | .23 |          | 0.13          | BOX  |
| 16610                     | F 14-250       |            | .032 x .250        |        | .63        | .31 |          | 0.22          | BOX  |
| 16612                     | F 10-250       | #10-12     | .032 x .250        | —      | .63        | .31 |          | 0.13          | BOX  |
| 16620                     | F 18-110V      |            | .020 X .110        |        | .77        | .16 |          | 0.15          | BOX  |
| 16622                     | F 18-187V      | #18-22     | .020 X .187        | RED    | .86        | .23 |          | 0.14          | BOX  |
| 16624                     | F 18-250V      |            | .032 X .250        |        | .93        | .31 | 100      | 0.15          | BOX  |
| 16626                     | F 14-110V      |            | .020 X .110        |        | .77        | .16 |          | 0.15          | BOX  |
| 16628                     | F 14-187V      | #14-16     | .020 X .187        | BLUE   | .87        | .23 |          | 0.18          | BOX  |
| 16630                     | F 14-250V      |            | .032 X .250        |        | .87        | .31 |          | 0.16          | BOX  |
| 16632                     | F 10-250V      | #10-12     | .032 X .250        | YELLOW | .93        | .31 | 50       | 0.16          | BOX  |
| 16640                     | F 18-110N      |            | .020 X .110        |        | .77        | .16 |          | 0.16          | BOX  |
| 16642                     | F 18-187N      | #18-22     | .020 X .187        | RED    | .87        | .23 |          | 0.19          | BOX  |
| 16644                     | F 18-250N      |            | .032 X .250        |        | .87        | .32 | 100      | 0.23          | BOX  |
| 16646                     | F 14-110N      |            | .020 X .110        |        | .77        | .16 |          | 0.18          | BOX  |
| 16648                     | F 14-187N      | #14-16     | .020 X .187        | BLUE   | .87        | .23 |          | 0.23          | BOX  |
| 16650                     | F 14-250N      |            | .032 X .250        |        | .87        | .32 |          | 0.29          | BOX  |
| 16652                     | F 10-250N      | #10-12     | .032 X .250        | YELLOW | .97        | .31 | 50       | 0.21          | BOX  |
| <b>MALE DISCONNECTS</b>   |                |            |                    |        |            |     |          |               |      |
| 16660                     | M 18-250       | #18-22     | .032 X .250        | —      | .72        | .25 |          | 0.22          | BOX  |
| 16662                     | M 14-187       | #14-16     | .020 X .187        |        | .87        | .19 |          | 0.17          | BOX  |
| 16664                     | M 14-250       |            | .032 X .250        |        | .77        | .25 | 100      | 0.15          | BOX  |
| 16666                     | M 10-250       | #10-12     | .032 X .250        |        | .77        | .25 | 50       | 0.15          | BOX  |
| 16680                     | M 18-250       | #18-22     | .032 X .250        | RED    | .97        | .25 |          | 0.23          | BOX  |
| 16682                     | M 14-187       | #14-16     | .020 X .187        | BLUE   | .80        | .19 | 100      | 0.13          | BOX  |
| 16684                     | M 14-250       |            | .032 X .250        |        | .94        | .25 |          | 0.17          | BOX  |
| 16686                     | M 10-250V      | #10-12     | .032 X .250        | YELLOW | 1.05       | .25 | 50       | 0.12          | BOX  |
| 16690                     | M 18-250N      | #18-22     | .032 X .250        | RED    | .97        | .25 |          | 0.26          | BOX  |
| 16692                     | M 14-187N      | #14-16     | .020 X .187        | BLUE   | .82        | .19 | 100      | 0.17          | BOX  |
| 16694                     | M 14-250N      |            | .032 X .250        |        | .97        | .25 |          | 0.33          | BOX  |
| 16696                     | M 10-250N      | #10-12     | .032 X .250        | YELLOW | 1.05       | .25 | 50       | 0.24          | BOX  |



DISCONTINUED

DISCONTINUED



# GREAVES

## SPADE DISCONNECTS

### FULLY NYLON INSULATED

For use where a touch-safe connection is important  
Copper, tin-plated  
Fully nylon insulated

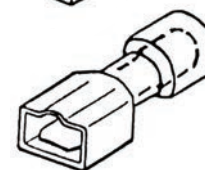


### F/M-FN SERIES

#### Straight Configuration

Male and female FN  
Straight Configuration  
Spade Disconnects  
form fully insulated sets.

| NAED NUMBER               | CATALOG NUMBER | WIRE RANGE | COLOR  | SPADE SIZE  | DIMENSIONS |       | QTY/ BOX | EST. SHIPPING |      |  |
|---------------------------|----------------|------------|--------|-------------|------------|-------|----------|---------------|------|--|
|                           |                |            |        |             | LENGTH     | WIDTH |          | WEIGHT (lbs)  | UNIT |  |
| <b>FEMALE DISCONNECTS</b> |                |            |        |             |            |       |          |               |      |  |
| 16705                     | F 18-250FN     | #18-22     | RED    | .032 X .250 | .84        | .38   | 50       | 0.13          | BOX  |  |
| 16715                     | F 14-250FN     | #14-16     | BLUE   | .032 X .250 | .84        | .38   | 50       | 0.13          | BOX  |  |
| 16725                     | F 10-250FN     | #10-12     | YELLOW | .032 X .250 | .94        | .38   | 50       | 0.18          | BOX  |  |
| <b>MALE DISCONNECTS</b>   |                |            |        |             |            |       |          |               |      |  |
| 16706                     | M 18-250FN     | #18-22     | RED    | .032 X .250 | 1.0        | .47   | 50       | 0.13          | BOX  |  |
| 16716                     | M 14-250FN     | #14-16     | BLUE   | .032 X .250 | 1.0        | .47   | 50       | 0.13          | BOX  |  |
| 16726                     | M 10-250FN     | #10-12     | YELLOW | .032 X .250 | 1.1        | .47   | 50       | 0.22          | BOX  |  |



### FL-FN SERIES

#### Flag Configuration

#### FEMALE DISCONNECTS

| NAED NUMBER | CATALOG NUMBER | WIRE RANGE | COLOR | SPADE SIZE  | DIMENSIONS |       | QTY/ BOX | EST. SHIPPING |      |
|-------------|----------------|------------|-------|-------------|------------|-------|----------|---------------|------|
|             |                |            |       |             | LENGTH     | WIDTH |          | WEIGHT (lbs)  | UNIT |
| 16708       | FL 18-250FN    | #18-22     | RED   | .032 X .250 | .38        | .56   | 50       | 0.16          | BOX  |
| 16718       | FL 14-250FN    | #14-16     | BLUE  | .032 X .250 | .38        | .63   | 50       | 0.16          | BOX  |



### NON-INSULATED

### FL SERIES

#### Flag Configuration

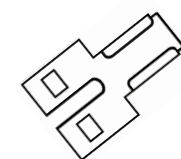
| NAED NUMBER | CATALOG NUMBER | WIRE RANGE | SPADE SIZE  | DIMENSIONS |       | QTY/ BOX | EST. SHIPPING |      |
|-------------|----------------|------------|-------------|------------|-------|----------|---------------|------|
|             |                |            |             | LENGTH     | WIDTH |          | WEIGHT (lbs)  | UNIT |
| 16722       | FL 14-250      | #14-18     | .032 X .250 | .52        | .38   | 50       | 0.11          | BOX  |
| 16720       | FL 10-250      | #10-12     | .032 X .250 | .63        | .38   | 50       | 0.12          | BOX  |



### MMF SERIES

#### Split Configuration

| NAED NUMBER | CATALOG NUMBER | WIRE RANGE | SPADE SIZE  | DIMENSIONS |       | QTY/ BOX | EST. SHIPPING |      |
|-------------|----------------|------------|-------------|------------|-------|----------|---------------|------|
|             |                |            |             | LENGTH     | WIDTH |          | WEIGHT (lbs)  | UNIT |
| 16724       | MMF-250        | -          | .032 X .250 | .75        | .56   | 50       | 0.18          | BOX  |



DISCONTINUED



## CRIMP TERMINALS



### HIGH TEMPERATURE

For high temperature applications such as in heating systems, glass furnaces, processing ovens, HVAC systems  
 Rated for temperature up to 700°F  
 Mild steel with bright nickel plating, non-insulated, butted seam  
 Use on high-temperature wire suitable for the environment

### R-HT SERIES

#### Ring Terminals

| NAED NUMBER | CATALOG NUMBER | WIRE RANGE | STUD SIZE | DIMENSIONS |       | QTY/ BOX | EST. SHIPPING |      |
|-------------|----------------|------------|-----------|------------|-------|----------|---------------|------|
|             |                |            |           | LENGTH     | WIDTH |          | WEIGHT (lbs)  | UNIT |
| 16803       | R 18-10HT      | #18-22     | #10       | .69        | .31   | 50       | 0.07          | BOX  |
| 16811       | R 14-6HT       |            | #6        | .65        | .25   | 50       | 0.08          | BOX  |
| 16813       | R 14-10HT      | #14-16     | #10       | .69        | .31   | 50       | 0.09          | BOX  |
| 16814       | R 14-14HT      |            | 1/4       | .90        | .46   | 50       | 0.10          | BOX  |
| 16821       | R 10-6HT       |            | #6        | .61        | .25   | 50       | 0.08          | BOX  |
| 16822       | R 10-8HT       |            | #8        | .72        | .37   | 50       | 0.10          | BOX  |
| 16823       | R 10-10HT      | #10-12     | #10       | .72        | .37   | 50       | 0.14          | BOX  |
| 16824       | R 10-14HT      |            | 1/4       | .90        | .46   | 50       | 0.20          | BOX  |
| 16825       | R 10-18HT      |            | 3/8       | .97        | .60   | 50       | 0.20          | BOX  |
| 16833       | R 10-10HT      |            | #10       | .97        | .47   | 25       | 0.16          | BOX  |
| 16834       | R 14-14HT      | #8         | 1/4       | .97        | .47   | 25       | 0.16          | BOX  |

### S-HT SERIES

#### Fork Terminals

| NAED NUMBER | CATALOG NUMBER | WIRE RANGE | STUD SIZE | DIMENSIONS |       | QTY/ BOX | EST. SHIPPING |      |
|-------------|----------------|------------|-----------|------------|-------|----------|---------------|------|
|             |                |            |           | LENGTH     | WIDTH |          | WEIGHT (lbs)  | UNIT |
| 16841       | S 14-6HT       | #14-16     | #6        | .68        | .34   | 100      | 0.16          | BOX  |
| 16842       | S 14-8HT       | #14-16     | #8        | .68        | .34   | 100      | 0.16          | BOX  |
| 16854       | S 10-10HT      | #10-12     | #10       | .75        | .38   | 50       | 0.13          | BOX  |

### F/M-HT SERIES

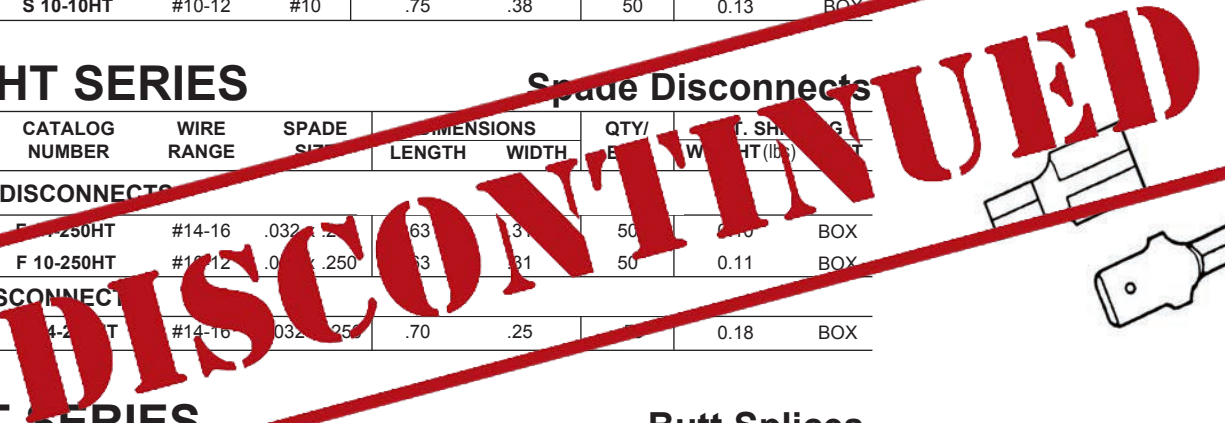
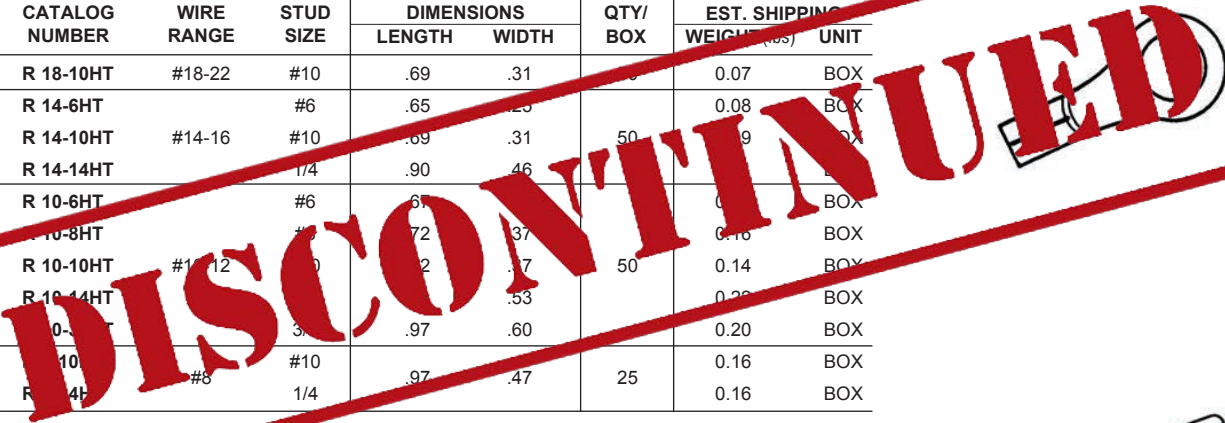
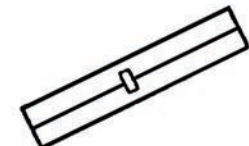
#### Spade Disconnects

| NAED NUMBER               | CATALOG NUMBER | WIRE RANGE | SPADE SIZE  | DIMENSIONS |       | QTY/ BOX | EST. SHIPPING |      |
|---------------------------|----------------|------------|-------------|------------|-------|----------|---------------|------|
|                           |                |            |             | LENGTH     | WIDTH |          | WEIGHT (lbs)  | UNIT |
| <b>FEMALE DISCONNECTS</b> |                |            |             |            |       |          |               |      |
| 16865                     | F 14-250HT     | #14-16     | .032 x .12  | .63        | .31   | 50       | 0.10          | BOX  |
| 16875                     | F 10-250HT     | #10-12     | .032 x .250 | .63        | .31   | 50       | 0.11          | BOX  |
| <b>MALE DISCONNECTS</b>   |                |            |             |            |       |          |               |      |
| 16885                     | M 14-250HT     | #14-16     | .032 x .25  | .70        | .25   | 50       | 0.18          | BOX  |

### B-HT SERIES

#### Butt Splices

| NAED NUMBER | CATALOG NUMBER | WIRE RANGE | DIMENSIONS |      | QTY/ BOX | EST. SHIPPING |      |
|-------------|----------------|------------|------------|------|----------|---------------|------|
|             |                |            | LENGTH     | I.D. |          | WEIGHT (lbs)  | UNIT |
| 16893       | B 14HT         | #14-16     | .57        | .090 | 50       | 0.11          | BOX  |
| 16894       | B 10HT         | #10-12     | .57        | .138 | 50       | 0.19          | BOX  |





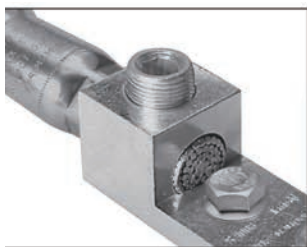


# GREAVES

## TACKLE YOUR CONNECTION CHALLENGES IN THE



The Greaves all-star lineup of products gives you all the coverage you need when you're dealing with new or relocated equipment, spec changes, and/or mismatched parts and cables. You'll find numerous types of adapters, splices, reducers and lugs in many sizes to help you meet a wide variety of applications and challenges such as:



**Terminate** – When you need to terminate a cable into a lug where it does not fit, or is not of the appropriate material or stranding.

- Terminate a copper Class B cable into a mechanical lug, but the cable is oversized and too large to fit
- Terminate an aluminum cable into a copper/bronze lug
- Terminate a copper flex/DLO cable into a mechanical lug
- Terminate a copper cable into a lug which needs a larger wire



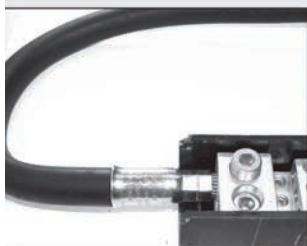
**Splice/reduce** – When you need to splice/reduce cables that are different from each other.

- Splice a copper wire to a smaller copper wire
- If one or both wires are aluminum
- Splice aluminum to a smaller copper wire
- Transition from copper flex/DLO to copper Class B/THHN cable
- Transition from aluminum wire to a copper flex cable



**Multiple cables** – When you need to fit multiple cables into closely-spaced wire-ports on a circuit breaker.

- With copper cable, adapters often will allow spacing close enough
- Use adapters with offset pins to allow the wires to be more closely spaced, so they will fit into the wire-ports.
- Splice smaller jumpers onto the runs and locate the splices away from the lug so the smaller jumpers can be bunched together to fit into the wire-ports.



**Limited space in switchgear cabinet** – In compact switchgear cabinets, often there is not enough space for a bend radius in Class B cable, so flex/DLO is used for the tighter bend capability. Then, an adapter is needed to terminate the flex/DLO into the lug.

**Numerous Greaves connectors can help you:**

- Adapter Series – PT-FX, PT-R, PT, PTA, PTO
- Splice Series – CRK, CRA, ACK, AC-R, PBS, ABS, UPP

**Greaves can also design and fabricate solutions for special situations.**



# SNAP! CONNECTORS



E28698  
Copper wire  
Class B only  
600V

Revolutionary – Engineered hex nut snaps off when pre-set force is applied  
 Install with standard box wrench or adjustable wrench  
 Replaces conventional compression connectors – no cumbersome tool or dies needed  
 Inspectable – When nut is snapped off, the proper force was applied; windows to view wire insertion  
 UL listed – Meets or exceeds cable pull-out and conductivity requirements for conventional compression connectors



## KTL SERIES

### One-Hole Lug

| NAED NUMBER | CATALOG NUMBER | CLASS B WIRE SIZE | BOLT SIZE | STRIP LENGTH | DIMENSIONS |          | WRENCH SIZES |       | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|-------------------|-----------|--------------|------------|----------|--------------|-------|---------|---------------|------|
|             |                |                   |           |              | LENGTH     | DIAMETER | BODY         | NUT   |         | WEIGHT (LBS)  | UNIT |
| 35438       | KTL238         | #2AWG             | 3/8       | 1-1/2        | 3.03       | 9/16     | 7/16         | 9/16  | 6       | 1             | CTN  |
| 35638       | KTL1038        | #1/0AWG           | 3/8       | 1-5/8        | 3.25       | 11/16    | 9/16         | 11/16 | 6       | 1.1           | CTN  |
| 35738       | KTL2038        | #2/0AWG           | 3/8       | 1-5/8        | 3.3        | 3/4      | 9/16         | 3/4   | 6       | 1.5           | CTN  |
| 35838       | KTL3038        | #3/0AWG           | 3/8       | 1-7/8        | 3.4        | 13/16    | 11/16        | 13/16 | 6       | 1.9           | CTN  |
| 35938       | KTL4038        | #4/0AWG           | 3/8       | 1-7/8        | 3.8        | 7/8      | 11/16        | 7/8   | 6       | 2.3           | CTN  |
| 36148       | KTL25048       | 250MCM            | 1/2       | 2            | 4.05       | 15/16    | 3/4          | 15/16 | 3       | 1.3           | CTN  |
| 36348       | KTL35048       | 350MCM            | 1/2       | 2-1/8        | 4.25       | 1        | 13/16        | 1     | 3       | 1.5           | CTN  |
| 36548       | KTL50048       | 500MCM            | 1/2       | 2-1/2        | 4.9        | 1-1/8    | 15/16        | 1-1/8 | 3       | 1.9           | CTN  |



## KTL-N SERIES

### Two-Hole NEMA Lug

| NAED NUMBER | CATALOG NUMBER | CLASS B WIRE SIZE | BOLT SIZE | STRIP LENGTH | DIMENSIONS |          | WRENCH SIZES |       | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|-------------------|-----------|--------------|------------|----------|--------------|-------|---------|---------------|------|
|             |                |                   |           |              | LENGTH     | DIAMETER | BODY         | NUT   |         | WEIGHT (LBS)  | UNIT |
| 36802       | KTL2N          | #2AWG             | 2 X 1/2   | 1-1/2        | 4.82       | 9/16     | 7/16         | 9/16  | 6       | 1.3           | CTN  |
| 36810       | KTL10N         | #1/0AWG           | 2 X 1/2   | 1-5/8        | 5.19       | 11/16    | 9/16         | 11/16 | 6       | 1.4           | CTN  |
| 36820       | KTL20N         | #2/0AWG           | 2 X 1/2   | 1-5/8        | 5.38       | 3/4      | 9/16         | 1     | 6       | 1.9           | CTN  |
| 36830       | KTL30N         | #3/0AWG           | 2 X 1/2   | 1-7/8        | 5.61       | 13/16    | 11/16        | 13/16 | 6       | 2.5           | CTN  |
| 36840       | KTL40N         | #4/0AWG           | 2 X 1/2   | 1-7/8        | 5.85       | 7/8      | 11/16        | 7/8   | 6       | 3             | CTN  |
| 36825       | KTL250N        | 250MCM            | 2 X 1/2   | 2            | 6.05       | 15/16    | 3/4          | 15/16 | 3       | 1.7           | CTN  |
| 36835       | KTL350N        | 350MCM            | 2 X 1/2   | 2-1/8        | 6.29       | 1        | 13/16        | 1     | 3       | 2             | CTN  |
| 36850       | KTL500N        | 500MCM            | 2 X 1/2   | 2-1/2        | 7.34       | 1-1/8    | 15/16        | 1-1/8 | 3       | 2.5           | CTN  |

2-hole NEMA lugs have 2 holes for 1/2" bolts at 1-3/4" spacing



## KTC SERIES

### In-Line Splice

| NAED NUMBER | CATALOG NUMBER | CLASS B WIRE SIZE | BOLT SIZE | STRIP LENGTH | DIMENSIONS |          | WRENCH SIZES |       | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|-------------------|-----------|--------------|------------|----------|--------------|-------|---------|---------------|------|
|             |                |                   |           |              | LENGTH     | DIAMETER | BODY         | NUT   |         | WEIGHT (LBS)  | UNIT |
| 37400       | KTC2           | #2AWG             | -         | 1-1/2        | 2.3        | 9/16     | 7/16         | 9/16  | 6       | 1.1           | CTN  |
| 37600       | KTC10          | #1/0AWG           | -         | 1-5/8        | 2.62       | 11/16    | 9/16         | 11/16 | 6       | 1.2           | CTN  |
| 37700       | KTC20          | #2/0AWG           | -         | 1-5/8        | 2.70       | 3/4      | 9/16         | 3/4   | 6       | 1.7           | CTN  |
| 37800       | KTC30          | #3/0AWG           | -         | 1-7/8        | 2.88       | 13/16    | 11/16        | 13/16 | 6       | 2.1           | CTN  |
| 37900       | KTC40          | #4/0AWG           | -         | 1-7/8        | 3.10       | 7/8      | 11/16        | 7/8   | 6       | 2.4           | CTN  |
| 38100       | KTC250         | 250MCM            | -         | 2            | 3.20       | 15/16    | 3/4          | 15/16 | 3       | 1.4           | CTN  |
| 38300       | KTC350         | 350MCM            | -         | 2-1/8        | 3.60       | 1        | 13/16        | 1     | 3       | 1.6           | CTN  |
| 38500       | KTC500         | 500MCM            | -         | 2-1/2        | 4.2        | 1-1/8    | 15/16        | 1-1/8 | 3       | 2.1           | CTN  |

May be used for up to 35KV applications when proper installation and insulation procedures are employed.





# GREAVES

## SNAP+

### KITS of CONNECTOR and COLD-SHRINK INSULATION



Cold-Shrink Insulation  
1000V rating  
90°C  
ANSI C119.1-2011



Revolutionary **SNAP!** connector plus cold-shrink insulation in a kit  
Insulation installs quickly with no heat, no special tools – just position it and pull the ripcord  
Replaces heat shrink or tape  
Inspectable – visible shape shows that the SNAP nut was snapped off  
Heavy duty EPDM rubber provides excellent insulation, sealing, and abrasion resistance  
UV, ozone, and water resistant



Lug Installed



Insulation Installed

### KTL-K SERIES

Kit with One-Hole **SNAP!** Lug

| NAED NUMBER | CATALOG NUMBER | CLASS B WIRE SIZE | LUG DIMENSIONS |          | TUBE LENGTH | CTN QTY | KIT EST. WEIGHT (LBS) | SHIPPING UNIT |
|-------------|----------------|-------------------|----------------|----------|-------------|---------|-----------------------|---------------|
|             |                |                   | LENGTH         | DIAMETER |             |         |                       |               |
| 35439       | KTL238-K       | #2AWG             | 3.03           | 9/16     | 6           | 3       | 0.8                   | CTN           |
| 35639       | KTL1038-K      | #1/0AWG           | 3.25           | 11/16    | 6           | 3       | 0.85                  | CTN           |
| 35739       | KTL2038-K      | #2/0AWG           | 3.3            | 3/4      | 8           | 3       | 1.3                   | CTN           |
| 35839       | KTL3038-K      | #3/0AWG           | 3.4            | 13/16    | 8           | 3       | 1.5                   | CTN           |
| 35939       | KTL4038-K      | #4/0AWG           | 3.8            | 7/8      | 8           | 3       | 1.7                   | CTN           |
| 36149       | KTL25048-K     | 250MCM            | 4.05           | 15/16    | 8           | 2       | 1.25                  | CTN           |
| 36349       | KTL35048-K     | 350MCM            | 4.25           | 1        | 9           | 2       | 1.4                   | CTN           |
| 36549       | KTL50048-K     | 500MCM            | 4.9            | 1-1/8    | 9           | 2       | 1.7                   | CTN           |



### KTL-N-K SERIES

Kit with Two-Hole NEMA **SNAP!** Lug

| NAED NUMBER | CATALOG NUMBER | CLASS B WIRE SIZE | LUG DIMENSIONS |          | TUBE LENGTH | CTN QTY | KIT EST. WEIGHT (LBS) | SHIPPING UNIT |
|-------------|----------------|-------------------|----------------|----------|-------------|---------|-----------------------|---------------|
|             |                |                   | LENGTH         | DIAMETER |             |         |                       |               |
| 36803       | KTL2N-K        | #2AWG             | 4.82           | 9/16     | 6           | 3       | 0.95                  | CTN           |
| 36811       | KTL10N-K       | #1/0AWG           | 5.19           | 11/16    | 6           | 3       | 1                     | CTN           |
| 36821       | KTL20N-K       | #2/0AWG           | 5.38           | 3/4      | 8           | 3       | 1.5                   | CTN           |
| 36831       | KTL30N-K       | #3/0AWG           | 5.61           | 13/16    | 8           | 3       | 1.8                   | CTN           |
| 36841       | KTL40N-K       | #4/0AWG           | 5.85           | 7/8      | 8           | 3       | 2.1                   | CTN           |
| 36826       | KTL250N-K      | 250MCM            | 6.05           | 15/16    | 8           | 2       | 1.5                   | CTN           |
| 36836       | KTL350N-K      | 350MCM            | 6.29           | 1        | 9           | 2       | 1.75                  | CTN           |
| 36851       | KTL500N-K      | 500MCM            | 7.34           | 1-1/8    | 9           | 2       | 2.1                   | CTN           |



### KTC-K SERIES

Kit with In-Line **SNAP!** Splice

| NAED NUMBER | CATALOG NUMBER | CLASS B WIRE SIZE | LUG DIMENSIONS |          | TUBE LENGTH | CTN QTY | KIT EST. WEIGHT (LBS) | SHIPPING UNIT |
|-------------|----------------|-------------------|----------------|----------|-------------|---------|-----------------------|---------------|
|             |                |                   | LENGTH         | DIAMETER |             |         |                       |               |
| 37401       | KTC2-K         | #2AWG             | 2.3            | 9/16     | 6           | 3       | 0.85                  | CTN           |
| 37601       | KTC10-K        | #1/0AWG           | 2.62           | 11/16    | 6           | 3       | 0.9                   | CTN           |
| 37701       | KTC20-K        | #2/0AWG           | 2.70           | 3/4      | 8           | 3       | 1.4                   | CTN           |
| 37801       | KTC30-K        | #3/0AWG           | 2.88           | 13/16    | 8           | 3       | 1.6                   | CTN           |
| 37901       | KTC40-K        | #4/0AWG           | 3.10           | 7/8      | 8           | 3       | 1.75                  | CTN           |
| 38101       | KTC250-K       | 250MCM            | 3.20           | 15/16    | 8           | 2       | 1.3                   | CTN           |
| 38301       | KTC350-K       | 350MCM            | 3.60           | 1        | 9           | 2       | 1.5                   | CTN           |
| 38501       | KTC500-K       | 500MCM            | 4.2            | 1-1/8    | 9           | 2       | 1.8                   | CTN           |



Cold-shrink tube provides effective insulation on the lug or splice.  
For inspection, the cold-shrink tube provides verification that the lug or splice has been installed properly, because the resulting shape shows that the SNAP nut has been removed.





# GREAVES

## COMPRESSION

### BUTT SPLICES – COPPER

Produced from high conductivity seamless copper tubing

Marked with die index and color coded

Tin plated to provide corrosion resistance



#### SC SERIES

| NAED NUMBER | CATALOG NUMBER | WIRE SIZE | LENGTH | U-TYPE DIE |        | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|-----------|--------|------------|--------|---------|---------------|------|
|             |                |           |        | COLOR      | INDEX  |         | WEIGHT (lbs)  | UNIT |
| 51808       | †SC 8          | #8        | 1.50   | RED        | 6      | 100     | 1.22          | CTN  |
| 51806       | †SC 6          | #6        | 1.75   | BLUE       | 7/374  | 100     | 2.04          | CTN  |
| 51804       | SC 4           | #4        | 1.82   | GRAY       | 8/346  | 100     | 2.55          | CTN  |
| 51802       | SC 2           | #2        | 1.94   | BROWN      | 10     | 50      | 2.01          | CTN  |
| 51800       | SC 1           | #1        | 1.94   | GREEN      | 11/375 | 50      | 2.16          | CTN  |
| 51810       | SC 10          | 1/0       | 1.94   | PINK       | 12/348 | 50      | 2.66          | CTN  |
| 51812       | SC 20          | 2/0       | 2.07   | BLACK      | 13     | 25      | 1.70          | CTN  |
| 51814       | SC 30          | 3/0       | 2.18   | ORANGE     | 14     | 25      | 2.02          | CTN  |
| 51816       | SC 40          | 4/0       | 2.18   | PURPLE     | 15     | 25      | 2.38          | CTN  |
| 51818       | SC 250         | 250       | 2.18   | YELLOW     | 16     | 25      | 3.00          | CTN  |
| 51820       | SC 300         | 300       | 2.18   | WHITE      | 17/298 | 12      | 1.64          | CTN  |
| 51822       | SC 350         | 350       | 2.34   | RED        | 18/324 | 12      | 2.01          | CTN  |
| 51824       | SC 400         | 400       | 2.58   | BLUE       | 19/470 | 6       | 1.24          | CTN  |
| 51826       | SC 500         | 500       | 2.94   | BROWN      | 20/299 | 6       | 2.00          | CTN  |
| 51828       | *SC 600        | 600       | 2.94   | GREEN      | 22/472 | 6       | 2.51          | CTN  |
| 51830       | *SC 750        | 750       | 3.50   | BLACK      | 24/473 | 3       | 1.15          | CTN  |
| 51832       | *SC 1000       | 1000      | 3.87   | WHITE      | 27     | 3       | 2.64          | CTN  |

\*Size not UL

†Size not CSA.

#### C SERIES

| NAED NUMBER | CATALOG NUMBER | WIRE SIZE | LENGTH | U-TYPE DIE |        | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|-----------|--------|------------|--------|---------|---------------|------|
|             |                |           |        | COLOR      | INDEX  |         | WEIGHT (lbs)  | UNIT |
| 13005       | †C 8           | #8        | 2.10   | RED        | 6      | 100     | 2.30          | CTN  |
| 13006       | C 6            | #6        | 2.44   | BLUE       | 7/374  | 100     | 2.81          | CTN  |
| 13004       | C 4            | #4        | 2.44   | GRAY       | 8/346  | 100     | 3.42          | CTN  |
| 13002       | C 2            | #2        | 2.70   | BROWN      | 10     | 50      | 3.20          | CTN  |
| 13000       | C 1            | #1        | 2.95   | GREEN      | 11/375 | 50      | 3.26          | CTN  |
| 13008       | C 10           | 1/0       | 2.95   | PINK       | 12/348 | 50      | 4.00          | CTN  |
| 13010       | C 20           | 2/0       | 3.20   | BLACK      | 13     | 25      | 2.51          | CTN  |
| 13012       | C 30           | 3/0       | 3.20   | ORANGE     | 14     | 25      | 2.90          | CTN  |
| 13014       | C 40           | 4/0       | 3.44   | PURPLE     | 15     | 25      | 3.19          | CTN  |
| 13016       | C 250          | 250       | 3.45   | YELLOW     | 16     | 25      | 4.80          | CTN  |
| 13018       | C 300          | 300       | 4.20   | WHITE      | 17/298 | 12      | 2.66          | CTN  |
| 13020       | C 350          | 350       | 4.20   | RED        | 18/324 | 12      | 3.59          | CTN  |
| 13022       | C 400          | 400       | 4.44   | BLUE       | 19/470 | 6       | 2.00          | CTN  |
| 13024       | C 500          | 500       | 4.68   | BROWN      | 20/299 | 6       | 3.11          | CTN  |
| 13026       | *C 600         | 600       | 5.50   | GREEN      | 22/472 | 6       | 4.80          | CTN  |
| 13028       | *C 750         | 750       | 5.87   | BLACK      | 24/473 | 3       | 3.00          | CTN  |
| 13030       | *C 1000        | 1000      | 6.12   | WHITE      | 27     | 3       | 4.32          | CTN  |

\*Size not UL

†Size not CSA.

\*\*May be used for applications up to 35 KV when proper installation and insulation procedures are employed.

#### Standard Barrel

For copper cable



600 V\*\*

#### Long Barrel



600 V\*\*  
For heavy duty applications



## COMPRESSION

# PEEP HOLE STANDARD BARREL COPPER LUGS

Produced from high conductivity seamless copper tubing

Allows inspection of the termination to assure complete cable insertion

Marked with die index and color coded

Tin plated to provide corrosion resistance



## GL SERIES

### One-Hole

| NAED NUMBER | CATALOG NUMBER | WIRE SIZE | BOLT SIZE | U-TYPE DIE |        | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|-----------|-----------|------------|--------|---------|---------------|------|
|             |                |           |           | COLOR      | INDEX  |         | WEIGHT (lbs)  | UNIT |
| 32000       | † GL 810       |           | 10        |            |        |         | 1.44          | CTN  |
| 32002       | GL 814         | #8        | 1/4       | RED        | 6      | 100     | 1.38          | CTN  |
| 31999       | GL 610         |           | 10        |            |        |         | 1.85          | CTN  |
| 32004       | † GL 614       | #6        | 1/4       | BLUE       | 7/374  | 100     | 1.81          | CTN  |
| 32001       | GL 656         |           | 5/16      |            |        |         | 1.86          | CTN  |
| 32003       | GL 638         |           | 3/8       |            |        |         | 1.84          | CTN  |
| 32005       | GL 414         |           | 1/4       |            |        |         | 2.30          | CTN  |
| 32006       | GL 456         | #4        | 5/16      | GRAY       | 8/346  | 100     | 2.32          | CTN  |
| 32008       | GL 438         |           | 3/8       |            |        |         | 2.45          | CTN  |
| 32017       | GL 338         | #3        | 3/8       | WHITE      | 9      | 50      | 1.29          | CTN  |
| 32007       | GL 214         |           | 1/4       |            |        |         | 1.96          | CTN  |
| 32009       | GL 256         | #2        | 5/16      | BROWN      | 10     | 50      | 1.92          | CTN  |
| 32010       | GL 238         |           | 3/8       |            |        |         | 1.81          | CTN  |
| 32011       | GL 114         |           | 1/4       |            |        |         | 2.03          | CTN  |
| 32013       | GL 156         | #1        | 5/16      | GREEN      | 11/375 | 50      | 2.13          | CTN  |
| 32012       | GL 138         |           | 3/8       |            |        |         | 2.05          | CTN  |
| 32015       | GL 1056        |           | 5/16      |            |        |         | 2.58          | CTN  |
| 32014       | † GL 1038      | 1/0       | 3/8       | PINK       | 12/348 | 50      | 2.51          | CTN  |
| 32016       | GL 1048        |           | 1/2       |            |        |         | 2.54          | CTN  |
| 32019       | GL 2056        |           | 5/16      |            |        |         | 1.60          | CTN  |
| 32018       | † GL 2038      | 2/0       | 3/8       | BLACK      | 13     | 25      | 1.60          | CTN  |
| 32020       | GL 2048        |           | 1/2       |            |        |         | 1.66          | CTN  |
| 32022       | † GL 3038      | 3/0       | 3/8       | ORANGE     | 14     | 25      | 2.11          | CTN  |
| 32024       | GL 3048        |           | 1/2       |            |        |         | 2.00          | CTN  |
| 32027       | † GL 4038      | 4/0       | 3/8       | PURPLE     | 15     | 25      | 2.58          | CTN  |
| 32026       | GL 4048        |           | 1/2       |            |        |         | 2.60          | CTN  |
| 32028       | † GL 25048     | 250       | 1/2       | YELLOW     | 16     | 25      | 3.70          | CTN  |
| 32030       | † GL 30048     | 300       | 1/2       | WHITE      | 17/298 | 12      | 1.79          | CTN  |
| 32032       | † GL 35048     | 350       | 1/2       | RED        | 18/324 | 12      | 2.30          | CTN  |
| 32034       | † GL 40048     | 400       | 1/2       | BLUE       | 19/470 | 6       | 1.40          | CTN  |
| 32036       | † GL 50048     | 500       | 1/2       | BROWN      | 20/299 | 6       | 2.20          | CTN  |
| 32038       | * GL 60048     | 600       | 1/2       | GREEN      | 22/472 | 6       | 3.30          | CTN  |
| 32040       | #† GL 75048    | 750       | 1/2       | BLACK      | 24/473 | 3       | 1.93          | CTN  |
| 32041       | #† GL 75058    |           | 5/8       |            |        |         | 1.90          | CTN  |
| 32042       | †* GL 100058   | 1000      | 5/8       | WHITE      | 27     | 3       | 2.64          | CTN  |

\*Size not UL listed.

For copper cable



600 V\*\*



- For angle lugs consult factory for availability.
- For 90° angle lugs use L Series
- For blank tangs consult factory for availability.

## GL-N SERIES

### Two-Hole NEMA

| NAED NUMBER | CATALOG NUMBER | WIRE SIZE | BOLT SIZE | U-TYPE DIE |        | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|-----------|-----------|------------|--------|---------|---------------|------|
|             |                |           |           | COLOR      | INDEX  |         | WEIGHT (lbs)  | UNIT |
| 32044       | GL 20N         | 2/0       | 1/2       | BLACK      | 13     |         | 2.82          | CTN  |
| 32046       | GL 30N         | 3/0       | 1/2       | ORANGE     | 14     | 25      | 3.44          | CTN  |
| 32048       | GL 40N         | 4/0       | 1/2       | PURPLE     | 15     |         | 4.31          | CTN  |
| 32050       | GL 250N        | 250       | 1/2       | YELLOW     | 16     |         | 5.53          | CTN  |
| 32052       | GL 300N        | 300       | 1/2       | WHITE      | 17/298 | 12      | 2.82          | CTN  |
| 32054       | GL 350N        | 350       | 1/2       | RED        | 18/324 | 12      | 3.06          | CTN  |
| 32056       | GL 400N        | 400       | 1/2       | BLUE       | 19/470 | 6       | 2.11          | CTN  |
| 32058       | GL 500N        | 500       | 1/2       | BROWN      | 20/299 | 6       | 3.18          | CTN  |
| 32060       | * GL 600N      | 600       | 1/2       | GREEN      | 22/472 | 6       | 4.51          | CTN  |
| 32062       | #* GL 750N     | 750       | 1/2       | BLACK      | 24/473 | 3       | 2.51          | CTN  |
| 32064       | * GL 1000N     | 1000      | 1/2       | WHITE      | 27     | 1       | 1.34          | CTN  |



600 V\*\*

Suffix "N" indicates NEMA tang drilling, 1 1/4" on centers for 1/2" bolts.

# GL and GL-N series lugs through 750 MCM have 1.75" maximum width to allow side-by-side NEMA mounting.

\*\*May be used for up to 35KV applications when proper installation and insulation procedures are employed.

\*Size not UL listed.

† NEMA stud drilling.

www.greaves-usa.com

Phone 860-664-4505 • Fax 860-664-4546

TOLL FREE 1-800-243-1130 (Outside CT)



# GREAVES

## COMPRESSION

### LONG BARREL COPPER LUGS

Long barrel for heavy duty applications  
Produced from high conductivity seamless copper tubing  
Tin plated to provide corrosion resistance  
Marked with die index and color coded



#### L SERIES

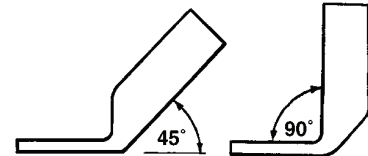
#### One-Hole

| NAED NUMBER | CATALOG NUMBER | WIRE SIZE | BOLT SIZE | U-TYPE DIE |        | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|-----------|-----------|------------|--------|---------|---------------|------|
|             |                |           |           | COLOR      | INDEX  |         | WEIGHT (lbs)  | UNIT |
| 41105       | † L 614        |           | 1/4       |            |        |         | 2.31          | CTN  |
| 41106       | L 656          | #6        | 5/16      | BLUE       | 7/374  | 100     | 2.25          | CTN  |
| 41108       | L 638          |           | 3/8       |            |        |         | 2.17          | CTN  |
| 41109       | L 414          |           | 1/4       |            |        |         | 2.92          | CTN  |
| 41110       | L 456          | #4        | 5/16      | GRAY       | 8/346  | 100     | 3.02          | CTN  |
| 41115       | L 438          |           | 3/8       |            |        |         | 2.98          | CTN  |
| 41117       | L 338          | #3        | 3/8       | WHITE      | 9      | 50      | 1.58          | CTN  |
| 41118       | L 214          |           | 1/4       |            |        |         | 2.21          | CTN  |
| 41119       | L 256          | #2        | 5/16      | BROWN      | 10     | 50      | 2.16          | CTN  |
| 41120       | L 238          |           | 3/8       |            |        |         | 2.22          | CTN  |
| 41123       | L 114          |           | 1/4       |            |        |         | 2.77          | CTN  |
| 41124       | L 156          | #1        | 5/16      | GREEN      | 11/375 | 50      | 2.87          | CTN  |
| 41125       | L 138          |           | 3/8       |            |        |         | 2.65          | CTN  |
| 41129       | L 1014         |           | 1/4       |            |        |         | 3.43          | CTN  |
| 41130       | † L 1038       | 1/0       | 3/8       | PINK       | 12/348 | 50      | 3.44          | CTN  |
| 41135       | L 1048         |           | 1/2       |            |        |         | 3.58          | CTN  |
| 41140       | † L 2038       |           | 3/8       |            |        |         | 2.17          | CTN  |
| 41145       | L 2048         | 2/0       | 1/2       | BLACK      | 13     | 25      | 2.22          | CTN  |
| 41150       | † L 3038       |           | 3/8       |            |        |         | 2.15          | CTN  |
| 41155       | L 3048         | 3/0       | 1/2       | ORANGE     | 14     | 25      | 2.62          | CTN  |
| 41156       | † L 4038       |           | 3/8       |            |        |         | 3.51          | CTN  |
| 41160       | L 4048         | 4/0       | 1/2       | PURPLE     | 15     | 25      | 3.39          | CTN  |
| 41164       | L 25038        |           | 3/8       |            |        |         | 4.40          | CTN  |
| 41165       | † L 25048      | 250       | 1/2       | YELLOW     | 16     | 25      | 4.36          | CTN  |
| 41170       | † L 30048      | 300       | 1/2       | WHITE      | 17/298 | 12      | 2.33          | CTN  |
| 41175       | † L 35048      | 350       | 1/2       | RED        | 18/324 | 12      | 3.12          | CTN  |
| 41180       | L 40048        | 400       | 1/2       | BLUE       | 19/470 | 6       | 1.69          | CTN  |
| 41185       | † L 50048      | 500       | 1/2       | BROWN      | 20/299 | 6       | 2.91          | CTN  |
| 41190       | * L 60048      | 600       | 1/2       | GREEN      | 22/472 | 6       | 4.37          | CTN  |
| 41192       | ** L 75048     |           | 1/2       |            |        |         | 2.44          | CTN  |
| 41195       | ** L 75058     | 750       | 5/8       | BLACK      | 24/473 | 3       | 2.40          | CTN  |
| 41200       | †* L 100058    | 1000      | 5/8       | WHITE      | 27     |         | 1.30          | EA   |
| 41202       | ††* L 125058   | 1250      | 5/8       | YELLOW     | 29     | 1       | 1.45          | EA   |
| 41204       | ††* L 150058   | 1500      | 5/8       | GREEN      | 31     |         | 1.83          | EA   |
| 41206       | ††* L 200058   | 2000      | 5/8       | BROWN      | 34     |         | 2.57          | EA   |

For copper cable



600 V\*\*



- For angle lugs consult factory for availability.
- For blank tangs consult factory for availability.

# L series lugs through 750 MCM have 1.75" maximum width to allow side-by-side NEMA mounting.  
\*\* May be used for applications up to 35 KV when proper installation and insulation procedures are employed.

† NEMA stud drilling.

\* Size not UL.

†† Size not CSA.





# COMPRESSION



## LONG BARREL COPPER LUGS

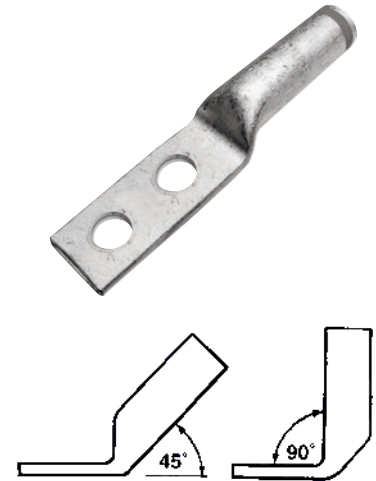
Long barrel for heavy duty applications  
 Produced from high conductivity seamless copper tubing  
 t in plated to provide corrosion resistance  
 Marked with die index and color coded

For copper cable  
 600 V\*\*

### L-N SERIES

### Two-Hole NEMA

| NAED NUMBER | CATALOG NUMBER | WIRE SIZE | BOLT |         | U-TYPE DIE |        | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|-----------|------|---------|------------|--------|---------|---------------|------|
|             |                |           | SIZE | SPACING | COLOR      | INDEX  |         | WEIGHT (lbs)  | UNIT |
| 33069       | L 6N           | #6        |      |         | BLUE       | 7/347  |         | 1.34          | Ct N |
| 33049       | L 4N           | #4        |      |         | g r AY     | 8/346  | 20      | 1.10          | Ct N |
| 33029       | L 2N           | #2        | 1/2  | 1 3/4   | Br Ow N    | 10     |         | 1.60          | Ct N |
| 33019       | L 1N           | #1        |      |         | g r EEN    | 11/375 |         | 1.90          | Ct N |
| 40000       | L 10N          | 1/0       |      |         | PINK       | 12/348 |         | 2.91          | Ct N |
| 40005       | L 20N          | 2/0       |      |         | BLACK      | 13     |         | 3.50          | Ct N |
| 40010       | L 30N          | 3/0       | 1/2  | 1 3/4   | Or ANg E   | 14     | 25      | 4.01          | Ct N |
| 40015       | L 40N          | 4/0       |      |         | PUr PLE    | 15     |         | 5.24          | Ct N |
| 40020       | L 250N         | 250       |      |         | YELLOW     | 16     |         | 6.12          | Ct N |
| 40025       | L 300N         | 300       |      |         | w hit E    | 17/298 | 12      | 3.41          | Ct N |
| 40030       | L 350N         | 350       |      |         | r Ed       | 18/324 | 12      | 4.61          | Ct N |
| 40035       | L 400N         | 400       | 1/2  | 1 3/4   | BLUE       | 19/470 | 6       | 2.36          | Ct N |
| 40040       | L 500N         | 500       |      |         | Br Ow N    | 20/299 | 6       | 3.89          | Ct N |
| 40045       | *L 600N        | 600       |      |         | g r EEN    | 22/472 | 6       | 5.52          | Ct N |
| 40050       | #*L 750N       | 750       |      |         | BLACK      | 24/473 | 3       | 3.30          | Ct N |
| 40055       | #*L 1000N      | 1000      |      |         | w hit E    | 27     | 1       | 1.78          | EA   |
| 40056       | *L 1250N††     | 1250      | 1/2  | 1 3/4   | YELLOW     | 29     | 1       | 2.05          | EA   |
| 40057       | *L 1500N††     | 1500      |      |         | g r EEN    | 31     | 1       | 2.51          | EA   |
| 40059       | *L 2000N††     | 2000      |      |         | Br Ow N    | 34     | 1       | 3.53          | EA   |



- For angle lugs consult factory for availability.
- For blank tangs consult factory for availability.

# L-N series lugs through L1000N have 1.75" maximum width to allow side-by-side NEMA mounting.  
 \*\* May be used for applications up to 35 KV when proper installation and insulation procedures are employed.  
 \* Size not UL.  
 ††Size not CSA.

## LONG BARREL STACKING COPPER LUGS

Long barrel for heavy duty applications  
 Produced from high conductivity seamless copper tubing  
 t in plated to provide corrosion resistance  
 Marked with die index and color coded  
 d esigned specifically to fit with g reaves LN Series lugs

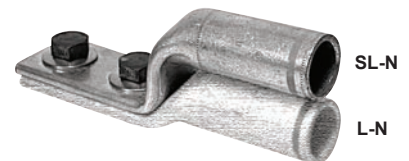
For copper cable  
 600 V\*\*

### SL-N SERIES

### Two-Hole NEMA

| NAED NUMBER | CATALOG NUMBER | WIRE SIZE | BOLT |         | U-TYPE DIE |        | EST. SHIPPING |         |
|-------------|----------------|-----------|------|---------|------------|--------|---------------|---------|
|             |                |           | SIZE | SPACING | COLOR      | INDEX  | WEIGHT (lbs)  | UNIT    |
| 71801       | SL 20N         | 2/0       |      |         | BLACK      | 13     |               | 0.18 EA |
| 71802       | SL 30N         | 3/0       |      |         | Or ANg E   | 14     |               | 0.20 EA |
| 71803       | SL 40N         | 4/0       | 1/2  | 1 3/4   | PUr PLE    | 15     |               | 0.24 EA |
| 71804       | SL 250N        | 250       |      |         | YELLOW     | 16     |               | 0.30 EA |
| 71805       | SL 300N        | 300       |      |         | w hit E    | 17/298 |               | 0.33 EA |
| 71806       | SL 350N        | 350       |      |         | r Ed       | 18/324 |               | 0.43 EA |
| 71807       | SL 400N        | 400       | 1/2  | 1 3/4   | BLUE       | 19/470 |               | 0.44 EA |
| 71808       | SL 500N        | 500       |      |         | Br Ow N    | 20/299 |               | 0.64 EA |
| 71809       | SL 600N        | 600       |      |         | g r EEN    | 22/472 |               | 0.96 EA |
| 71811       | #SL 750N       | 750       | 1/2  | 1 3/4   | BLACK      | 24/473 |               | 1.15 EA |
| 71812       | SL 1000N       | 1000      |      |         | w hit E    | 27     |               | 1.20 EA |

SL-N fits on L-N straight lugs



**CAUTION**  
 May not fit competitor lugs.  
 g reaves L-N Series lugs are recommended to make a stacking set.  
 Straight lugs sold separately.

\*\* May be used for applications up to 35 KV when proper installation and insulation procedures are employed.  
 # SL-N series lugs through 750 MCM have 1.75" maximum width to allow side-by-side NEMA mounting.  
 SL-N series not UL, not CSA.



# COMPRESSION

## LONG BARREL FOUR-HOLE COPPER LUGS

Long barrel for heavy duty applications  
 Produced of high conductivity wrought copper  
 t in-plated for corrosion protection  
 Marked with die index number

For copper cable  
 600 V\*\*

### L-4N SERIES

### Four-Hole NEMA

| NAED NUMBER | CATALOG NUMBER | WIRE SIZE | BOLT |         | PAD THICKNESS | U-TYPE DIE |        | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|-----------|------|---------|---------------|------------|--------|---------|---------------|------|
|             |                |           | SIZE | SPACING |               | COLOR      | INDEX  |         | WEIGHT (lbs)  | UNIT |
| 40080       | L 40-4N        | 4/0 Aw g  |      |         | 3/16          | PUR PLE    | 15     | 1       | .88           | EA   |
| 40081       | L 250-4N       | 250 MCM   | 1/2  | 1 3/4   | 3/16          | YELLOW     | 16     |         | .98           | EA   |
| 40082       | L 350-4N       | 350 MCM   |      |         | 3/16          | red        | 18/324 |         | 1.06          | EA   |
| 40083       | L 500-4N       | 500 MCM   |      |         | 1/4           | Br Ow N    | 20/299 |         | 1.22          | EA   |
| 40090       | L 600-4N       | 600 MCM   | 1/2  | 1 3/4   | 1/4           | green      | 22/472 |         | 1.32          | EA   |
| 40084       | L 750-4N       | 750 MCM   |      |         | 1/4           | BLACK      | 24/473 |         | 1.41          | EA   |
| 40085       | L 1000-4N      | 1000 MCM  |      |         | 3/8           | white      | 27     |         | 2.27          | EA   |
| 40086       | L 1250-4N      | 1250 MCM  | 1/2  | 1 3/4   | 3/8           | YELLOW     | 29     |         | 2.50          | EA   |
| 40087       | L 1500-4N      | 1500 MCM  |      |         | 11/32         | green      | 31     |         | 2.77          | EA   |
| 40089       | L 2000-4N      | 2000 MCM  |      |         | 15/32         | Br Ow N    | 34     | 3.50    | EA            |      |



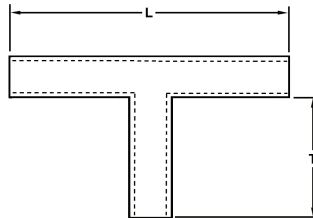
Pad width 3 inches. Other sizes available. Consult factory.

\*\*May be used for up to 35KV applications when proper installation and insulation procedures are employed.

For copper cable  
 600V\*\*

## COPPER TEE

high conductivity seamless copper tubing  
 Use Cr A adapter to accommodate smaller wire size tee  
 t in plated for corrosion resistance  
 Long barrel for two die impressions per wire  
 Marked with die index number



## CCT SERIES

| NAED NUMBER | CATALOG NUMBER | WIRE SIZE |     | DIMENSIONS (NOM) |      | DIE-MAIN |        | DIE-TAP  |        | EST. SHIPPING |        |
|-------------|----------------|-----------|-----|------------------|------|----------|--------|----------|--------|---------------|--------|
|             |                | MAIN      | TAP | L                | T    | COLOR    | INDEX  | COLOR    | INDEX  | WEIGHT (lbs)  | UNIT   |
| 40206       | CCT6           | #6        | #6  | 3.75             | 1.50 | BLUE     | 7/347  | BLUE     | 7/347  | 0.03          | EA     |
| 40204       | CCT4           | #4        | #4  | 3.81             | 1.50 | green    | 8/346  | green    | 8/346  | 0.04          | EA     |
| 40202       | CCT2           | #2        | #2  | 3.87             | 1.50 | Br Ow N  | 10     | Br Ow N  | 10     | 0.11          | EA     |
| 40201       | CCT1           | #1        | #1  | 3.94             | 1.50 | green    | 11/375 | green    | 11/375 | 0.11          | EA     |
| 40210       | CCT10          | 1/0       | 1/0 | 4.00             | 1.50 | PiNK     | 12/348 | PiNK     | 12/348 | 0.15          | EA     |
| 40220       | CCT20          | 2/0       | 2/0 | 4.16             | 1.62 | BLACK    | 13     | BLACK    | 13     | 0.18          | EA     |
| 40230       | CCT30          | 3/0       | 3/0 | 4.31             | 1.68 | Or ANg E | 14     | Or ANg E | 14     | 0.20          | EA     |
| 40240       | CCT40          | 4/0       | 4/0 | 4.44             | 1.75 | PUR PLE  | 15     | PUR PLE  | 15     | 0.25          | EA     |
| 40241       | CCT40-10       | 4/0       | 1/0 | 4.25             | 1.75 |          |        | PiNK     | 12/348 | 0.20          | EA     |
| 40242       | CCT40-2        | 4/0       | #2  | 4.18             | 1.75 |          |        | Br Ow N  | 10     | 0.18          | EA     |
| 40225       | CCT250         | 250       | 250 | 4.56             | 1.75 | YELLOW   | 16     | YELLOW   | 16     | 0.32          | EA     |
| 40235       | CCT350         | 350       | 350 | 5.91             | 2.19 | red      | 18/324 | red      | 18/324 | 0.55          | EA     |
| 40250       | CCT500         | 500       | 500 | 6.72             | 2.60 | Br Ow N  | 20/299 | Br Ow N  | 20/299 | 0.94          | EA     |
| 40254       | CCT500-40      | 500       | 4/0 | 6.47             | 2.60 |          |        | PUR PLE  | 15     | 0.68          | EA     |
| 40252       | CCT500-20      | 500       | 2/0 | 6.36             | 2.60 |          |        | BLACK    | 13     | 0.60          | EA     |
| 40259       | CCT500-2       | 500       | #2  | 6.24             | 2.60 |          |        | Br Ow N  | 10     | 0.55          | EA     |
| 40260       | CCT600         | 600       | 600 | 7.87             | 3.09 |          |        | green    | 22/472 | green         | 22/472 |
| 40275       | CCT750         | 750       | 750 | 7.87             | 3.39 | BLACK    | 24/473 | BLACK    | 24/473 | 1.50          | EA     |

Other sizes also available, consult factory.

\*\*May be used for up to 35KV applications when proper installation and insulation procedures are employed.

Also available with high Voltage feature as on page 26.



## COMPRESSION

### TELECOMMUNICATIONS LUGS

Long barrel copper compression terminals for telecommunications applications

Produced from high conductivity seamless copper tubing

Tin plated to provide corrosion resistance

Marked with die index and color coded

Sight-hole for inspection on sizes #8 - 4/0 AWG

For copper cable  
600V\*\*

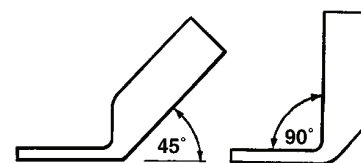
### L-TC SERIES

### Two-Hole

| NAED NUMBER | CATALOG NUMBER | WIRE SIZE  | BOLT HOLES |         | U-TYPE DIE |        | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|------------|------------|---------|------------|--------|---------|---------------|------|
|             |                |            | SIZE       | SPACING | COLOR      | INDEX  |         | WEIGHT (lbs)  | UNIT |
| 33080       | L8-TC10-1      | #8         | #10        | 5/8     | RED        | 6      | 50      | 1.00          | CTN  |
| 33081       | L8-TC14-1      |            | 1/4        | 5/8     |            |        |         | 1.17          | CTN  |
| 33061       | L6-TC14-1      | #6         | 1/4        | 5/8     | BLUE       | 7/374  | 50      | 1.39          | CTN  |
| 33062       | L6-TC14-2      |            | 1/4        | 3/4     |            |        |         | 1.45          | CTN  |
| 33064       | L6-TC14-5      | 1/4        | 1          | BLUE    | 7/374      | 50     | 1.50    | CTN           |      |
| 33066       | L6-TC38-2      | 3/8        | 3/4        |         |            |        | 0.76    | CTN           |      |
| 33067       | L6-TC38-5      | 3/8        | 1          | BLUE    | 7/374      | 25     | 0.90    | CTN           |      |
| 33068       | *L6-TC38-25    | 3/8        | 3/4-1      |         |            |        | 1.00    | CTN           |      |
| 33041       | L4-TC14-1      | #4         | 1/4        | 5/8     | GRAY       | 8/346  | 25      | 0.94          | CTN  |
| 33042       | L4-TC14-2      |            | 1/4        | 3/4     |            |        |         | 1.01          | CTN  |
| 33046       | L4-TC38-2      | 3/8        | 3/4        | GRAY    | 8/346      | 25     | 1.00    | CTN           |      |
| 33047       | L4-TC38-5      | 3/8        | 1          |         |            |        | 0.94    | CTN           |      |
| 33031       | L3-TC14-1      | #3 & 2 SOL | 1/4        | 5/8     | WHITE      | 9      | 25      | 0.94          | CTN  |
| 33037       | L3-TC38-5      |            | 3/8        | 1       |            |        |         | 1.28          | CTN  |
| 33039       | *L3-TC38-25    | 3/8        | 3/4-1      | WHITE   | 9          | 25     | 1.30    | CTN           |      |
| 33021       | L2-TC14-1      | 1/4        | 5/8        |         |            |        | 1.35    | CTN           |      |
| 33022       | L2-TC14-2      | 1/4        | 3/4        | BROWN   | 10         | 25     | 1.48    | CTN           |      |
| 33025       | L2-TC56-2      | 5/16       | 3/4        |         |            |        | 1.43    | CTN           |      |
| 33026       | L2-TC38-2      | #2         | 3/8        | 3/4     | BROWN      | 10     | 25      | 1.46          | CTN  |
| 33027       | L2-TC38-5      | 3/8        | 1          | 1.58    |            |        |         | CTN           |      |
| 33028       | L2-TC38-8      | 3/8        | 1 1/4      | BROWN   | 10         | 25     | 1.56    | CTN           |      |
| 33011       | L1-TC14-1      | 1/4        | 5/8        |         |            |        | 1.55    | CTN           |      |
| 33012       | L1-TC14-2      | 1/4        | 3/4        | GREEN   | 11/375     | 25     | 1.56    | CTN           |      |
| 33015       | L1-TC56-4      | #1         | 5/16       |         |            |        | 7/8     | 1.58          | CTN  |
| 33016       | L1-TC38-2      | 3/8        | 3/4        | GREEN   | 11/375     | 25     | 1.60    | CTN           |      |
| 33017       | L1-TC38-5      | 3/8        | 1          |         |            |        | 1.65    | CTN           |      |
| 33101       | L10-TC14-1     | 1/0        | 1/4        | 5/8     | PINK       | 12/348 | 25      | 2.12          | CTN  |
| 33102       | L10-TC14-2     |            | 1/4        | 3/4     |            |        |         | 2.16          | CTN  |
| 33105       | L10-TC56-4     | 5/16       | 7/8        | PINK    | 12/348     | 25     | 2.26    | CTN           |      |
| 33107       | L10-TC38-5     | 3/8        | 1          |         |            |        | 2.34    | CTN           |      |
| 33201       | L20-TC14-1     | 2/0        | 1/4        | 5/8     | BLACK      | 13     | 25      | 2.45          | CTN  |
| 33202       | L20-TC14-2     |            | 1/4        | 3/4     |            |        |         | 2.58          | CTN  |
| 33207       | L20-TC38-5     | 3/8        | 1          | BLACK   | 13         | 25     | 2.77    | CTN           |      |
| 33301       | L30-TC14-1     | 1/4        | 5/8        |         |            |        | 3.22    | CTN           |      |
| 33302       | L30-TC14-2     | 3/0        | 1/4        | 3/4     | ORANGE     | 14     | 25      | 3.24          | CTN  |
| 33307       | L30-TC38-5     | 3/8        | 1          | 3.26    |            |        |         | CTN           |      |
| 33402       | L40-TC14-2     | 4/0        | 1/4        | 3/4     | PURPLE     | 15     | 25      | 4.30          | CTN  |
| 33407       | L40-TC38-5     |            | 3/8        | 1       |            |        |         | 4.30          | CTN  |
| 33257       | L250-TC38-5    | 250        | 3/8        | 1       | YELLOW     | 16     | 12      | 2.50          | CTN  |
| 33337       | L300-TC38-5    | 300        | 3/8        | 1       | WHITE      | 17/298 |         | 2.66          | CTN  |
| 33352       | L350-TC14-2    | 350        | 1/4        | 3/4     | RED        | 18/324 | 6       | 2.70          | CTN  |
| 33357       | L350-TC38-5    | 350        | 3/8        | 1       | RED        | 18/324 |         | 2.72          | CTN  |
| 33502       | L500-TC14-2    | 500        | 1/4        | 3/4     | BROWN      | 20/299 | 6       | 2.72          | CTN  |
| 33507       | L500-TC38-5    | 500        | 3/8        | 1       | BROWN      | 20/299 |         | 3.33          | CTN  |
| 33607       | L600-TC38-5    | 600        | 3/8        | 1       | GREEN      | 22/472 | 6       | 3.35          | CTN  |
| 33757       | L750-TC38-5    | 750        | 3/8        | 1       | BLACK      | 24/473 |         | 3.37          | CTN  |
| 33917       | L1000-TC38-5   | 1000       | 3/8        | 1       | WHITE      | 27     | 3.40    | CTN           |      |



\* Slotted



For angle lugs  
consult factory for  
availability.

#### Catalog Number Keys

| Key  | Bolt Size |
|------|-----------|
| TC14 | 1/4       |
| TC56 | 5/16      |
| TC38 | 3/8       |
| TC48 | 1/2       |

| Key  | Hole Spacing  |
|------|---------------|
| -0   | 1/2           |
| -1   | 5/8           |
| -2   | 3/4           |
| -3   | 13/16         |
| -4   | 7/8           |
| -5   | 1             |
| -6   | 1 1/4         |
| -7   | 1 1/2         |
| -8   | 1 3/4         |
| -25* | 3/4-1 Slotted |
| -S   | Special       |

"TC" indicates telecommunications spacing for tang mounting holes.

Other sizes and types available; consult factory.

For blank tangs consult factory for availability.

\*\*May be used for up to 35KV applications when proper installation and insulation procedures are employed.





## COMPRESSION

### HIGH VOLTAGE COPPER LUGS AND SPLICES

Tapered for corona relief and ease of insulation

For use on copper conductors up to 69KV

Tinned high conductivity seamless copper tubing

**High Voltage**  
69 KV

#### C-V SERIES

#### Splice

| NAED NUMBER | CATALOG NUMBER | WIRE SIZE | U-TYPE DIE |        | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|-----------|------------|--------|---------|---------------|------|
|             |                |           | COLOR      | INDEX  |         | WEIGHT (lbs)  | UNIT |
| 70480       | C 4 V          | #4        | GRAY       | 8/346  | 50      | 1.60          | CTN  |
| 70485       | C 2 V          | #2        | BROWN      | 10     | 25      | 0.98          | CTN  |
| 70490       | C 1 V          | #1        | GREEN      | 11/375 | 25      | 1.15          | CTN  |
| 70495       | C 10 V         | 1/0       | PINK       | 12/348 | 12      | 0.88          | CTN  |
| 70500       | C 20 V         | 2/0       | BLACK      | 13     | 12      | 0.94          | CTN  |
| 70505       | C 30 V         | 3/0       | ORANGE     | 14     | 12      | 1.06          | CTN  |
| 70510       | C 40 V         | 4/0       | PURPLE     | 15     | 12      | 1.35          | CTN  |
| 70515       | C 250 V        | 250       | YELLOW     | 16     | 12      | 1.71          | CTN  |
| 70520       | C 350 V        | 350       | RED        | 18/324 | 12      | 2.31          | CTN  |
| 70525       | C 500 V        | 500       | BROWN      | 20/299 | 6       | 2.31          | CTN  |
| 70530       | C 750 V        | 750       | BLACK      | 24/473 | 6       | 4.02          | CTN  |



**High Voltage**  
Copper Butt Splices

Dimpled center-stop to equalize cable insertions

#### L-V SERIES

#### One-Hole

| NAED NUMBER | CATALOG NUMBER | WIRE SIZE | BOLT SIZE | U-TYPE DIE |        | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|-----------|-----------|------------|--------|---------|---------------|------|
|             |                |           |           | COLOR      | INDEX  |         | WEIGHT (lbs)  | UNIT |
| 70360       | L 4 V          | #4        | 3/8       | GRAY       | 8/346  | 50      | 2.15          | CTN  |
| 70365       | L 2 V          | #2        | 3/8       | BROWN      | 10     | 25      | 1.40          | CTN  |
| 70370       | L 1 V          | #1        | 3/8       | GREEN      | 11/375 | 25      | 1.65          | CTN  |
| 70375       | L 10 V         | 1/0       | 3/8       | PINK       | 12/348 | 12      | 0.99          | CTN  |
| 70380       | L 20 V         | 2/0       | 1/2       | BLACK      | 13     | 12      | 1.23          | CTN  |
| 70385       | L 30 V         | 3/0       | 1/2       | ORANGE     | 14     | 12      | 1.59          | CTN  |
| 70390       | L 40 V         | 4/0       | 1/2       | PURPLE     | 15     | 12      | 1.83          | CTN  |
| 70395       | L 250 V        | 250       | 1/2       | YELLOW     | 16     | 12      | 2.31          | CTN  |
| 70400       | L 350 V        | 350       | 1/2       | RED        | 18/324 | 12      | 2.79          | CTN  |



**High Voltage**  
Copper Lugs

#### L-NV SERIES

#### Two-Hole NEMA

| NAED NUMBER | CATALOG NUMBER | WIRE SIZE | BOLT SIZE | U-TYPE DIE |        | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|-----------|-----------|------------|--------|---------|---------------|------|
|             |                |           |           | COLOR      | INDEX  |         | WEIGHT (lbs)  | UNIT |
| 70420       | L 20 NV        | 2/0       | 1/2       | BLACK      | 13     | 12      | 1.11          | CTN  |
| 70425       | L 30 NV        | 3/0       | 1/2       | ORANGE     | 14     | 12      | 1.47          | CTN  |
| 70430       | L 40 NV        | 4/0       | 1/2       | PURPLE     | 15     | 12      | 1.95          | CTN  |
| 70435       | L 250 NV       | 250       | 1/2       | YELLOW     | 16     | 12      | 3.27          | CTN  |
| 70440       | L 350 NV       | 350       | 1/2       | RED        | 18/324 | 12      | 4.47          | CTN  |
| 70445       | L 500 NV       | 500       | 1/2       | BROWN      | 20/299 | 6       | 4.35          | CTN  |
| 70450       | † L 750 NV     | 750       | 1/2       | BLACK      | 24/473 | 6       | 6.45          | CTN  |



**High Voltage**  
2 Hole NEMA  
Copper Lugs

Suffix "N" indicates NEMA tang drilling, 1 3/4" on center for 1/2" bolts.

Consult factory for sizes not listed.

† L 750 NV and smaller have 1.75" maximum width to allow side-by-side NEMA mounting.



**GREAVES**

**GREAVES EXCLUSIVE**

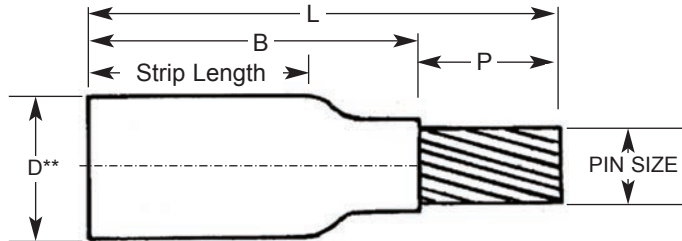
**COMPRESSION**  
**Reduce R™**

For copper cable  
Class B  
600V\*  
105°C



**STEP-DOWN ADAPTERS**

All-copper compression adapters  
For reliable termination of Class B copper conductor  
Use where oversized cable is used to reduce voltage drop on long runs  
Use where neutrals are upsized for power quality  
Narrow profile often allows use in place of offset adapters on multi-wire terminals  
Fits into mechanical set-screw type connectors  
Amperage rating is per the incoming conductor  
Fabricated of wrought copper with pin of Class B stranded copper conductor  
Insulating covers are included



**PT-R SERIES**

| NAED NUMBER | CATALOG NUMBER | CABLE SIZE | PIN SIZE  | NOMINAL DIMENSIONS (IN) |      |      |      | CABLE STRIP LENGTH | U-TYPE DIE* |           |          | EST. SHIPPING |      |
|-------------|----------------|------------|-----------|-------------------------|------|------|------|--------------------|-------------|-----------|----------|---------------|------|
|             |                |            |           | B                       | P    | L    | D**  |                    | COLOR CODE  | DIE INDEX | # CRIMPS | WEIGHT (lbs)  | UNIT |
| 54102       | PT10R2         | 1/0 AWG    | 2         | 1.75                    | 1.10 | 2.85 | 0.50 | 1                  | PINK        | 12/348    | 1        | 0.08          | EA   |
| 54202       | PT20R2         | 2/0 AWG    | 2         | 1.81                    | 1.10 | 2.93 | 0.56 | 1 1/8              | BLACK       | 13        | 1        | 0.10          | EA   |
| 54210       | PT20R10        | 2/0 AWG    | 1/0       | 1.94                    | 1.23 | 3.13 | 0.56 | 1 1/4              | BLACK       | 13        | 1        | 0.11          | EA   |
| 54320       | PT30R20        | 3/0 AWG    | 2/0       | 1.95                    | 1.19 | 3.13 | 0.62 | 1 1/4              | ORANGE      | 14        | 1        | 0.13          | EA   |
| 54420       | PT40R20        | 4/0 AWG    | 2/0       | 1.93                    | 1.19 | 3.15 | 0.67 | 1 1/4              | PURPLE      | 15        | 2        | 0.13          | EA   |
| 54430       | PT40R30        | 4/0 AWG    | 3/0       | 2.10                    | 1.30 | 3.15 | 0.67 | 1 1/4              | PURPLE      | 15        | 2        | 0.16          | EA   |
| 54254       | PT250R40       | 250 kcmil  | 4/0       | 2.13                    | 1.31 | 3.50 | 0.74 | 1 1/4              | YELLOW      | 16        | 2        | 0.24          | EA   |
| 54305       | PT300R250      | 300 kcmil  | 250 kcmil | 2.38                    | 1.40 | 3.75 | 0.80 | 1 3/8              | WHITE       | 17/298    | 2        | 0.25          | EA   |
| 54355       | PT350R250      | 350 kcmil  | 250 kcmil | 2.40                    | 1.40 | 3.85 | 0.85 | 1 3/8              | RED         | 18/324    | 2        | 0.26          | EA   |
| 54353       | PT350R300      | 350 kcmil  | 300 kcmil | 2.40                    | 1.45 | 3.85 | 0.87 | 1 3/8              | RED         | 18/324    | 2        | 0.32          | EA   |
| 54435       | PT400R350      | 400 kcmil  | 350 kcmil | 2.65                    | 1.51 | 4.30 | 0.95 | 1 1/2              | BLUE        | 19/470    | 2        | 0.38          | EA   |
| 54535       | PT500R350      | 500 kcmil  | 350 kcmil | 2.50                    | 1.50 | 4.00 | 0.99 | 1 3/8              | BLUE        | 19/470    | 2        | 0.40          | EA   |
| 54540       | PT500R400      | 500 kcmil  | 400 kcmil | 2.63                    | 1.65 | 4.13 | 1.01 | 1 3/8              | BLUE        | 19/470    | 2        | 0.44          | EA   |
| 54650       | PT600R500      | 600 kcmil  | 500 kcmil | 2.90                    | 1.75 | 4.72 | 1.13 | 1 1/2              | GREEN       | 22/472    | 2        | 0.64          | EA   |
| 54750       | PT750R500      | 750 kcmil  | 500 kcmil | 3.06                    | 1.75 | 4.90 | 1.21 | 1 5/8              | BLACK       | 24/473    | 2        | 0.65          | EA   |
| 54760       | PT750R600      | 750 kcmil  | 600 kcmil | 3.15                    | 1.90 | 5.00 | 1.27 | 1 3/4              | BLACK       | 24/473    | 2        | 0.89          | EA   |
| 54107       | PT1000R750     | 1000 kcmil | 750 kcmil | 3.00                    | 2.01 | 5.00 | 1.44 | 1 7/8              | YELLOW      | 936       | 2        | 1.09          | EA   |



Consult factory for price and delivery of the following:

- Size combinations not shown
- Custom pin lengths, diameters, and solid pins
- Tin plating (when ordering, add the suffix "P" to Catalog Number)

For aluminum cable, use PT, PTA, PTO (aluminum barrel adapters). See page 41.

\*UL Installation tool: Greenlee HKL 1232.

\*\*Add 1/8" for insulating cover.



## COMPRESSION

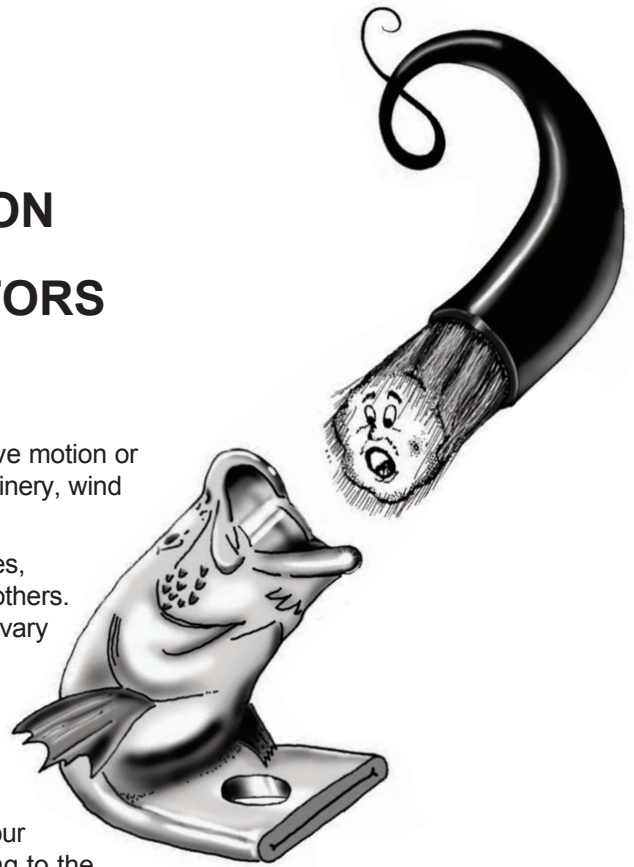
### Shoo-in™ FLEX-CABLE CONNECTORS REFERENCE INFORMATION SIZING GUIDE

High-strand flexible cables are often utilized in environments that involve motion or vibration. Applications include locomotive, mining, marine, welding machinery, wind power turbines, temporary power generators, and transformers.

High-strand flexible cables are available in a variety of classes and styles, such as welding cable, rope cable, diesel-locomotive cable (DLO) and others. Each style has a different nominal cable/conductor diameter which can vary from manufacturer to manufacturer, from lot to lot, and even within a manufacturing lot.

This chart can assist in selection of connectors for use on high-strand, flexible cables. Locate your cable across the top, move down to your cable size, and move to the lefthand column for your "FX GUIDE." Then for a lug or splice series, use your FX GUIDE to select your specific lug or splice. An alternative is to select your FX GUIDE according to the conductor O.D. information on the chart; when measuring your cable diameter, include only the bundle of conductors (not the jacket). This will help select an FX lug or splice with appropriate barrel size and flare.

For example, 535kcmil DLO cable (1325/24 stranding) indicates an FX GUIDE of "535FX"; for a long-barrel 2-hole NEMA lug, select Cat. No. L535NFX.



**SIZING GUIDE for FX COMPRESSION LUGS for DLO and FLEX CABLE  
CABLE DIMENSIONS – REFERENCE INFORMATION**

| FX<br>CAT. NO.<br>GUIDE | CLASS I-MODIFIED<br>(DIESEL-LOCOMOTIVE CABLE) |                    |               | CLASS H<br>(ROPE) |       | CLASS M<br>(WELD) |       | REFERENCE<br>CLASS B<br>(COMM'L) |       |
|-------------------------|---|--------------------|---------------|-------------------|-------|-------------------|-------|----------------------------------|-------|
|                         | APPROX<br>(AWG)KCMIL                          | STRANDS<br>(#/AWG) | COND.<br>O.D. | AWG               | O.D.  | AWG               | O.D.  | AWG                              | O.D.  |
| 25FX                    | (6)26   | 61/24              | .207          | #7                | .188  | #7                | .196  | #6                               | .184  |
| 42FX                    | (4)42   | 91/24-105/24       | .263          | #5                | .237  | #5                | .240  | #4                               | .232  |
| 50FX                    | (3)50.5                                       | 125/24             | .288          | #4                | .266  | #4                | .269  | #2                               | .292  |
| 60FX                    | (2)60.6                                       | 150/24             | .313          | #2                | .336  | #2                | .337  | #1                               | .332  |
| 90FX                    | (1)90.9                                       | 225/24             | .380          | #1                | .378  | #1                | .376  | 1/0                              | .373  |
| 111FX                   | (1/0)111.1                                    | 275/24             | .409          | 1/0               | .424  | 1/0               | .423  | 2/0                              | .418  |
| 131FX                   | (2/0)131.3                                    | 325/24             | .449          | 2/0               | .477  | --                | --    | 3/0                              | .470  |
| 181FX                   | (3/0)181.8                                    | 450/24             | .540          | 3/0               | .536  | 2/0               | .508  | 4/0                              | .528  |
| 222FX                   | (4/0)222.2                                    | 550/24             | .573          | 4/0               | .602  | 3/0               | .576  | 250                              | .575  |
| 250FX                   | 250   | 637/24             | .682          | 250               | .653  | 250               | .713  | 350                              | .681  |
| 262FX                   | 262.6   | 650/24             | .620          | 250               | .653  | 4/0               | .645  | 300                              | .630  |
| 313FX                   | 313.1   | 775/24             | .688          | 300               | .716  | 250               | .713  | 350                              | .681  |
| 373FX                   | 373.7   | 925/24             | .774          | 350               | .773  | 300               | .768  | 500                              | .814  |
| 444FX                   | 444.4   | 1100/24            | .840          | 400               | .909  | 350               | .825  | 600                              | .893  |
| 535FX                   | 535.3   | 1325/24            | .908          | 500               | .923  | 400               | .901  | 700                              | .964  |
| 646FX                   | 646.4   | 1600/24            | 1.034         | 700               | 1.106 | 600               | 1.084 | 800                              | 1.031 |
| 777FX                   | 777.7   | 1925/24            | 1.123         | 800               | 1.180 | 700               | 1.183 | 1000                             | 1.152 |
| 929FX                   | 929.2   | 2299/24            | 1.230         | 1000              | 1.320 | 900               | 1.331 | 1250                             | 1.289 |
| 1111FX                  | 1111.1  | 2745/24            | 1.360         | 1250              | 1.477 | 1000              | 1.404 | 1500                             | 1.412 |





**GREAVES**

**GREAVES ExCLUSIVE**

# COMPRESSION Shoo-pin™

For copper flex-cable  
105°C

## FLEX-CABLE COPPER COMPRESSION ADAPTERS

All-copper compression adapters

Designed for reliable termination of highly stranded flexible copper cable into mechanical lugs

Uses include locomotive, mining, marine, and machinery applications

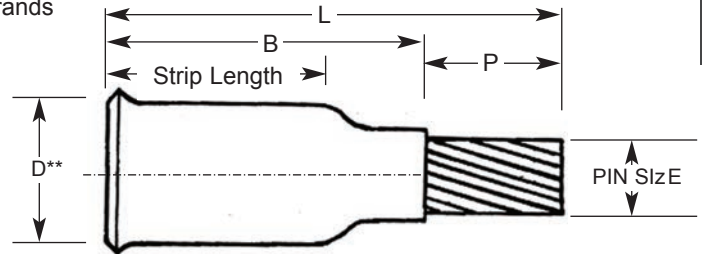
Features flared Shoo-in™ barrel-opening for easy insertion of fine strands

Fits into mechanical set-screw type connectors

Amperage rating is per the incoming conductor

Fabricated of wrought copper with pin of Class B stranded copper conductor

Insulating covers are included



## PT-Fx SERIES

| NAED NUMBER | CATALOG NUMBER | FLEX CABLE OR CODE AWG CONDUCTOR | PIN SIZE | NOMINAL DIMENSIONS (IN) |      |      |      | CABLE STRIP LENGTH | U-TYPE DIE* |        |          | EST. SHIPPING WEIGHT |      |
|-------------|----------------|----------------------------------|----------|-------------------------|------|------|------|--------------------|-------------|--------|----------|----------------------|------|
|             |                | DLO CABLE FLEX CABLE             |          | B                       | P    | L    | D**  |                    | COLOR       | INDEX  | # CRIMPS | (lbs)                | UNIT |
| 54236       | PT25Fx6†       | 61/24 (#6)                       | #6 AWG   | 1.50                    | 1.06 | 2.50 | 0.29 | 7/8                | BLUE        | 7/374  | 1        | 0.05                 | EA   |
| 55424       | PT42Fx4        | 91/24-105/24 (#4)                | #4 AWG   | 1.56                    | 1.07 | 2.63 | 0.40 | 1                  | GRAY        | 8/346  | 1        | 0.06                 | EA   |
| 55602       | PT60Fx2        | 125/24-150/24 (#2)               | #2 AWG   | 1.65                    | 1.10 | 2.75 | 0.47 | 1                  | BROWN       | 10     | 1        | 0.08                 | EA   |
| 55901       | PT90Fx1        | 175/24-225/24 (#1)               | #1 AWG   | 1.70                    | 1.14 | 2.75 | 0.50 | 1                  | GREEN       | 11/375 | 1        | 0.10                 | EA   |
| 55111       | PT111Fx10      | 275/24 (1/0)                     | 1/0 AWG  | 1.81                    | 1.23 | 3.00 | 0.55 | 1 1/8              | PINK        | 12/348 | 1        | 0.10                 | EA   |
| 55131       | PT131Fx20      | 325/24 (2/0)                     | 2/0 AWG  | 2.06                    | 1.19 | 3.25 | 0.61 | 1 1/4              | BLACK       | 13     | 1        | 0.13                 | EA   |
| 55181       | PT181Fx30      | 450/24 (3/0)                     | 3/0 AWG  | 2.19                    | 1.30 | 3.50 | 0.67 | 1 1/4              | ORANGE      | 14     | 1        | 0.16                 | EA   |
| 55222       | PT222Fx40      | 550/24 (4/0)                     | 4/0 AWG  | 2.19                    | 1.31 | 3.50 | 0.74 | 1 1/4              | PURPLE      | 15     | 1        | 0.22                 | EA   |



| NAED NUMBER | CATALOG NUMBER | FLEX CABLE                              | PIN SIZE  | DIMENSIONS (IN) |      |      |      | CABLE STRIP LENGTH | U-TYPE DIE* |        |          | EST. SHIPPING WEIGHT |      |
|-------------|----------------|---|-----------|-----------------|------|------|------|--------------------|-------------|--------|----------|----------------------|------|
|             |                |   |           | B               | P    | L    | D**  |                    | COLOR       | INDEX  | # CRIMPS | (lbs)                | UNIT |
| 55250       | PT250Fx250     | 250 kcmil FLEX CLASS G 259 CLASS H 427  | 250 kcmil | 2.25            | 1.40 | 3.25 | 0.78 | 1 3/8              | YELLOW      | 16     | 2        | 0.26                 | EA   |
| 55262       | PT262Fx250     | 262.6 kcmil FLEX 250 FLEX CLASS I, K, M | 250 kcmil | 2.20            | 1.40 | 3.80 | 0.81 | 1 3/8              | WHITE       | 17/298 | 2        | 0.26                 | EA   |
| 55313       | PT313Fx350     | 313.1 kcmil (775/24) (300 kcmil NOM)    | 350 kcmil | 2.40            | 1.51 | 4.00 | 0.87 | 1 3/8              | RED         | 18/324 | 2        | 0.38                 | EA   |
| 55373       | PT373Fx350     | 373.7 kcmil (925/24) (350 kcmil NOM)    | 350 kcmil | 2.75            | 1.51 | 4.40 | 0.99 | 1 3/8              | BLUE        | 19/470 | 2        | 0.41                 | EA   |
| 55444       | PT444Fx500     | 444.4 kcmil (1100/24) (450 kcmil NOM)   | 500 kcmil | 3.00            | 1.75 | 4.70 | 1.14 | 1 3/8              | BROWN       | 20/299 | 2        | 0.65                 | EA   |
| 55535       | PT535Fx500     | 535.3 kcmil (1325/24) (500 kcmil NOM)   | 500 kcmil | 3.00            | 1.75 | 4.85 | 1.19 | 1 3/8              | GREEN       | 22/472 | 2        | 0.66                 | EA   |
| 55646       | PT646Fx600     | 646 kcmil (1600/24) (600 kcmil NOM)     | 600 kcmil | 3.45            | 1.90 | 5.50 | 1.32 | 2                  | BLACK       | 24/473 | 2        | 0.83                 | EA   |
| 55777       | PT777Fx750     | 777.7 kcmil (1925/24) (750 kcmil NOM)   | 750 kcmil | 3.30            | 2.01 | 5.50 | 1.43 | 2                  | YELLOW      | 936    | 2        | 1.21                 | EA   |



May be used for up to 35KV applications when proper installation and insulation procedures are employed.

Consult factory for price and delivery of the following:

- DLO sizes 929.2, 1111.1 and larger
- Custom pin lengths, diameters, and solid pins
- Tin plating (when ordering, add the suffix "P" to Catalog Number)

\* UL Installation tool: Greenlee HKL 1232.

\*\* Add 1/8" for insulating cover.

† Size not CSA certified.



# GREAVES

## COMPRESSION

### Shoo-in™ FLEx-CABLE CONNECTORS

For flexible cable applications in locomotive, marine, mining, welding machinery, temporary power, wind power and transformers  
Features flared Shoo-in™ barrel opening for easy cable insertion  
Copper, tin-plated for corrosion resistance  
Positive center stop

For copper cable



### SHORT BARREL SPLICES SC-Fx SERIES

| NAED NUMBER | CATALOG NUMBER | DIESEL-LOCOMOTIVE |              | CLASS H ROPE CABLE AWG/MCM | CLASS M WELD CABLE AWG/MCM | U-TYPE DIE |        | EST. SHIPPING |      |
|-------------|----------------|-------------------|--------------|----------------------------|----------------------------|------------|--------|---------------|------|
|             |                | APPROX (AWG) MCM  | CABLE STRAND |                            |                            | COLOR      | INDEX  | WEIGHT (lbs)  | UNIT |
| 32150       | SC 50Fx        | (3) 50.3          | 125/24       | #4                         | #4                         | GRAY       | 8      | 0.05          | EA   |
| 32151       | SC 60Fx        | (2) 60.6          | 150/24       | #2                         | #2                         | BROWN      | 10     | 0.05          | EA   |
| 32152       | SC 90Fx        | (1) 90.9          | 225/24       | #1                         | #1                         | GREEN      | 11/375 | 0.06          | EA   |
| 32153       | SC 111Fx       | (1/0) 111.1       | 275/24       | 1/0                        | #1/0                       | PINK       | 12/348 | 0.07          | EA   |
| 32154       | SC 131Fx       | (2/0) 131.3       | 325/24       | 2/0                        | -                          | BLACK      | 13     | 0.09          | EA   |
| 32155       | SC 181Fx       | (3/0) 181.8       | 450/24       | 3/0                        | #2/0                       | ORANGE     | 14     | 0.11          | EA   |
| 32156       | SC 222Fx       | (4/0) 222.2       | 550/24       | 4/0                        | #3/0                       | PURPLE     | 15     | 0.14          | EA   |
| 32157       | SC 262Fx       | 262.6             | 650/24       | 250                        | #4/0                       | WHITE      | 17/298 | 0.15          | EA   |
| 32158       | SC 313Fx       | 313.1             | 775/24       | 300                        | 250                        | RED        | 18/324 | 0.22          | EA   |
| 32161       | SC 373Fx       | 373.7             | 925/24       | 350                        | 300                        | BLUE       | 19/470 | 0.32          | EA   |
| 32159       | SC 444Fx       | 444.4             | 1100/24      | 400                        | 350                        | BROWN      | 20/299 | 0.46          | EA   |
| 32160       | SC 535Fx       | 535.3             | 1325/24      | 500                        | 400                        | PINK       | 300    | 0.52          | EA   |
| 32162       | SC 646Fx       | 646.4             | 1600/24      | 700                        | 600                        | BLACK      | 24/473 | 0.60          | EA   |

May be used for applications up to 35 KV when proper installation and insulation procedures are employed.



### LONG BARREL SPLICES C-Fx SERIES



| NAED NUMBER | CATALOG NUMBER | DIESEL-LOCOMOTIVE |              | CLASS H ROPE CABLE AWG/MCM | CLASS M WELD CABLE AWG/MCM | U-TYPE DIE |        | EST. SHIPPING |      |
|-------------|----------------|-------------------|--------------|----------------------------|----------------------------|------------|--------|---------------|------|
|             |                | APPROX (AWG) MCM  | CABLE STRAND |                            |                            | COLOR      | INDEX  | WEIGHT (lbs)  | UNIT |
| 32410       | C 373Fx        | 373.7             | 925/24       | 350                        | 300                        | BLUE       | 19/470 | 0.55          | EA   |
| 32420       | C 444Fx        | 444.4             | 1100/24      | 400                        | 350                        | BROWN      | 20/299 | 0.65          | EA   |
| 32430       | C 535Fx        | 535.5             | 1325/24      | 500                        | 400                        | PINK       | 300    | 0.85          | EA   |
| 32440       | C 646Fx        | 646.4             | 1600/24      | 700                        | 600                        | BLACK      | 24/473 | 1.05          | EA   |
| 32450       | C 777Fx        | 777.7             | 1925/24      | 800                        | 700                        | YELLOW     | 936    | 1.45          | EA   |

May be used for applications up to 35 KV when proper installation and insulation procedures are employed.

Due to the variety of styles of high-strand, flexible cable, and due to the variations among cable manufacturers, it is recommended to fit the conductor to the actual cable being utilized. (See Sizing Guide.)

For sizes not listed consult factory for availability.

C - FX not CSA.



## COMPRESSION

### Shoo-in™ FLEx-CABLE CONNECTORS

For flexible cable applications in locomotive, marine, mining, welding machinery, temporary power, wind power and transformers  
Features flared Shoo-in™ barrel opening for easy cable insertion  
Copper, tin-plated for corrosion resistance

For copper cable



### SHORT BARREL LUGS

Inspection hole for visual inspection of wire insertion

### GL-Fx SERIES

#### One-Hole

| NAED NUMBER | CATALOG NUMBER | DIESEL-LOCOMOTIVE |              | CLASS H ROPE CABLE AWG/MCM | CLASS M WELD CABLE AWG/MCM | BOLT SIZE | U-TYPE DIE |        | EST. SHIPPING |      |
|-------------|----------------|-------------------|--------------|----------------------------|----------------------------|-----------|------------|--------|---------------|------|
|             |                | APPROX (AWG) MCM  | CABLE STRAND |                            |                            |           | COLOR      | INDEX  | WEIGHT (lbs)  | UNIT |
| 32170       | GL 50Fx56      | (3) 50.5          | 125/24       | #4                         | #4                         | 5/16      | GRAY       | 8      | 0.04          | EA   |
| 32171       | GL 60Fx56      | (2) 60.6          | 150/24       | #2                         | #2                         | 5/16      | BROWN      | 10     | 0.04          | EA   |
| 32172       | GL 90Fx56      | (1) 90.9          | 225/24       | #1                         | #1                         | 5/16      | GREEN      | 11/375 | 0.05          | EA   |
| 32173       | GL 111Fx38     | (1/0) 111.1       | 275/24       | 1/0                        | #1/0                       | 3/8       | PINK       | 12/348 | 0.06          | EA   |
| 32169       | GL 131Fx38     | (2/0) 131.3       | 325/24       | 2/0                        | -                          | 3/8       | BLACK      | 13     | 0.08          | EA   |
| 32174       | GL 131Fx48     | (2/0) 131.3       | 325/24       | 2/0                        | -                          | 1/2       | BLACK      | 13     | 0.08          | EA   |
| 32175       | GL 181Fx48     | (3/0) 181.8       | 450/24       | 3/0                        | #2/0                       | 1/2       | ORANGE     | 14     | 0.11          | EA   |
| 32187       | GL 222Fx56     |                   |              |                            |                            | 5/16      |            |        |               |      |
| 32188       | GL 222Fx38     | (4/0) 222.2       | 550/24       | 4/0                        | #3/0                       | 3/8       | PURPLE     | 15     | 0.14          | EA   |
| 32176       | GL 222Fx48     |                   |              |                            |                            | 1/2       |            |        |               |      |
| 32177       | GL 262Fx48     | 262.6             | 650/24       | 250                        | #4/0                       | 1/2       | WHITE      | 17/298 | 0.15          | EA   |
| 32178       | GL 313Fx48     | 313.1             | 775/24       | 300                        | 250                        | 1/2       | RED        | 18/324 | 0.37          | EA   |
| 32189       | GL 313Fx58     |                   |              |                            |                            | 5/8       |            |        |               |      |
| 32179       | GL 373Fx48     | 373.7             | 925/24       | 350                        | 300                        | 1/2       | BLUE       | 19/470 | 0.38          | EA   |
| 32190       | GL 373Fx58     |                   |              |                            |                            | 5/8       |            |        |               |      |
| 32180       | GL 444Fx48     | 444.4             | 1100/24      | 400                        | 350                        | 1/2       | BROWN      | 20/299 | 0.55          | EA   |
| 32181       | GL 535Fx48     | 535.3             | 1325/24      | 500                        | 400                        | 1/2       | PINK       | 300    | 0.56          | EA   |
| 32191       | GL 535Fx58     |                   |              |                            |                            | 5/8       |            |        |               |      |
| 32192       | GL 646Fx48     | 646.4             | 1600/24      | 700                        | 600                        | 1/2       | BLACK      | 24/473 | 0.57          | EA   |
| 32183       | GL 646Fx58     |                   |              |                            |                            | 5/8       |            |        |               |      |
| 32193       | GL 777Fx48     | 777.7             | 1925/24      | 800                        | 700                        | 1/2       | YELLOW     | 936    | 0.92          | EA   |
| 32184       | GL 777Fx58     |                   |              |                            |                            | 5/8       |            |        |               |      |
| 32185       | †GL 929Fx58    | 929.2             | 2299/24      | 1000                       | 900                        | 5/8       | -          | P44RT  | 1.10          | EA   |
| 32186       | †GL 1111Fx58   | 1111.1            | 2745/24      | 1250                       | 1000                       | 5/8       | -          | P45RT  | 1.30          | EA   |



- For angle lugs consult factory for availability.
- For blank tangs consult factory for availability.

May be used for applications up to 35 KV when proper installation and insulation procedures are employed.

†Size not CSA.

### GL-NFx SERIES

#### Two-Hole NEMA

| NAED NUMBER | CATALOG NUMBER | DIESEL-LOCOMOTIVE |              | CLASS H ROPE CABLE AWG/MCM | CLASS M WELD CABLE AWG/MCM | BOLT SIZE | U-TYPE DIE |        | EST. SHIPPING |      |
|-------------|----------------|-------------------|--------------|----------------------------|----------------------------|-----------|------------|--------|---------------|------|
|             |                | APPROX (AWG) MCM  | CABLE STRAND |                            |                            |           | COLOR      | INDEX  | WEIGHT (lbs)  | UNIT |
| 32510       | GL 181NFx      | 181.8             | 450/24       | 3/0                        | 2/0                        | 1/2       | ORANGE     | 14     | 0.17          | EA   |
| 32515       | GL 222NFx      | 222.2             | 550/24       | 4/0                        | 3/0                        | 1/2       | PURPLE     | 15     | 0.21          | EA   |
| 32520       | GL 262NFx      | 262.2             | 650/24       | 250                        | 4/0                        | 1/2       | WHITE      | 17/298 | 0.24          | EA   |
| 32525       | GL 313NFx      | 313.1             | 775/24       | 300                        | 200                        | 1/2       | RED        | 18/324 | 0.26          | EA   |
| 32530       | GL 373NFx      | 373.7             | 925/24       | 350                        | 300                        | 1/2       | BLUE       | 19/470 | 0.53          | EA   |
| 32535       | GL 444NFx      | 444.4             | 1100/24      | 400                        | 350                        | 1/2       | BROWN      | 20/299 | 0.75          | EA   |
| 32540       | #GL 535NFx     | 535.5             | 1325/24      | 500                        | 400                        | 1/2       | PINK       | 300    | 0.78          | EA   |
| 32545       | #GL 646NFx     | 646.4             | 1600/24      | 700                        | 600                        | 1/2       | BLACK      | 24/473 | 0.90          | EA   |
| 32550       | #GL 777NFx     | 777.7             | 1925/24      | 800                        | 700                        | 1/2       | YELLOW     | 936    | 1.34          | EA   |



Suffix "N" indicates NEMA tang drilling, 1 1/4" on centers for 1/2" bolts.

# GL-NFX series lugs through 777 size have 1.75" maximum width to allow side-by-side NEMA mounting.

May be used for applications up to 35 KV when proper installation and insulation procedures are employed.

Due to the variety of styles of high-strand, flexible cable, and due to the variations among cable manufacturers, it is recommended to fit the conductor to the actual cable being utilized. See SLIZING GUIDE.

GL-NFX series not CSA.

www.greaves-usa.com

Phone 860-664-4505 • Fax 860-664-4546

TOLL FREE 1-800-243-1130 (Outside CT)





# GREAVES

## COMPRESSION

### Shoo-in™ FLEX-CABLE CONNECTORS

For flexible cable applications in locomotive, mining, marine, welding machinery, temporary power, wind power, and transformers  
Features flared Shoo-in™ barrel opening for easy cable insertion  
Copper, tin-plated for corrosion resistance

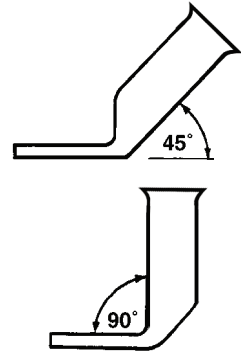


For copper cable

### LONG BARREL LUGS L-Fx SERIES

One-Hole

| NAED NUMBER | CATALOG NUMBER | DIESEL-LOCOMOTIVE |              | CLASS H            | CLASS M            | BOLT SIZE | U-TYPE DIE |        | EST. SHIPPING |      |
|-------------|----------------|-------------------|--------------|--------------------|--------------------|-----------|------------|--------|---------------|------|
|             |                | APPROX (AWG) MCM  | CABLE STRAND | ROPE CABLE AWG/MCM | WELD CABLE AWG/MCM |           | COLOR      | INDEX  | WEIGHT (lbs)  | UNIT |
| 32270       | L 50Fx56       | (3) 50.5          | 125/24       | #4                 | #4                 | 5/16      | GRAY       | 8      | 0.05          | EA   |
| 32271       | L 60Fx56       | (2) 60.6          | 150/24       | #2                 | #2                 | 5/16      | BROWN      | 10     | 0.05          | EA   |
| 32287       | L 60Fx38       |                   |              |                    |                    | 3/8       |            |        |               | EA   |
| 32272       | L 90Fx56       | (1) 90.9          | 225/24       | #1                 | #1                 | 5/16      | GREEN      | 11/375 | 0.07          | EA   |
| 32300       | L 111Fx56      |                   |              |                    |                    | 5/16      |            |        |               | EA   |
| 32273       | L 111Fx38      | (1/0) 111.1       | 275/24       | 1/0                | #1/0               | 3/8       | PINK       | 12/348 | 0.09          | EA   |
| 32301       | L 111Fx48      |                   |              |                    |                    | 1/2       |            |        |               | EA   |
| 32294       | L 131Fx38      | (2/0) 131.3       | 325/24       | 2/0                | -                  | 3/8       | BLACK      | 13     | 0.11          | EA   |
| 32274       | L 131Fx48      |                   |              |                    |                    | 1/2       |            |        |               | EA   |
| 32295       | L 181Fx38      | (3/0) 181.8       | 450/24       | 3/0                | #2/0               | 3/8       | ORANGE     | 14     | 0.14          | EA   |
| 32275       | L 181Fx48      |                   |              |                    |                    | 1/2       |            |        |               | EA   |
| 32288       | L 222Fx38      | (4/0) 222.2       | 550/24       | 4/0                | #3/0               | 3/8       | PURPLE     | 15     | 0.19          | EA   |
| 32276       | L 222Fx48      |                   |              |                    |                    | 1/2       |            |        |               | EA   |
| 32277       | L 262Fx48      | 262.6             | 650/24       | 250                | #4/0               | 1/2       | WHITE      | 17/298 | 0.20          | EA   |
| 32289       | L 313Fx38      |                   |              |                    |                    | 3/8       |            |        |               | EA   |
| 32278       | L 313Fx48      | 313.1             | 775/24       | 300                | 250                | 1/2       | RED        | 18/324 | 0.27          | EA   |
| 32290       | L 313Fx58      |                   |              |                    |                    | 5/8       |            |        |               | EA   |
| 32279       | L 373Fx48      | 373.7             | 925/24       | 350                | 300                | 1/2       | BLUE       | 19/470 | 0.50          | EA   |
| 32299       | L 373Fx58      |                   |              |                    |                    | 5/8       |            |        |               | EA   |
| 32280       | L 444Fx48      | 444.4             | 1100/24      | 400                | 350                | 1/2       | BROWN      | 20/299 | 0.62          | EA   |
| 32281       | L 535Fx48      | 535.3             | 1325/24      | 500                | 400                | 1/2       | PINK       | 300    | 0.70          | EA   |
| 32291       | L 535Fx58      |                   |              |                    |                    | 5/8       |            |        |               | EA   |
| 32302       | L 646Fx48      | 646.4             | 1600/24      | 700                | 600                | 1/2       | BLACK      | 24/473 | 0.85          | EA   |
| 32283       | L 646Fx58      |                   |              |                    |                    | 5/8       |            |        |               | EA   |
| 32303       | L 777Fx48      | 777.7             | 1925/24      | 800                | 700                | 1/2       | YELLOW     | 936    | 1.20          | EA   |
| 32284       | L 777Fx58      |                   |              |                    |                    | 5/8       |            |        |               | EA   |
| 32285       | †L 929Fx58     | 929.2             | 2299/24      | 1000               | 900                | 5/8       | -          | P44RT  | 1.40          | EA   |
| 32286       | †L 1111Fx58    | 1111.1            | 2745/24      | 1250               | 1000               |           | -          | P45RT  | 1.60          | EA   |



- For angle lugs consult factory for availability.
- For blank tangs consult factory for availability.

May be used for applications up to 35 KV when proper installation and insulation procedures are employed.  
Due to the variety of styles of high-strand, flexible cable, and due to the variations among cable manufacturers, it is recommended to fit the conductor to the actual cable being utilized. See SIZING GUIDE, p. 30.

All L-FX series lugs have 1.75" maximum width to allow side-by-side NEMA mounting.

†Size not CSA.



# COMPRESSION



## Shoo-in™ FLEx-CABLE CONNECTORS

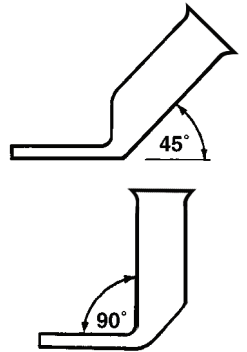
For flexible cable applications in locomotive, mining, marine, welding machinery, temporary power, wind power, and transformers  
 Features flared Shoo-in™ barrel opening for easy cable insertion  
 All L-NFX lugs have 1.75" max tang width to accommodate side-by-side NEMA stud spacing  
 Copper, tin-plated for corrosion resistance



For copper cable

## LONG BARREL LUGS L-NFx SERIES

### Two-Hole NEMA



- For angle lugs consult factory for availability.

- For blank tangs consult factory for availability.

| NAED NUMBER | CATALOG NUMBER | DIESEL-LOCOMOTIVE |              | CLASS H            | CLASS M            | BOLT SIZE | U-TYPE DIE |        | EST. SHIPPING |      |
|-------------|----------------|-------------------|--------------|--------------------|--------------------|-----------|------------|--------|---------------|------|
|             |                | APPROX (AWG) MCM  | CABLE STRAND | ROPE CABLE AWG/MCM | WELD CABLE AWG/MCM |           | COLOR      | INDEX  | WEIGHT (lbs)  | UNIT |
| 32372       | L 90NFx        | (1) 90.9          | 225/24       | #1                 | #1                 | 1/2       | GREEN      | 11/375 | 0.11          | EA   |
| 32373       | L 111NFx       | (1/0) 111.1       | 275/24       | 1/0                | 1/0                | 1/2       | PINK       | 12/348 | 0.14          | EA   |
| 32374       | L 131NFx       | (2/0) 131.3       | 325/24       | 2/0                | -                  | 1/2       | BLACK      | 13     | 0.16          | EA   |
| 32375       | L 181NFx       | (3/0) 181.8       | 450/24       | 3/0                | 2/0                | 1/2       | ORANGE     | 14     | 0.21          | EA   |
| 32376       | L 222NFx       | (4/0) 222.2       | 550/24       | 4/0                | 3/0                | 1/2       | PURPLE     | 15     | 0.27          | EA   |
| 32377       | L 262NFx       | 262.6             | 650/24       | 250                | 4/0                | 1/2       | WHITE      | 17/298 | 0.28          | EA   |
| 32378       | L 313NFx       | 313.1             | 775/24       | 300                | 250                | 1/2       | RED        | 18/324 | 0.38          | EA   |
| 32379       | L 373NFx       | 373.7             | 925/24       | 350                | 300                | 1/2       | BLUE       | 19/470 | 0.65          | EA   |
| 32380       | L 444NFx       | 444.4             | 1100/24      | 400                | 350                | 1/2       | BROWN      | 20/299 | 0.87          | EA   |
| 32381       | L 535NFx       | 535.3             | 1325/24      | 500                | 400                | 1/2       | PINK       | 300    | 0.89          | EA   |
| 32383       | L 646NFx       | 646.4             | 1600/24      | 700                | 600                | 1/2       | BLACK      | 24/473 | 1.06          | EA   |
| 32384       | † L 777NFx     | 777.7             | 1925/24      | 800                | 700                | 1/2       | YELLOW     | 936    | 1.47          | EA   |
| 32385       | † L 929NFx     | 929.2             | 2299/24      | 1000               | 900                | 1/2       | -          | P44RT  | 1.65          | EA   |
| 32386       | † L 1111NFx    | 1111.1            | 2745/24      | 1250               | 1000               | 1/2       | -          | P45RT  | 1.90          | EA   |

May be used for applications up to 35 KV when proper installation and insulation procedures are employed.  
 Due to the variety of styles of high-strand, flexible cable, and due to the variations among cable manufacturers, it is recommended to fit the conductor to the actual cable being utilized. See SIZING GUIDE.  
 Suffix "N" indicates NEMA tang drilling, 1 3/4" on centers for 1/2" bolts.  
 All L-NFX lugs shown have 1.75" maximum width to allow side-by-side NEMA mounting.  
 Sizes through 373FX are UL.  
 †Size not CSA.



## COMPRESSION

### REDUCING ADAPTERS

Versatile adapters fit into copper compression splice or lug to reduce barrel size

Install with compression die appropriate for barrel size

High conductivity copper, tin-plated

Some sizes are corrugated, some smooth with open seam

### CRA SERIES

| NAED NUMBER | CATALOG NUMBER | REDUCES SIZE |     | LENGTH | U-TYPE DIE |        |
|-------------|----------------|--------------|-----|--------|------------|--------|
|             |                | FROM         | TO  |        | COLOR      | INDEX  |
| 41661       | CRA 6-10       | #6           | #10 |        | BLUE       | 7/374  |
| 41626       | CRA 2-6        | #2           | #6  | 1 1/2  | BROWN      | 10     |
| 41616       | CRA 10-6       |              | #6  |        |            |        |
| 41614       | CRA 10-4       | 1/0          | #4  | 1 5/16 | PINK       | 12/348 |
| 41627       | CRA 20-1       | 2/0          | #1  |        | BLACK      |        |
| 41628       | CRA 20-10      | 2/0          | 1/0 | 1 3/4  |            | 13     |
| 41684       | CRA 30-4       |              | #4  |        |            |        |
| 41681       | CRA 30-10      | 3/0          | 1/0 | 1 1/2  | ORANGE     | 14     |
| 41682       | CRA 30-20      |              | 2/0 |        |            |        |
| 41646       | CRA 40-6       |              | #6  |        |            |        |
| 41644       | CRA 40-4       |              | #4  |        |            |        |
| 41645       | CRA 40-2       |              | #2  |        |            |        |
| 41640       | CRA 40-1       | 4/0          | #1  | 1 3/4  | PURPLE     | 15     |
| 41641       | CRA 40-10      |              | 1/0 |        |            |        |
| 41642       | CRA 40-20      |              | 2/0 |        |            |        |
| 41643       | CRA 40-30      |              | 3/0 |        |            |        |
| 41625       | CRA 250-2      |              | #2  |        |            |        |
| 41620       | CRA 250-1      |              | #1  |        |            |        |
| 41621       | CRA 250-10     | 250          | 1/0 | 2      | YELLOW     | 16     |
| 41622       | CRA 250-20     |              | 2/0 |        |            |        |
| 41623       | CRA 250-30     |              | 3/0 |        |            |        |
| 41624       | CRA 250-40     |              | 4/0 |        |            |        |
| 41635       | CRA 300-2      |              | #2  |        |            |        |
| 41631       | CRA 300-10     |              | 1/0 |        |            |        |
| 41632       | CRA 300-20     | 300          | 2/0 | 2      | WHITE      | 17/298 |
| 41633       | CRA 300-30     |              | 3/0 |        |            |        |
| 41634       | CRA 300-40     |              | 4/0 |        |            |        |
| 41636       | CRA 350-20     |              | 2/0 |        |            |        |
| 41637       | CRA 350-40     | 350          | 4/0 | 2      | RED        | 18/324 |
| 41638       | CRA 350-250    |              | 250 |        |            |        |
| 41639       | CRA 350-300    |              | 300 |        |            |        |
| 41656       | CRA 500-6      |              | #6  |        |            |        |
| 41654       | CRA 500-4      |              | #4  |        |            |        |
| 41655       | CRA 500-2      | 500          | #2  | 2 1/4  | BROWN      | 20/299 |
| 41650       | CRA 500-1      |              | #1  |        |            |        |
| 41651       | CRA 500-10     |              | 1/0 |        |            |        |
| 41652       | CRA 500-20     |              | 2/0 |        |            |        |
| 41653       | CRA 500-30     |              | 3/0 |        |            |        |
| 41670       | CRA 500-40     |              | 4/0 |        |            |        |
| 41671       | CRA 500-250    | 500          | 250 | 2 1/4  | BROWN      | 20/299 |
| 41672       | CRA 500-300    |              | 300 |        |            |        |
| 41673       | CRA 500-350    |              | 350 |        |            |        |
| 41674       | CRA 500-400    |              | 400 |        |            |        |
| 41665       | CRA 600-500    | 600          | 500 | 2 1/4  | GREEN      | 22/472 |
| 41675       | CRA 750-500    | 750          | 500 | 2 1/4  | BLACK      | 24     |
| 41676       | CRA 750-600    |              | 600 |        |            |        |
| 41607       | CRA 1000-750   | 1000         | 750 | 3      | WHITE      | 27     |

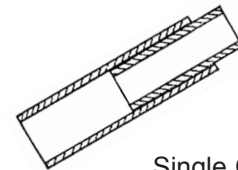
Other sizes available, consult factory.



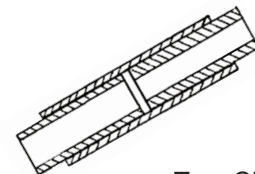
Copper wire only

#### Typical Applications

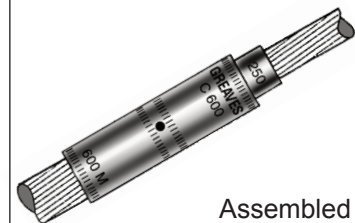
Also use in lugs, tees



Single CRA  
in splice or lug



Two CRAs  
if needed to  
accommodate  
wires



Assembled  
User to provide wires





## COMPRESSION

### COMPRESSION REDUCER KITS – COPPER

Splice two sizes of Class B copper cable; installer to supply all cable

Join a new system to an existing system where oversized cable is used to reduce voltage drop on long runs

Reduce an oversized wire to fit a lug supplied on the equipment

CRK kit includes CRA adapter(s) to reduce the barrel to fit the cable sizes.

Each kit contains: Long barrel compression splice (C Series)

Adapter(s) for reduction/tip end (CRA Series)

Adapter(s) for cable/run end, if needed (CRA Series)

All components are high conductivity copper, tin-plated

Can be insulated with high heat-shrink tubing

CRK kits are designed for copper cable only. To splice an aluminum cable to a smaller copper cable, consult the factory for an ACK Kit (ASC-T splice with CRA insert), or use an AC-R Aluminum Reducing Splice or PT Adapter.



Copper wire only

### CRK SERIES

| NAED NUMBER | CATALOG NUMBER | REDUCES SIZE |         | KIT INCLUDES |       |                   | U-TYPE DIE |        |
|-------------|----------------|--------------|---------|--------------|-------|-------------------|------------|--------|
|             |                | FROM         | TO      | CRA          | C     | CRA               | COLOR      | INDEX  |
| 41729       | CRK 2-6        | #2           | #6      | -            | C2    | 2-6               | BROWN      | 10     |
| 41716       | CRK 10-6       | 1/0          | #6      | -            | C10   | 10-6              | PINK       | 12/348 |
| 41714       | CRK 10-4       |              | #4      |              |       | 10-4              |            |        |
| 41721       | CRK 20-1       | 2/0          | #1      | -            | C20   | 20-1              | BLACK      | 13     |
| 41734       | CRK 30-4       | 3/0          | #4      | -            | C30   | 30-4              | ORANGE     | 14     |
| 41732       | CRK 30-2       |              | #2      |              |       | 30-2              |            |        |
| 41735       | CRK 30-10      |              | 1/0     |              |       | 30-10             |            |        |
| 41730       | CRK 30-20      |              | 2/0     |              |       | 30-20             |            |        |
| 41746       | CRK 40-6       | 4/0          | #6      | -            | C40   | 40-6              | PURPLE     | 15     |
| 41745       | CRK 40-2       |              | #2      |              |       | 40-2              |            |        |
| 41741       | CRK 40-10      |              | 1/0     |              |       | 40-10             |            |        |
| 41742       | CRK 40-20      |              | 2/0     |              |       | 40-20             |            |        |
| 41743       | CRK 40-30      |              | 3/0     |              |       | 40-30             |            |        |
| 41786       | CRK 250-6      | 250          | #6      | -            | C250  | 250-10 + 10-6     | YELLOW     | 16     |
| 41785       | CRK 250-2      |              | #2      |              |       | 250-2             |            |        |
| 41781       | CRK 250-10     |              | 1/0     |              |       | 250-10            |            |        |
| 41782       | CRK 250-20     |              | 2/0     |              |       | 250-20            |            |        |
| 41783       | CRK 250-30     |              | 3/0     |              |       | 250-30            |            |        |
| 41784       | CRK 250-40     |              | 4/0     |              |       | 250-40            |            |        |
| 41796       | CRK 350-20     | 350          | 2/0     | -            | C350  | 350-20            | RED        | 18/324 |
| 41797       | CRK 350-40     |              | 4/0     |              |       | 350-40            |            |        |
| 41749       | CRK 400-250    | 400          | 250     | 500-400      | C500  | 500-250           | BROWN      | 20/299 |
| 41756       | CRK 500-6      | 500          | #6      | -            | C500  | 500-6             | BROWN      | 20/299 |
| 41752       | CRK 500-20     |              | 2/0     |              |       | 500-20            |            |        |
| 41753       | CRK 500-30     |              | 3/0     |              |       | 500-30            |            |        |
| 41770       | CRK 500-40     |              | 4/0     |              |       | 500-40            |            |        |
| 41771       | CRK 500-250    |              | 250     |              |       | 500-250           |            |        |
| 41773       | CRK 500-350    |              | 350     |              |       | 500-350           |            |        |
| 41774       | CRK 500-400    | 400          | 500-400 |              |       |                   |            |        |
| 41762       | CRK 600-300    | 600          | 300     | -            | C600  | 600-500 + 500-300 | GREEN      | 22/472 |
| 41763       | CRK 600-350    |              | 350     |              |       | 600-500 + 500-350 |            |        |
| 41764       | CRK 600-400    |              | 400     |              |       | 600-500 + 500-400 |            |        |
| 41765       | CRK 600-500    |              | 500     |              |       | 600-500           |            |        |
| 41775       | CRK 750-500    | 750          | 500     | -            | C750  | 750-500           | BLACK      | 24     |
| 41776       | CRK 750-600    |              | 600     |              |       | 750-600           |            |        |
| 41707       | CRK 1000-750   | 1000         | 750     | -            | C1000 | 1000-750          | WHITE      | 27     |

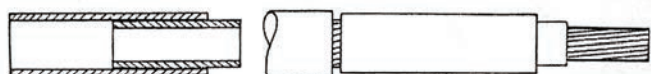
May be used for applications up to 35KV when proper installation and insulation procedures are employed.

Actual configuration may vary due to availability. Other kit combinations available, consult factory.

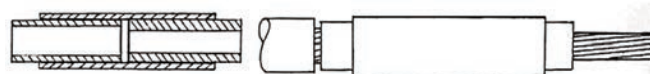
For aluminum main, ACK Series also available. Consult factory.

**Example:** CRK 500-350 configuration with single adapter

**Example:** CRK 400-250 configuration with two adapters to fit wires



Assembled, user provides wires



Assembled, user provides wires



## COMPRESSION

# NECK-DOWN™ REDUCING SPLICES – COPPER

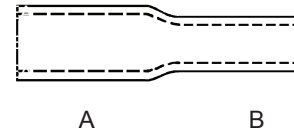
GREAVES EXCLUSIVE

Long barrel reducers to join copper wires of different sizes  
 Produced from high-conductivity seamless copper tubing  
 Marked with die index and die color code on each end  
 Can be insulated with high heat-shrink tubing  
 Also see CRK Series compression Reducer Kits

For copper cable only  
 600V\*

## ND-R SERIES

| NAED NUMBER | CATALOG NUMBER | WIRE SIZE |      | U-TYPE DIE A |        | U-TYPE DIE B |        |
|-------------|----------------|-----------|------|--------------|--------|--------------|--------|
|             |                | A         | B    | COLOR        | INDEX  | COLOR        | INDEX  |
| 52012       | ND 10R2        | 1/0       | #2   | PINK         | 12/348 | BROWN        | 10     |
| 52011       | ND 10R1        |           | #1   |              |        | GREEN        | 11/375 |
| 52021       | ND 20R10       | 2/0       | 1/0  | BLACK        | 13     | PINK         | 12/348 |
| 52032       | ND 30R20       | 3/0       | 2/0  | ORANGE       | 14     | BLACK        | 13     |
| 52042       | ND 40R20       | 4/0       | 2/0  | PURPLE       | 15     | BLACK        | 13     |
| 52043       | ND 40R30       |           | 3/0  |              |        | ORANGE       | 14     |
| 52252       | ND 250R20      | 250       | 2/0  | YELLOW       | 16     | BLACK        | 13     |
| 52254       | ND 250R40      |           | 4/0  |              |        | PURPLE       | 15     |
| 52302       | ND 300R250     | 300       | 250  | WHITE        | 17/298 | YELLOW       | 16     |
| 52354       | ND 350R40      | 350       | 4/0  | RED          | 18/324 | PURPLE       | 15     |
| 52352       | ND 350R250     | 350       | 250  | RED          | 18/324 | YELLOW       | 16     |
| 52403       | ND 400R350     | 400       | 350  | BLUE         | 19/470 | RED          | 18/324 |
| 52502       | ND 500R250     |           | 250  | BLUE         | 19/470 | RED          | 18/324 |
| 52503       | ND 500R350     | 500       | 350  |              |        | RED          | 18/324 |
| 52504       | ND 500R400     |           | 400  |              |        | BLUE         | 19/470 |
| 52635       | ND 600R350     | 600       | 350  | GREEN        | 22/472 | GREEN        | 22/472 |
| 52650       | ND 600R500     |           | 500  |              |        | BROWN        | 20/299 |
| 52755       | ND 750R500     | 750       | 500  | BLACK        | 24/473 | BROWN        | 20/299 |
| 52756       | ND 750R600     |           | 600  |              |        | GREEN        | 22/472 |
| 52107       | ND 1000R750    | 1000      | 750  | WHITE        | 27     | BLACK        | 24/473 |
| 52121       | ND 1250R1000   | 1250      | 1000 | YELLOW       | 29     | WHITE        | 27     |
| 52151       | ND 1500R1000   | 1500      | 1000 | GREEN        | 31     | WHITE        | 27     |
| 52162       | ND 1500R1250   | 1500      | 1250 | GREEN        | 31     | YELLOW       | 29     |



\*May be used for applications up to 35 KV when proper installation and insulation procedures are employed.  
 Manufactured to order, consult factory for availability. Minimum order 3 pieces of same size.  
 For tin plating add suffix "P" to Catalog No; adds approx. 1 week production time. Consult factory for combinations not listed.

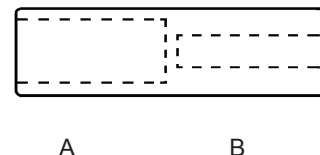
## ALUMINUM REDUCING SPLICES

Made of high conductivity wrought aluminum  
 Long barrel with positive center stop to assure proper cable insertion  
 Can be insulated with high heat-shrink tubing  
 Connector bores are coated with oxide-inhibitor and capped

## AC-R SERIES

| NAED NUMBER | CATALOG NUMBER | WIRE SIZE |     | LENGTH (IN)                     | DIE A & B |               | EST. SHIPPING |      |
|-------------|----------------|-----------|-----|---------------------------------|-----------|---------------|---------------|------|
|             |                | A         | B   |                                 | COLOR     | INDEX         | WEIGHT (lbs)  | UNIT |
| 53012       | AC 10R2        | 1/0       | #2  | 4 <sup>9</sup> / <sub>16</sub>  | —         | BG, 8A, 5/8   | .15           | EA   |
| 53021       | AC 20R1        | 2/0       | #1  | 4 <sup>9</sup> / <sub>16</sub>  |           | 60, 245       |               |      |
| 53031       | AC 30R10       | 3/0       | 1/0 | 5                               |           | TU, 781, 56   |               | EA   |
| 53042       | AC 40R20       | 4/0       | 2/0 | 5 <sup>1</sup> / <sub>4</sub>   | WHITE     | 298, 840      | .21           | EA   |
| 53253       | AC 250R30      | 250       | 3/0 | 6 <sup>5</sup> / <sub>16</sub>  |           | 11A, 249, 840 |               |      |
| 53304       | AC 300R40      | 300       | 4/0 | 8 <sup>3</sup> / <sub>16</sub>  | BROWN     | 96, 299       | .55           | EA   |
| 53354       | AC 350R40      | 350       | 4/0 | 8 <sup>3</sup> / <sub>16</sub>  |           |               |               |      |
| 53402       | AC 400R250     | 400       | 250 | 8 <sup>13</sup> / <sub>32</sub> | GREEN     | 22, 472       |               | EA   |
| 53530       | AC 500R300     | 500       | 300 | 8 <sup>13</sup> / <sub>32</sub> | PINK      | 106, 300      | .77           | EA   |
| 53535       | AC 500R350     | 500       | 350 | 8 <sup>11</sup> / <sub>16</sub> |           |               |               |      |
| 53635       | AC 600R350     | 600       | 350 | 8 <sup>7</sup> / <sub>8</sub>   | BLACK     | 24, 473       | 1.15          | EA   |
| 53750       | AC 750R500     | 750       | 500 | 9 <sup>5</sup> / <sub>8</sub>   | RED       | 140, 301      | 1.32          | EA   |
| 53107       | AC 1000R750    | 1000      | 750 | 9 <sup>5</sup> / <sub>8</sub>   | BROWN     | 161, 302      | 1.90          | EA   |

Dual-Rated  
 CUAL  
 600 V\*



\*May be used for applications up to 35KV when proper installation and insulation procedures are employed.  
 Other sizes available, consult factory.  
 Manufactured to order, consult factory for availability.



# GREAVES

## COMPRESSION

### ALUMINUM SPLICES & LUGS

Made of high conductivity wrought aluminum  
 Connector bores are coated with oxide inhibitor and capped  
 Marked with die index and die color  
 Tin plated to provide corrosion resistance



#### Dual-Rated

AL9CU  
600 V\*\*

#### ASC-T SERIES

#### Splices

| NAED NUMBER | CATALOG NUMBER | WIRE SIZE | U-TYPE DIE |        | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|-----------|------------|--------|---------|---------------|------|
|             |                |           | COLOR      | INDEX  |         | WEIGHT (lbs)  | UNIT |
| 50300       | ASC 6 T        | #6        | GRAY       | 8/346  | 24      | 0.34          | CTN  |
| 50302       | ASC 4 T        | #4        | GREEN      | 11/375 | 24      | 0.82          | CTN  |
| 50304       | ASC 2 T        | #2        | PINK       | 12/348 | 24      | 0.82          | CTN  |
| 50306       | ASC 1 T        | #1        | GOLD       | 471    | 24      | 0.82          | CTN  |
| 50308       | ASC 10 T       | 1/0       | TAN        | 296    | 24      | 1.30          | CTN  |
| 50310       | ASC 20 T       | 2/0       | OLIVE      | 297    | 12      | 0.70          | CTN  |
| 50312       | ASC 30 T       | 3/0       | RUBY       | 467    | 12      | 0.94          | CTN  |
| 50314       | ASC 40 T       | 4/0       | WHITE      | 17/298 | 12      | 1.42          | CTN  |
| 50316       | ASC 250 T      | 250       | RED        | 18/324 | 12      | 1.47          | CTN  |
| 50318       | ASC 300 T      | 300       | BLUE       | 19/470 | 6       | 0.93          | CTN  |
| 50320       | ASC 350 T      | 350       | BROWN      | 20/299 | 6       | 1.35          | CTN  |
| 50324       | ASC 400 T      | 400       | GREEN      | 22/472 | 6       | 1.53          | CTN  |
| 50326       | ASC 500 T      | 500       | PINK       | 300    | 6       | 2.13          | CTN  |
| 50328       | ASC 600 T      | 600       | BLACK      | 24/473 | 6       | 2.79          | CTN  |
| 50330       | ASC 750 T      | 750       | YELLOW     | 936    | 3       | 1.59          | CTN  |
| 50332       | ASC 1000 T     | 1000      | BROWN      | 302    | 1       | 0.95          | EA   |



Positive center stop assures proper cable insertion

#### AL SERIES

#### One-Hole Lugs

| NAED NUMBER | CATALOG NUMBER | WIRE SIZE | BOLT SIZE | U-TYPE DIE |        | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|-----------|-----------|------------|--------|---------|---------------|------|
|             |                |           |           | COLOR      | INDEX  |         | WEIGHT (lbs)  | UNIT |
| 50401       | AL 814         | #8        | 1/4       | BLUE       | 374    | 24      | 0.31          | CTN  |
| 50400       | *AL 614        | #6        | 1/4       | GRAY       | 8/346  | 24      | 0.31          | CTN  |
| 50402       | *AL 414        | #4        | 1/4       | GREEN      | 11/375 | 24      | 0.70          | CTN  |
| 50403       | †AL 438        | #4        | 3/8       | GREEN      | 11/375 | 24      | 0.70          | CTN  |
| 50404       | *AL 214        | #2        | 1/4       | PINK       | 12/348 | 24      | 0.92          | CTN  |
| 50409       | †AL 238        | #2        | 3/8       | PINK       | 12/348 | 24      | 0.92          | CTN  |
| 50405       | *AL 114        | #1        | 1/4       | GOLD       | 471    | 24      | 0.84          | CTN  |
| 50406       | *AL 1038       | 1/0       | 3/8       | TAN        | 296    | 24      | 1.60          | CTN  |
| 50408       | AL 1048        | 1/0       | 1/2       | TAN        | 296    | 24      | 1.60          | CTN  |
| 50410       | *AL 2038       | 2/0       | 3/8       | OLIVE      | 297    | 12      | 0.98          | CTN  |
| 50412       | AL 2048        | 2/0       | 1/2       | OLIVE      | 297    | 12      | 0.98          | CTN  |
| 50414       | *AL 3038       | 3/0       | 3/8       | RUBY       | 467    | 12      | 1.18          | CTN  |
| 50416       | AL 3048        | 3/0       | 1/2       | RUBY       | 467    | 12      | 1.18          | CTN  |
| 50418       | *AL 4038       | 4/0       | 3/8       | WHITE      | 17/298 | 12      | 1.66          | CTN  |
| 50420       | AL 4048        | 4/0       | 1/2       | WHITE      | 17/298 | 12      | 1.66          | CTN  |
| 50422       | *AL 25048      | 250       | 1/2       | RED        | 18/324 | 12      | 1.72          | CTN  |
| 50424       | *AL 30048      | 300       | 1/2       | BLUE       | 19/470 | 6       | 1.12          | CTN  |
| 50426       | *AL 35048      | 350       | 1/2       | BROWN      | 20/299 | 6       | 1.48          | CTN  |
| 50428       | *AL 40048      | 400       | 1/2       | GREEN      | 22/472 | 6       | 2.08          | CTN  |
| 50432       | *AL 50048      | 500       | 1/2       | PINK       | 300    | 6       | 2.68          | CTN  |
| 50434       | AL 50058       | 500       | 5/8       | PINK       | 300    | 6       | 2.56          | CTN  |
| 50436       | #AL 60048      | 600       | 1/2       | BLACK      | 24/473 | 3       | 1.91          | CTN  |
| 50438       | ##AL 60058     | 600       | 5/8       | BLACK      | 24/473 | 3       | 1.91          | CTN  |
| 50442       | #AL 75048      | 750       | 1/2       | YELLOW     | 936    | 3       | 2.06          | CTN  |
| 50444       | ##AL 75058     | 750       | 5/8       | YELLOW     | 936    | 3       | 2.06          | CTN  |
| 50450       | *AL 100058     | 1000      | 5/8       | BROWN      | 302    | 1       | 1.16          | EA   |



#### Dual-Rated

AL9CU  
600 V\*\*



# AL series lugs through 750 MCM have 1.75" maximum width to allow side-by-side NEMA mounting.

\*NEMA stud drilling

\*\*May be used for applications up to 35KV when proper installation and insulation procedures are employed.

For blank tangs, consult factory for availability.

† Not CSA.

www.greaves-usa.com

Phone 860-664-4505 • Fax 860-664-4546

TOLL FREE 1-800-243-1130 (Outside CT)





# GREAVES

## COMPRESSION

### ALUMINUM LUGS

Designed for heavy duty dual-rated applications  
 Made of high conductivity wrought aluminum  
 Tin plated to provide corrosion resistance  
 Connector bores are coated with oxide inhibitor and capped  
 Marked with die index and die color



**Dual-Rated**  
 AL9CU  
 600 V\*

### AL-N SERIES

### Two-Hole NEMA

| NAED NUMBER | CATALOG NUMBER | WIRE SIZE | BOLT SIZE | U-TYPE DIE |        | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|-----------|-----------|------------|--------|---------|---------------|------|
|             |                |           |           | COLOR      | INDEX  |         | WEIGHT (lbs)  | UNIT |
| 50454       | AL 10 N        | 1/0       | 1/2       | TAN        | 296    | 12      | 1.18          | CTN  |
| 50456       | AL 20 N        | 2/0       | 1/2       | OLIVE      | 297    | 12      | 1.30          | CTN  |
| 50458       | AL 30 N        | 3/0       | 1/2       | RUBY       | 467    | 12      | 1.30          | CTN  |
| 50460       | AL 40 N        | 4/0       | 1/2       | WHITE      | 17/298 | 12      | 2.26          | CTN  |
| 50462       | AL 250 N       | 250       | 1/2       | RED        | 18/324 | 12      | 2.38          | CTN  |
| 50464       | AL 300 N       | 300       | 1/2       | BLUE       | 470    | 6       | 1.48          | CTN  |
| 50466       | AL 350 N       | 350       | 1/2       | BROWN      | 20/299 | 6       | 2.08          | CTN  |
| 50468       | AL 400 N       | 400       | 1/2       | GREEN      | 22/472 | 6       | 2.56          | CTN  |
| 50470       | AL 500 N       | 500       | 1/2       | PINK       | 300    | 6       | 3.22          | CTN  |
| 50472       | # AL 600 N     | 600       | 1/2       | BLACK      | 24/473 | 3       | 2.24          | CTN  |
| 50474       | # AL 750 N     | 750       | 1/2       | YELLOW     | 936    | 3       | 2.30          | CTN  |
| 50478       | # AL 1000 N    | 1000      | 1/2       | BROWN      | 302    | 1       | 1.82          | EA   |

\*May be used for applications up to 35KV when proper installation and insulation procedures are employed.  
 # AL-N lugs have 1.75" maximum width to allow side-by-side NEMA mounting.



### STACKING ALUMINUM LUGS

Made of high conductivity wrought aluminum  
 Designed to fit specifically with AL-N series to form pair  
 Tin plated to provide corrosion resistance  
 Connector bores are coated with oxide inhibitor and capped  
 Marked with die index and die color



**Dual-Rated**  
 AL9CU  
 600 V\*

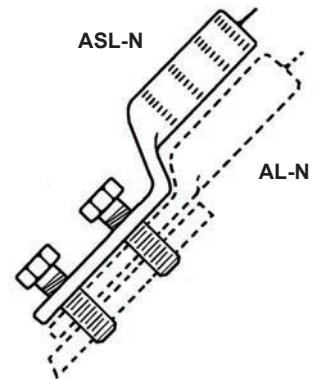
### ASL-N SERIES

### Two-Hole NEMA

| NAED NUMBER | CATALOG NUMBER | WIRE SIZE | BOLT SIZE | U-TYPE DIE |        | EST. SHIPPING |      |
|-------------|----------------|-----------|-----------|------------|--------|---------------|------|
|             |                |           |           | COLOR      | INDEX  | WEIGHT (lbs)  | UNIT |
| 60725       | ASL 10 N       | 1/0       | 1/2       | TAN        | 296    | 0.14          | EA   |
| 60730       | ASL 20 N       | 2/0       | 1/2       | OLIVE      | 297    | 0.15          | EA   |
| 60735       | ASL 30 N       | 3/0       | 1/2       | RUBY       | 467    | 0.15          | EA   |
| 60740       | ASL 40 N       | 4/0       | 1/2       | WHITE      | 17/298 | 0.23          | EA   |
| 60745       | ASL 250 N      | 250       | 1/2       | RED        | 18/324 | 0.25          | EA   |
| 60750       | ASL 300 N      | 300       | 1/2       | BLUE       | 19/470 | 0.30          | EA   |
| 60755       | ASL 350 N      | 350       | 1/2       | BROWN      | 20/299 | 0.36          | EA   |
| 60760       | ASL 400 N      | 400       | 1/2       | GREEN      | 22/472 | 0.45          | EA   |
| 60765       | ASL 500 N      | 500       | 1/2       | PINK       | 300    | 0.63          | EA   |
| 60770       | ASL 600 N      | 600       | 1/2       | BLACK      | 24/473 | 0.71          | EA   |
| 60775       | # ASL 750 N    | 750       | 1/2       | YELLOW     | 936    | 0.72          | EA   |

Suffix "N" indicates NEMA tang drilling, 1/4" on centers for 1/2" bolts.

\*May be used for applications up to 35KV when proper installation and insulation procedures are employed.  
 # All ASL-N lugs have 1.75" maximum width to allow side-by-side NEMA mounting.



#### CAUTION

ASL-N might not fit competitor lugs.  
 Greaves AL-N Series lugs are recommended to make a pair.  
 Straight lugs sold separately.



# GREAVES

## Dual-Rated


 600 V  
90° C

## COMPRESSION PIN TERMINAL ADAPTERS

Use to adapt oversized wire into lug  
Rated for full ampacity of incoming conductor  
Pre-filled with oxide-inhibitor, caps keep barrel clean  
Supplied with insulating cover

Aluminum barrels marked with wire size and die color code  
Install with die-type compression tools only  
Do not use dieless tools

## BI-METALLIC PIN ADAPTERS

Aluminum barrel with copper stranded pin, tin-plated  
For termination of aluminum or copper conductors into lugs made for copper or aluminum wire

### PT SERIES Concentric Copper Pin

| NAED NUMBER | CATALOG NUMBER | BARREL  |      | PIN |           | U-TYPE DIE |        | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|---------|------|-----|-----------|------------|--------|---------|---------------|------|
|             |                | WIRE    | O.D. | STR | CU LENGTH | COLOR      | INDEX  |         | WEIGHT (lbs)  | UNIT |
| 51906       | PT 6           | #6      |      | #8  | 7/8       |            |        | 25      | 1.8           | CTN  |
| 51904       | PT 4           | #4      | .66  | #6  | 7/8       |            |        | 25      | 1.8           | CTN  |
| 51902       | PT 2           | #2      |      | #4  | 7/8       | TAN        | 296    | 25      | 1.8           | CTN  |
| 51900       | PT 1           | #1      |      | #3  | 1         |            |        | 10      | .9            | CTN  |
| 51908       | PT 10          | 1/0     |      | #2  | 1¼        |            |        |         | 1.7           | CTN  |
| 51910       | PT 20          | 2/0     |      | #1  | 1¼        |            |        | 10      | 1.7           | CTN  |
| 51912       | PT 30          | 3/0     | .91  | 1/0 | 1½        | RED        | 18/324 |         | 1.8           | CTN  |
| 51914       | PT 40          | 4/0     |      | 2/0 | 1½        |            |        |         | 1.9           | CTN  |
| 51916       | PT 250         | 250     |      | 3/0 | 1½        |            |        |         | 3.0           | CTN  |
| 51918       | PT 300         | 300     | 1.16 | 4/0 | 1¾        | BROWN      | 20/299 | 10      | 3.3           | CTN  |
| 51920       | PT 350         | 350     |      | 4/0 | 1¾        |            |        |         | 3.3           | CTN  |
| 51922       | PT 400         | 400     | 1.38 | 250 | 1¾        | PINK       | 300    | 10      | 9.4           | CTN  |
| 51924       | PT 500         | 500     |      | 350 | 1¾        |            |        |         | 5.7           | CTN  |
| 51926       | PT 600         | 600     |      | 350 | 1¾        |            |        | 3       | 2.0           | CTN  |
| 51928       | PT 750         | 700-750 | 1.5  | 500 | 2         | YELLOW     | 936    |         | 2.5           | CTN  |



### ALUMINUM PIN ADAPTERS

For termination of aluminum or copper conductors into aluminum lugs only. Solid aluminum barrel and pin.

### PTA SERIES Concentric Aluminum Pin

| NAED NUMBER | CATALOG NUMBER | BARREL  |      | PIN      |        | U-TYPE DIE |        | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|---------|------|----------|--------|------------|--------|---------|---------------|------|
|             |                | WIRE    | O.D. | SOL ALUM | LENGTH | COLOR      | INDEX  |         | WEIGHT (lbs)  | UNIT |
| 51960       | PTA 6          | #6      |      | #4       | .68    |            |        |         |               | CTN  |
| 51961       | PTA 4          | #4      | .60  | #4       | .68    |            |        | 10      | .7            | CTN  |
| 51962       | PTA 2          | #2      |      | #4       | .68    | TAN        | 296    |         |               | CTN  |
| 51963       | PTA 1          | #1      |      | #3       | .84    |            |        |         |               | CTN  |
| 51964       | PTA 10         | 1/0     |      | #2       | 27/32  |            |        |         |               | CTN  |
| 51965       | PTA 20         | 2/0     | .86  | #1       | 27/32  |            |        | 10      | 1.1           | CTN  |
| 51966       | PTA 30         | 3/0     |      | 1/0      | 1½     | WHITE      | 17/298 |         |               | CTN  |
| 51967       | PTA 40         | 4/0     |      | 2/0      | 1½     |            |        |         |               | CTN  |
| 51968       | PTA 250        | 250     |      | 3/0      | 1½     |            |        |         |               | CTN  |
| 51969       | PTA 300        | 300     | 1.11 | 4/0      | 1½     | BROWN      | 20/299 | 10      | 1.9           | CTN  |
| 51970       | PTA 350        | 350     |      | 250      | 1½     |            |        |         |               | CTN  |
| 51971       | PTA 400        | 400     | 1.33 | 300      | 1½     | PINK       | 300    | 10      | 3.5           | CTN  |
| 51972       | PTA 500        | 500     |      | 350      | 1½     |            |        |         |               | CTN  |
| 51973       | PTA 600        | 600     | 1.47 | 400      | 1¾     | YELLOW     | 936    | 3       | 1.3           | CTN  |
| 51974       | PTA 750        | 700-750 |      | 500      | 1¾     |            |        |         |               | CTN  |



### PTO SERIES Offset Aluminum Pin

| NAED NUMBER | CATALOG NUMBER | BARREL  |      | PIN      |        | U-TYPE DIE |        | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|---------|------|----------|--------|------------|--------|---------|---------------|------|
|             |                | WIRE    | O.D. | SOL ALUM | LENGTH | COLOR      | INDEX  |         | WEIGHT (lbs)  | UNIT |
| 51940       | PTO 20         | 2/0     |      | #1       | 27/32  |            |        |         |               | CTN  |
| 51942       | PTO 30         | 3/0     | .86  | 1/0      | 1½     | WHITE      | 17/298 | 10      | 1.10          | CTN  |
| 51944       | PTO 40         | 4/0     |      | 2/0      | 1½     |            |        |         |               | CTN  |
| 51946       | PTO 250        | 250     |      | 3/0      | 1½     |            |        |         |               | CTN  |
| 51948       | PTO 300        | 300     | 1.11 | 4/0      | 1½     | BROWN      | 20/299 | 10      | 1.90          | CTN  |
| 51950       | PTO 350        | 350     |      | 250      | 1½     |            |        |         |               | CTN  |
| 51954       | PTO 500        | 500     | 1.33 | 350      | 1½     | PINK       | 300    | 10      | 3.50          | CTN  |
| 51956       | PTO 600        | 600     | 1.47 | 400      | 1¾     | YELLOW     | 936    | 3       | 1.30          | CTN  |
| 51958       | PTO 750        | 700-750 |      | 500      | 1¾     |            |        |         |               | CTN  |



Offset pin allows rotation to accommodate close wire spacings.



## COMPRESSION TOOLS FOR U-TYPE DIES

### 14.8 TON CORDLESS HYDRAULIC TOOL – B1300L-CA

Next generation cordless hydraulic tool, with 18V Li-Ion battery  
 OLED display shows real-time tool operating information: pressure, battery power LED work light  
 Battery-powered hand-held tool for easy installation of compression connectors  
 Two-speed action with rapid approach and slow speed for compression  
 Lightweight construction, balance for one-hand operation  
 Up to 200,000 crimping cycles  
 Accepts all U-type dies, sold separately  
 Operating temperature range: +5 to 122°F  
 C-shaped head with large 1.65 opening for easy insertion of barrels  
 up to 800MCM CU  
 Includes tool, battery, spare battery, shoulder strap, 115VAC charger,  
 and case with locations for 12 U-type dies



U-type dies  
 sold separately

| NAED NUMBER | CATALOG NUMBER |      | DIE RANGE AL-CU |        | DIMENSIONS INCHES | EST. SHIPPING |      |
|-------------|----------------|------|-----------------|--------|-------------------|---------------|------|
|             |                |      | MAX             | MIN    |                   | WEIGHT (lbs)  | UNIT |
| 61281       | GRE-801        | Tool | CU 800MCM       | #8 AWG | 18.5 X 4 X 9.4    | 26.4          | EA   |
|             |                |      | AL 750MCM       | #8 AWG |                   |               |      |

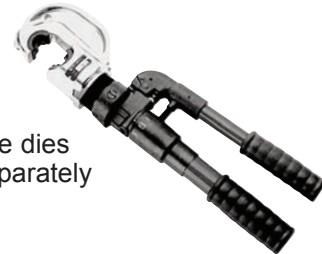
## HYDRAULIC COMPRESSION TOOLS – MANUAL

Tools accept industry-standard U-type dies, sold separately  
 Two-speed rapid approach action with slow power-speed to complete the compression  
 Includes heavy duty plastic case with storage for U-type dies

### 14.6 TON MANUAL HYDRAULIC TOOL – HT131LNC

C-shaped head with 1.65 inch opening for 800mcm  
 Safety-valve bypasses at max pressure  
 Head can rotate 180 degrees for easy positioning on connector

| NAED NUMBER | CATALOG NUMBER | DIE RANGE AL-CU |       | DIMENSIONS INCHES | EST. SHIPPING |      |
|-------------|----------------|-----------------|-------|-------------------|---------------|------|
|             |                | MAX             | MIN   |                   | WEIGHT (lbs)  | UNIT |
| 61215       | GRE-15         | 800MCM          | 8 STR | 20.5 X 5.7        | 21            | EA   |



U-type dies  
 sold separately

### 12 TON MANUAL HYDRAULIC TOOL – HKL1232

C-style head with 1.4 inch opening for 750MCM connectors  
 Push button permits dies to be inserted and removed easily  
 Strong lightweight fiberglass handles  
 Accepts industry-standard U-type dies as well as Greenlee KC12, KA12 and KD12  
 UL c/us Listed

| NAED NUMBER | CATALOG NUMBER | DIE RANGE AL-CU |       | DIMENSIONS INCHES | EST. SHIPPING |      |
|-------------|----------------|-----------------|-------|-------------------|---------------|------|
|             |                | MAX             | MIN   |                   | WEIGHT (lbs)  | UNIT |
| 61216       | GRE-16         | 750MCM          | 8 STR | 24.2 X 5.9        | 14.4          | EA   |



U-type dies  
 sold separately



## COMPRESSION TOOLS

### U-TYPE COMPRESSION DIES

Industry-standard U-type dies fit most 12-14 ton compression tools

| NAED NUMBER | CATALOG NUMBER | U-TYPE DIE |        | COPPER LUGS & SPLICES | WIRE SIZE            |                              | PT SERIES ALUM PIN TERMINALS | EST. SHIPPING |      |
|-------------|----------------|------------|--------|-----------------------|----------------------|------------------------------|------------------------------|---------------|------|
|             |                | COLOR      | INDEX  |                       | ALUM. LUGS & SPLICES | PT SERIES ALUM PIN TERMINALS |                              | WEIGHT (lbs)  | UNIT |
| 60804       | DIE 0          | RED        | 6      | 8                     | -                    | -                            | -                            |               | EA   |
| 60805       | DIE-1          | BLUE       | 7/374  | 6                     | 8                    | -                            | -                            |               | EA   |
| 60810       | DIE-2          | GRAY       | 8/346  | 4                     | 6                    | -                            | -                            | .50           | EA   |
| 60811       | DIE 2A         | WHITE      | 9      | 3-2 SOL               | -                    | -                            | -                            |               | EA   |
| 60815       | DIE-3          | BROWN      | 10     | 2                     | -                    | -                            | -                            |               | EA   |
| 60820       | DIE-4          | GREEN      | 11/375 | 1                     | 4                    | -                            | -                            |               | EA   |
| 60825       | DIE-5          | PINK       | 12/348 | 1/0                   | 2, 1                 | -                            | -                            |               | EA   |
| 60830       | DIE-6          | BLACK      | 13     | 2/0                   | -                    | -                            | -                            | .61           | EA   |
| 60835       | DIE-7          | TAN        | 296    | -                     | 1/0                  | 6, 4, 2, 1                   | -                            |               | EA   |
| 60840       | DIE-8          | ORANGE     | 14     | 3/0                   | -                    | -                            | -                            |               | EA   |
| 60845       | DIE-9          | OLIVE      | 297    | -                     | 2/0                  | -                            | -                            |               | EA   |
| 60850       | DIE-10         | RUBY       | 467    | -                     | 3/0                  | -                            | -                            |               | EA   |
| 60855       | DIE-11         | PURPLE     | 15     | 4/0                   | -                    | -                            | -                            | .48           | EA   |
| 60860       | DIE-12         | YELLOW     | 16     | 250 MCM               | -                    | -                            | -                            |               | EA   |
| 60865       | DIE-13         | WHITE      | 17/298 | 300 MCM               | 4/0                  | -                            | -                            | .46           | EA   |
| 60870       | DIE-14         | RED        | 18/324 | 350 MCM               | 250 MCM              | 1/0, 2/0, 3/0, 4/0           | -                            | .44           | EA   |
| 60875       | DIE-15         | BLUE       | 19/470 | 400 MCM               | 300 MCM              | -                            | -                            | .42           | EA   |
| 60880       | DIE-16         | BROWN      | 20/299 | 500 MCM               | 350 MCM              | 250, 300, 350 MCM            | -                            | .40           | EA   |
| 60885       | DIE-17         | GREEN      | 22/472 | 600 MCM               | 400 MCM              | -                            | -                            | .27           | EA   |
| 60890       | DIE-18         | PINK       | 300    | -                     | 500 MCM              | 400, 500 MCM                 | -                            | .36           | EA   |
| 60895       | DIE-19         | BLACK      | 24/473 | 750 MCM               | 600 MCM              | -                            | -                            | .34           | EA   |
| 60899       | DIE-20         | YELLOW     | 936    | -                     | 750 MCM              | 600, 750 MCM                 | -                            | .33           | EA   |
| 60898       | DIE-21         | RED        | 301    | -                     | 750 MCM              | -                            | -                            | .33           | EA   |



### MANUAL DIELESS QUAD-POINT FLIP-TOP TOOL – HK06FT

4 indentors, flip-top style with pull-pin to open the head

Two-speed pump advances quickly to start the crimp, slowly to complete

Compact, with 350-degree head rotation

Includes carrying case, test gauge, test slugs

| NAED NUMBER | CATALOG NUMBER | WIRE RANGE |         |         |         | DIMENSIONS |     | EST. SHIPPING |      |
|-------------|----------------|------------|---------|---------|---------|------------|-----|---------------|------|
|             |                | CU MAX.    | CU MIN. | AL MAX. | AL MIN. | L          | W   | WEIGHT (lbs)  | UNIT |
| 61248       | GRE-750        | 750 MCM    | 4 AWG   | 750 MCM | 6 AWG   | 21.1       | 7.5 | 9.0           | EA   |



GRE-750

### MANUAL SINGLE-POINT DIELESS TOOLS

Single indent compressor

Adjustable for a wide range of copper or aluminum compression connectors

Extension handles on GRE500 provide additional leverage

| NAED NUMBER | CATALOG NUMBER | WIRE RANGE |         |         |         | DIMENSIONS |   | EST. SHIPPING |      |
|-------------|----------------|------------|---------|---------|---------|------------|---|---------------|------|
|             |                | CU MAX.    | CU MIN. | AL MAX. | AL MIN. | L          | W | WEIGHT (lbs)  | UNIT |
| 61250       | GRE-250        | 250 MCM    | 8 AWG   | 4/0 AWG | 8 AWG   | 22         | 4 | 6.5           | EA   |
| 61260       | GRE-500        | 500 MCM    | 8 AWG   | 500 MCM | 8 AWG   | 26         | 5 | 10.2          | EA   |



GRE-250



GRE-500





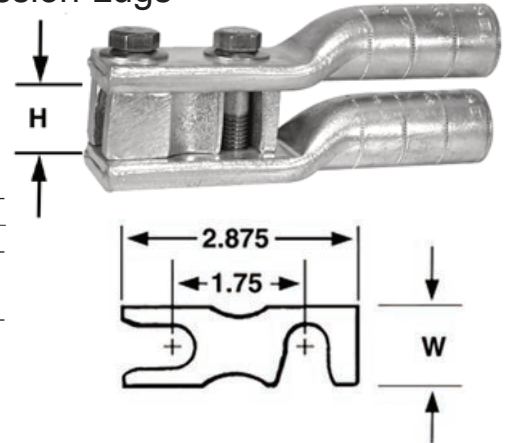
## COMPRESSION ACCESSORIES

### STACKLUG™ ADAPTERS

#### Stacking Adapters for Aluminum and Copper Compression Lugs

Tin-plated impacted pure aluminum for good conductivity and corrosion resistance  
 Two sizes accommodate terminals from 1/0 through 750 MCM  
 Allows stacking of standard terminals  
 Keeps costly inventories to a minimum

Dual-Rated



### TSA SERIES

| NAED NUMBER | CATALOG NUMBER | BOLT SPACING | H     | W    | TERMINAL MAX - MIN | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|--------------|-------|------|--------------------|---------|---------------|------|
|             |                |              |       |      |                    |         | WEIGHT (lbs)  | UNIT |
| 14090       | TSA-875        | 1.75         | .875  | 1.0  | 250 - 1/0          | 10      | 1.56          | CTN  |
| 14091       | TSA-1125       |              | 1.125 | 1.38 | 750 - 1/0          | 10      | 3.16          | CTN  |

To stack 4 hole NEMA drilled terminals, use 2 adapters assembled in parallel.

### BELLEMORE™ BUSHINGS

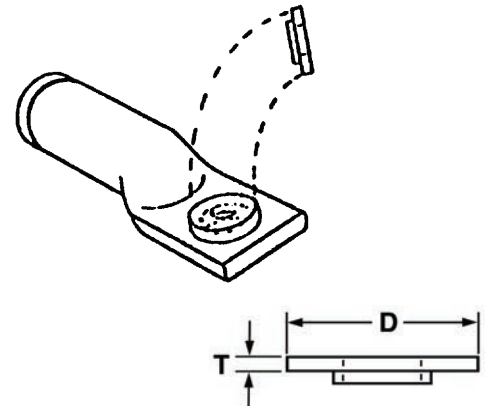
#### Hole-Reducer Mounting Adapters

Use to down-size a mounting hole and maintain concentricity  
 Makes a secure trouble-free terminal mounting  
 Simple to use: just replace a flat washer with the appropriate bushing  
 Reduces costly lug inventory by making existing inventory more versatile  
 Suitable for use with both copper and aluminum terminals  
 Tin-plated high copper alloy

### LP-R SERIES

| NAED NUMBER | CATALOG NUMBER | MOUNTING HOLE REDUCTION | DIMENSIONS |      | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|-------------------------|------------|------|---------|---------------|------|
|             |                |                         | D          | T    |         | WEIGHT (lbs)  | UNIT |
| 14013       | LP 1R3         | 5/8 to 1/2              | 1          | .080 | 10      | 0.19          | CTN  |
| 14036       | LP 3R6         | 1/2 to 3/8              | 7/8        | .062 | 25      | 0.35          | CTN  |
| 14030       | LP 3R0         | 1/2 to 1/4              | 7/8        | .062 | 25      | 0.28          | CTN  |
| 14068       | LP 6R8         | 3/8 to 5/16             | 3/4        | .062 | 25      | 0.20          | CTN  |
| 14060       | LP 6R0         | 3/8 to 1/4              | 3/4        | .062 | 25      | 0.23          | CTN  |
| 14080       | LP 8R0         | 5/16 to 1/4             | 11/16      | .062 | 25      | 0.15          | CTN  |

Specifically designed for use with Greaves compression connectors.





## ACCESSORIES

# BUG-LUG™

## OXIDE-INHIBITOR ELECTRICAL JOINT COMPOUND

Stable over wide temperature range  
 Assures a high-conductivity joint, seals out air and moisture  
 Seals out air and moisture from joint to prevent oxidation and corrosion  
 Suitable for bolted connector applications and aluminum conduit threads  
 Supple round polyethylene squeeze bottle for easy application, wide mouth for wire dipping  
 Compact 12-bottle carton (9 inch wide x 6½ inch deep) fits on a small counter or shelf space

### BLZNG

#### Utility Grade

Universal non-petroleum based oxide-inhibitor compound  
 Contains homogeneously suspended zinc particles  
 Recommended for all AL/AL, AL/CU and CU/CU joints  
 Recommended especially for AL/AL and AL/CU compression joints

Metal particles help to break through thin oxide film on aluminum surfaces  
 Particles aid in gripping the connector and enhance electrical conductivity  
 Compatible with rubber, polyethylene, and most other insulating materials  
 Compatible with linesman rubber gloves  
 Workable from -10°F to 300°F  
 Service Temperature Range -40°F to 350°F  
 Will not wash off from exposure to the elements  
 Grey color

| NAED NUMBER | CATALOG NO. | DESCRIPTION              | CTN QTY | EST. SHIPPING WEIGHT (lbs) UNIT |     |
|-------------|-------------|--------------------------|---------|---------------------------------|-----|
|             |             |                          |         | 13                              | CTN |
| 13990       | BLZNG-8     | 8 fl. oz. SQUEEZE BOTTLE | 12      | 13                              | CTN |



### BLOX

#### Commercial Grade

Petroleum based oxide-inhibitor compound  
 Suitable for all AL/AL, AL/CU, and CU/CU joints  
 Suitable for copper joints in direct burial  
 Not recommended with rubber gloves or rubber insulating materials  
 Compatible with polyethylene and most other insulating materials  
 Workable from -20°F to 300°F  
 Service Temperature Range -40°F to 300°F  
 Amber color

| NAED NUMBER | CATALOG NO. | DESCRIPTION              | CTN QTY | EST. SHIPPING WEIGHT (lbs) UNIT |     |
|-------------|-------------|--------------------------|---------|---------------------------------|-----|
|             |             |                          |         | 8                               | EA  |
| 13980       | BLOX-8      | 8 fl. oz. SQUEEZE BOTTLE | 12      | 8                               | CTN |
| 13982       | BLOX-1G     | 1 Gallon CAN             | 1       | 9                               | EA  |

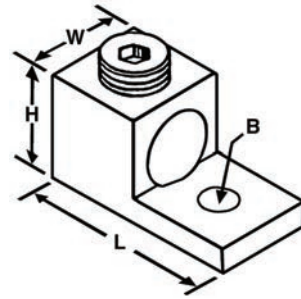




## MECHANICAL LUGS – ALUMINUM

Range-taking mechanical set-screw lugs  
High strength extruded aluminum alloy  
Electro tin plated

### SAL SERIES



**Dual-Rated**  
CU9AL  
600 V



| NAED NUMBER                             | CATALOG NUMBER | WIRE RANGE<br>AL OR CU |         | DIMENSIONS (IN)                 |                                 |                                 | BOLT SIZE<br>B | FIG. | CTN QTY | EST. SHIPPING |      |  |
|---|----------------|------------------------|---------|---------------------------------|---------------------------------|---------------------------------|----------------|------|---------|---------------|------|--|
|   |                | MAX.                   | MIN.    | L                               | W                               | H                               |                |      |         | WEIGHT (lbs)  | UNIT |  |
| <b>SINGLE BARREL</b>                    |                |                        |         |                                 |                                 |                                 |                |      |         |               |      |  |
| 50130                                   | *A-614         | #4 STR                 | #14 STR | 1 <sup>1</sup> / <sub>16</sub>  | 1/2                             | 1/2                             | 1/4            | 1    | 250     | 3.31          | CTN  |  |
| 50120                                   | *A-212         | #2 STR                 | #14 STR | 1 <sup>5</sup> / <sub>32</sub>  | 1/2                             | 9/16                            | 1/4            | 1    | 200     | 3.58          | CTN  |  |
| 50110                                   | *A-2/0         | 2/0 STR                | #14 STR | 1 <sup>1</sup> / <sub>2</sub>   | 5/8                             | 3/4                             | 1/4            | 1    | 50      | 1.78          | CTN  |  |
| 50115                                   | A-3/0          | 3/0 STR                | #6 STR  | 1 <sup>7</sup> / <sub>8</sub>   | 11/16                           | 7/8                             | 1/4            | 1    | 50      | 3.14          | CTN  |  |
| 50140                                   | A-250          | 250 MCM                | #6 STR  | 2                               | 1                               | 1 <sup>1</sup> / <sub>32</sub>  | 5/16           | 1    | 25      | 2.37          | CTN  |  |
| 50150                                   | A-300          | 300 MCM                | #6 STR  | 2                               | 1                               | 1 <sup>5</sup> / <sub>16</sub>  | 5/16           | 1    | 20      | 1.82          | CTN  |  |
| 50160                                   | A-350          | 350 MCM                | #6 STR  | 2 <sup>1</sup> / <sub>4</sub>   | 1 <sup>1</sup> / <sub>8</sub>   | 1 <sup>1</sup> / <sub>4</sub>   | 3/8            | 1    | 20      | 2.80          | CTN  |  |
| 50170                                   | A-500          | 500 MCM                | #6 STR  | 2 <sup>13</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>2</sub>   | 1 <sup>9</sup> / <sub>16</sub>  | 3/8            | 1    | 10      | 2.48          | CTN  |  |
| 50180                                   | A-600          | 600 MCM                | #2 STR  | 3 <sup>3</sup> / <sub>16</sub>  | 1 <sup>1</sup> / <sub>2</sub>   | 1 <sup>9</sup> / <sub>16</sub>  | 3/8            | 1    | 4       | 0.91          | CTN  |  |
| 50190                                   | A-800          | 800 MCM                | 300 MCM | 3 <sup>3</sup> / <sub>8</sub>   | 1 <sup>3</sup> / <sub>4</sub>   | 1 <sup>15</sup> / <sub>16</sub> | 5/8            | 1    | 4       | 1.80          | CTN  |  |
| 50200                                   | A-1000         | 1000 MCM               | 500 MCM | 3 <sup>7</sup> / <sub>8</sub>   | 1 <sup>3</sup> / <sub>4</sub>   | 1 <sup>15</sup> / <sub>16</sub> | 5/8            | 1    | 4       | 2.12          | CTN  |  |
| <b>SINGLE BARREL NEMA TANG DRILLING</b> |                |                        |         |                                 |                                 |                                 |                |      |         |               |      |  |
| 71049                                   | A-250N         | 250 MCM                | #6 STR  | 4                               | 7/8                             | 1 <sup>3</sup> / <sub>16</sub>  | 1/2            | 2    | 3       | 0.44          | CTN  |  |
| 71050                                   | A-350N         | 350 MCM                | #6 STR  | 4 <sup>5</sup> / <sub>16</sub>  | 1 <sup>1</sup> / <sub>4</sub>   | 1 <sup>3</sup> / <sub>8</sub>   | 1/2            | 2    | 3       | 0.71          | CTN  |  |
| 71055                                   | A-600N         | 600 MCM                | #2 STR  | 4 <sup>1</sup> / <sub>2</sub>   | 1 <sup>1</sup> / <sub>2</sub>   | 1 <sup>5</sup> / <sub>8</sub>   | 1/2            | 2    | 3       | 1.27          | CTN  |  |
| 71060                                   | A-800N         | 800 MCM                | 300 MCM | 4 <sup>3</sup> / <sub>4</sub>   | 1 <sup>3</sup> / <sub>4</sub>   | 1 <sup>15</sup> / <sub>16</sub> | 1/2            | 2    | 4       | 2.36          | CTN  |  |
| 71061                                   | A-1000N        | 1000 MCM               | 500 MCM | 4 <sup>3</sup> / <sub>4</sub>   | 1 <sup>3</sup> / <sub>4</sub>   | 1 <sup>15</sup> / <sub>16</sub> | 1/2            | 2    | 3       | 1.65          | CTN  |  |
| 71056                                   | A-600N-2       | 600 MCM                | 2 STR   | 6 <sup>1</sup> / <sub>8</sub>   | 1 <sup>1</sup> / <sub>2</sub>   | 1 <sup>7</sup> / <sub>8</sub>   | 1/2            | 3    | 4       | 3.10          | CTN  |  |
| 71062                                   | A-800N-2       | 800 MCM                | 300 MCM | 6 <sup>1</sup> / <sub>8</sub>   | 1 <sup>1</sup> / <sub>2</sub>   | 1 <sup>7</sup> / <sub>8</sub>   | 1/2            | 3    | 4       | 3.46          | CTN  |  |
| 71063                                   | A-1000N-2      | 1000 MCM               | 500 MCM | 6 <sup>1</sup> / <sub>8</sub>   | 1 <sup>1</sup> / <sub>16</sub>  | 1 <sup>7</sup> / <sub>8</sub>   | 1/2            | 3    | 4       | 3.76          | CTN  |  |
| <b>TWO BARREL</b>                       |                |                        |         |                                 |                                 |                                 |                |      |         |               |      |  |
| 50215                                   | *AA-2/0        | 2/0 STR                | #14 STR | 1 <sup>1</sup> / <sub>2</sub>   | 1 <sup>1</sup> / <sub>4</sub>   | 13/16                           | 1/4            | 4    | 25      | 2.05          | CTN  |  |
| 50220                                   | AA-250         | 250 MCM                | #6 STR  | 2 <sup>3</sup> / <sub>16</sub>  | 1 <sup>1</sup> / <sub>16</sub>  | 1 <sup>7</sup> / <sub>32</sub>  | 3/8            | 4    | 10      | 2.00          | CTN  |  |
| 50230                                   | AA-350         | 350 MCM                | #6 STR  | 2 <sup>7</sup> / <sub>8</sub>   | 1 <sup>15</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>4</sub>   | 1/2            | 4    | 5       | 0.95          | CTN  |  |
| 50240                                   | AA-600         | 600 MCM                | #2 STR  | 3 <sup>1</sup> / <sub>32</sub>  | 2 <sup>7</sup> / <sub>16</sub>  | 1 <sup>9</sup> / <sub>16</sub>  | 1/2            | 4    | 4       | 2.18          | CTN  |  |
| 50250                                   | AA-800         | 800 MCM                | 300 MCM | 3 <sup>3</sup> / <sub>8</sub>   | 3 <sup>3</sup> / <sub>16</sub>  | 1 <sup>15</sup> / <sub>16</sub> | 5/8            | 4    | 3       | 2.65          | CTN  |  |
| 50260                                   | AA-1000        | 1000 MCM               | 500 MCM | 3 <sup>7</sup> / <sub>8</sub>   | 3 <sup>3</sup> / <sub>16</sub>  | 1 <sup>15</sup> / <sub>16</sub> | 5/8            | 4    | 3       | 2.83          | CTN  |  |

Suffix "N" indicates NEMA tang drilling, 1<sup>3</sup>/<sub>4</sub>" on centers for 1/2" bolts.

\* Supplied with slotted screws for screwdriver use.



Figure 1



Figure 2



Figure 3



Figure 4

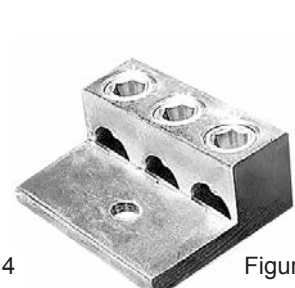


Figure 4A

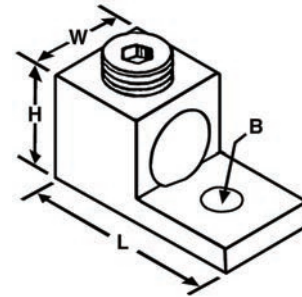


**Dual-Rated**  
CU9AL  
600 V



# MECHANICAL LUGS – ALUMINUM

Range-taking mechanical set-screw lugs  
High strength extruded aluminum alloy  
Electro tin plated



## SAL SERIES

| NAED NUMBER                            | CATALOG NUMBER      | WIRE RANGE<br>AL OR CU |         | DIMENSIONS (IN)                |                                 |                                 | BOLT SIZE<br>B | FIG. | CTN QTY | EST. SHIPPING |      |
|--|---------------------|------------------------|---------|--------------------------------|---------------------------------|---------------------------------|----------------|------|---------|---------------|------|
|  |                     | MAX.                   | MIN.    | L                              | W                               | H                               |                |      |         | WEIGHT (lbs)  | UNIT |
| <b>TWO BARREL NEMA TANG DRILLING</b>   |                     |                        |         |                                |                                 |                                 |                |      |         |               |      |
| 71064                                  | <b>AA-250N</b>      | 250 MCM                | #6 STR  | 4                              | 1 <sup>13</sup> / <sub>16</sub> | 1 <sup>13</sup> / <sub>16</sub> | 1/2            | 5    | 3       | 1.03          | CTN  |
| 71065                                  | <b>AA-350N</b>      | 350 MCM                | #6 STR  | 4 <sup>5</sup> / <sub>16</sub> | 2                               | 1 <sup>3</sup> / <sub>8</sub>   | 1/2            | 5    | 3       | 1.42          | CTN  |
| 71070                                  | <b>AA-600N</b>      | 600 MCM                | #2 STR  | 4 <sup>5</sup> / <sub>8</sub>  | 2 <sup>7</sup> / <sub>16</sub>  | 1 <sup>9</sup> / <sub>16</sub>  | 1/2            | 5    | 3       | 2.17          | CTN  |
| 71075                                  | <b>AA-800N</b>      | 800 MCM                | 300 MCM | 4 <sup>3</sup> / <sub>4</sub>  | 3 <sup>3</sup> / <sub>16</sub>  | 1 <sup>15</sup> / <sub>16</sub> | 1/2            | 5    | 3       | 4.02          | EA   |
| 12361                                  | <b>AA-1000N</b>     | 1000 MCM               | 500 MCM | 4 <sup>3</sup> / <sub>4</sub>  | 3 <sup>3</sup> / <sub>16</sub>  | 1 <sup>15</sup> / <sub>16</sub> | 1/2            | 5    | 3       | 3.90          | EA   |
| 12371                                  | <b>AA-600N-2</b>    | 600 MCM                | #2 STR  | 5 <sup>7</sup> / <sub>8</sub>  | 2 <sup>9</sup> / <sub>16</sub>  | 1 <sup>5</sup> / <sub>8</sub>   | 1/2            | 5A   | 3       | 3.42          | CTN  |
| 12376                                  | <b>AA-800N-2</b>    | 800 MCM                | 350 MCM | 6 <sup>1</sup> / <sub>8</sub>  | 3 <sup>9</sup> / <sub>16</sub>  | 1 <sup>15</sup> / <sub>16</sub> | 1/2            | 5A   | 1       | 1.43          | EA   |
| <b>THREE BARREL NEMA TANG DRILLING</b> |                     |                        |         |                                |                                 |                                 |                |      |         |               |      |
| 50270                                  | * <b>AAA-2</b>      | #2 STR                 | #14 STR | 1.16                           | 1.63                            | .56                             | 1/4            | 4A   | 5       | .4            | CTN  |
| 50273                                  | * <b>AAA-2/0</b>    | #2/0 STR               | #14 STR | 1.47                           | 1.66                            | .78                             | 1/4            | 4A   | 5       | .7            | CTN  |
| 12365                                  | <b>AAA-250N</b>     | 250 MCM                | #6 STR  | 4 <sup>1</sup> / <sub>8</sub>  | 2 <sup>13</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>4</sub>   | 1/2            | 6    | 3       | 1.54          | CTN  |
| 12370                                  | <b>AAA-350N</b>     | 350 MCM                | #6 STR  | 4 <sup>1</sup> / <sub>4</sub>  | 3                               | 1 <sup>3</sup> / <sub>8</sub>   | 1/2            | 6    | 2       | 0.85          | CTN  |
| 12372                                  | <b>AAA-600N</b>     | 600 MCM                | #2 STR  | 4 <sup>1</sup> / <sub>2</sub>  | 3 <sup>3</sup> / <sub>4</sub>   | 1 <sup>5</sup> / <sub>8</sub>   | 1/2            | 6    | 3       | 3.06          | CTN  |
| 12375                                  | <b>AAA-800N</b>     | 800 MCM                | 350 MCM | 4 <sup>3</sup> / <sub>4</sub>  | 4 <sup>1</sup> / <sub>2</sub>   | 1 <sup>3</sup> / <sub>4</sub>   | 1/2            | 6    | 2       | 2.56          | CTN  |
| 12380                                  | <b>AAA-1000N</b>    | 1000 MCM               | 500 MCM | 4 <sup>3</sup> / <sub>4</sub>  | 4 <sup>1</sup> / <sub>2</sub>   | 1 <sup>3</sup> / <sub>4</sub>   | 1/2            | 6    | 2       | 3.02          | CTN  |
| 12382                                  | <b>AAA-600N-2</b>   | 600 MCM                | #2 STR  | 5 <sup>7</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>4</sub>   | 1 <sup>5</sup> / <sub>8</sub>   | 1/2            | 7    | 3       | 5.13          | CTN  |
| 12377                                  | <b>AAA-800N-2</b>   | 800 MCM                | 350 MCM | 6 <sup>1</sup> / <sub>8</sub>  | 4 <sup>9</sup> / <sub>16</sub>  | 1 <sup>15</sup> / <sub>16</sub> | 1/2            | 7    | 3       | 5.04          | CTN  |
| 12383                                  | <b>AAA-1000N-2</b>  | 1000 MCM               | 500 MCM | 6 <sup>1</sup> / <sub>8</sub>  | 4 <sup>3</sup> / <sub>4</sub>   | 1 <sup>15</sup> / <sub>16</sub> | 1/2            | 7    | 3       | 4.98          | CTN  |
| <b>FOUR BARREL NEMA TANG DRILLING</b>  |                     |                        |         |                                |                                 |                                 |                |      |         |               |      |
| 12385                                  | <b>AAAA-250N</b>    | 250 MCM                | #6 STR  | 4 <sup>1</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>4</sub>   | 1 <sup>1</sup> / <sub>4</sub>   | 1/2            | 8    | 4       | 2.82          | CTN  |
| 12390                                  | <b>AAAA-350N</b>    | 350 MCM                | #6 STR  | 4 <sup>5</sup> / <sub>16</sub> | 4                               | 1 <sup>3</sup> / <sub>8</sub>   | 1/2            | 8    | 4       | 3.53          | CTN  |
| 12392                                  | <b>AAAA-600N</b>    | 600 MCM                | #2 STR  | 4 <sup>1</sup> / <sub>2</sub>  | 4 <sup>7</sup> / <sub>8</sub>   | 1 <sup>5</sup> / <sub>8</sub>   | 1/2            | 8    | 3       | 4.02          | CTN  |
| 12395                                  | <b>AAAA-800N</b>    | 800 MCM                | 350 MCM | 4 <sup>3</sup> / <sub>4</sub>  | 5 <sup>1</sup> / <sub>2</sub>   | 1 <sup>3</sup> / <sub>4</sub>   | 1/2            | 8    | 2       | 4.14          | CTN  |
| 12399                                  | <b>AAAA-1000N</b>   | 1000 MCM               | 500 MCM | 4 <sup>3</sup> / <sub>4</sub>  | 5 <sup>15</sup> / <sub>16</sub> | 1 <sup>15</sup> / <sub>16</sub> | 1/2            | 8    | 2       | 3.60          | CTN  |
| 12396                                  | <b>AAAA-600N-2</b>  | 600 MCM                | #2 STR  | 5 <sup>7</sup> / <sub>8</sub>  | 5 <sup>1</sup> / <sub>8</sub>   | 1 <sup>5</sup> / <sub>8</sub>   | 1/2            | 9    | 2       | 4.72          | CTN  |
| 12397                                  | <b>AAAA-800N-2</b>  | 800 MCM                | 350 MCM | 6 <sup>1</sup> / <sub>8</sub>  | 5 <sup>1</sup> / <sub>2</sub>   | 1 <sup>7</sup> / <sub>8</sub>   | 1/2            | 9    | 1       | 2.56          | EA   |
| 12398                                  | <b>AAAA-1000N-2</b> | 1000 MCM               | 500 MCM | 6 <sup>1</sup> / <sub>8</sub>  | 6 <sup>1</sup> / <sub>8</sub>   | 1 <sup>15</sup> / <sub>16</sub> | 1/2            | 9    | 1       | 2.56          | EA   |

Suffix "N" indicates NEMA tang drilling, 1<sup>3</sup>/<sub>4</sub>" on centers for 1/2" bolts.  
\* Not NEMA tang drilling.

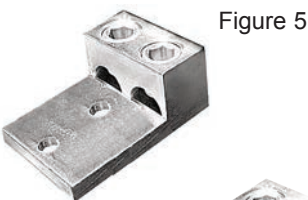


Figure 5



Figure 6  
Fits 2-Hole or 4-Hole  
NEMA Bolt Pattern



Figure 8

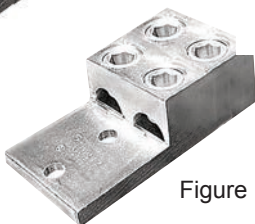


Figure 5A



Figure 7

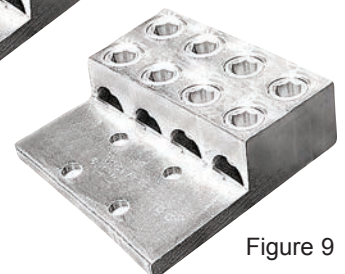


Figure 9





Dual-Rated

600 V  
CUAL



## MECHANICAL LUGS – ALUMINUM STEPPED MULTI-CABLE

Range-taking mechanical set-screw lugs  
High strength extruded aluminum alloy  
Electro tin plated

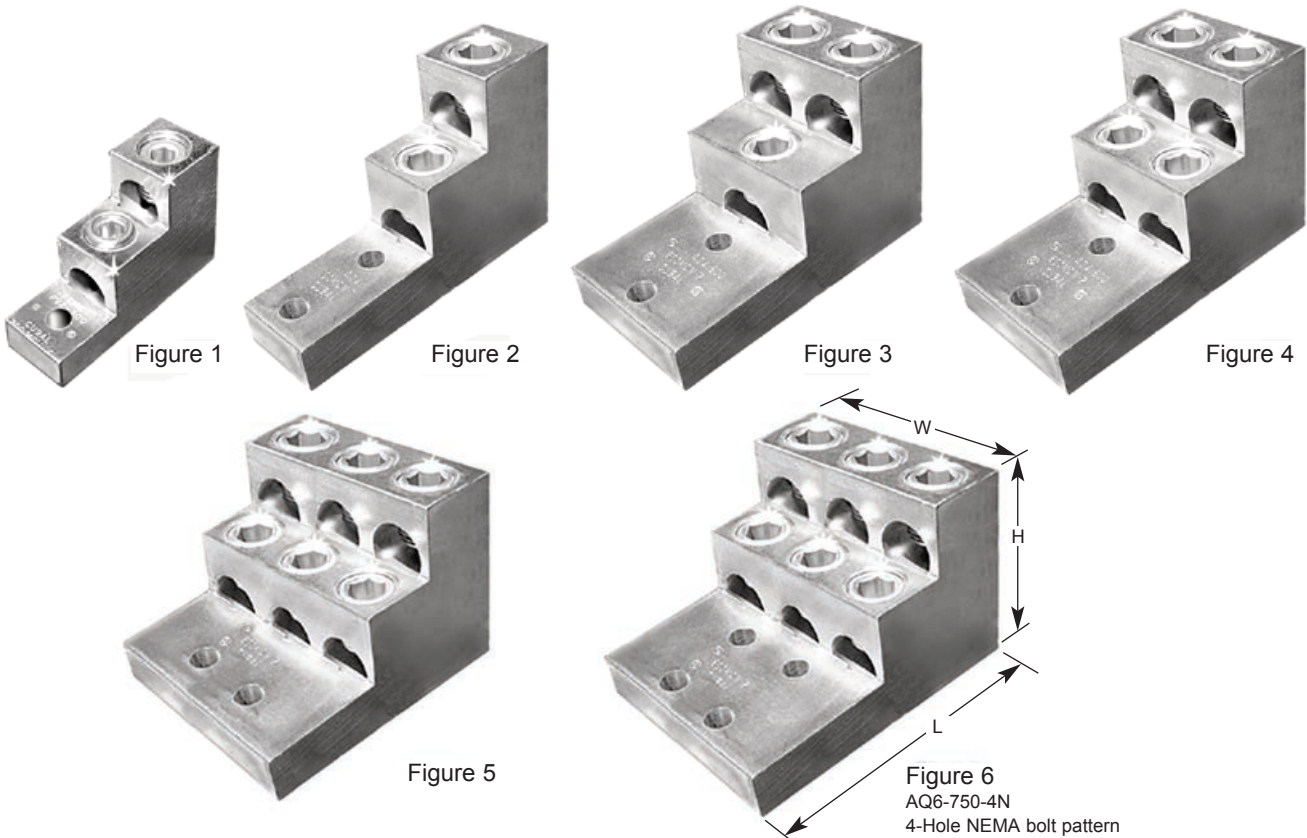
### AQ SERIES

| NAED NUMBER                     | CATALOG NUMBER | WIRE RANGE |         | BOLT |         | DIMENSIONS (IN) |      |     | *TEMP. RATING | FIG. | CTN QTY | EST. SHIPPING |      |
|---------------------------------|----------------|------------|---------|------|---------|-----------------|------|-----|---------------|------|---------|---------------|------|
|                                 |                | MAX.       | MIN.    | SIZE | SPACING | L               | W    | H   |               |      |         | WEIGHT (lbs)  | UNIT |
| <b>PANELBOARD BOLT MOUNTING</b> |                |            |         |      |         |                 |      |     |               |      |         |               |      |
| 12400                           | AQ 2-300       | 300 MCM    | #6 STR  | 5/16 | –       | 3.00            | 1.00 | 2.0 | CU9AL         | 1    | 3       | 1.17          | CTN  |
| 12405                           | AQ 2-600       | 600 MCM    | #2 STR  | 3/8  | 1 3/8   | 5.06            | 1.50 | 3.0 | CU7AL         | 2    | 3       | 3.15          | CTN  |
| 12406                           | AQ 2-750†      | 750 MCM    | 1/0     | 3/8  | 1 3/8   | 5.00            | 1.69 | 3.0 | CU9AL         | 2    | 4       | 3.40          | CTN  |
| 12410                           | AQ 2-800       | 800 MCM    | 300 MCM | 3/8  | 1 3/8   | 4.91            | 1.50 | 3.0 | CU7AL         | 3    | 4       | 4.08          | CTN  |
| 12415                           | AQ 3-600       | 600 MCM    | #2 STR  | 3/8  | 1 3/8   | 5.06            | 2.47 | 2.9 | CU7AL         | 3    | 3       | 5.13          | CTN  |
| 12420                           | AQ 3-800       | 800 MCM    | 300 MCM | 3/8  | 1 3/8   | 4.91            | 2.63 | 3.0 | CU7AL         | 3    | 4       | 5.37          | CTN  |
| 12425                           | AQ 4-600       | 600 MCM    | #2 STR  | 3/8  | 1 3/8   | 5.06            | 2.47 | 2.9 | CU7AL         | 4    | 4       | 3.84          | CTN  |
| 12430                           | AQ 4-800       | 800 MCM    | 300 MCM | 3/8  | 1 3/8   | 4.91            | 2.63 | 3.0 | CU7AL         | 4    | 4       | 6.20          | CTN  |
| 12452                           | AQ 6-500-2††   | 500 MCM    | #2 STR  | 3/8  | 1 3/8   | 4.90            | 3.75 | 3.0 | CU9AL         | 5    | 3       | 5.49          | CTN  |
| 12472                           | AQ 6-750-2††   | 750 MCM    | 1/0     | 3/8  | 1 3/8   | 5.75            | 1.69 | 3.0 | CU9AL         | 5    | 3       | 5.10          | CTN  |
| <b>NEMA BOLT MOUNTING</b>       |                |            |         |      |         |                 |      |     |               |      |         |               |      |
| 12407                           | AQ 2-750N      | 750 MCM    | 1/0 STR | 1/2  | 1 3/8   | 5.75            | 1.69 | 3.0 | CU9AL         | 2    | 4       | 4.00          | CTN  |
| 12428                           | AQ 4-750N      | 750 MCM    | 1/0 STR | 1/2  | 1 3/8   | 5.75            | 3.1  | 3.0 | CU9AL         | 4    | 2       | 2.82          | CTN  |
| 12474                           | AQ 6-750-4N††  | 750 MCM    | 1/0 STR | 1/2  | 1 3/8   | 5.35            | 3.75 | 3.0 | CU9AL         | 6    | 2       | 3.46          | CTN  |

For Stainless Steel mounting hardware, see HARDWARE section. Hardware sold separately.

† UL only, not CSA.

†† UL Recognition.

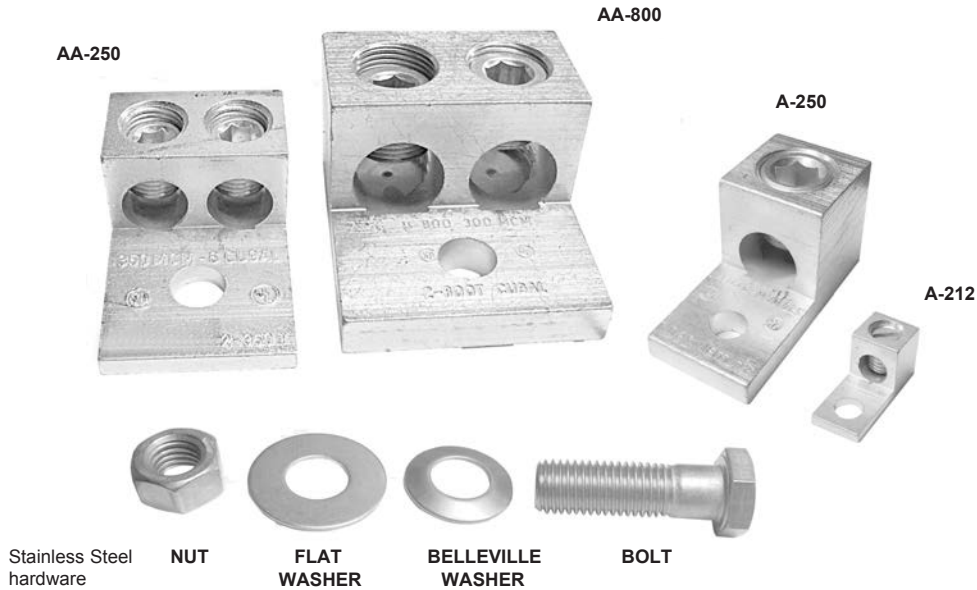




# TRANSFORMER LUG KITS

Kits contain lugs and hardware for typical dry-type transformer installations  
 Lugs are dual-rated, suitable for copper or aluminum wire (ALCU)  
 Lugs made of high-strength 6061-T6 aluminum alloy, electro-tin plated  
 Stainless steel mounting hardware packaged in plastic bags  
 Lugs are UL listed

**Dual-Rated**  
 CU9AL  
 600V



## TLK SERIES

| NAED NUMBER | CATALOG NUMBER | TRANSFORMER KVA SIZE      | ALUM (ALCU) LUGS      |               | ST STEEL HARDWARE (QTY) DESCRIPTION   | EST. SHIPPING |      |
|-------------|----------------|---------------------------|-----------------------|---------------|---|---------------|------|
|             |                |                           | (QTY) LUG # WIRES/LUG | WIRE RANGE    |   | WEIGHT (lbs)  | UNIT |
| 50280       | TLK-15         | 15-37 1/2 1Ø<br>15-45 3Ø  | (8) #A-212            | #2-14 AWG     | (8) 1/4-20X3/4 BOLT<br>(8) 1/4 NUT<br>(16) 1/4 FLAT WASHER  | 0.75          | KIT  |
|             |                |                           | (4) #A-250            | 250MCM-#6AWG  |   |               |      |
| 50282       | TLK-75         | 50-75 1Ø<br>75-112 1/2 3Ø | (12) #A-250           | 250MCM-#6AWG  | (8) 1/4-20X3/4 BOLT<br>(8) 1/4-20X2 BOLT<br>(12) 1/4 NUT<br>(24) 1/4 FLAT WASHER                                    | 1.9           | KIT  |
| 50284       | TLK-150        | 100-167 1Ø<br>150-300 3Ø  | (6) #AA-350           | 350MCM-#6 AWG | (8) 1/2-13X2 BOLT<br>(8) 1/2-13X2 1/2 BOLT<br>(13) 1/2 NUT<br>(26) 1/2 FLAT WASHER<br>(13) 1/2 BELLEVILLE WASHER    | 9.9           | KIT  |
|             |                |                           | (7) #AA-800           | 800-300MCM    |   |               |      |
| 50286       | TLK-500        | 400-500 3Ø                | (15) #AA-800          | 800-300MCM    | (7) 1/2-13X2 BOLT<br>(4) 1/2-13X2 1/2 BOLT<br>(11) 1/2-13 NUT<br>(22) 1/2 FLAT WASHER<br>(11) 1/2 BELLEVILLE WASHER | 16.0          | KIT  |

BLZNG or BLOX oxide-inhibitor is recommended for all aluminum terminations.  
 For lug dimensions, see appropriate catalog page.  
 Other kits available upon request.



# GREAVES

## ALUMINUM TWO-WAY CONNECTORS

Range-taking mechanical set-screw in-line splice/reducer

High strength aluminum alloy 6061-T6

Tin-plated for low contact resistance

Positive center stop



**Dual-Rated**

CU7AL

90°C 600V

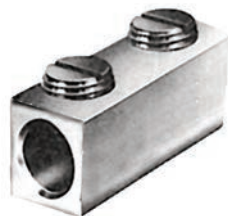


Figure 1

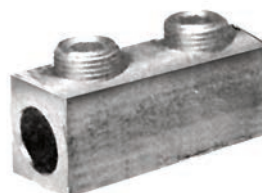


Figure 2



Figure 3

## ABS SERIES

## Splices

| NAED NUMBER | CATALOG NUMBER | WIRE RANGE |      | SCREWS |          | OVERALL LENGTH                | FIG. | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|------------|------|--------|----------|-------------------------------|------|---------|---------------|------|
|             |                | MAX.       | MIN. | NO.    | TYPE     |                               |      |         | WEIGHT (lbs)  | UNIT |
| 12501       | <b>ABS 2</b>   | #2         | #14  | 2      | SLOT     | 1 <sup>3</sup> / <sub>8</sub> | 1    | 25      | 0.98          | CTN  |
| 12502       | <b>ABS 10</b>  | 1/0        | #14  | 2      | SLOT     | 2                             | 1    | 25      | 1.38          | CTN  |
| 12503       | <b>ABS 40</b>  | 4/0        | #6   | 2      | 5/16 HEX | 2                             | 2    | 25      | 3.34          | CTN  |
| 12504       | <b>ABS 250</b> | 250        | #6   | 4      | 5/16 HEX | 4                             | 3    | 12      | 2.92          | CTN  |
| 12506       | <b>ABS 350</b> | 350        | #6   | 4      | 3/8 HEX  | 4 <sup>1</sup> / <sub>4</sub> | 3    | 12      | 4.60          | CTN  |
| 12507       | <b>ABS 500</b> | 500        | 3/0  | 4      | 3/8 HEX  | 5                             | 3    | 6       | 4.44          | CTN  |
| 12508       | <b>ABS 750</b> | 750        | 250  | 4      | 3/8 HEX  | 6 <sup>1</sup> / <sub>4</sub> | 3    | 3       | 2.74          | CTN  |



## SERVICE ENTRANCE

### PARALLEL ALUMINUM CLAMPS

Splice or tap for service entrance connection  
 Cast aluminum body with galvanized or stainless steel hardware

#### PAC SERIES

| NAED NUMBER | CATALOG NUMBER | CONDUCTOR RANGE |         | FIG. | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|-----------------|---------|------|---------|---------------|------|
|             |                | MAIN            | TAP     |      |         | WEIGHT (lbs)  | UNIT |
| 15101       | PAC 4010       | 4/0 - 1/0       | 1/0 - 8 | 1    | 25      | 6.51          | CTN  |
| 15102       | PAC 4040       | 4/0 - 2         | 4/0 - 2 | 2    | 20      | 9.06          | CTN  |

Pre-filled with oxide-inhibitor and individually bagged.

|       |            |           |         |   |    |      |     |
|-------|------------|-----------|---------|---|----|------|-----|
| 15111 | PAC 4010-X | 4/0 - 1/0 | 1/0 - 8 | 1 | 20 | 7.26 | CTN |
| 15112 | PAC 4040-X | 4/0 - 2   | 4/0 - 2 | 2 | 10 | 5.76 | CTN |

Bronze clamps available, consult factory.

#### Dual-Rated

Bug•Lug™ oxide-inhibitor is recommended for all aluminum terminations



Figure 1



Figure 2

### PARALLEL ALUMINUM CLAMPS

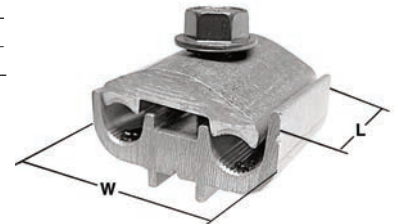
Splice or tap for service entrance connection  
 Extruded aluminum body  
 High-stress anodized aluminum bolt with integral washer  
 Pre-filled with oxide-inhibitor and individually bagged

#### PAC-X SERIES

| NAED NUMBER | CATALOG NUMBER | CONDUCTOR RANGE           |                           | BOLT SIZE | DIMENSIONS |      | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|---------------------------|---------------------------|-----------|------------|------|---------|---------------|------|
|             |                | GROOVE A                  | GROOVE B                  |           | L          | W    |         | WEIGHT (lbs)  | UNIT |
| 15211       | PAC20-X        | 2/0STR-6SOL<br>2/0-#6ACSR | 2/0STR-6SOL<br>2/0-#6ACSR | 3/8       | 1.37       | 1.61 | 20      | 2.6           | CTN  |
| 15212       | PAC40-X        | 4/0STR-2SOL<br>4/0-#4ACSR | 4/0STR-2SOL<br>4/0-#4ACSR | 3/8       | 1.50       | 1.97 | 10      | 2.2           | CTN  |

#### Dual-Rated

RUS Approved



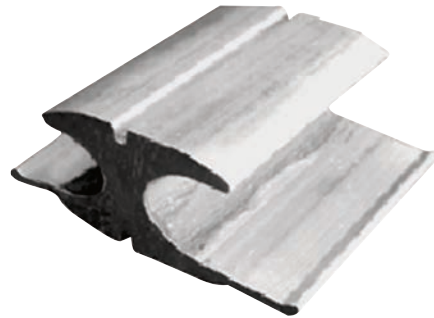




## SERVICE ENTRANCE

### H-TYPE ALUMINUM COMPRESSION TAPS

Aluminum compression tap or splice connector for service drop, secondary or primary tap  
 Seven Connector Program accommodates a wide range of wire sizes  
 Accepts combinations of alum-alum or alum-copper conductors  
 Manufactured of high-conductivity aluminum extrusion  
 Pre-coated with oxide-inhibitor on contact surfaces  
 Marked with wire size, die code, and crimp locations  
 Install with standard hydraulic compression tool and die indicated  
 Fold-in tabs provide positive interlock as die closes



### SEH SERIES

| NAED NUMBER | CATALOG NUMBER | CODE | WIRE TYPE | STANDARD COND |         | COMPACT |         | DIE INDEX | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|------|-----------|---------------|---------|---------|---------|-----------|---------|---------------|------|
|             |                |      |           | SIDE A        | SIDE B  | SIDE A  | SIDE B  |           |         | WEIGHT (lbs)  | UNIT |
| 15312       | SEH1-22        | 1    | ACSR      | 1-6           | 1-6     | 2-6     | 2-6     | O         | 20      | 1.6           | CTN  |
|             |                |      | STR       | 2-6           | 2-6     | 2-6     | 2-6     |           |         |               |      |
|             |                |      | SOL       | 2-6           | 2-6     | --      | --      |           |         |               |      |
| 15322       | SEH2-201       | 2    | ACSR      | 1/0-3         | 2-6     | 1/0-2   | 1-6     | O         | 20      | 1.6           | CTN  |
|             |                |      | STR       | 2/0-3         | 1-6     | 2/0-2   | 1-6     |           |         |               |      |
|             |                |      | SOL       | 2/0-1         | 1/0-6   | --      | --      |           |         |               |      |
| 15333       | SEH3-301       | 3    | ACSR      | 2/0-1/0       | 2-6     | 3/0-2/0 | 1-6     | D         | 10      | 3.2           | CTN  |
|             |                |      | STR       | 3/0-2/0       | 1-6     | 3/0     | 1-6     |           |         |               |      |
|             |                |      | SOL       | 4/0-3/0       | 1/0-6   | --      | --      |           |         |               |      |
| 15343       | SEH4-3020      | 4    | ACSR      | 2/0-1         | 2/0-1   | 3/0-1/0 | 2/0-1/0 | D         | 10      | 3.5           | CTN  |
|             |                |      | STR       | 3/0-1         | 2/0-1   | 3/0-1/0 | 3/0-1/0 |           |         |               |      |
|             |                |      | SOL       | 4/0-2/0       | 3/0-2/0 | --      | --      |           |         |               |      |
| 15354       | SEH5-401       | 5    | ACSR      | 4/0-3/0       | 2-6     | 4/0     | 1-6     | D         | 10      | 1.0           | CTN  |
|             |                |      | STR       | 4/0           | 1-6     | 250-4/0 | 1-6     |           |         |               |      |
|             |                |      | SOL       | 300-250       | 1/0-6   | --      | --      |           |         |               |      |
| 15364       | SEH6-4020      | 6    | ACSR      | 4/0-3/0       | 2/0-1   | 4/0-3/0 | 2/0-1/0 | D         | 10      | 1.3           | CTN  |
|             |                |      | STR       | 4/0-3/0       | 2/0-1   | 250-4/0 | 3/0-1/0 |           |         |               |      |
|             |                |      | SOL       | --            | 3/0-2/0 | --      | --      |           |         |               |      |
| 15374       | SEH7-4040      | 7    | ACSR      | 4/0-3/0       | 4/0-3/0 | 4/0-3/0 | 4/0-3/0 | D         | 10      | 1.6           | CTN  |
|             |                |      | STR       | 4/0-3/0       | 4/0-3/0 | 250-4/0 | 250-4/0 |           |         |               |      |
|             |                |      | SOL       | --            | --      | --      | --      |           |         |               |      |

Sizes shown are the most typical. Other sizes available, consult factory.



## SERVICE ENTRANCE

### COMPRESSION SPLICES ALUMINUM SLEEVES – NYLON INSULATED

Aluminum compression splices for overhead distribution service drop  
 Accepts combinations of alum-alum or alum-copper conductors  
 Tough nylon insulation is anchored to jacket to resist installing tool pressure  
 Manufactured of high-conductivity aluminum extrusion  
 Pre-filled with oxide-inhibitor  
 End caps keep barrels clean and are easily pierced with conductor  
 Marked with wire size, wire color code, die code, and crimp locations  
 Install with standard hydraulic compression tool with  
 appropriate 5/8 or 840 die  
 Meets ANSI C119.4 Class A-3 requirements

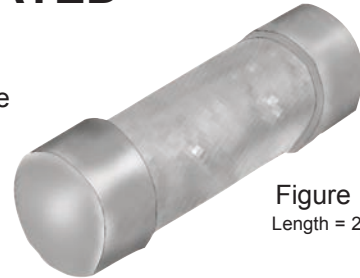


Figure 1  
Length = 2 1/2"



Figure 2  
Length = 5 1/2"

### SEN SERIES

| NAED NUMBER | CATALOG NUMBER | END A  |           |        | END B  |           |        | DIE               | FIG. | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|--------|-----------|--------|--------|-----------|--------|-------------------|------|---------|---------------|------|
|             |                | ACSR   | AL & CU   | COLOR  | ACSR   | AL & CU   | COLOR  |                   |      |         | WEIGHT (lbs)  | UNIT |
| 15466       | SEN66          | 6      | 6STR-4SOL | BLUE   | 6      | 6STR-4SOL | BLUE   | 5/8<br>BG<br>U-BG | 1    | 50      | 4.5           | CTN  |
| 15446       | SEN46          | 4      | 4STR-2SOL | ORANGE | 6      | 6STR-4SOL | BLUE   |                   |      | 50      | 4.0           | CTN  |
| 15444       | SEN44          |        | 4STR-2SOL |        | ORANGE | 50        | 3.5    |                   |      | CTN     |               |      |
| 15416       | SEN16          | 2      | 2-1STR    | RED    | 6      | 6STR-4SOL | BLUE   |                   |      | 50      | 3.0           | CTN  |
| 15414       | SEN14          |        | 2-1STR    |        | ORANGE | 50        | 2.4    |                   |      | CTN     |               |      |
| 15411       | SEN11          |        | 2-1STR    |        | RED    | 50        | 2.3    |                   |      | CTN     |               |      |
| 15410       | SEN101         | 1/0, 1 | 1/0STR    | YELLOW | 2      | 2-1STR    | RED    | 25                | 7.0  | CTN     |               |      |
| 15409       | SEN1010        |        | 1/0STR    |        | YELLOW | 25        | 7.0    | CTN               |      |         |               |      |
| 15430       | SEN304         | --     | 3/0STR    | BLACK  | 4      | 4STR-2SOL | ORANGE | 840               | 2    | 25      | 6.0           | CTN  |
| 15420       | SEN204         | --     | 2/0STR    | GRAY   | 4      | 4STR-2SOL | ORANGE |                   |      | 25      | 5.8           | CTN  |
| 15422       | SEN2020        | --     | 2/0STR    |        |        | 2/0STR    | GRAY   |                   |      | 25      | 5.5           | CTN  |
| 15440       | SEN404         | --     | 4/0STR    | PINK   | 4      | 4STR-2SOL | ORANGE |                   |      | 10      | 2.4           | CTN  |
| 15441       | SEN401         |        | 4/0STR    |        | 2      | 1-2STR    | RED    |                   |      | 10      | 2.1           | CTN  |
| 15442       | SEN4020        |        | 4/0STR    |        | --     | 2/0STR    | GRAY   |                   |      | 10      | 2.2           | CTN  |
| 15445       | SEN4040        |        | 4/0STR    |        | --     | 4/0STR    | PINK   | 10                | 1.8  | CTN     |               |      |
|             |                |        |           |        |        |           |        |                   |      |         |               |      |

Sizes shown are the most typical. Other sizes available upon request.

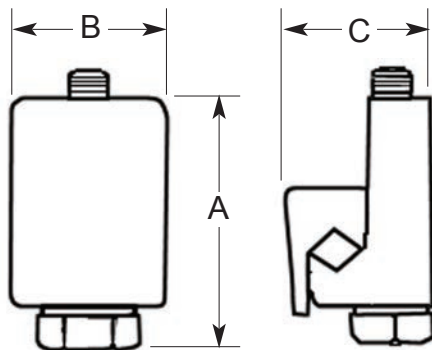
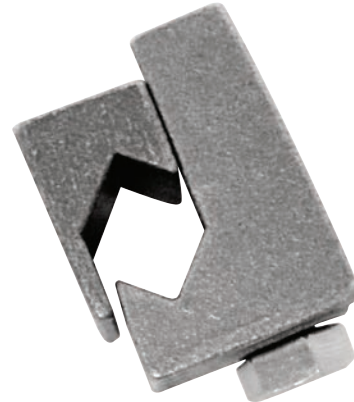


## SERVICE ENTRANCE

Copper wire only  
600V

### WISE GRIP CONNECTOR

Use as splice or tap  
For grounding to flat bar with one or two conductors  
Lay-in (side-entry) for easy installation  
V-groove aligns conductors  
Heavy construction for excellent heat dissipation  
Interlock design for resistance to vibration  
High-strength silicon bronze body with stainless-steel hex head bolt



### GVC SERIES

| NAED NUMBER | CATALOG NUMBER | CONDUCTOR RANGE |            | DIMENSIONS APPROX (IN) |       |       | BOLT      |             | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|-----------------|------------|------------------------|-------|-------|-----------|-------------|---------|---------------|------|
|             |                | MAX 2 WIRE      | MIN 1 WIRE | A                      | B     | C     | SIZE (IN) | HEAD        |         | WEIGHT (lbs)  | UNIT |
| 15506       | <b>GVC6</b>    | 6SOL-8STR       | 6SOL-8STR  | 7/8                    | 5/8   | 3/4   | 1/4       | 3/8 SLOTTED | 30      | 2.0           | CTN  |
| 15504       | <b>GVC4</b>    | 4STR            | 4SOL       | 1 1/8                  | 3/4   | 13/16 | 15/16     | 9/16        | 25      | 3.1           | CTN  |
| 15503       | <b>GVC3</b>    | 3STR - 2SOL     | 2SOL       | 1 3/8                  | 13/16 | 15/16 | 15/16     | 9/16        | 20      | 4.3           | CTN  |
| 15502       | <b>GVC2</b>    | 2STR            | 2SOL       | 1 3/8                  | 13/16 | 15/16 | 15/16     | 9/16        | 15      | 3.2           | CTN  |
| 15510       | <b>GVC10</b>   | 1/0STR          | 2STR       | 1 5/8                  | 13/16 | 1     | 15/16     | 9/16        | 10      | 2.1           | CTN  |
| 15520       | <b>GVC20</b>   | 2/0STR-3/0SOL   | 2/0STR     | 2                      | 7/8   | 1 1/4 | 3/8       | 9/16        | 10      | 3.6           | CTN  |
| 15540       | <b>GVC40</b>   | 4/0STR          | 4/0SOL     | 2 1/8                  | 1     | 1 3/8 | 3/8       | 9/16        | 6       | 2.7           | CTN  |
| 15535       | <b>GVC350</b>  | 350 KCMIL       | 350 KCMIL  | 3                      | 1 1/4 | 1 3/4 | 1/2       | 3/4         | 5       | 2.8           | CTN  |

Available with shear-head bolt to assure proper torque and tamper-proof installation; add "-TA" to Cat. No. and contact factory for availability.  
Available tin-plated; add "-P" to Catalog No. and contact factory for availability.



## POWER DISTRIBUTION

### BUG•BITES™

#### Insulation Piercing Connectors

Eliminates need for conductor insulation stripping

No taping required after installation

For copper to copper, copper to aluminum, or aluminum to aluminum applications

For use on insulated conductor only

### IPC SERIES

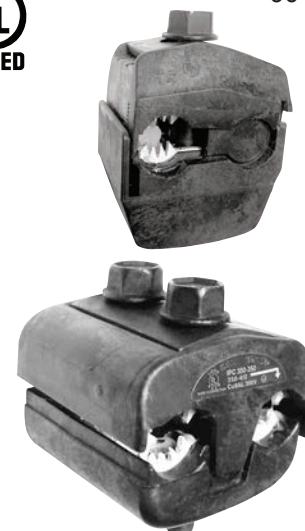
| NAED NUMBER | CATALOG NUMBER | WIRE RANGE |           | VOLTS | BOLTS | TORQUE FT-LBS | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|------------|-----------|-------|-------|---------------|---------|---------------|------|
|             |                | MAIN       | TAP       |       |       |               |         | WEIGHT (lbs)  | UNIT |
| 13110       | IPC 1002       | 1/0 - 8    | 2 - 8     | 300   | 1     | 16            | 12      | 2.63          | CTN  |
| 13107       | *IPC 4006      | 4/0 - 4    | 6 - 14    | 600   | 1     | 13            | 12      | 1.90          | CTN  |
| 13108       | *IPC 4020      | 4/0 - 2    | 2/0 - 6   | 600   | 1     | 25            | 12      | 4.08          | CTN  |
| 13109       | *IPC 2540      | 250 - 1    | 4/0 - 6   | 600   | 1     | 30            | 6       | 4.17          | CTN  |
| 13113       | IPC 3540       | 350 - 4/0  | 4/0 - 10  | 300   | 1     | 25            | 6       | 4.17          | CTN  |
| 13114       | IPC 3535       | 350 - 4/0  | 350 - 4/0 | 300   | 2     | 25            | 6       | 7.63          | CTN  |
| 13116       | †IPC 5012      | 500 - 250  | 10 - 12   | 300   | 1     | 25            | 4       | 2.85          | CTN  |
| 13104       | *IPC 5025      | 500 - 250  | 250 - 4   | 600   | 1     | 55            | 4       | 4.06          | CTN  |
| 13105       | *IPC 5050      | 500 - 300  | 500 - 250 | 600   | 1     | 75            | 1       | 2.64          | EA   |
| 13106       | *IPC 7550      | 750 - 500  | 500 - 350 | 600   | 1     | 75            | 1       | 2.62          | EA   |

\*600 Volts, balance 300 Volts (for 480V grounded Y systems)

† Not CSA certified



CU9AL  
90°C



**CAUTION**  
Use Bug•Bites on insulated cable only!  
Do not install on bare cable.

### GUTTER TAP CONNECTORS

High strength aluminum alloy 6061-T6, tin-plated

Lay-in designed main conductor remains continuous

Tap parallel or perpendicular to main

### GP SERIES

| NAED NUMBER | CATALOG NUMBER | CONDUCTOR RANGE |              | APPROX. DIMENSIONS (IN)        |                                |                                 | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|-----------------|--------------|--------------------------------|--------------------------------|---------------------------------|---------|---------------|------|
|             |                | MAIN            | TAP          | H                              | W                              | L                               |         | WEIGHT (lbs)  | UNIT |
| 13117       | GP 2*          | 2 - 12          | 4 - 12 SOL   | 7/8                            | 5/8                            | 1 <sup>25</sup> / <sub>64</sub> | 24      | 1.43          | CTN  |
| 13118       | GP 10          | 1/0 - 2         | 1/0 - 12 SOL | 1                              | 3/4                            | 1 <sup>3</sup> / <sub>4</sub>   | 12      | 1.19          | CTN  |
| 13119       | GP 250         | 250 - 1/0       | 250 - 6      | 1 <sup>5</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>16</sub> | 2 <sup>9</sup> / <sub>32</sub>  | 12      | 2.54          | CTN  |
| 13121       | GP 350         | 350 - 4/0       | 350 - 6      | 1 <sup>7</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>4</sub>  | 2 <sup>9</sup> / <sub>16</sub>  | 6       | 2.75          | CTN  |
| 13122       | GP 500         | 500 - 350       | 500 - 2      | 1 <sup>3</sup> / <sub>4</sub>  | 1 <sup>3</sup> / <sub>8</sub>  | 3 <sup>1</sup> / <sub>8</sub>   | 6       | 3.10          | CTN  |

\*GP2 has slotted screws.

Oxide-inhibitor is recommended for added corrosion protection.

Snap-on insulating covers for use with GP connectors

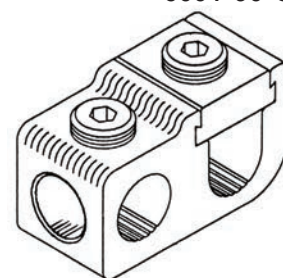
### GPC SERIES

| NAED NUMBER | CATALOG NUMBER | FOR USE WITH CONNECTOR | COLOR  | APPROX. DIMENSIONS (IN)        |                                 |                                | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|------------------------|--------|--------------------------------|---------------------------------|--------------------------------|---------|---------------|------|
|             |                |                        |        | H                              | W                               | L                              |         | WEIGHT (lbs)  | UNIT |
| 13137       | GPC 2          | GP2                    | YELLOW | 1 <sup>7</sup> / <sub>64</sub> | 1 <sup>29</sup> / <sub>32</sub> | 1 <sup>7</sup> / <sub>32</sub> | 12      | 0.46          | CTN  |
| 13138       | GPC 10         | GP1/0                  | GRAY   | 1 <sup>1</sup> / <sub>4</sub>  | 2 <sup>5</sup> / <sub>32</sub>  | 2 <sup>5</sup> / <sub>8</sub>  | 6       | 0.36          | CTN  |
| 13140       | GPC 250        | GP250                  | RED    | 1 <sup>5</sup> / <sub>8</sub>  | 2 <sup>7</sup> / <sub>8</sub>   | 3 <sup>7</sup> / <sub>16</sub> | 6       | 0.40          | CTN  |
| 13141       | GPC 350        | GP350                  | YELLOW | 1 <sup>3</sup> / <sub>4</sub>  | 3 <sup>7</sup> / <sub>16</sub>  | 3 <sup>3</sup> / <sub>4</sub>  | 3       | 0.42          | CTN  |
| 13142       | GPC 500        | GP500                  | BLUE   | 2 <sup>3</sup> / <sub>32</sub> | 3 <sup>7</sup> / <sub>16</sub>  | 4 <sup>3</sup> / <sub>8</sub>  | 3       | 0.46          | CTN  |



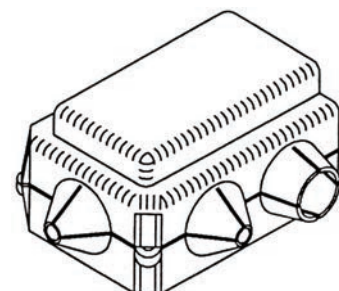
### Dual-Rated

CU9AL  
600V 90°C



For copper-to-copper,  
copper-to-aluminum,  
aluminum-to-aluminum

600V 90°C  
For indoor use only







# GREAVES

## POWER DISTRIBUTION

### Side-Stacker™ ONE-POLE MODULES

#### Modular System of Splicers, Reducers, and Splitters

Versatile one-pole modules stand alone or stack into multi-pole sets  
 Compact modules fit where others are too large - no wide flanges  
 Tough, high-impact, high-dielectric fiberglass insulation cases  
 For use in trough, wireway, panels, control systems



**Dual-Rated**

CU9AL  
 600VAC  
 90°C



### SPD SERIES

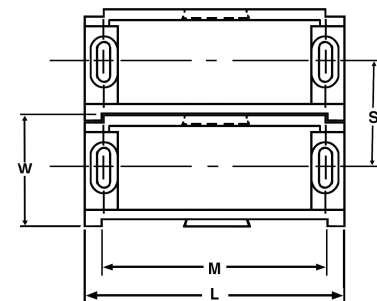
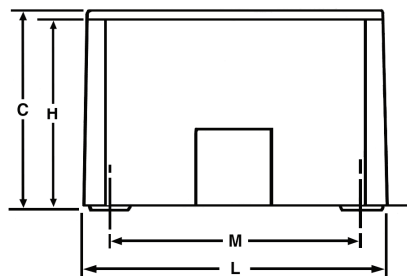
**One Primary**

| NAED NUMBER | CATALOG NUMBER | CASE SIZE | LINE SIDE |            | LOAD SIDE |            | AMPS PER POLE | CTN QTY | EST. SHIPPING |         |
|-------------|----------------|-----------|-----------|------------|-----------|------------|---------------|---------|---------------|---------|
|             |                |           | PORTS     | WIRE RANGE | PORTS     | WIRE RANGE |               |         | WEIGHT (lbs)  | UNIT    |
| 82201       | SPD-I1-I1      | S         |           | #2-14*     |           | #2-14*     | 115           | 6 or 24 | 1.26          | CTN (6) |
| 82301       | SPD-K1-K1      | S         |           | #2/0-14*   |           | #2/0-14*   | 175           | 6 or 24 | 1.32          | CTN (6) |
| 82401       | SPD-N1-N1      | M         |           | 250-6      |           | 250-6      | 225           | 3 or 6  | 1.65          | CTN (3) |
| 82551       | SPD-P1-P1      | M         |           | 350-6      |           | 350-6      | 310           | 3 or 6  | 2.04          | CTN (3) |
| 82601       | SPD-R1-R1      | M         |           | 500-4      |           | 500-4      | 380           | 3 or 6  | 2.25          | CTN (3) |
| 82304       | SPD-K1-H4      | S         |           | #2/0-14*   |           | #4-14*     | 175           | 6 or 24 | 5.41          | CTN (6) |
| 82306       | SPD-K1-H6      | S         |           | #2/0-14*   |           | #4-14*     | 175           | 6 or 24 | 5.49          | CTN (6) |
| 82506       | SPD-P1-H6      | M         |           | 350-6      |           | #4-14*     | 310           | 3 or 6  | 2.01          | CTN (3) |
| 82412       | SPD-P1-H12     | M         |           | 350-6      |           | #4-14*     | 310           | 3 or 6  | 2.03          | CTN (3) |
| 82602       | SPD-R1-H12     | M         |           | 500-4      |           | #4-14*     | 380           | 3 or 6  | 2.05          | CTN (3) |
| 82605       | SPD-P1-K6      | L         |           | 350-6      |           | #2/0-14*   | 310           | 2       | 2.63          | CTN     |
| 82606       | SPD-R1-K6      | L         |           | 500-4      |           | #2/0-14*   | 380           | 2       | 2.98          | CTN     |
| 82806       | SPD-V1-K6      | L         |           | 1000-250   |           | #2/0-14*   | 545           | 2       | 2.86          | CTN     |
| 82604       | SPD-R1-M4      | L         |           | 500-4      |           | #4/0-6     | 380           | 2       | 3.01          | CTN     |

UL recognized.

\*Copper wire only for #14AWG

| CASE SIZE | CASE DIMENSIONS |      |      |      | MOUNTING PATTERN |      |      |
|-----------|-----------------|------|------|------|------------------|------|------|
|           | L               | W    | H    | C    | M                | S    | BOLT |
| S         | 2.9             | 1.04 | 2.72 | 2.46 | 2.25             | .93  | 3/16 |
| M         | 4.0             | 1.71 | 2.62 | 2.73 | 3.31             | 1.59 | 3/16 |
| L         | 5.5             | 2.90 | 3.25 | 3.36 | 4.72             | 2.77 | 1/4  |





## POWER DISTRIBUTION

### Side-Stacker™ ONE-POLE MODULES

#### Modular System of Splicers, Reducers, and Splitters

Versatile one-pole modules stand alone or stack into multi-pole sets

Compact modules fit where others are too large - no wide flanges

Tough, high-impact, high-dielectric fiberglass insulation cases

For use in trough, wireway, panels, control systems



#### Dual-Rated

CU9AL  
600VAC  
90°C

### SPD SERIES

#### Two Primary

| NAED NUMBER | CATALOG NUMBER | CASE SIZE | LINE SIDE |            | LOAD SIDE |            | AMPS PER POLE | CTN QTY | EST. SHIPPING |         |
|-------------|----------------|-----------|-----------|------------|-----------|------------|---------------|---------|---------------|---------|
|             |                |           | PORTS     | WIRE RANGE | PORTS     | WIRE RANGE |               |         | WEIGHT (lbs)  | UNIT    |
| 82322       | SPD-K2-K2      | S         |           | 2/0-#14*   |           | 2/0-#14*   | 350           | 6 or 24 | 6.27          | CTN (6) |
| 82522       | SPD-P2-P2      | L         |           | 350-#6     |           | 350-#6     | 620           | 2       | 2.75          | CTN     |
| 82622       | SPD-R2-R2      | L         |           | 500-#4     |           | 500-#4     | 760           | 2       | 2.96          | CTN     |
| 82526       | SPD-K2-H6      | S         |           | 2/0-#14*   |           | #4-14*     | 350           | 6 or 24 | 5.91          | CTN (6) |
| 82316       | SPD-K2-I6      | M         |           | 2/0-#14*   |           | #2-14*     | 350           | 3 or 6  | 2.32          | CTN (3) |
| 82312       | SPD-K2-H12     | M         |           | 2/0-#14*   |           | #4-14*     | 350           | 3 or 6  | 2.07          | CTN (3) |
| 82512       | SPD-P2-H12     | L         |           | 350-#6     |           | #4-14*     | 620           | 2       | 2.56          | CTN     |
| 82612       | SPD-R2-H12     | L         |           | 500-#4     |           | #4-14*     | 760           | 2       | 2.66          | CTN     |
| 82516       | SPD-P2-K6      | L         |           | 350-#6     |           | #2/0-14*   | 620           | 2       | 2.79          | CTN     |
| 82626       | SPD-R2-K6      | L         |           | 500-#4     |           | #2/0-14*   | 760           | 2       | 3.27          | CTN     |
| 82614       | SPD-R2-M4      | L         |           | 500-#4     |           | #4/0-6     | 760           | 2       | 3.24          | CTN     |

UL recognized.

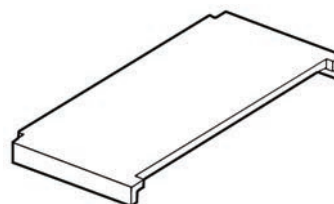
\*Copper wire only for #14AWG

### COVERS

Provides touch-safe guard on SPD units

Snap-on covers mean quick installation and removal

Clear, high-temperature polycarbonate polymer



### SPD-C SERIES

|       |        |   |   |      |     |
|-------|--------|---|---|------|-----|
| 82991 | SPD-CS | S | 6 | 0.10 | CTN |
| 82992 | SPD-CM | M | 6 | 0.29 | CTN |
| 82993 | SPD-CL | L | 4 | 0.44 | CTN |



# GREAVES

## NEUTRAL BARS

### MULTI-CIRCUIT NEUTRAL BARS

For use as neutral bar or grounding bar  
 Easy to install, reuseable  
 Feedwire can be located in any wire-position  
 Standard screws are plated steel, slotted, headless  
 Mounting holes provided in specified positions



**Dual-Rated**  
600V

### ALUMINUM NEUTRAL BARS

Solid-bar high-strength 6061-T6 aluminum alloy  
 Plated for low surface resistance

#### ANB SERIES

| NAED NUMBER | CATALOG NUMBER | WIRE RANGE | WIRE CIRCUITS | DIMENSIONS |     |     | MOUNTING HOLES |          | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|------------|---------------|------------|-----|-----|----------------|----------|---------|---------------|------|
|             |                |            |               | L          | W   | H   | NO.            | POSITION |         | WEIGHT (lbs)  | UNIT |
| 26102       | ANB4-4-1       | #4-14AWG   | 4             | 1.57       |     |     | 1              | 3        | 100     | 2.16          | CTN  |
| 26103       | ANB4-4-3       | #4-14AWG   | 4             | 1.88       | .31 | .44 | 2              | 1 & 4    | 100     | 3.16          | CTN  |
| 26105       | ANB4-5-2       | #4-14AWG   | 5             | 2.25       | .31 | .44 | 2              | OUTBOARD | 100     | 3.16          | CTN  |
| 26107       | ANB4-6-1       | #4-14AWG   | 6             | 2.25       |     |     | 1              | 4        | 100     | 3.16          | CTN  |
| 26108       | ANB4-6-3       | #4-14AWG   | 6             | 2.56       | .31 | .44 | 2              | 4 & 7    | 100     | 4.16          | CTN  |
| 26109       | ANB4-7-3       | #4-14AWG   | 7             | 2.87       |     |     | 2              | 3 & 7    | 100     | 4.16          | CTN  |
| 26110       | ANB4-9-2       | #4-14AWG   | 9             | 3.50       |     |     | 2              | OUTBOARD | 50      | 2.66          | CTN  |
| 26111       | ANB4-10-2      | #4-14AWG   | 10            | 3.81       |     |     | 2              | OUTBOARD | 50      | 3.16          | CTN  |
| 26112       | ANB4-12-2      | #4-14AWG   | 12            | 4.43       | .31 | .44 | 2              | OUTBOARD | 50      | 3.66          | CTN  |
| 26115       | ANB4-15-2      | #4-14AWG   | 15            | 5.37       |     |     | 2              | OUTBOARD | 50      | 4.66          | CTN  |
| 26116       | ANB4-20-2      | #4-14AWG   | 20            | 6.93       |     |     | 2              | OUTBOARD | 50      | 6.16          | CTN  |
| 26100       | ANB4-190*      | #4-14AWG   | 190           | 60         | .31 | .44 | -              | -        | 10      | 12.50         | CTN  |
| 26121       | ANB2-10-3      | #2-14AWG   | 10            | 4.12       | .37 | .50 | 2              | 3 & 11   | 50      | 6.16          | CTN  |
| 26132       | ANB20-3-3      | 2/0-14AWG  | 3             | 2.95       |     |     | 2              | 2 & 4    | 25      | 3.16          | CTN  |
| 26133       | ANB20-6-2      | 2/0-14AWG  | 6             | 5.00       | .56 | .75 | 2              | OUTBOARD | 25      | 3.66          | CTN  |

Other sizes available. Contact factory.

Hole Spacing: ANB4 = .312, ANB2 = .34, ANB20 = .625

Mounting Bolt Size: ANB4 = #10, ANB2 = 3/16, ANB20 = 3/16

### COPPER NEUTRAL BARS

Solid-bar high-conductivity pure electrolytic copper  
 Plain copper finish

#### CNB SERIES

| NAED NUMBER | CATALOG NUMBER | WIRE RANGE | WIRE CIRCUITS | DIMENSIONS |     |     | MOUNTING HOLES |          | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|------------|---------------|------------|-----|-----|----------------|----------|---------|---------------|------|
|             |                |            |               | L          | W   | H   | NO.            | POSITION |         | WEIGHT (lbs)  | UNIT |
| 26204       | CNB4-4-2       | #4-14AWG   | 4             | 1.88       |     |     | 2              | OUTBOARD | 100     | 6.16          | CTN  |
| 26205       | CNB4-5-2       | #4-14AWG   | 5             | 2.25       | .31 | .44 | 2              | OUTBOARD | 100     | 7.16          | CTN  |
| 26206       | CNB4-6-2       | #4-14AWG   | 6             | 2.56       |     |     | 2              | OUTBOARD | 50      | 4.16          | CTN  |
| 26212       | CNB4-12-2      | #4-14AWG   | 12            | 4.43       |     |     | 2              | OUTBOARD | 50      | 7.16          | CTN  |
| 26213       | CNB4-13-3      | #4-14AWG   | 13            | 4.74       | .31 | .44 | 2              | 3 & 13   | 50      | 8.16          | CTN  |
| 26200       | CNB4-190*      | #4-14AWG   | 190           | 60         | .31 | .44 | -              | -        | 10      | 20.00         | CTN  |
| 26223       | CNB2-6-2       | #2-14AWG   | 6             | 3.25       | .37 | .62 | 2              | 2 & 7    | 25      | 12.7          | CTN  |

Other sizes available. Contact factory.

Hole Spacing: CNB4 = .312, CNB2 = .397. Mounting Bolt Size: CNB4 = #10, CNB2 = 3/16

\* Supplied with screws unassembled



For copper cable  
600V



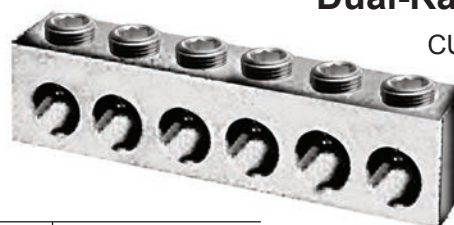
Dual-Rated

CU9AL

## NON-INSULATED BLOCKS

Aluminum alloy 6061-T6  
Prefilled with oxide inhibitor

### PD SERIES



Wire entry  
optional from  
either side

| NAED NUMBER | CATALOG NUMBER | WIRE RANGE  | WIRE CIRCUITS | DIMENSIONS |       |        | ALLEN HEX | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|-------------|---------------|------------|-------|--------|-----------|---------|---------------|------|
|             |                |             |               | LENGTH     | WIDTH | HEIGHT |           |         | WEIGHT (lbs)  | UNIT |
| 13500       | PD 250-4       |             | 4             | 3.50       |       |        |           | 6       | 2.15          | CTN  |
| 13505       | PD 250-6       | 250 MCM-#6  | 6             | 6.25       | .87   | 1.13   | 5/16      | 6       | 3.15          | CTN  |
| 13510       | PD 250-8       |             | 8             | 7.00       |       |        |           | 6       | 4.15          | CTN  |
| 13515       | PD 350-4       |             | 4             | 4.25       |       |        |           | 3       | 1.75          | CTN  |
| 13520       | PD 350-6       | 350 MCM-#6  | 6             | 6.38       | 1.00  | 1.44   | 5/16      | 3       | 2.65          | CTN  |
| 13525       | PD 350-8       |             | 8             | 8.50       |       |        |           | 3       | 3.35          | CTN  |
| 13542       | PD 600-4       |             | 4             | 5.40       |       |        |           | 3       | 2.25          | CTN  |
| 13543       | PD 600-6       | 600 MCM-#4  | 6             | 8.25       | 1.25  | 1.62   | 5/16      | 3       | 3.75          | CTN  |
| 13544       | PD 600-8       |             | 8             | 11.00      |       |        |           | 3       | 4.45          | CTN  |
| 13545       | PD 750-4       |             | 4             | 6.00       |       |        |           | 2       | 2.60          | CTN  |
| 13550       | PD 750-6       | 750-250 MCM | 6             | 8.96       | 1.44  | 2.00   | 3/8       | 2       | 3.92          | CTN  |
| 13555       | PD 750-8       |             | 8             | 11.81      |       |        |           | 1       | 2.60          | EA   |

Other sizes available. Also available with insulated mounting positions. Consult factory.

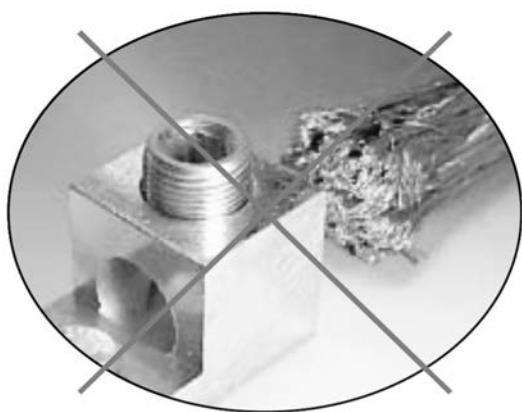
Not recommended for use with fine-stranded, flexible cables.

For flex/extra-flex high-strand wire, first install a PT-FX Shoo-Pin™ Adapter.

## Shoo-pin™ Adapters for flex cable terminations

For reliable termination of high-strand flexible cables into set-screw type lugs, terminate the flex cable with a PT-FX Shoo-Pin Adapter.

- For dual-rated or CU set-screw lugs
- Also for PBS/USA/USAD insulated connectors



GREAVES EXCLUSIVE







## POWER DISTRIBUTION

### INSULATED SPLICES

Insulated with rugged high-dielectric rubber/vinyl coating  
 Saves installation time—no taping  
 Pre-filled with oxide-inhibitor  
 Easy re-entry for changes, inspection, or troubleshooting  
 Plugs marked with connector max wire size for easy identification  
 For flex/extra-flex high-strand wire, first install a PT-FX Shoo-Pin™ Adapter  
 6061-T6 high strength aluminum alloy  
 UL listed through 600MCM size  
 Copper wire only for #14-#6 AWG  
 One wire per port

**Dual-Rated**

90°C  
 CU9AL  
 600V



### PBS SERIES

#### In-Line Splice

| NAED NUMBER | CATALOG NUMBER | WIRE RANGE | ALLEN HEX | DIMENSIONS |       |        | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|------------|-----------|------------|-------|--------|---------|---------------|------|
|             |                |            |           | LENGTH     | WIDTH | HEIGHT |         | WEIGHT (lbs)  | UNIT |
| 13701       | PBS 2          | #2 - 14    | 5/32      | 2.40       | .75   | 1.48   | 12      | 1.11          | CTN  |
| 13703       | PBS 2/0        | 2/0 - #14  | 7/32      | 3.25       | .87   | 1.52   | 6       | 1.13          | CTN  |
| 13704       | PBS 250        | 250 - #6   | 5/16      | 4.00       | 1.13  | 2.25   | 6       | 2.11          | CTN  |
| 13706       | PBS 350        | 350 - #6   | 5/16      | 4.63       | 1.25  | 2.75   | 4       | 2.24          | CTN  |
| 13709       | PBS 600        | 600 - #4   | 5/16      | 5.12       | 1.50  | 3.00   | 3       | 2.66          | CTN  |
| 13715       | PBSH 750*      | 750 - 250  | 5/16      | 7.38       | 1.62  | 3.12   | 1       | 1.12          | EA   |

\* PBSH 750 has 4 screws.



Positive center stop

### USA SERIES

#### One-Side Entry Splice

| NAED NUMBER | CATALOG NUMBER | WIRE RANGE | ALLEN HEX | DIMENSIONS |        | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|------------|-----------|------------|--------|---------|---------------|------|
|             |                |            |           | LENGTH     | HEIGHT |         | WEIGHT (lbs)  | UNIT |
| 13442       | USA 4-2        | #4 - 14    | 1/8       | 1.20       | 1.45   | 12      | 1.50          | CTN  |
| 13452       | USA 2-2        | #2 - 14    | 5/32      | 1.20       | 1.45   | 12      | 0.93          | CTN  |
| 13422       | USA 2/0-2      | 2/0 - #14  | 7/32      | 1.69       | 1.50   | 6       | 0.95          | CTN  |
| 13432       | USA 3/0-2      | 3/0 - #6   | 1/4       | 1.89       | 1.86   | 6       | 1.20          | CTN  |



Both wires enter same side

### USAD SERIES

#### Two-Side Entry Splice

| NAED NUMBER | CATALOG NUMBER | WIRE RANGE | ALLEN HEX | DIMENSIONS |        | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|------------|-----------|------------|--------|---------|---------------|------|
|             |                |            |           | LENGTH     | HEIGHT |         | WEIGHT (lbs)  | UNIT |
| 13842       | USAD 4-2       | #4 - 14    | 1/8       | 1.20       | 1.45   | 12      | 1.01          | CTN  |
| 13852       | USAD 2-2       | #2 - 14    | 5/32      | 1.20       | 1.45   | 12      | 1.01          | CTN  |
| 13822       | USAD 2/0-2     | 2/0 - #14  | 7/32      | 1.55       | 1.50   | 6       | 0.99          | CTN  |
| 13882       | USAD 3/0-2     | 3/0 - #6   | 1/4       | 1.89       | 1.86   | 6       | 1.30          | CTN  |
| 13898       | USAD 250-2     | 250 - #6   | 5/16      | 2.13       | 2.10   | 6       | 1.69          | CTN  |
| 13913       | USAD 350-2     | 350 - #6   | 5/16      | 2.47       | 2.50   | 4       | 1.18          | CTN  |
| 13962       | USAD 600-2     | 600 - #4   | 5/16      | 2.96       | 2.90   | 4       | 3.03          | CTN  |
| 13943       | *USAD 750-2    | 750 - 250  | 5/16      | 3.50       | 3.60   | 2       | 2.25          | CTN  |

\* 750 MCM size not UL listed.



Wire entry optional from either side



## POWER DISTRIBUTION

### INSULATED MULTI-CABLE

Insulated with rugged high-dielectric rubber/vinyl coating

Saves installation time—no taping

Pre-filled with oxide-inhibitor

Easy re-entry for changes, inspection, or troubleshooting

Plugs marked with connector max wire size for easy identification

For flex/extra-flex high-strand wire, first install a PT-FX Shoo-Pin™ Adapter

6061-T6 high strength aluminum alloy

UL listed through 600MCM size

Copper wire only for #14-#6 AWG

One wire per port

Dual-Rated

90°C

CU9AL

600V



### USA SERIES

### One-Side Entry

| NAED NUMBER | CATALOG NUMBER | WIRE PORTS | WIRE RANGE | ALLEN HEX | DIMENSIONS |        | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|------------|------------|-----------|------------|--------|---------|---------------|------|
|             |                |            |            |           | LENGTH     | HEIGHT |         | WEIGHT (lbs)  | UNIT |
| 13443       | USA 4-3        | 3          |            |           | 1.54       |        | 12      | 1.30          | CTN  |
| 13444       | USA 4-4        | 4          |            |           | 1.97       | 1.45   | 6       | 0.89          | CTN  |
| 13446       | USA 4-6        | 6          | #4 - 14    | 1/8       | 3.13       |        | 4       | 0.87          | CTN  |
| 13448       | USA 4-8        | 8          |            |           | 4.13       |        | 4       | 1.11          | CTN  |
| 13453       | USA 2-3        | 3          |            |           | 1.59       |        | 12      | 1.34          | CTN  |
| 13454       | USA 2-4        | 4          |            |           | 1.99       | 1.45   | 6       | 0.90          | CTN  |
| 13456       | USA 2-6        | 6          | #2 - 14    | 5/32      | 2.87       |        | 4       | 0.90          | CTN  |
| 13458       | USA 2-8        | 8          |            |           | 3.69       |        | 4       | 1.13          | CTN  |
| 13423       | USA 2/0-3      | 3          |            |           | 2.34       |        | 6       | 1.21          | CTN  |
| 13424       | USA 2/0-4      | 4          |            |           | 3.01       |        | 6       | 1.53          | CTN  |
| 13425       | USA 2/0-5      | 5          | 2/0 - #14  | 7/32      | 3.69       | 1.50   | 4       | 1.23          | CTN  |
| 13426       | USA 2/0-6      | 6          |            |           | 4.36       |        | 4       | 1.44          | CTN  |
| 13427       | USA 2/0-7      | 7          |            |           | 4.74       |        | 3       | 1.28          | CTN  |
| 13428       | USA 2/0-8      | 8          |            |           | 5.41       |        | 3       | 1.48          | CTN  |
| 13433       | USA 3/0-3      | 3          | 3/0 - #6   | 1/4       | 2.65       | 1.86   | 6       | 1.50          | CTN  |
| 13434       | USA 3/0-4      | 4          |            |           | 3.42       |        | 6       | 2.20          | CTN  |
| 13599       | USA 250-3      | 3          |            |           | 2.99       |        | 4       | 1.51          | CTN  |
| 13600       | USA 250-4      | 4          |            |           | 3.85       |        | 4       | 2.09          | CTN  |
| 13601       | USA 250-5      | 5          | 250 - #6   | 5/16      | 4.71       | 2.10   | 3       | 1.96          | CTN  |
| 13605       | USA 250-6      | 6          |            |           | 5.57       |        | 3       | 2.33          | CTN  |
| 13606       | USA 250-7      | 7          |            |           | 6.43       |        | 2       | 1.91          | CTN  |
| 13610       | USA 250-8      | 8          |            |           | 7.29       |        | 2       | 2.01          | CTN  |
| 13614       | USA 350-3      | 3          |            |           | 3.52       |        | 4       | 2.43          | CTN  |
| 13615       | USA 350-4      | 4          |            |           | 4.57       |        | 3       | 2.54          | CTN  |
| 13616       | USA 350-5      | 5          | 350 - #6   | 5/16      | 5.62       | 2.50   | 3       | 3.12          | CTN  |
| 13620       | USA 350-6      | 6          |            |           | 6.67       |        | 2       | 2.44          | CTN  |
| 13621       | USA 350-7      | 7          |            |           | 7.72       |        | 2       | 2.74          | CTN  |
| 13625       | USA 350-8      | 8          |            |           | 8.77       |        | 2       | 3.30          | CTN  |
| 13663       | USA 600-3      | 3          |            |           | 4.89       |        | 3       | 3.02          | CTN  |
| 13664       | USA 600-4      | 4          |            |           | 5.63       |        | 2       | 2.15          | CTN  |
| 13665       | USA 600-5      | 5          | 600 - #4   | 5/16      | 7.11       | 2.90   | 2       | 3.30          | CTN  |
| 13666       | USA 600-6      | 6          |            |           | 8.47       |        | 2       | 3.89          | CTN  |
| 13667       | USA 600-7      | 7          |            |           | 9.83       |        | 2       | 4.43          | CTN  |
| 13668       | USA 600-8      | 8          |            |           | 11.18      |        | 2       | 5.26          | CTN  |
| 13644       | *USA 750-3     | 3          |            |           | 4.90       |        | 3       | 4.52          | CTN  |
| 13645       | *USA 750-4     | 4          |            |           | 6.19       |        | 1       | 1.41          | EA   |
| 13646       | *USA 750-5     | 5          | 750 - 250  | 5/16      | 7.75       | 3.60   | 1       | 2.61          | EA   |
| 13650       | *USA 750-6     | 6          |            |           | 9.18       |        | 1       | 3.04          | EA   |
| 13651       | *USA 750-7     | 7          |            |           | 10.60      |        | 1       | 3.44          | EA   |
| 13655       | *USA 750-8     | 8          |            |           | 12.03      |        | 1       | 3.91          | EA   |

\* 750 MCM size not UL listed.

All wires enter same side





## POWER DISTRIBUTION

### INSULATED MULTI-CABLE

Insulated with rugged high-dielectric rubber/ vinyl coating  
 Saves installation time—no taping  
 Pre-filled with oxide-inhibitor  
 Easy re-entry for changes, inspection, or troubleshooting  
 Plugs marked with connector max wire size for easy identification  
 For flex/extra-flex high-strand wire, first install a PT-FX Shoo-Pin™ Adapter  
 6061-T6 high strength aluminum alloy  
 Copper wire only for #14-#6 AWG  
 One wire per port

**Dual-Rated**

90°C  
 CU9AL  
 600V



### USAD SERIES

### Two-Side Entry

| NAED NUMBER | CATALOG NUMBER | WIRE PORTS | WIRE RANGE | ALLEN HEX | DIMENSIONS |        | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|------------|------------|-----------|------------|--------|---------|---------------|------|
|             |                |            |            |           | LENGTH     | HEIGHT |         | WEIGHT (lbs)  | UNIT |
| 13843       | USAD 4-3       | 3          |            |           | 1.54       |        | 12      | 1.39          | CTN  |
| 13844       | USAD 4-4       | 4          |            |           | 1.97       |        | 6       | 0.91          | CTN  |
| 13846       | USAD 4-6       | 6          | #4 - 14    | 1/8       | 2.82       | 1.45   | 3       | 0.91          | CTN  |
| 13848       | USAD 4-8       | 8          |            |           | 3.65       |        | 3       | 0.99          | CTN  |
| 13853       | USAD 2-3       | 3          |            |           | 1.59       |        | 12      | 1.43          | CTN  |
| 13854       | USAD 2-4       | 4          |            |           | 1.99       |        | 6       | 0.96          | CTN  |
| 13856       | USAD 2-6       | 6          | #2 - 14    | 5/32      | 2.87       | 1.45   | 4       | 0.93          | CTN  |
| 13858       | USAD 2-8       | 8          |            |           | 3.69       |        | 4       | 1.21          | CTN  |
| 13823       | USAD 2/0-3     | 3          |            |           | 2.34       |        | 6       | 1.23          | CTN  |
| 13824       | USAD 2/0-4     | 4          |            |           | 3.01       |        | 6       | 1.56          | CTN  |
| 13825       | USAD 2/0-5     | 5          |            |           | 3.69       |        | 4       | 1.32          | CTN  |
| 13826       | USAD 2/0-6     | 6          |            |           | 4.36       |        | 4       | 1.60          | CTN  |
| 13827       | USAD 2/0-7     | 7          | 2/0 - #14  | 7/32      | 5.05       | 1.50   | 3       | 1.31          | CTN  |
| 13828       | USAD 2/0-8     | 8          |            |           | 5.72       |        | 3       | 1.51          | CTN  |
| 13829       | USAD 2/0-9     | 9          |            |           | 6.37       |        | 1       | 0.65          | EA   |
| 13830       | USAD 2/0-10    | 10         |            |           | 7.03       |        | 1       | 0.85          | EA   |
| 13831       | USAD 2/0-11    | 11         |            |           | 7.76       |        | 1       | 0.92          | EA   |
| 13832       | USAD 2/0-12    | 12         |            |           | 8.40       |        | 1       | 1.00          | EA   |
| 13883       | USAD 3/0-3     | 3          |            |           | 2.65       |        | 6       | 1.60          | CTN  |
| 13884       | USAD 3/0-4     | 4          |            |           | 3.42       |        | 6       | 2.21          | CTN  |
| 13885       | USAD 3/0-5     | 5          | 3/0 - #6   | 1/4       | 4.19       | 1.86   | 3       | 1.10          | CTN  |
| 13886       | USAD 3/0-6     | 6          |            |           | 4.96       |        | 3       | 1.30          | CTN  |
| 13899       | USAD 250-3     | 3          |            |           | 2.99       |        | 4       | 1.61          | CTN  |
| 13900       | USAD 250-4     | 4          |            |           | 3.85       |        | 4       | 2.28          | CTN  |
| 13903       | USAD 250-5     | 5          |            |           | 4.71       |        | 3       | 2.16          | CTN  |
| 13905       | USAD 250-6     | 6          |            |           | 5.57       |        | 3       | 2.47          | CTN  |
| 13907       | USAD 250-7     | 7          |            |           | 6.43       |        | 2       | 1.87          | CTN  |
| 13910       | USAD 250-8     | 8          | 250 - #6   | 5/16      | 7.29       | 2.10   | 2       | 2.20          | CTN  |
| 13911       | USAD 250-9     | 9          |            |           | 8.15       |        | 1       | 1.31          | EA   |
| 13908       | USAD 250-10    | 10         |            |           | 9.01       |        | 1       | 1.50          | EA   |
| 13909       | USAD 250-11    | 11         |            |           | 9.87       |        | 1       | 1.64          | EA   |
| 13912       | USAD 250-12    | 12         |            |           | 10.73      |        | 1       | 1.89          | EA   |
| 13914       | USAD 350-3     | 3          |            |           | 3.52       |        | 4       | 2.61          | CTN  |
| 13915       | USAD 350-4     | 4          |            |           | 4.57       |        | 3       | 2.76          | CTN  |
| 13918       | USAD 350-5     | 5          |            |           | 5.62       |        | 3       | 3.31          | CTN  |
| 13920       | USAD 350-6     | 6          |            |           | 6.67       |        | 2       | 2.69          | CTN  |
| 13922       | USAD 350-7     | 7          |            |           | 7.72       |        | 2       | 3.00          | CTN  |
| 13925       | USAD 350-8     | 8          | 350 - #6   | 5/16      | 8.77       | 2.50   | 2       | 3.36          | CTN  |
| 13926       | USAD 350-9     | 9          |            |           | 9.82       |        | 1       | 2.08          | EA   |
| 13923       | USAD 350-10    | 10         |            |           | 10.87      |        | 1       | 2.30          | EA   |
| 13924       | USAD 350-11    | 11         |            |           | 11.92      |        | 1       | 2.34          | EA   |
| 13927       | USAD 350-12    | 12         |            |           | 12.97      |        | 1       | 2.63          | EA   |
| 13963       | USAD 600-3     | 3          |            |           | 4.39       |        | 3       | 3.36          | CTN  |
| 13964       | USAD 600-4     | 4          |            |           | 5.63       |        | 2       | 3.00          | CTN  |
| 13965       | USAD 600-5     | 5          |            |           | 7.11       |        | 2       | 3.66          | CTN  |
| 13966       | USAD 600-6     | 6          |            |           | 8.47       |        | 2       | 4.36          | CTN  |
| 13967       | USAD 600-7     | 7          |            |           | 9.83       |        | 2       | 5.38          | CTN  |
| 13968       | USAD 600-8     | 8          | 600 - #4   | 5/16      | 11.18      | 2.90   | 2       | 5.62          | CTN  |
| 13969       | USAD 600-9     | 9          |            |           | 12.53      |        | 1       | 3.11          | EA   |
| 13970       | USAD 600-10    | 10         |            |           | 13.88      |        | 1       | 3.66          | EA   |
| 13971       | USAD 600-11    | 11         |            |           | 15.23      |        | 1       | 3.88          | EA   |
| 13972       | USAD 600-12    | 12         |            |           | 16.58      |        | 1       | 4.28          | EA   |

Wire entry optional from either side





## POWER DISTRIBUTION

### INSULATED MULTI-CABLE

Insulated with rugged high-dielectric rubber/vinyl coating  
 Saves installation time—no taping  
 Pre-filled with oxide-inhibitor  
 Easy re-entry for changes, inspection, or troubleshooting  
 Plugs marked with connector max wire size for easy identification  
 For flex/extra-flex high-strand wire, first install a PT-FX Shoo-Pin™ Adapter  
 6061-T6 high strength aluminum alloy  
 One wire per port

**Dual-Rated**

90°C  
 CU9AL  
 600V

### USAD SERIES

### Two-Side Entry

| NAED NUMBER | CATALOG NUMBER | WIRE PORTS | WIRE RANGE | ALLEN HEX | DIMENSIONS |        | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|------------|------------|-----------|------------|--------|---------|---------------|------|
|             |                |            |            |           | LENGTH     | HEIGHT |         | WEIGHT (lbs)  | UNIT |
| 13944       | USAD 750-3     | 3          |            |           | 4.90       |        | 3       | 4.97          | CTN  |
| 13945       | USAD 750-4     | 4          |            |           | 6.19       |        | 1       | 2.21          | EA   |
| 13948       | USAD 750-5     | 5          |            |           | 7.75       |        | 1       | 2.66          | EA   |
| 13950       | USAD 750-6     | 6          |            |           | 9.18       |        | 1       | 3.26          | EA   |
| 13952       | USAD 750-7     | 7          |            |           | 10.60      |        | 1       | 3.69          | EA   |
| 13955       | USAD 750-8     | 8          | 750 - 250  | 5/16      | 12.03      | 3.60   | 1       | 4.23          | EA   |
| 13956       | USAD 750-9     | 9          |            |           | 13.46      |        | 1       | 4.68          | EA   |
| 13953       | USAD 750-10    | 10         |            |           | 14.88      |        | 1       | 5.11          | EA   |
| 13954       | USAD 750-11    | 11         |            |           | 16.30      |        | 1       | 5.56          | EA   |
| 13957       | USAD 750-12    | 12         |            |           | 17.73      |        | 1       | 5.91          | EA   |

Wire entry optional  
 from either side



### SPARE PLUGS

Spare plugs for screw cover or wire ports  
 Marked with connector max wire size for easy identification

### PWS/PSP SERIES

| NAED NUMBER                  | CATALOG NUMBER | CONN SIZE | CTN QTY | EST. SHIPPING |      |
|------------------------------|----------------|-----------|---------|---------------|------|
|                              |                |           |         | WEIGHT (lbs)  | UNIT |
| <b>WIRE &amp; SCREW PORT</b> |                |           |         |               |      |
| 13724                        | PWS 4          | #4        | 12      | 0.04          | CTN  |
| 13722                        | PWS 2          | #2        | 12      | 0.04          | CTN  |
| 13720                        | PWS 2/0        | 2/0       | 12      | 0.06          | CTN  |
| 13725                        | PWS 250        | 250       | 6       | 0.07          | CTN  |
| 13735                        | PWS 350        | 350       | 6       | 0.08          | CTN  |
| 13760                        | PWS 600        | 600       | 6       | 0.08          | CTN  |
| <b>WIRE PORT</b>             |                |           |         |               |      |
| 13775                        | PWP 750        | 750       | 3       | 0.09          | CTN  |
| <b>SCREW PORT</b>            |                |           |         |               |      |
| 13776                        | PSP 750        | 750       | 3       | 0.09          | CTN  |







# GREAVES



## POWER DISTRIBUTION

### INSULATED MOUNTABLE

Isolated bolt holes for mounting to trough, panel or wireway

Most sizes available from stock

Insulated with rugged high-dielectric rubber/vinyl coating

Saves installation time—no taping

Pre-filled with oxide-inhibitor

Plugs marked with connector max wire size for easy identification

6061-T6 high strength aluminum alloy

For flex/extra-flex high-strand wire, first install a PT-FX Shoo-Pin™ Adapter

Copper wire only for #14-#6 AWG

One wire per port

**Dual-Rated**

90°C

CU9AL

600V



### USA-M SERIES

### One-Side Entry

All wires enter same side.

| NAED NUMBER | CATALOG NUMBER | WIRE PORTS | WIRE RANGE | ALLEN HEX | DIMENSIONS |        | MOUNTING BOLT SIZE | EST. SHIPPING |      |
|-------------|----------------|------------|------------|-----------|------------|--------|--------------------|---------------|------|
|             |                |            |            |           | LENGTH     | HEIGHT |                    | WEIGHT (lbs)  | UNIT |
| 17142       | USA 4-2M       | 2          |            |           | 1.97       |        |                    | 0.15          | EA   |
| 17144       | USA 4-4M       | 4          | #4-14      | 1/8       | 2.82       | 1.45   | #10                | 0.22          | EA   |
| 17146       | USA 4-6M       | 6          |            |           | 3.65       |        |                    | 0.28          | EA   |
| 17122       | USA 2-2M       | 2          |            |           | 1.99       |        |                    | 0.15          | EA   |
| 17124       | USA 2-4M       | 4          | #2-14      | 5/32      | 2.87       | 1.45   | #10                | 0.22          | EA   |
| 17126       | USA 2-6M       | 6          |            |           | 3.69       |        |                    | 0.28          | EA   |
| 17102       | USA 2/0-2M     | 2          |            |           | 3.01       |        |                    | 0.26          | EA   |
| 17103       | USA 2/0-3M     | 3          |            |           | 3.69       |        |                    | 0.31          | EA   |
| 17104       | USA 2/0-4M     | 4          | 2/0-14     | 7/32      | 4.36       | 1.50   | #12                | 0.36          | EA   |
| 17105       | USA 2/0-5M     | 5          |            |           | 4.74       |        |                    | 0.43          | EA   |
| 17106       | USA 2/0-6M     | 6          |            |           | 5.41       |        |                    | 0.50          | EA   |
| 17152       | USA 250-2M     | 2          |            |           | 3.85       |        |                    | 0.52          | EA   |
| 17153       | USA 250-3M     | 3          |            |           | 4.71       |        |                    | 0.65          | EA   |
| 17154       | USA 250-4M     | 4          | 250-#6     | 5/16      | 5.57       | 2.10   | 1/4                | 0.78          | EA   |
| 17155       | USA 250-5M     | 5          |            |           | 6.43       |        |                    | 0.96          | EA   |
| 17156       | USA 250-6M     | 6          |            |           | 7.29       |        |                    | 1.01          | EA   |
| 17132       | USA 350-2M     | 2          |            |           | 4.57       |        |                    | 0.85          | EA   |
| 17133       | USA 350-3M     | 3          |            |           | 5.62       |        |                    | 1.04          | EA   |
| 17134       | USA 350-4M     | 4          | 350-#6     | 5/16      | 6.67       | 2.50   | 5/16               | 1.22          | EA   |
| 17135       | USA 350-5M     | 5          |            |           | 7.72       |        |                    | 1.37          | EA   |
| 17136       | USA 350-6M     | 6          |            |           | 8.77       |        |                    | 1.65          | EA   |
| 17162       | USA 600-2M     | 2          |            |           | 5.63       |        |                    | 1.08          | EA   |
| 17163       | USA 600-3M     | 3          |            |           | 7.11       |        |                    | 1.65          | EA   |
| 17164       | USA 600-4M     | 4          | 600-#4     | 5/16      | 8.47       | 2.90   | 5/16               | 1.95          | EA   |
| 17165       | USA 600-5M     | 5          |            |           | 9.83       |        |                    | 2.22          | EA   |
| 17166       | USA 600-6M     | 6          |            |           | 11.18      |        |                    | 2.63          | EA   |
| 17172       | *USA 750-2M    | 2          |            |           | 6.19       |        |                    | 1.41          | EA   |
| 17173       | *USA 750-3M    | 3          |            |           | 7.75       |        |                    | 2.61          | EA   |
| 17174       | *USA 750-4M    | 4          | 750-250    | 5/16      | 9.18       | 3.60   | 5/16               | 3.04          | EA   |
| 17175       | *USA 750-5M    | 5          |            |           | 10.60      |        |                    | 3.44          | EA   |
| 17176       | *USA 750-6M    | 6          |            |           | 12.03      |        |                    | 3.91          | EA   |

\* 750 MCM size not UL Listed.

## MOUNTABLE



PATENTED

End positions are modified and insulated for mounting bolts



## POWER DISTRIBUTION

### INSULATED MOUNTABLE

Isolated bolt holes for mounting to trough, panel or wireway

Most sizes available from stock

Insulated with rugged high-dielectric rubber/vinyl coating

Saves installation time—no taping

Pre-filled with oxide-inhibitor

Plugs marked with connector max wire size for easy identification

6061-T6 high strength aluminum alloy

For flex/extra-flex high-strand wire, first install a PT-FX Shoo-Pin™ Adapter

Copper wire only for #14-#6 AWG

One wire per port

**Dual-Rated**

90°C

CU9AL

600V



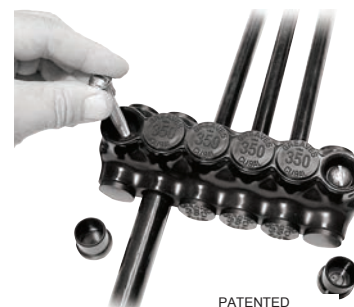
### USAD-M SERIES

### Two-Side Entry

| NAED NUMBER | CATALOG NUMBER | WIRE PORTS | WIRE RANGE | ALLEN HEX | DIMENSIONS |        | MOUNTING BOLT SIZE | EST. SHIPPING |      |
|-------------|----------------|------------|------------|-----------|------------|--------|--------------------|---------------|------|
|             |                |            |            |           | LENGTH     | HEIGHT |                    | WEIGHT (lbs)  | UNIT |
| 17242       | USAD 4-2M      | 2          |            |           | 1.97       |        |                    | 0.15          | EA   |
| 17244       | USAD 4-4M      | 4          | #4-14      | 1/8       | 2.82       | 1.45   | #10                | 0.30          | EA   |
| 17246       | USAD 4-6M      | 6          |            |           | 3.65       |        |                    | 0.40          | EA   |
| 17222       | USAD 2-2M      | 2          |            |           | 1.99       |        |                    | 0.16          | EA   |
| 17224       | USAD 2-4M      | 4          | #2-14      | 5/32      | 2.87       | 1.45   | #10                | 0.27          | EA   |
| 17226       | USAD 2-6M      | 6          |            |           | 3.69       |        |                    | 0.31          | EA   |
| 17202       | USAD 2/0-2M    | 2          |            |           | 3.01       |        |                    | 0.26          | EA   |
| 17203       | USAD 2/0-3M    | 3          |            |           | 3.69       |        |                    | 0.33          | EA   |
| 17204       | USAD 2/0-4M    | 4          |            |           | 4.36       |        |                    | 0.40          | EA   |
| 17205       | USAD 2/0-5M    | 5          |            |           | 5.05       |        |                    | 0.44          | EA   |
| 17206       | USAD 2/0-6M    | 6          | 2/0-14     | 7/32      | 5.72       | 1.50   | #12                | 0.51          | EA   |
| 17207       | USAD 2/0-7M    | 7          |            |           | 6.37       |        |                    | 0.65          | EA   |
| 17208       | USAD 2/0-8M    | 8          |            |           | 7.03       |        |                    | 0.85          | EA   |
| 17209       | USAD 2/0-9M    | 9          |            |           | 7.76       |        |                    | 0.92          | EA   |
| 17200       | USAD 2/0-10M   | 10         |            |           | 8.40       |        |                    | 1.00          | EA   |
| 17252       | USAD 250-2M    | 2          |            |           | 3.85       |        |                    | 0.57          | EA   |
| 17253       | USAD 250-3M    | 3          |            |           | 4.71       |        |                    | 0.72          | EA   |
| 17254       | USAD 250-4M    | 4          |            |           | 5.57       |        |                    | 0.82          | EA   |
| 17255       | USAD 250-5M    | 5          |            |           | 6.43       |        |                    | 0.94          | EA   |
| 17256       | USAD 250-6M    | 6          | 250-#6     | 5/16      | 7.29       | 2.10   | 1/4                | 1.10          | EA   |
| 17257       | USAD 250-7M    | 7          |            |           | 8.15       |        |                    | 1.31          | EA   |
| 17258       | USAD 250-8M    | 8          |            |           | 9.01       |        |                    | 1.50          | EA   |
| 17259       | USAD 250-9M    | 9          |            |           | 9.87       |        |                    | 1.64          | EA   |
| 17250       | USAD 250-10M   | 10         |            |           | 10.73      |        |                    | 1.89          | EA   |
| 17232       | USAD 350-2M    | 2          |            |           | 4.57       |        |                    | 0.92          | EA   |
| 17233       | USAD 350-3M    | 3          |            |           | 5.62       |        |                    | 1.10          | EA   |
| 17234       | USAD 350-4M    | 4          |            |           | 6.67       |        |                    | 1.35          | EA   |
| 17235       | USAD 350-5M    | 5          |            |           | 7.72       |        |                    | 1.50          | EA   |
| 17236       | USAD 350-6M    | 6          | 350-#6     | 5/16      | 8.77       | 2.50   | 5/16               | 1.68          | EA   |
| 17237       | USAD 350-7M    | 7          |            |           | 9.82       |        |                    | 2.08          | EA   |
| 17238       | USAD 350-8M    | 8          |            |           | 10.87      |        |                    | 2.30          | EA   |
| 17239       | USAD 350-9M    | 9          |            |           | 11.92      |        |                    | 2.34          | EA   |
| 17230       | USAD 350-10M   | 10         |            |           | 12.97      |        |                    | 2.63          | EA   |
| 17262       | USAD 600-2M    | 2          |            |           | 5.63       |        |                    | 1.50          | EA   |
| 17263       | USAD 600-3M    | 3          |            |           | 7.11       |        |                    | 1.83          | EA   |
| 17264       | USAD 600-4M    | 4          |            |           | 8.47       |        |                    | 2.18          | EA   |
| 17265       | USAD 600-5M    | 5          |            |           | 9.83       |        |                    | 2.69          | EA   |
| 17266       | USAD 600-6M    | 6          | 600-#4     | 5/16      | 11.18      | 2.90   | 5/16               | 2.81          | EA   |
| 17267       | USAD 600-7M    | 7          |            |           | 12.53      |        |                    | 3.11          | EA   |
| 17268       | USAD 600-8M    | 8          |            |           | 13.88      |        |                    | 3.66          | EA   |
| 17269       | USAD 600-9M    | 9          |            |           | 15.23      |        |                    | 3.88          | EA   |
| 17260       | USAD 600-10M   | 10         |            |           | 16.58      |        |                    | 4.28          | EA   |
| 17272       | *USAD 750-2M   | 2          |            |           | 6.19       |        |                    | 2.21          | EA   |
| 17273       | *USAD 750-3M   | 3          |            |           | 7.75       |        |                    | 2.66          | EA   |
| 17274       | *USAD 750-4M   | 4          |            |           | 9.18       |        |                    | 3.26          | EA   |
| 17275       | *USAD 750-5M   | 5          |            |           | 10.60      |        |                    | 3.69          | EA   |
| 17276       | *USAD 750-6M   | 6          | 750-250    | 5/16      | 12.03      | 3.60   | 5/16               | 4.23          | EA   |
| 17277       | *USAD 750-7M   | 7          |            |           | 13.46      |        |                    | 4.68          | EA   |
| 17278       | *USAD 750-8M   | 8          |            |           | 14.88      |        |                    | 5.11          | EA   |
| 17279       | *USAD 750-9M   | 9          |            |           | 16.30      |        |                    | 5.56          | EA   |
| 17270       | *USAD 750-10M  | 10         |            |           | 17.73      |        |                    | 5.91          | EA   |

Wire entry optional from either side.

**MOUNTABLE**



End positions are modified and insulated for mounting bolts

\* 750 MCM size not UL Listed.



## UNDERGROUND

### BLACK-BURY™ UNDERGROUND CONNECTORS

Submersible for direct burial or below-grade boxes

For use in lighting, power distribution, URD  
 Meets ANSI C119.1 and ANSI C119.4 for Class A  
 Heavy duty re-enterable EPDM or TPE black rubber cover  
 Supplied with silicone grease for ease of installation and sealing  
 Aluminum connector 6061-T6 alloy  
 Dual-rated connectors prefilled with oxide inhibitor

Direct Burial

Dual-Rated  
600V



### SPLICE CONNECTORS

Use as end-to-end splice or reducer  
 Accommodates wide range of wire sizes within each connector size

### UPP SERIES

In-line

| NAED NUMBER | CATALOG NUMBER | WIRE RANGE      | DIMENSIONS (IN)               |                                 |                               | HEX  | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|-----------------|-------------------------------|---------------------------------|-------------------------------|------|---------|---------------|------|
|             |                |                 | H                             | L                               | W                             |      |         | WEIGHT (lbs)  | UNIT |
| 80350       | UPP 1-350      | 350MCM - #10STR | 2 <sup>3</sup> / <sub>4</sub> | 8 <sup>5</sup> / <sub>8</sub>   | 1 <sup>3</sup> / <sub>8</sub> | 5/16 | 2       | 1.50          | EA   |
| 80360       | *UPP 1-500     | 500MCM - #10STR | 4                             | 9 <sup>13</sup> / <sub>16</sub> | 2                             | 5/16 | 1       | 0.61          | EA   |
| 80370       | *†UPP 1-750    | 750MCM - #2AWG  | 6 <sup>1</sup> / <sub>2</sub> | 10 <sup>1</sup> / <sub>4</sub>  | 3 <sup>3</sup> / <sub>4</sub> | 3/8  | 1       | 2.50          | EA   |

† UPP1-750 has side-by-side configuration with 4 screws.  
 \* UPP 500 and UPP 750 sizes not UL listed.

### MULTI-CABLE PEDESTAL CONNECTORS

Use for multi-cable connections such as pedestal or URD  
 Accommodates a wide range of wire sizes within each connector size  
 Large heavy duty screw-cap pull-tab



### UPP SERIES

Multi-cable

| NAED NUMBER | CATALOG NUMBER | PORTS | WIRE RANGE          | DIMENSIONS (IN)               |                    |                               | EST. SHIPPING |      |
|-------------|----------------|-------|---------------------|-------------------------------|--------------------|-------------------------------|---------------|------|
|             |                |       |                     | H                             | L                  | W                             | WEIGHT (lbs)  | UNIT |
| 80432       | UPP 2-350      | 2     | 350 MCM-<br>#10 STR | 2 <sup>1</sup> / <sub>2</sub> | 2.73               | 4 <sup>1</sup> / <sub>2</sub> | 0.61          | EA   |
| 80433       | UPP 3-350      | 3     |                     |                               | 3.56               |                               | 0.85          | EA   |
| 80434       | UPP 4-350      | 4     |                     |                               | 4.68               |                               | 1.10          | EA   |
| 80435       | UPP 5-350      | 5     |                     |                               | 5.81               |                               | 1.83          | EA   |
| 80436       | UPP 6-350      | 6     |                     |                               | 6.93               |                               | 1.61          | EA   |
| 80438       | UPP 8-350      | 8     |                     |                               | 9.18               |                               | 2.14          | EA   |
| 80453       | *UPP 3-500     | 3     | 500 MCM-<br>#10 STR | 3                             | 4.56               | 5 <sup>1</sup> / <sub>8</sub> | 1.38          | EA   |
| 80454       | *UPP 4-500     | 4     |                     |                               | 6.03               |                               | 1.83          | EA   |
| 80455       | *UPP 5-500     | 5     |                     |                               | 7.50               |                               | 2.26          | EA   |
| 80456       | *UPP 6-500     | 6     |                     |                               | 8.98               |                               | 2.71          | EA   |
| 80458       | *UPP 8-500     | 8     |                     |                               | 11.91              |                               | 3.66          | EA   |
| 80474       | *UPP 4-750     | 4     |                     |                               | 750 MCM-<br>#2 AWG |                               | 4             | 7.0  |
| 80476       | *UPP 6-750     | 6     | 10.4                | 6.40                          |                    | EA                            |               |      |
| 80478       | *UPP 8-750     | 8     | 13.75               | 8.70                          |                    | EA                            |               |      |

\*UPP500 and UPP750 sizes not UL Listed.



## UNDERGROUND DIRECT BURIAL

### UF SPLICE KIT

#### Submersible Splice Kit for UF Underground Feeder Cable

- Convenient** - for splice/repair of jacketed Underground Feeder Cable  
**UL Listed** - for direct burial splicing of jacketed UF Cable #14 - 8 AWG  
 - 2/C plus ground, or 3/C plus ground  
 - copper wires only  
 - 600 Volts max

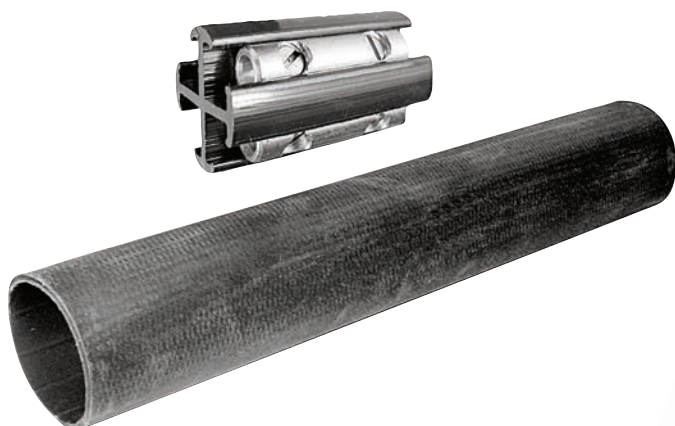
**Faster** - easier-to-use with only one piece of tubing to shrink

**Watertight** - sealant activated with heat-shrinking process

**Tough** - heavy-wall adhesive-lined heat-shrink tubing

**UV Resistant** - for above-ground applications

**Direct Burial**  
600V CU



#### Kit Contains

- Connector with 4 tubular brass splice couplers (screw type)
- 8-inch length of heavy-wall adhesive-lined heat-shrinkable tubing
- Installation instruction and wire stripping guide on package

**Display packaged** - Card 12 X 5 X 1½ inches in bag

**Installation** - Use soft-flame torch or heat gun to shrink tubing and melt adhesive.

### UFK SERIES

#### Splice Kit

| NAED NUMBER | CATALOG NUMBER | WIRE RANGE   | QUANTITY | EST. SHIPPING |      |
|-------------|----------------|--|----------|---------------|------|
|             |                |  |          | WEIGHT (lbs)  | UNIT |
| 80300       | UFK 8          | UF jacketed copper cable #8-14 AWG<br>2/C plus ground or 3/C plus ground | 12       | 3.0           | CTN  |





## UNDERGROUND

### IN-LINE WIRE SPLICE KITS

#### Submersible watertight insulation splice kits

Re-enterable EPDM rubber cover

Eliminates taping in above-ground installations

Each splice kit contains:

- (1) submersible watertight EPDM splice cover
- (1) capsule of silicone grease
- (1) electrical splice connector

**Direct Burial**

#### Splice kit with dual-rated mechanical connector

Connector filled with oxide inhibitor and capped

Use to splice or reduce wire size

Accepts a wide range of wire sizes

Dual-rated for aluminum or copper wiring

Dual-Rated  
600V



### US-K SERIES

| NAED NUMBER | CATALOG NUMBER | WIRE RANGE |       | CONNECTOR LENGTH (IN)          | EST. SHIPPING |      |
|-------------|----------------|------------|-------|--------------------------------|---------------|------|
|             |                | MAX.       | MIN.  |                                | WEIGHT (lbs)  | UNIT |
| 71005       | US 350-K       | 350 MCM    | 6 STR | 3                              | 0.89          | EA   |
| 71010       | US 500-K       | 500 MCM    | 2 STR | 3 <sup>9</sup> / <sub>16</sub> | 0.97          | EA   |

#### Splice kit with dual-rated compression connector

Connector filled with oxide inhibitor and capped

Use to splice specific wire size

Dual-rated for aluminum or copper wiring

Dual-Rated  
600V



### ASC-K SERIES

| NAED NUMBER | CATALOG NUMBER | WIRE SIZE | COLOR CODE | DIE INDEX | SPLICE COVER | EST. SHIPPING |      |
|-------------|----------------|-----------|------------|-----------|--------------|---------------|------|
|             |                |           |            |           |              | WEIGHT (lbs)  | UNIT |
| 80100       | ASC 4K         | #4        | Green      | 11/375    | R20          | 0.17          | EA   |
| 80110       | ASC 2K         | #2        | Pink       | 12/348    |              | 0.17          | EA   |
| 80115       | ASC 1K         | #1        | Gold       | 471       |              | 0.17          | EA   |
| 80120       | ASC 10K        | 1/0       | Tan        | 296       |              | 0.19          | EA   |
| 80125       | ASC 20K        | 2/0       | Olive      | 297       | R35          | 0.26          | EA   |
| 80130       | ASC 30K        | 3/0       | Ruby       | 467       |              | 0.28          | EA   |
| 80135       | ASC 40K        | 4/0       | White      | 17/298    |              | 0.32          | EA   |
| 80140       | ASC 250K       | 250       | Red        | 18/324    |              | 0.32          | EA   |
| 80145       | ASC 300K       | 300       | Blue       | 19/470    |              | 0.34          | EA   |
| 80150       | ASC 350K       | 350       | Brown      | 20/299    | R50          | 0.49          | EA   |
| 80155       | ASC 400K       | 400       | Green      | 22/472    |              | 0.52          | EA   |
| 80160       | ASC 500K       | 500       | Pink       | 300       | R100         | 0.85          | EA   |
| 80165       | ASC 600K       | 600       | Black      | 24/473    |              | 0.96          | EA   |
| 80170       | ASC 750K       | 750       | Yellow     | 936       |              | 1.00          | EA   |
| 80175       | ASC 1000K      | 1000      | Brown      | 302       |              | 1.32          | EA   |



## UNDERGROUND

### IN-LINE WIRE SPLICE KITS

#### Submersible watertight insulation splice kits

Re-enterable EPDM rubber cover

Eliminates taping in above-ground installations

Each splice kit contains:

- (1) submersible watertight EPDM splice cover
- (1) capsule of silicone grease
- (1) electrical splice connector

**Direct Burial**

Copper wire only  
600V

#### Splice kit with copper compression connector

Use to splice specific wire size, copper wire only



### C-K SERIES

| NAED NUMBER | CATALOG NUMBER | WIRE SIZE | COLOR CODE | DIE INDEX | SPLICE COVER | EST. SHIPPING |      |
|-------------|----------------|-----------|------------|-----------|--------------|---------------|------|
|             |                |           |            |           |              | WEIGHT (lbs)  | UNIT |
| 80010       | C 4K           | #4        | Gray       | 8/346     | R20          | 0.17          | EA   |
| 80015       | C 2K           | #2        | Brown      | 10        |              | 0.19          | EA   |
| 80020       | C 1K           | #1        | Green      | 11/375    |              | 0.20          | EA   |
| 80025       | C 10K          | 1/0       | Pink       | 12/348    |              | 0.22          | EA   |
| 80030       | C 20K          | 2/0       | Black      | 13        |              | 0.24          | EA   |
| 80035       | C 30K          | 3/0       | Orange     | 14        | R35          | 0.32          | EA   |
| 80040       | C 40K          | 4/0       | Purple     | 15        |              | 0.36          | EA   |
| 80045       | C 250K         | 250       | Yellow     | 16        |              | 0.39          | EA   |
| 80050       | C 300K         | 300       | White      | 17/298    |              | 0.43          | EA   |
| 80055       | C 350K         | 350       | Red        | 18/324    |              | 0.50          | EA   |
| 80060       | C 400K         | 400       | Blue       | 19/470    | R50          | 0.61          | EA   |
| 80065       | C 500K         | 500       | Brown      | 20/299    |              | 0.81          | EA   |
| 80070       | C 600K         | 600       | Green      | 22/472    | R100         | 1.30          | EA   |
| 80075       | C 750K         | 750       | Black      | 24/473    |              | 1.45          | EA   |
| 80080       | C 1000K        | 1000      | White      | 27        |              | 1.88          | EA   |

### IN-LINE SPLICE COVERS

#### Submersible watertight splice cover only

Re-enterable EPDM rubber cover

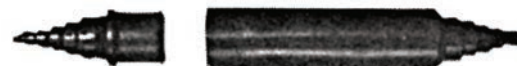
Eliminates taping in above-ground installations

Contains (1) submersible EPDM splice cover

- (1) capsule of silicone grease



### R SERIES



| NAED NUMBER | CATALOG NUMBER | WIRE RANGE |        |     | SPLICE CHAMBER DIMENSIONS (IN) |          | EST. SHIPPING |      |
|-------------|----------------|------------|--------|-----|--------------------------------|----------|---------------|------|
|             |                | MAX CU     | MAX AL | MIN | LENGTH                         | DIAMETER | WEIGHT (lbs)  | UNIT |
| 80200       | R 20           | 2/0        | 1/0    | 14  | 2.75                           | .68      | 0.14          | EA   |
| 80205       | R 35           | 350        | 300    | 14  | 4.5                            | .75      | 0.21          | EA   |
| 80210       | R 50           | 500        | 400    | 14  | 4.75                           | 1.05     | 0.29          | EA   |
| 80215       | *R 100         | 1000       | 1000   | 2   | 9.6                            | 1.84     | 0.52          | EA   |

\* Size not UL.

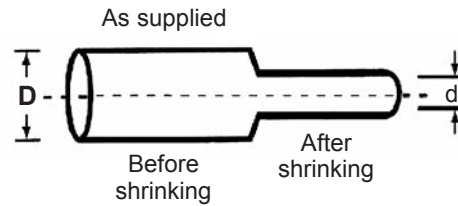
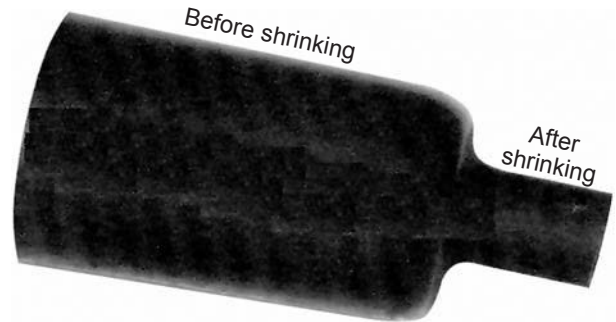


## UNDERGROUND

# HEAT SHRINK TUBING HEAVY WALL with ADHESIVE



Black cross-linked heavy-wall heat-shrink tubing  
 Use to insulate electrical cable splices in utility/industrial applications  
 Use on compression splices (C, SC, SC-FX Series) and adapters (CRK, ND-R Series)  
 Also use to insulate barrels of compression lugs  
 Use for insulation of primary low voltage cables  
 Withstands severe mechanical and sealing requirements of URD, submersible, and direct burial installations  
 Provides strain relief and mechanical protection  
 Resists impact and abrasion  
 Supplied as expanded tube  
 Shrink ratio 3:1, wide range of available diameters  
 Shrink temperature: 120°C  
 Thermoplastic hot-melt adhesive lining seals to cable jackets when heated  
 Continuous operating temperature rating: -55°C to 110°C  
 Meets UL 486D, CSA C22.2 No. 198.2, ANSI C119.1, Western Underground Guide Numbers 2.4 and 2.5, ICEA and NEMA insulation thickness requirements.



## HWA SERIES

| NAED NUMBER | CATALOG NUMBER | NOMINAL SIZE | WIRE SIZE |     | INSIDE DIA |     | LENGTH PIECE (IN) | PKG QTY | EST. SHIPPING |      |
|-------------|----------------|--------------|-----------|-----|------------|-----|-------------------|---------|---------------|------|
|             |                |              | MAX       | MIN | D          | d   |                   |         | WEIGHT (lbs)  | UNIT |
| 41850       | HWA50-6        | 1/2          | #6        | #8  | .51        | .16 | 6                 | 8       | .3            | CTN  |
| 41875       | HWA75-6        | 3/4          | #2        | #6  | .75        | .24 | 6                 | 6       | .4            | CTN  |
| 41810       | HWA100-9       | 1            | 3/0       | #1  | 1.1        | .35 | 9                 | 4       | .6            | CTN  |
| 41815       | HWA150-9       | 1 1/2        | 350       | 2/0 | 1.5        | .47 | 9                 | 3       | .63           | CTN  |
| 41820       | HWA200-9       | 2            | 500       | 250 | 2.0        | .63 | 9                 | 3       | 1.0           | CTN  |
| 41827       | HWA275-12      | 2 3/4        | 1000      | 600 | 2.7        | .87 | 12                | 1       | .5            | EA   |

Lengths provide 2-inch seal on both cable jackets when using long barrel compression splice. Other lengths and sizes available.

## INSTALLATION

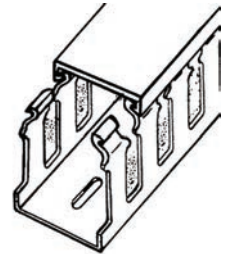
1. Place the tube over one of the cable-ends before splicing.
2. Install the electrical splice.
3. Center the tube over the splice so a minimum of 2 inches of tubing will seal to each cable jacket.
4. With a soft-flame torch, begin at the center and heat slowly around the radius, moving progressively to each end. When heated to shrink temperature, the tubing shrinks and conforms to the splice, and the adhesive melts and seals to the splice and cable jackets. Heat so adhesive forms a bead around each end. Do not overheat, which can scorch and damage the tubing.



## WIRE MANAGEMENT WIRING DUCT

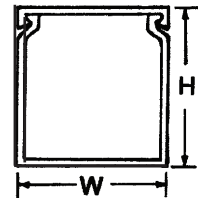
### PANEL CHANNEL™

Flush cover design for maximum space utilization, supplied complete with non-slip flush cover  
 Slotted wall for easy entry/exit of wires, with break lines for easy removal of sidewall fingers  
 Restricted slot opening for retaining wires, burr-free edges for smooth handling  
 Rigid PVC, self-extinguishing  
 Standard color gray, other colors available.



### PC SERIES

| NAED NUMBER | CATALOG NUMBER | NOMINAL SIZE (IN) | DIMENSIONS (IN) |      | NOMINAL LENGTH* | CTN QTY (FT) | EST. SHIPPING |      |
|-------------|----------------|-------------------|-----------------|------|-----------------|--------------|---------------|------|
|             |                |                   | W               | H    |                 |              | WEIGHT (lbs)  | UNIT |
| 84005       | PC 0506LG      | 1/2 x 5/8         | .60             | .71  | 6 FT            | 120          | 11            | CTN  |
| 84010       | PC 051LG       | 1/2 x 1           | .60             | 1.18 |                 | 120          | 12            | CTN  |
| 84110       | PC 11LG        | 1 x 1             | 1.00            | 1.18 | 6 FT            | 108          | 18            | CTN  |
| 84115       | PC 115LG       | 1 x 1 1/2         | 1.00            | 1.57 |                 | 108          | 22            | CTN  |
| 84120       | PC 12LG        | 1 x 2 1/4         | 1.00            | 2.36 | 6 FT            | 144          | 35            | CTN  |
| 84130       | PC 13LG        | 1 x 3             | 1.00            | 3.15 |                 | 144          | 51            | CTN  |
| 84140       | PC 14LG        | 1 x 4             | 1.00            | 3.94 | 6 FT            | 48           | 23            | CTN  |
| 84151       | PC 1515LG      | 1 1/2 x 1 1/2     | 1.57            | 1.57 |                 | 120          | 34            | CTN  |
| 84152       | PC 152LG       | 1 1/2 x 2 1/4     | 1.57            | 2.36 | 6 FT            | 108          | 36            | CTN  |
| 84153       | PC 153LG       | 1 1/2 x 3         | 1.57            | 3.15 |                 | 96           | 37            | CTN  |
| 84154       | PC 154LG       | 1 1/2 x 4         | 1.57            | 3.94 | 6 FT            | 48           | 23            | CTN  |
| 84215       | PC 215LG       | 2 1/4 x 1 1/2     | 2.36            | 1.57 |                 | 72           | 27            | CTN  |
| 84220       | PC 22LG        | 2 1/4 x 2 1/4     | 2.36            | 2.36 | 6 FT            | 72           | 33            | CTN  |
| 84230       | PC 23LG        | 2 1/4 x 3         | 2.36            | 3.15 |                 | 72           | 37            | CTN  |
| 84240       | PC 24LG        | 2 1/4 x 4         | 2.36            | 3.94 | 6 FT            | 24           | 15            | CTN  |
| 84315       | PC 315LG       | 3 x 1 1/2         | 3.15            | 1.57 |                 | 72           | 32            | CTN  |
| 84320       | PC 32LG        | 3 x 2 1/4         | 3.15            | 2.36 | 6 FT            | 72           | 37            | CTN  |
| 84330       | PC 33LG        | 3 x 3             | 3.15            | 3.15 |                 | 72           | 44            | CTN  |
| 84340       | PC 34LG        | 3 x 4             | 3.15            | 3.94 | 6 FT            | 24           | 20            | CTN  |
| 84350       | PC 35LG        | 3 x 5             | 2.95            | 4.92 |                 | 36           | 32            | CTN  |
| 84415       | PC 415LG       | 4 x 1 1/2         | 3.94            | 1.57 | 6 FT            | 48           | 26            | CTN  |
| 84420       | PC 42LG        | 4 x 2 1/4         | 3.94            | 2.36 |                 | 48           | 35            | CTN  |
| 84430       | PC 43LG        | 4 x 3             | 3.94            | 3.15 | 6 FT            | 48           | 36            | CTN  |
| 84440       | PC 44LG        | 4 x 4             | 3.94            | 3.94 |                 | 24           | 21            | CTN  |
| 84450       | PC 45LG        | 4 x 5             | 3.94            | 4.92 | 6 FT            | 24           | 24            | CTN  |
| 84640       | PC 64LG        | 6 x 4             | 5.91            | 3.94 |                 | 24           | 30            | CTN  |



\*Actual piece length is 6' 6 3/4" (2m), which is considered as 6' for carton quantity.

Options available: Adhesive backing, white color, blue color, solid wall. Consult factory for availability.  
 Sold in carton quantity only.





# GREAVES



## WIRE MANAGEMENT CABLE TIES

### NATURAL

### Nylon 6.6

| NAED NUMBER          | CATALOG NUMBER  | LENGTH (IN) | WIDTH (IN) | MAX BUNDLE (IN) | TENSILE | PKG QTY | EST. SHIPPING |      |
|----------------------|-----------------|-------------|------------|-----------------|---------|---------|---------------|------|
|                      |                 |             |            |                 |         |         | WEIGHT (lbs)  | UNIT |
| <b>STANDARD DUTY</b> |                 |             |            |                 |         |         |               |      |
| 74501                | <b>N 418</b>    | 4           | .100       | 7/8             | 18      | 100     | 0.07          | PKG  |
| 74515                | <b>N 818</b>    | 8           |            | 2               |         |         | 0.13          | PKG  |
| 74505                | <b>N 540</b>    | 5½          | .130       | 1¼              | 40      |         | 0.17          | PKG  |
| 74520                | <b>N 840</b>    | 8½          |            | 2               |         |         | 0.25          | PKG  |
| 74510                | <b>N 750</b>    | 7½          |            | 1¼              |         |         | 0.30          | PKG  |
| 74525                | <b>N 1150</b>   | 11          | .187       | 3               | 50      |         | 0.39          | PKG  |
| 74530                | <b>N 1450</b>   | 14          |            | 4               |         | 0.50    | PKG           |      |
| <b>HEAVY DUTY</b>    |                 |             |            |                 |         |         |               |      |
| 74535                | <b>N 14120</b>  | 14½         | .300       | 4               | 120     | 50      | 1.20          | PKG  |
| 74537                | <b>N 24120†</b> | 24          |            | 8               |         |         | 1.27          | PKG  |
| 74540                | <b>N 24175</b>  | 24          |            | 7               |         | 50      | 1.37          | PKG  |
| 74555                | <b>N 36175</b>  | 36          | .345       | 11              | 175     |         | 2.03          | PKG  |
| 74560                | <b>N 48175*</b> | 48          |            | 15              |         |         | 2.68          | PKG  |

\*Color of N48175 may be gray for HVAC use.

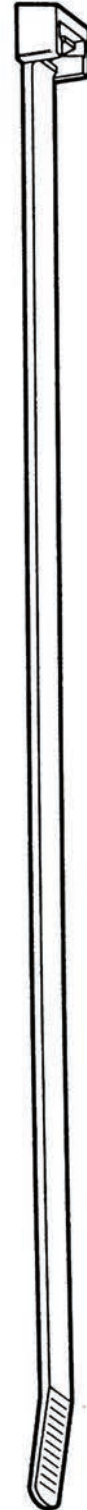
† Not UL Listed.

### BLACK UV RESISTANT

### Nylon 6.6

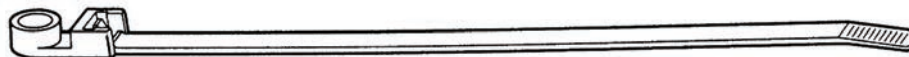
| NAED NUMBER          | CATALOG NUMBER  | LENGTH (IN) | WIDTH (IN) | MAX BUNDLE (IN) | TENSILE | PKG QTY | EST. SHIPPING |      |
|----------------------|-----------------|-------------|------------|-----------------|---------|---------|---------------|------|
|                      |                 |             |            |                 |         |         | WEIGHT (lbs)  | UNIT |
| <b>STANDARD DUTY</b> |                 |             |            |                 |         |         |               |      |
| 74601                | <b>B 418</b>    | 4           |            | 7/8             | 18      | 100     | 0.07          | PKG  |
| 74615                | <b>B 818</b>    | 8           | .100       | 2               |         |         | 0.13          | PKG  |
| 74605                | <b>B 540</b>    | 5½          | .130       | 1¼              | 40      |         | 0.17          | PKG  |
| 74620                | <b>B 840</b>    | 8½          |            | 2               |         |         | 0.25          | PKG  |
| 74610                | <b>B 750</b>    | 7½          |            | 1¼              |         |         | 0.30          | PKG  |
| 74625                | <b>B 1150</b>   | 11          | .187       | 3               | 50      |         | 0.39          | PKG  |
| 74630                | <b>B 1450</b>   | 14          |            | 4               |         | 0.50    | PKG           |      |
| <b>HEAVY DUTY</b>    |                 |             |            |                 |         |         |               |      |
| 74635                | <b>B 14120</b>  | 14½         | .300       | 4               | 120     | 50      | 1.20          | PKG  |
| 74637                | <b>B 24120†</b> | 24          |            | 8               |         |         | 1.27          | PKG  |
| 74640                | <b>B 24175</b>  | 24          |            | 7               |         | 50      | 1.37          | PKG  |
| 74655                | <b>B 36175</b>  | 36          | .345       | 11              | 175     |         | 2.03          | PKG  |
| 74660                | <b>B 48175</b>  | 48          |            | 15              |         |         | 2.68          | PKG  |

† Not UL Listed.





## WIRE MANAGEMENT MOUNTING CABLE TIES



| NAED NUMBER | CATALOG NUMBER | LENGTH (IN)                   | WIDTH (IN) | MAX BUNDLE (IN)               | TENSILE | MOUNT HOLE | PKG QTY | EST. SHIPPING |      |
|-------------|----------------|-------------------------------|------------|-------------------------------|---------|------------|---------|---------------|------|
|             |                |                               |            |                               |         |            |         | WEIGHT (lbs)  | UNIT |
| 74804       | <b>M 530</b>   | 6                             | .140       | 1 <sup>1</sup> / <sub>4</sub> | 30      | 8          | 100     | 0.20          | PKG  |
| 74810       | <b>M 750</b>   | 7 <sup>1</sup> / <sub>2</sub> | .185       | 1 <sup>3</sup> / <sub>4</sub> | 50      | 10         |         | 0.34          | PKG  |
| 74825       | <b>M 1150</b>  | 11                            | .187       | 3                             | 50      | 10         |         | 0.49          | PKG  |
| 74835       | <b>M 14120</b> | 15                            | .300       | 4                             | 120     | 1/4        |         | 1.53          | PKG  |

### WEATHER RESISTANT BLACK

| NAED NUMBER | CATALOG NUMBER  | LENGTH (IN)                   | WIDTH (IN) | MAX BUNDLE (IN)               | TENSILE | MOUNT HOLE | PKG QTY | EST. SHIPPING |      |
|-------------|-----------------|-------------------------------|------------|-------------------------------|---------|------------|---------|---------------|------|
|             |                 |                               |            |                               |         |            |         | WEIGHT (lbs)  | UNIT |
| 74904       | <b>MB 530</b>   | 6                             | .140       | 1 <sup>1</sup> / <sub>4</sub> | 30      | 8          | 100     | 0.19          | PKG  |
| 74910       | <b>MB 750</b>   | 7 <sup>1</sup> / <sub>2</sub> | .185       | 1 <sup>3</sup> / <sub>4</sub> | 50      | 10         |         | 0.34          | PKG  |
| 74925       | <b>MB 1150</b>  | 11                            | .187       | 3                             | 50      | 10         |         | 0.49          | PKG  |
| 74935       | <b>MB 14120</b> | 15                            | .300       | 4                             | 120     | 1/4        |         | 1.30          | PKG  |

## IDENTIFICATION TIES



| NAED NUMBER | CATALOG NUMBER | LENGTH (IN) | WIDTH (IN) | MAX BUNDLE (IN)               | TENSILE | MARKER AREA  | PKG QTY | EST. SHIPPING |      |
|-------------|----------------|-------------|------------|-------------------------------|---------|--------------|---------|---------------|------|
|             |                |             |            |                               |         |              |         | WEIGHT (lbs)  | UNIT |
| 74701       | <b>ID 418*</b> | 4           | .100       | 3/4                           | 18      | .312 x .973  | 100     | 0.11          | PKG  |
| 74710       | <b>ID 750</b>  | 8           | .181       | 1 <sup>3</sup> / <sub>4</sub> | 50      | 1.081 x .522 |         | 0.35          | PKG  |

\* Flag configuration

## RELEASABLE TIES

Extended pawl releases with thumbnail  
Ideal for temporary bundling applications  
Reusable



| NAED NUMBER | CATALOG NUMBER | LENGTH (IN)                   | WIDTH (IN) | MAX BUNDLE (IN)               | TENSILE | PKG QTY | EST. SHIPPING |      |
|-------------|----------------|-------------------------------|------------|-------------------------------|---------|---------|---------------|------|
|             |                |                               |            |                               |         |         | WEIGHT (lbs)  | UNIT |
| 74953       | <b>R 750</b>   | 7 <sup>1</sup> / <sub>2</sub> |            | 1 <sup>7</sup> / <sub>8</sub> |         | 100     | 0.56          | PKG  |
| 74983       | <b>R 1150</b>  | 11                            | .18        | 3                             | 50      |         | 0.72          | PKG  |
| 74985       | <b>R 1450</b>  | 14                            |            | 4                             |         |         | 0.84          | PKG  |

Also available in UV resistant black



## CABLE TIE MOUNTS

Produced in 6.6 natural nylon and available in heat stabilized black nylon  
Pressure sensitive adhesive backing with #6 screw mounting option  
UL recognized

| NAED NUMBER | CATALOG NUMBER | DIMENSIONS (IN) | MAX TIE WIDTH (IN) | PKG QTY | EST. SHIPPING |      |
|-------------|----------------|-----------------|--------------------|---------|---------------|------|
|             |                |                 |                    |         | WEIGHT (lbs)  | UNIT |
| 74755       | <b>MP 75</b>   | 3/4 X 3/4       | .130               | 100     | 0.18          | PKG  |
| 74750       | <b>MP 100</b>  | 1 X 1           | .187               |         | 0.35          | PKG  |



Also available in UV resistant black



# GROUNDING

GREAVES EXCLUSIVE

## Ground-Lok™ CLAMP SYSTEM INTERLOCKING COMPONENTS

Copper wire only

### BRONZE WATER PIPE GROUND CLAMPS

Interchangeable clamps and adapters provide versatility  
Interlocking teeth assure positive lock of adapter to clamp while permitting orientation of adapter in virtually any direction  
Heavy duty construction - cast bronze body and plated steel screws



### G1 SERIES

| NAED NUMBER          | CATALOG NUMBER | WATER PIPE SIZE (IPS) | TUBING SIZE | GROUND WIRE RANGE | CTN QTY | EST. SHIPPING WEIGHT (lbs) UNIT |     |
|----------------------|----------------|-----------------------|-------------|-------------------|---------|---------------------------------|-----|
| <b>CLAMPS</b>        |                |                       |             |                   |         |                                 |     |
| 30102                | <b>G1</b>      | 1/2 - 1               | 3/4 - 1 1/2 |                   | 50      | 12.0                            | CTN |
| 30160                | <b>G2</b>      | 1 1/4 - 2             | 1 1/2 - 2   |                   | 25      | 10.8                            | CTN |
| 30440                | <b>G12</b>     | 2 1/2 - 4             | 3 - 4       | #2 STR - #8       | 4       | 4.46                            | CTN |
| 30460                | <b>G13</b>     | 4 1/2 - 6             | 5 - 6       |                   | 4       | 6.11                            | CTN |
| <b>WIRE ADAPTER*</b> |                |                       |             |                   |         |                                 |     |
| 30685                | <b>*G50</b>    | CABLE                 |             | 4/0 - #8 STR      | 20      | 4.56                            | CTN |
|                      |                | ARMORED               |             | #2 STR - #8       |         | 4.56                            | CTN |



Clamp



G50 Wire Adapter



Patented

G50 is supplied with stainless steel screws.  
\* G50 not CSA.

| <b>CONDUIT HUBS**</b> |                |             |                   |         |                                 |     |  |
|-----------------------|----------------|-------------|-------------------|---------|---------------------------------|-----|--|
| NAED NUMBER           | CATALOG NUMBER | THREAD SIZE | GROUND WIRE RANGE | CTN QTY | EST. SHIPPING WEIGHT (lbs) UNIT |     |  |
| 30700                 | <b>G41</b>     | 1/2         | 2/0 - #8          | 20      | 5.00                            | CTN |  |
| 30720                 | <b>G42</b>     | 3/4         | 3/0 - #8          | 20      | 5.72                            | CTN |  |
| 30740                 | <b>G43</b>     | 1           | 3/0 - #8          | 20      | 6.81                            | CTN |  |



Conduit Adapter Hub

For tin-plating add suffix "P" to Catalog Numbers.  
UL listed to #4 AWG. CSA certified as shown.  
\*\*G41, G42, G43 UL listed when used on G1, G2, G12, or G13 clamp.



**4 CLAMPS + 4 ADAPTERS = 20 COMBINATIONS**

All adapters fit all clamps



## GROUNDING

GREAVES EXCLUSIVE

# Ground-Lok™ CLAMP SYSTEM INTERLOCKING – ASSEMBLED SETS



Copper wire only

## BRONZE WATER PIPE GROUND CLAMP ASSEMBLIES

| NAED NUMBER    | CATALOG NUMBER | INCLUDES ADAPTER TYPE         | WATER PIPE SIZE (IPS) | GROUND WIRE RANGE   | CTN QTY | EST. SHIPPING |      |
|----------------|----------------|-------------------------------|-----------------------|---------------------|---------|---------------|------|
|                |                |                               |                       |                     |         | WEIGHT (lbs)  | UNIT |
| 30205          | G53            | *G50                          | 1/2 - 1               | 4/0 STR<br>to<br>#8 | 25      | 11.74         | CTN  |
| 30245          | G54            | WIRE                          | 1/4 - 2               |                     | 20      | 6.56          | CTN  |
| 30485          | G515           | ADAPTER WITH LAY-IN           | 2 1/2 - 4             |                     | 4       | 5.43          | CTN  |
| 30505          | G516           | CAPABILITY                    | 4 1/2 - 6             |                     | 4       | 6.90          | CTN  |
| * G50 not CSA. |                | <b>FOR 1/2" RIGID CONDUIT</b> |                       |                     |         |               |      |
| 30280          | G5             | G41                           | 1/2 - 1               | 2/0 STR<br>to<br>#8 | 25      | 12.39         | CTN  |
| 30320          | G6             | 1/2"                          | 1/4 - 2               |                     | 20      | 13.46         | CTN  |
| 30520          | G18            | CONDUIT                       | 2 1/2 - 4             |                     | 4       | 5.46          | CTN  |
| 30540          | G19            | ADAPTER                       | 4 1/2 - 6             |                     | 4       | 7.10          | CTN  |
|                |                | <b>FOR 3/4" RIGID CONDUIT</b> |                       |                     |         |               |      |
| 30360          | G7             | G42                           | 1/2 - 1               | 3/0 STR<br>to<br>#8 | 25      | 13.39         | CTN  |
| 30380          | G8             | 3/4"                          | 1/4 - 2               |                     | 20      | 14.26         | CTN  |
| 30580          | G21            | CONDUIT                       | 2 1/2 - 4             |                     | 4       | 5.62          | CTN  |
| 30600          | G22            | ADAPTER                       | 4 1/2 - 6             |                     | 4       | 7.10          | CTN  |
|                |                | <b>FOR 1" RIGID CONDUIT</b>   |                       |                     |         |               |      |
| 30400          | G9             | G43                           | 1/2 - 1               | 3/0 STR<br>to<br>#8 | 25      | 14.64         | CTN  |
| 30420          | G10            | 1"                            | 1/4 - 2               |                     | 10      | 7.76          | CTN  |
| 30620          | G24            | CONDUIT                       | 2 1/2 - 4             |                     | 2       | 3.04          | CTN  |
| 30640          | G25            | ADAPTER                       | 4 1/2 - 6             |                     | 2       | 3.86          | CTN  |

For tin-plating add suffix letter "P" to Catalog Numbers.  
UL listed to #4 AWG. CSA certified as shown.



Patented



## G1SS SERIES

\*Stainless Steel Screws

| NAED NUMBER | CATALOG NUMBER | ADAPTER TYPE | WATER PIPE SIZE (IPS) | GROUND WIRE MAX    | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|--------------|-----------------------|--------------------|---------|---------------|------|
|             |                |              |                       |                    |         | WEIGHT (lbs)  | UNIT |
| 30901       | G1SS           | -            | 1/2 - 1               | #2 STR<br>to<br>#8 | 50      | 12.7          | CTN  |
| 30902       | G2SS           | -            | 1/4 - 2               |                    | 25      | 10.5          | CTN  |
| 30912       | G12SS          | -            | 2 1/2 - 4             |                    | 4       | 4.23          | CTN  |
| 30913       | G13SS          | -            | 4 1/2 - 6             |                    | 4       | 6.00          | CTN  |
| 30685       | G50            | Wire         | -                     | 4/0 STR            | 20      | 4.67          | CTN  |
| 30941       | G41SS          | 1/2" Conduit | -                     | 2/0 STR            | 20      | 5.17          | CTN  |
| 30942       | G42SS          | 3/4" Conduit | -                     | 3/0 STR            | 20      | 5.83          | CTN  |
| 30943       | G43SS          | 1" Conduit   | -                     | 3/0 STR            | 20      | 6.74          | CTN  |
| 30953       | G53SS          | Wire         | 1/2 - 1               | 4/0 STR            | 25      | 12.1          | CTN  |
| 30954       | G54SS          | Wire         | 1/4 - 2               | 4/0 STR            | 10      | 3.50          | CTN  |

For tin-plating add suffix letter "P" to Catalog Numbers.  
Screws are stainless steel. These SS clamps not UL, not CSA.  
\*SS clamps replace BS (Brass Screw) clamps for improved corrosion resistance.



G1SS



G 50

G53SS  
G54SSG41SS  
G42SS  
G43SS





## GROUNDING ECONOMY PIPE CLAMPS



### Bare Wire Type

Cast bronze high-copper alloy pipe clamp with plated steel screws  
For bonding bare copper wire to water pipe, such as a water meter shunt

| NAED NUMBER | CATALOG NUMBER | WATER PIPE SIZE (IPS) | WIRE MAX | FIG | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|-----------------------|----------|-----|---------|---------------|------|
|             |                |                       |          |     |         | WEIGHT (lbs)  | UNIT |
| 30140       | G1S            | 1/2 - 1               | #2 STR   | 1   | 50      | 9.90          | CTN  |
| 30180       | G2S            | 1 1/4 - 2             | #2 STR   | 1   | 25      | 9.97          | CTN  |

Copper wire only

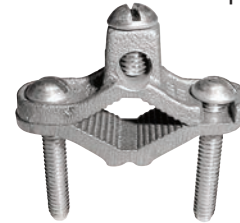


Figure 1

### Armored Wire Type

Cast bronze high-copper alloy pipe clamp with plated steel screws  
For bonding bare or armored copper wire, also use with jacketed cables or cords  
Separate two-screw clamping strap for armor

| NAED NUMBER | CATALOG NUMBER | WATER PIPE SIZE (IPS) | WIRE MAX | FIG | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|-----------------------|----------|-----|---------|---------------|------|
|             |                |                       |          |     |         | WEIGHT (lbs)  | UNIT |
| 30560       | G20            | 1/2 - 1               | #2 STR   | 2   | 50      | 11.33         | CTN  |
| 30260       | G4S            | 1 1/4 - 2             | #4 STR   | 2   | 10      | 4.83          | CTN  |



Figure 2

### 1/2" Conduit Type

Cast bronze high-copper alloy pipe clamp with plated steel screws  
Hub threaded for 1/2" conduit  
Connect wire under hub-screw

| NAED NUMBER | CATALOG NUMBER | WATER PIPE SIZE (IPS) | WIRE MAX | FIG | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|-----------------------|----------|-----|---------|---------------|------|
|             |                |                       |          |     |         | WEIGHT (lbs)  | UNIT |
| 30300       | G5S            | 1/2 - 1               | #6 SOL   | 3   | 25      | 5.86          | CTN  |
| 30340       | G6S            | 1 1/4 - 2             | #6 SOL   | 3   | 20      | 10.2          | CTN  |



Figure 3

### Stainless Steel Screw Type

Cast bronze high-copper alloy pipe clamp with stainless steel screws  
For bonding bare copper wire to water pipe, such as a water meter shunt

| NAED NUMBER | CATALOG NUMBER | WATER PIPE SIZE (IPS) | WIRE MAX | FIG | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|-----------------------|----------|-----|---------|---------------|------|
|             |                |                       |          |     |         | WEIGHT (lbs)  | UNIT |
| 70609       | *G1S-SS        | 1/2 - 1               | #2 STR   | 4   | 50      | 10.2          | CTN  |
| 70613       | *G2S-SS        | 1 1/4 - 2             | #2 STR   | 4   | 25      | 9.03          | CTN  |

\* Not UL listed.

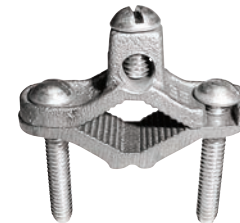


Figure 4

### Direct Burial Type

Cast bronze high-copper alloy pipe clamp with silicon bronze or stainless steel screws  
For bonding bare copper wire to water pipe, such as a water meter shunt  
UL listed for direct burial in earth or concrete, G 20-DB has armor clamp as in Fig. 2

| NAED NUMBER | CATALOG NUMBER | WATER PIPE SIZE (IPS) | WIRE MAX. | FIG | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|-----------------------|-----------|-----|---------|---------------|------|
|             |                |                       |           |     |         | WEIGHT (lbs)  | UNIT |
| 70620       | G1S-DB         | 1/2 - 1               | #2 STR    | 5   | 50      | 10.3          | CTN  |
| 70622       | *G2S-DB        | 1 1/4 - 2             | #2 STR    | 5   | 25      | 9.15          | CTN  |
| 70630       | *G20-DB        | 1/2 - 1               | #2 STR    | 2   | 50      | 11.8          | CTN  |

PLATING: For tin plating add suffix letter "P" to Catalog Numbers.

\*Not UL listed.

### Direct Burial



Figure 5

## ALUMINUM GROUNDING CLAMPS

High-strength tin-plated aluminum alloy, plated steel screws  
For bonding wire to water pipe, galvanized pipe, or steel conduit

| NAED NUMBER | CATALOG NUMBER | WATER PIPE SIZE (IPS) | WIRE MAX. | FIG | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|-----------------------|-----------|-----|---------|---------------|------|
|             |                |                       |           |     |         | WEIGHT (lbs)  | UNIT |
| 30810       | GAC1           | 1/2 - 1               | 1/0 - #14 | 6   | 25      | 3.67          | CTN  |
| 30820       | GAC2           | 1 1/4 - 2             | 250 - #6  | 6   | 10      | 3.23          | CTN  |
| 30840       | GAC4           | 2 1/2 - 4             | 250 - #6  | 6   | 4       | 3.72          | CTN  |

Dual-rated  
for aluminum or copper wire

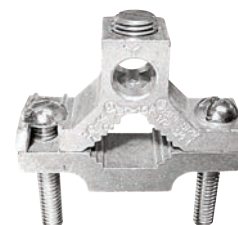


Figure 6



## GROUNDING

### GROUND ROD CLAMPS

Silicon bronze body  
Bronze or stainless steel bolt

### G SERIES

| NAED NUMBER          | CATALOG NUMBER | GROUND ROD SIZE (IN) | GROUND WIRE MAX | CTN QTY | EST. SHIPPING |      |
|----------------------|----------------|----------------------|-----------------|---------|---------------|------|
|                      |                |                      |                 |         | WEIGHT (lbs)  | UNIT |
| <b>HEAVY DUTY</b>    |                |                      |                 |         |               |      |
| 27000                | <b>G29</b>     | 3/8                  | #4 STR          | 50      | 3.2           | CTN  |
| 27010                | <b>G30</b>     | 1/2                  | #4 SOL          | 50      | 4.2           | CTN  |
| 27020                | <b>G31</b>     | 5/8                  | 1/0 SOL         | 50      | 6.1           | CTN  |
| 27030                | <b>G32</b>     | 3/4                  | #2 SOL          | 50      | 8.0           | CTN  |
| <b>* HEAVY DUTY</b>  |                |                      |                 |         |               |      |
| 27050                | <b>G120</b>    | 1/2                  | #2 STR          | 50      | 7.7           | CTN  |
| 27090                | <b>G580</b>    | 5/8                  | 1/0 STR         | 50      | 8.5           | CTN  |
| 27070                | <b>G340</b>    | 3/4                  | 1/0 STR         | 50      | 10.4          | CTN  |
| 27040                | <b>G100</b>    | 1                    | 4/0 STR         | 25      | 6.0           | CTN  |
| <b>ECONOMY CLAMP</b> |                |                      |                 |         |               |      |
| 27015                | <b>G31E</b>    | 5/8                  | #2 STR          | 50      | 4.9           | CTN  |

PLATING: For tin plating add suffix letter "P" to Catalog Numbers.  
\* For allen set screws add suffix "A" to Catalog Number.

### Tork-Away™ CLAMP

Torque-off bolt head to assure torque and tamper resistance **Brass Bolt**

| NAED NUMBER | CATALOG NUMBER | GROUND ROD SIZE (IN) | GROUND WIRE MAX | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|----------------------|-----------------|---------|---------------|------|
|             |                |                      |                 |         | WEIGHT (lbs)  | UNIT |
| 26910       | <b>*G5810B</b> | 5/8                  | 1/0 - #8 AWG    | 10      | 1.4           | CTN  |

\* G5810B not UL listed.

### UNIVERSAL and LARGE-WIRE

Extra heavy duty bronze body  
Stainless steel bolts  
More than 1½ inches of wire contact with G3435 2-bolt clamp

| NAED NUMBER | CATALOG NUMBER | GROUND ROD SIZE (IN) | GROUND WIRE RANGE | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|----------------------|-------------------|---------|---------------|------|
|             |                |                      |                   |         | WEIGHT (lbs)  | UNIT |
| 26923       | <b>*G3435</b>  | 1/2                  | #6 SOL - 350 MCM  | 5       | 5             | CTN  |
|             |                | 5/8                  | #6 SOL - 350 MCM  |         |               |      |
|             |                | 3/4                  | #2 SOL - 250 MCM  |         |               |      |
| 26924       | <b>*G3410</b>  | 1/2 - 3/4            | #8 SOL - 1/0 AWG  | 10      | 2             | CTN  |

\* Fits all size ground rods indicated.

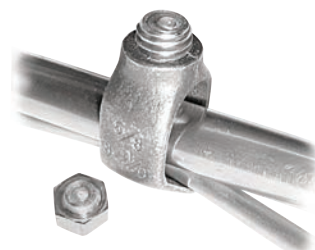
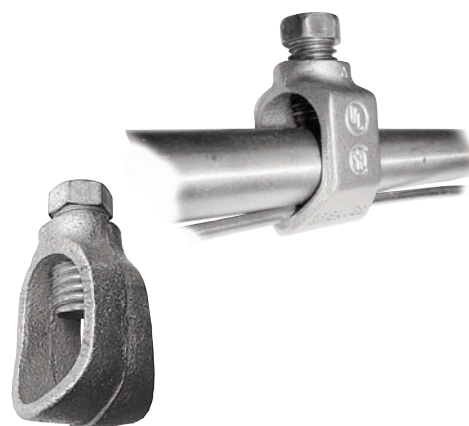
### LARGE TWO-WIRE

Bronze body, stainless steel U-bolt  
More than 1½ inches of contact area  
Fits all ground rod sizes up through 1 inch diameter

| NAED NUMBER | CATALOG NUMBER | GROUND ROD SIZE (IN) | WIRE RANGE   | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|----------------------|--|---------|---------------|------|
|             |                |                      |  |         | WEIGHT (lbs)  | UNIT |
| 26930       | <b>G1500</b>   | 1/2 - 1              | #6 - 250MCM<br>2 WIRES<br>PERPENDICULAR<br>TO ROD<br>#6 - 500MCM<br>1 WIRE<br>PARALLEL<br>TO ROD | 5       | 2             | CTN  |

Also available with Tork-Away™ Security Hardware to assure required torque and provide tamper resistance. Add "TA" to Catalog Number and contact factory for availability and price.

**Direct Burial**  
Copper wire only



G3410

**Continuous Loop**





## GROUNDING LOW-WING™ CLAMP SERIES INTERLOCKING ASSEMBLIES

### For Direct Burial Grounding and Bonding

Applications include galvanized pipe, rod, tube, fencing, rebar (#6, 3/4 inch and up)  
 Suitable for use in harsh environments such as agricultural buildings, swimming pools, food processing, marine, grounding grid  
 Interlocking teeth assure positive lock of adapter to clamp while permitting orientation of adapter in virtually any direction.  
 Corrosion-resistant high-strength cast bronze alloy body, copper straps, silicon bronze or stainless steel hardware  
 Approved for direct burial in earth or concrete  
 Replaces exothermic welding

### Direct Burial

Copper wire only  
 Continuous Loop

Wire up to #4/0 AWG  
 Pipe sizes 1/2" to 6"



## LOW-WING™ SYSTEM

Low profile lay-in design for either continuous run or termination applications  
 Replaces G140-DB HIGH-WING Series

### G150-DB SERIES

| NAED NUMBER | CATALOG NUMBER | WATER PIPE SIZE (IN) | REBAR SIZE |               | GROUND WIRE | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|----------------------|------------|---------------|-------------|---------|---------------|------|
|             |                |                      | #          | INCH          |             |         | WEIGHT (lbs)  | UNIT |
| 30755       | G 150-DB       | 1/2 - 1              | 6 - 9      | 3/4 - 1 1/8   | 4/0STR - #8 | 25      | 12.2          | CTN  |
| 30765       | G 250-DB       | 1 1/4 - 2            | 11         | 1 3/8 - 2 1/4 |             | 10      | 6.8           | CTN  |
| 30775       | G 450-DB       | 2 1/2 - 4            | -          | -             |             | 2       | 2.6           | CTN  |
| 30785       | G 650-DB       | 4 1/2 - 6            | -          | -             |             | 2       | 3.5           | CTN  |

Not for use on epoxy coated rebar





# GROUNDING

**2005 NEC Article 250.52(A)(3)** requires all “present” grounding electrodes to be bonded together to form a grounding electrode system. “Present” concrete-encased electrodes (re-enforcing bar, or rebar) and/or grounded I-beam must be included in the grounding electrode system. The result is a more effective and reliable grounding system.



**Direct Burial**  
Continuous loop  
Copper wire only

## REBAR “UFER” GROUNDING CLAMPS

Lay-in feature allows continuous loop wiring  
Bronze bodies with bronze or stainless steel hardware  
For use in other harsh environments such as swimming pool/spa, agricultural buildings, food processing, marine, communications grid and others  
Compared to compression and exothermic methods for rebar “Ufer” grounding and bonding, Greaves mechanical clamps provide fast installation and range-taking capability.  
Use to connect wire to rebar. Not for use on epoxy coated rebar.

### J-DB SERIES Jones™ Rebar Clamp

| NAED NUMBER | CATALOG NUMBER | REBAR SIZE |             | WIRE RANGE       | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|------------|-------------|------------------|---------|---------------|------|
|             |                | #          | INCH        |                  |         | WEIGHT (lbs)  | UNIT |
| 27101       | J 29-DB        | 3          | 3/8         | #6 SOL - 8 SOL   | 50      | 7.5           | CTN  |
| 27110       | J 30-DB        | 4          | 1/2         | #4 STR - 8 SOL   | 50      | 8.5           | CTN  |
| 27120       | J 31-DB        | 5          | 5/8         | 2/0 STR - *6 SOL | 25      | 5.0           | CTN  |
| 27130       | ** J 32-DB     | 4,5,6      | 1/2,5/8,3/4 | 4/0 STR - 6 SOL  | 12      | 4.3           | CTN  |

Not for use on epoxy-coated rebar  
\*UL listed for #4 STR - #2 STR  
\*\*Not UL listed.

Use to connect wire to galvanized water pipe, rod, tube, fence post, or rebar  
Orient head in any direction - lock in position with serrated teeth

### G150-DB SERIES LOW-WING™ System

| NAED NUMBER | CATALOG NUMBER | REBAR SIZE |             | WIRE RANGE      | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|------------|-------------|-----------------|---------|---------------|------|
|             |                | #          | INCH        |                 |         | WEIGHT (lbs)  | UNIT |
| 30755       | G 150-DB       | 6 - 9      | 3/4 - 1 1/8 | 4/0STR - #10SOL | 25      | 12.2          | CTN  |
| 30765       | G 250-DB       | 11         | 1 3/8       |                 | 10      | 6.8           | CTN  |

G150-DB Series not CSA. Screws are either bronze or stainless steel.

Use to connect wire to rebar or water pipe

### GR-DB SERIES Lay-in Rebar Clamp

| NAED NUMBER | CATALOG NUMBER | REBAR SIZE |         | WIRE RANGE    | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|------------|---------|---------------|---------|---------------|------|
|             |                | #          | INCH    |               |         | WEIGHT (lbs)  | UNIT |
| 70621       | *G 1R-DB       | 3 - 8      | 3/8 - 1 | #2STR - 10SOL | 50      | 11.6          | CTN  |

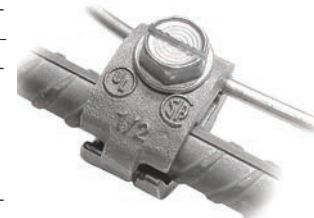
\*Not CSA.

Use to connect wire to galvanized water pipe, conduit, rod, tube, fence post, or rebar  
Connects wire either parallel or 90° to pipe

### C100 SERIES U-Bolt Clamp

| NAED NUMBER | CATALOG NUMBER | REBAR SIZE |             | GROUND WIRE | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|------------|-------------|-------------|---------|---------------|------|
|             |                | #          | INCH        |             |         | WEIGHT (lbs)  | UNIT |
| 25020       | C 101          | 3 - 5      | 3/8 - 5/8   |             |         | 0.48          | EA   |
| 25080       | C 104          | 4 - 6      | 1/2 - 3/4   |             |         | 0.54          | EA   |
| 25160       | C 108          | 7 - 8      | 7/8 - 1     | 2/0 - #4    | EA      | 0.49          | EA   |
| 25260       | C 114          | 7 - 11     | 7/8 - 1 3/8 |             |         | 0.66          | EA   |
| 25360       | C 120          | 8 - 12     | 1 - 1 1/2   |             |         | 0.80          | EA   |

See C100 Series for complete listing of sizes.



**R**



**E**

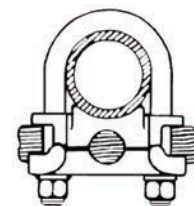
**B**

Lay-in  
Capability



**A**

**R**



Parallel or 90°  
connection to  
rod or pipe

2005 NEC 250.52(A)(3) requires bonding all “present” grounding electrodes, including concrete-encased electrodes (Ufer).





GREAVES EXCLUSIVE

**POOL and SPA**

**“Jones Bond™” system**

**CONTINUOUS LOOP BONDING & GROUNDING**

Swimming pools / spas, foundation footings, agricultural buildings and other difficult environments

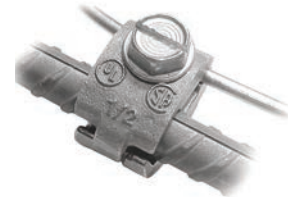
**JONES REBAR CLAMP**

Connect grounding electrode conductor to rebar (concrete encased electrode) for Ufer ground  
 Rugged and compact with no awkward projections - easy coverage in concrete  
 Lay-in feature allows continuous-run or termination  
 Cast bronze body with stainless steel hardware  
 The J32-DB handles a range of rebar sizes and wire sizes  
 CSA (C US) certified and UL listed for direct burial in earth or concrete

**Rebar Clamp**

| NAED NUMBER | CATALOG NUMBER | WIRE RANGE        | REBAR SIZE |             | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|-------------------|------------|-------------|---------|---------------|------|
|             |                |                   | #          | INCH        |         | WEIGHT (lbs)  | UNIT |
| 27101       | J 29-DB        | 6 SOL - #8        | 3          | 3/8         | 50      | 7.74          | CTN  |
| 27110       | J 30-DB        | 4 STR - #8 SOL    | 4          | 1/2         | 50      | 8.49          | CTN  |
| 27120       | J 31-DB        | 2/0 STR - *#6 SOL | 5          | 5/8         | 25      | 5.66          | CTN  |
| 27130       | ** J 32-DB     | 4/0 STR - #6 SOL  | 4,5,6      | 1/2,5/8,3/4 | 12      | 4.18          | CTN  |

J-series clamps are designed for bare rebar only  
 Do not use on ground rod, pipe, or epoxy-coated rebar  
 Installation torque 150 in-lbs  
 \*UL listed for #4 STR - #2 STR  
 \*\*Not UL listed



**Direct Burial**  
 Continuous loop  
 Copper wire only



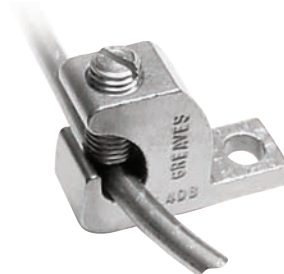
**BEAVER TOOTH LUG**

Use on electrical equipment, pool/spa equipment, conduit bushings  
 Copper body, stainless steel screw, for use with copper wire only

**Lay-in-Lug**

| NAED NUMBER | CATALOG NUMBER | WIRE RANGE | BOLT SIZE | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|------------|-----------|---------|---------------|------|
|             |                |            |           |         | WEIGHT (lbs)  | UNIT |
| 27201       | BTL 4-DB       | #4 -14 AWG | #10       | 50      | 3.06          | CTN  |
| 27202       | BTL 4-DBP      | #4 -14 AWG | #10       | 50      | 3.06          | CTN  |
| 27205       | BTL 414-DB     | #4 -14 AWG | 1/4       | 50      | 3.89          | CTN  |
| 27206       | BTL 414-DBP    | #4 -14 AWG | 1/4       | 50      | 3.89          | CTN  |

DBP is tin-plated for use on aluminum pool structure. Use of oxide-inhibitor is recommended.



**Direct Burial**  
 Copper wire only



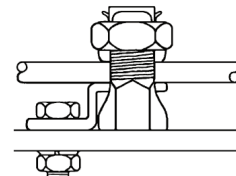
**BUGLUGS™**

Heavy duty silicon bronze and copper, tin-plated

**Lay-in-Lug**

| NAED NUMBER | CATALOG NUMBER | WIRE MAX | MOUNTING BOLT SIZE | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|----------|--------------------|---------|---------------|------|
|             |                |          |                    |         | WEIGHT (lbs)  | UNIT |
| 70850       | BL 6           | #6       | #10                | 50      | 2.92          | CTN  |
| 70855       | BL 4           | #4       | 1/4                | 50      | 4.40          | CTN  |
| 70860       | *BL 2          | #2       | 1/4                | 50      | 5.80          | CTN  |
| 70865       | *BL 1/0        | 1/0      | 5/16               | 25      | 5.27          | CTN  |

Tin-plated for use on aluminum pool structure. Use of oxide-inhibitor is recommended. \*Not CSA



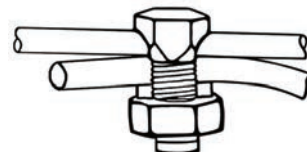
**Direct Burial**  
 Copper wire only



**MESH-BUG™**

Use to connect copper conductor to wire mesh  
 Copper-alloy bronze construction  
 Sizes available for rolled (#10) and heavy (#6) wire mesh  
 UL listed for direct burial in earth and concrete

| NAED NUMBER | CATALOG NUMBER | MESH/ WIRE SIZE | COPPER COND. RANGE (AWG) | EST. SHIPPING |      |
|-------------|----------------|-----------------|--------------------------|---------------|------|
|             |                |                 |                          | WEIGHT (lbs)  | UNIT |
| 10131       | A2-DB          | #10             | #8 -12 AWG               | 0.03          | EA   |
| 10132       | A3-DB          | #10             | #6 SOL - 8 AWG           | 0.05          | EA   |
| 10241       | A5-DB          | #6, #10         | #4 AWG - 8 SOL           | 0.06          | EA   |
| 10361       | A8-DB          | #2              | #2 - 6 AWG               | 0.11          | EA   |
| 10261       | A10-DB         | #1/0            | #1/0 - 4 AWG             | 0.16          | EA   |



**Direct Burial**  
 Copper wire only





## POOL and SPA

# "Jones Bond™" System

**Direct Burial**

Copper wire only

## GROUND ROD CLAMPS

For connecting ground wire to ground rod

Cast bronze body with silicon bronze bolt

UL listed for direct burial in earth and concrete

| NAED NUMBER | CATALOG NUMBER | GROUND ROD SIZE (IN) | GROUND WIRE MAX | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|----------------------|-----------------|---------|---------------|------|
|             |                |                      |                 |         | WEIGHT (lbs)  | UNIT |
| 27000       | G 29           | 3/8                  | #4 STR          | 50      | 3.3           | CTN  |
| 27010       | G 30           | 1/2                  | #4 SOL          | 50      | 4.2           | CTN  |
| 27015       | G 31E          | 5/8                  | #2 STR          | 50      | 4.9           | CTN  |
| 27020       | G 31           | 5/8                  | 1/0 SOL         | 50      | 5.6           | CTN  |
| 27030       | G 32           | 3/4                  | #2 SOL          | 50      | 6.7           | CTN  |
| 27040       | G 100          | 1                    | 4/0 STR         | 25      | 7.6           | CTN  |



## PIPE CLAMPS

For connecting ground wire to water pipe

Cast bronze body, silicon bronze or stainless steel screws

UL listed for direct burial in earth and concrete

| NAED NUMBER | CATALOG NUMBER | WATER PIPE SIZE (IPS) | GROUND WIRE MAX | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|-----------------------|-----------------|---------|---------------|------|
|             |                |                       |                 |         | WEIGHT (lbs)  | UNIT |
| 70620       | G 1S-DB        | 1/2 - 1               | #2 STR          | 50      | 9.5           | CTN  |
| 70622       | G 2S-DB        | 1 1/4 - 2             | #2 STR          | 25      | 9.0           | CTN  |



**Direct Burial**



## U-BOLT CLAMPS

Heavy Duty U-bolt Clamps

Use to connect wire to pipe, rod, or fence posts

Cast bronze bodies with silicon bronze hardware

CSA Certified for direct burial in earth and concrete

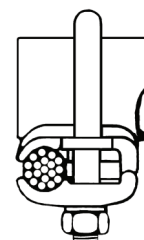
| NAED NUMBER | CATALOG NUMBER | ROD SIZE (IN) | WATER PIPE SIZE (IPS) | CABLE RANGE | EST. SHIPPING |      |
|-------------|----------------|---------------|-----------------------|-------------|---------------|------|
|             |                |               |                       |             | WEIGHT (lbs)  | UNIT |
| 25020       | C 101          | 1/2           | 1/4                   |             | 0.5           | EA   |
| 25080       | C 104          | 5/8 - 3/4     | 3/8                   | 2/0 - #4    | 0.6           | EA   |
| 25160       | C 108          | 7/8 - 1       | 1/2 - 3/4             |             | 0.6           | EA   |
| 25260       | C 114          | -             | 1                     |             | 0.7           | EA   |
| 25360       | C 120          | -             | 1 1/4                 | 2/0 - #4    | 0.9           | EA   |
| 25560       | C 132          | -             | 2                     |             | 1.0           | EA   |
| 71245       | C 142          | -             | 3                     |             | 1.5           | EA   |

See C100 Series for complete listing of sizes.

PLATING: For tin plating of above items add suffix "P" to Catalog Number.

**Direct Burial**

Continuous Loop



Parallel or 90° connection to rod or pipe

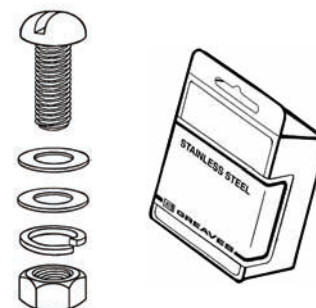
## STAINLESS STEEL HARDWARE KITS

Sets of stainless steel screws, washers, and nuts

Use to mount BTL-DB and BL Series lugs to equipment

Each kit packaged in clear plastic display box

| NAED NUMBER | CATALOG NUMBER | SCREW  |        | KIT CONTENTS |              |           | EST. SHIPPING |      |     |
|-------------|----------------|--------|--------|--------------|--------------|-----------|---------------|------|-----|
|             |                | SIZE   | L (IN) | SCREWS       | WASHERS FLAT | NUTS LOCK | WEIGHT (lbs)  | UNIT |     |
| 27221       | SS 10-A        | 10-24  | 1/2    | 50           | 100          | 50        | 50            | .4   | KIT |
| 27223       | SS 10-B        |        | 3/4    |              |              |           |               | .5   | KIT |
| 27225       | SS 10-C        |        | 1      |              |              |           |               | .6   | KIT |
| 27226       | SS 10-D        |        | 1 1/4  |              |              |           |               | .6   | KIT |
| 27231       | SS 0-A         | 1/4-20 | 1/2    | 25           | 50           | 25        | 25            | .6   | KIT |
| 27233       | SS 0-B         |        | 3/4    |              |              |           |               | .7   | KIT |
| 27235       | SS 0-C         |        | 1      |              |              |           |               | .8   | KIT |
| 27237       | SS 0-D         |        | 1 1/2  |              |              |           |               | .9   | KIT |



**Direct Burial**

For larger sizes of stainless steel or silicon bronze see hardware section.



## POOL and SPA EQUIPOTENTIAL BONDING

### COPPER BONDING MESH KITS

Use to provide equipotential bonding grid

- under pool perimeter surfaces,
- under paving stones or concrete

Fulfills 2008 NEC Article 680.26(B)(1)(b) requirements

Made of #8AWG solid copper with exothermically welded joints

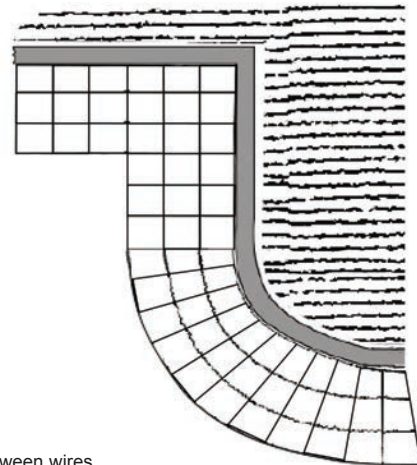
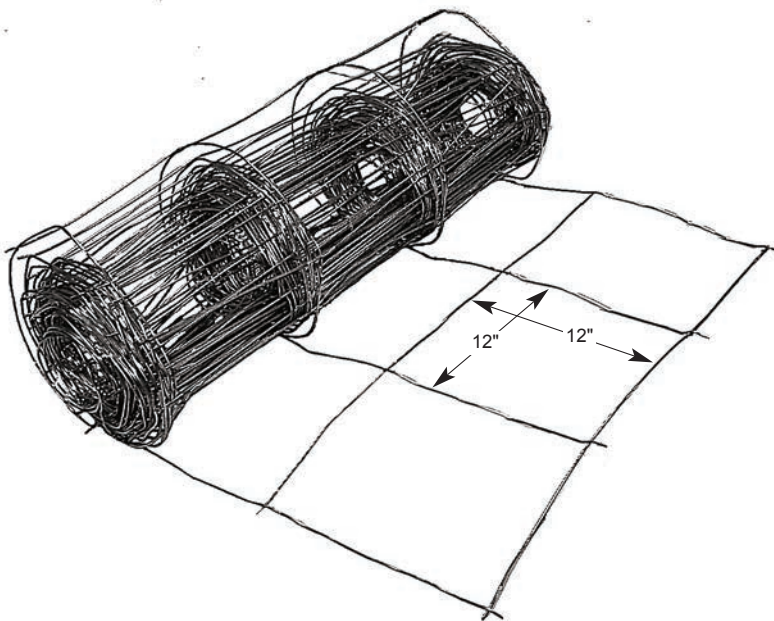
Kits include hardware listed below

Each kit is individually boxed



**2008 NEC Article 680.26(B)(1)(b) and 680.26(B)(2) excerpts:**

- A copper conductor grid shall be provided and
- be constructed of minimum 8 AWG bare copper conductors bonded to each other at all points of crossing
  - be arranged in a 300mm (12 in) by 300mm (12 in) network of conductors in a uniformly spaced perpendicular grid pattern with a tolerance of 100mm (4 in)
  - the perimeter surface shall extend for 1 m (3 ft) horizontally beyond the inside walls of the pool and shall include unpaved surfaces as well as poured concrete and other types of paving.



W = width  
L = length  
S = distance between wires

### CBM SERIES

| NAED NUMBER | CATALOG NUMBER | WIRE MAT'L | MESH DIMENSIONS |        |        | KIT CONTENTS |             |        | EST. SHIPPING |      |
|-------------|----------------|------------|-----------------|--------|--------|--------------|-------------|--------|---------------|------|
|             |                |            | W (FT)          | L (FT) | S (IN) | CLAMP        | SPLIT BOLTS | STAKES | WEIGHT (lbs)  | UNIT |
| 27410       | CBM35K         | #8CU       | 3               | 50     | 12     | 1            | 9           | 16     | 22            | EA   |
| 27415       | CBM310K        | #8CU       | 3               | 100    | 12     | 1            | 17          | 16     | 43            | EA   |

#### INSTALLATION

- 1 - Unroll into position. Use holding stakes to assist one-man work.
- 2 - Bond to rebar with rebar clamp provided (accepts two #8 wires), or Jones Rebar clamp #J29-DB (3/8 rebar), or #J30-DB (1/2" rebar), or #G1R-DB (3/8" - 1" rebar).
- 3 - For contours, shape the mesh wire or cut and splice
- 4 - Bond mesh sections together with direct burial split bolts supplied or Greaves #A2-DB or #A5-DB.



## GROUNDING INTERSYSTEM BONDING TERMINATION

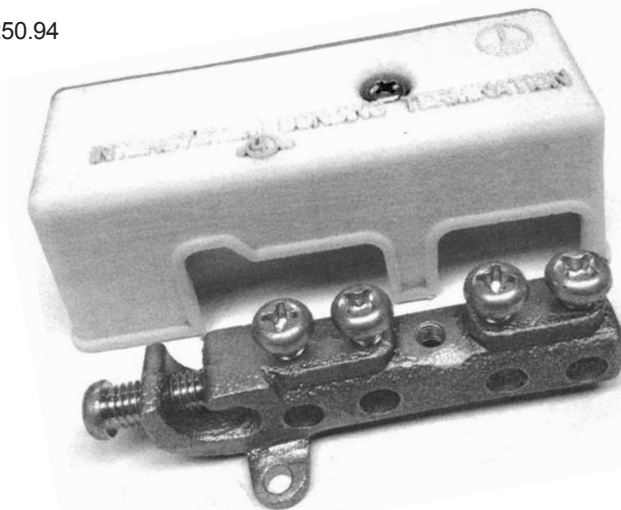
### 2008 NEC article 250.94 requirements

- An intersystem bonding termination for connecting intersystem bonding and grounding conductors required for other systems shall be provided external to enclosures at the service equipment and at the disconnecting means for any additional buildings or structures.
- The intersystem bonding termination shall be accessible for connection and inspection. The intersystem bonding termination shall have the capacity for connection of not less than three intersystem bonding conductors.
- The intersystem bonding termination device shall not interfere with opening a service or metering equipment enclosure.

Use to connect multiple intersystem conductors per NEC 250.94  
Accommodates up to 4 intersystem wires  
All hardware is stainless steel

### BONDING BAR KIT – BRONZE

Bronze bar with stainless steel set-screws  
Lay-in design for main #2-6 AWG  
Accommodates up to 4 tap wires up to #4 AWG  
Includes cover with stainless steel mounting screw  
Cover is paintable and UV rated  
Suitable for indoor or outdoor use



### GBK SERIES

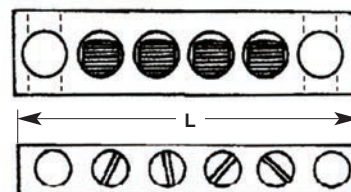
| NAED NUMBER | CATALOG NUMBER | BAR MAT'L | DIMENSIONS (IN) |     |     | KITS/ CTN | EST. SHIPPING |      |
|-------------|----------------|-----------|-----------------|-----|-----|-----------|---------------|------|
|             |                |           | W               | H   | L   |           | WEIGHT (lbs)  | UNIT |
| 27470       | GBK4-4         | BRONZE    | 4.5             | 1.6 | 1.8 | 12        | 3             | CTN  |

### METERBOX BONDING KIT

Accommodates up to 4 wires #2-14AWG  
Mount on exterior of meter box or panel  
Includes stainless steel mounting hardware  
Each kit is individually bagged  
MBKA Aluminum bar kit is suitable for indoor or dry outdoor use  
MBKC Copper bar kit is suitable for outdoor use

**Each kit contains:**

- (1) Bar with set-screws for wire connections
- (2) Mounting screws 1/4-20 X 1 1/4" stainless steel slotted head
- (2) Nuts 1/4-20 stainless steel
- (2) External-tooth countersunk lock-washers 1/4" stainless steel



### MBK SERIES

| NAED NUMBER | CATALOG NUMBER | BAR MAT'L | DIMENSIONS (IN) |     |        | MOUNTING HOLE |         | KITS/ CTN | EST. SHIPPING |      |
|-------------|----------------|-----------|-----------------|-----|--------|---------------|---------|-----------|---------------|------|
|             |                |           | W               | H   | L      | DIA           | CENTERS |           | WEIGHT (lbs)  | UNIT |
| 27450       | MBKC2-4        | CU        | 3/8             | 5/8 | 2 7/16 | 1/4 CLEAR     | 2 3/8   | 10        | 2             | CTN  |
| 27460       | MBKA2-4        | AL        | 3/8             | 5/8 | 2 7/16 | 1/4 CLEAR     | 2 3/8   | 10        | 1             | CTN  |

CU bar (in #MBKC2-4) is CSA certified and UL recognized.  
Screws are stainless steel (5/32 hex-socket) suitable for outdoor locations.  
Aluminum bar (in #MBKA2-4) is CSA certified. Screws are slotted-head zinc-plated mild steel.





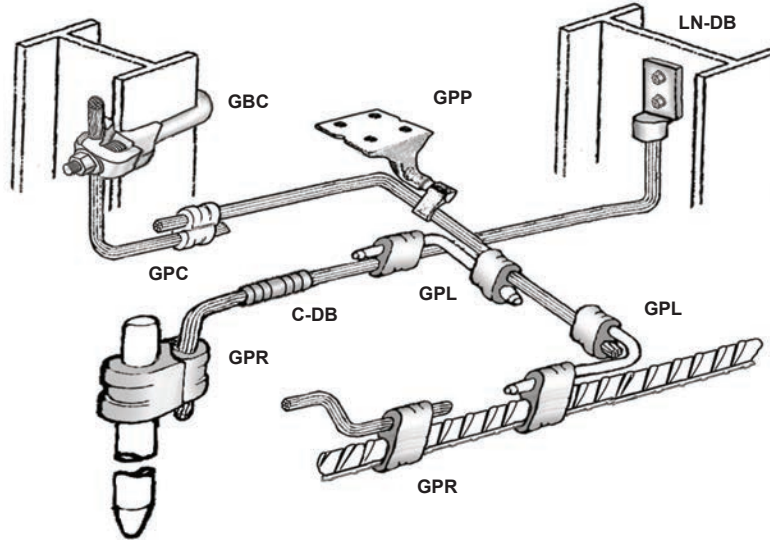
**GREAVES**

**GROUND-PRES™**

**IRREVERSIBLE COMPRESSION SYSTEM**

Irreversible compression "C tap" connectors for direct burial grounding grid applications

**Direct Burial**



Tap or lap-splice for wire-to-wire connections  
**GPC SERIES**

**CAUTION**  
Use of wash-off resistant oxide-inhibitor is recommended with all underground joints.

| NAED NUMBER | CATALOG NUMBER | WIRE RANGE |               | DIE       | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|------------|---------------|-----------|---------|---------------|------|
|             |                | MAIN       | TAP           |           |         | WEIGHT (lbs)  | UNIT |
| 12946       | GPC46          | #4STR-6SOL | #6STR-6SOL    | BG or 5/8 | 50      | 2.3           | CTN  |
| 12944       | GPC44          |            | #4STR-4SOL    |           | 50      | 2.4           | CTN  |
| 12926       | GPC26          | #2STR-2SOL | #6STR-8SOL    | C         | 25      | 2.3           | CTN  |
| 12922       | GPC22          |            | #2STR-2SOL    |           | 25      | 2.3           | CTN  |
| 12920       | GPC2020        | 2/0-1/0STR | 2/0STR-1/0SOL | O         | 10      | 4.1           | CTN  |
| 12923       | GPC2520        | 250-3/0    | 2/0-6SOL      | 997       | 10      | 2.3           | CTN  |
| 12924       | GPC2525        |            | 250-3/0       |           | 10      | 2.6           | CTN  |
| 12942       | GPC4020        | 4/0-3/0SOL | 2/0STR-1/0SOL | F or D3   | 10      | 3.8           | CTN  |
| 12940       | GPC4040        |            | 4/0STR-3/0SOL |           | 10      | 3.3           | CTN  |



Tap or lap-splice for ground rod-to-wire or wire-to-wire connections  
**GPR SERIES**

| NAED NUMBER | CATALOG NUMBER | MAIN     |                | TAP           | DIE | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|----------|----------------|---------------|-----|---------|---------------|------|
|             |                | ROD      | WIRE           | WIRE          |     |         | WEIGHT (lbs)  | UNIT |
| 12822       | GPR122         | 1/2, 5/8 | 250MCM-1/0 STR | #2STR-4SOL    | 997 | 10      | 3.2           | CTN  |
| 12823       | GPR1220        |          |                | 2/0-1/0STR    |     | 10      | 3.0           | CTN  |
| 12824       | GPR1225        |          |                | 250MCM-3/0STR |     | 10      | 2.6           | CTN  |
| 12834       | GPR342         | 5/8, 3/4 | 500-250MCM     | #2STR-4SOL    | 998 | 10      | 4.7           | CTN  |
| 12835       | GPR3420        |          |                | 2/0-1/0STR    |     | 10      | 4.6           | CTN  |
| 12836       | GPR3425        |          |                | 250MCM-3/0STR |     | 10      | 4.2           | CTN  |
| 12837       | GPR3450        |          |                | 500MCM3/0STR  |     | 5       | 5.0           | CTN  |



Perpendicular configuration for ground rod-to-wire or wire-to-wire connections  
**GPL SERIES**

| NAED NUMBER | CATALOG NUMBER | ROD      | A            |            | B    |     | DIE | CTN QTY | EST. SHIPPING |              |
|-------------|----------------|----------|--------------|------------|------|-----|-----|---------|---------------|--------------|
|             |                |          | WIRE         | WIRE       | WIRE | A   |     |         | B             | WEIGHT (lbs) |
| 12722       | GPL22          | —        | #2STR-6SOL   | #2STR-6SOL | O    | O   | 4   | 1.8     | CTN           |              |
| 12723       | GPL122         | 1/2, 5/8 | 250MCM-1STR  | #2STR-6SOL | 997  | O   | 4   | 2.3     | CTN           |              |
| 12724       | GPL1225        |          | 250MCM-#2STR | 250MCM-#2  | 997  | 997 | 2   | 1.7     | CTN           |              |
| 12734       | GPL342         | 5/8, 3/4 | 500-250MCM   | #2STR-6SOL | 998  | O   | 2   | 2.2     | CTN           |              |
| 12735       | GPL3425        |          |              | 250MCM-#2  | 998  | 997 | 2   | 2.2     | CTN           |              |
| 12736       | GPL3450        |          |              | 500-250MCM | 999  | 999 | 2   | 3.6     | CTN           |              |



Hydraulic tool required for installation for all except GPL22.



## GROUND-PRES™

### IRREVERSIBLE COMPRESSION SYSTEM

#### COMPRESSION GROUND TERMINAL

Irreversible compression terminal for direct burial grounding grid applications

Seamless high-conductivity copper

NEMA bolt spacing – for 1/2" bolts on 1 3/4" centers

Pre-filled with oxide inhibitor and capped

**Direct Burial**

Copper wire only

#### L-NDB SERIES

| NAED NUMBER | CATALOG NUMBER | WIRE SIZE | U-TYPE DIE |        | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|-----------|------------|--------|---------|---------------|------|
|             |                |           | COLOR      | INDEX  |         | WEIGHT (lbs)  | UNIT |
| 34100       | L10NDB         | 1/0       | PINK       | 12/348 | 10      | 1.59          | CTN  |
| 34200       | L20NDB         | 2/0       | BLACK      | 13     | 10      | 1.98          | CTN  |
| 34300       | L30NDB         | 3/0       | ORANGE     | 14     | 10      | 2.24          | CTN  |
| 34400       | L40NDB         | 4/0       | PURPLE     | 15     | 10      | 2.76          | CTN  |
| 34250       | L250NDB        | 250MCM    | YELLOW     | 16     | 10      | 3.54          | CTN  |
| 34350       | L350NDB        | 350MCM    | RED        | 18/324 | 6       | 3.12          | CTN  |
| 34500       | L500NDB        | 500MCM    | BROWN      | 20/299 | 6       | 5.00          | CTN  |



#### COMPRESSION GROUND SPLICE

Irreversible compression splice for direct burial grounding applications

Seamless high-conductivity copper

Two inspection holes, one for each wire

Pre-filled with oxide-inhibitor and capped

#### C-DB SERIES

| NAED NUMBER | CATALOG NUMBER | WIRE SIZE | U-TYPE DIE |        | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|-----------|------------|--------|---------|---------------|------|
|             |                |           | COLOR      | INDEX  |         | WEIGHT (lbs)  | UNIT |
| 34101       | C10DB          | 1/0       | PINK       | 12/348 | 10      | 1.20          | CTN  |
| 34201       | C20DB          | 2/0       | BLACK      | 13     | 10      | 1.45          | CTN  |
| 34301       | C30DB          | 3/0       | ORANGE     | 14     | 10      | 1.56          | CTN  |
| 34401       | C40DB          | 4/0       | PURPLE     | 15     | 10      | 1.71          | CTN  |
| 34251       | C250DB         | 250MCM    | YELLOW     | 16     | 10      | 2.50          | CTN  |
| 34351       | C350DB         | 350MCM    | RED        | 18/324 | 6       | 1.09          | CTN  |
| 34501       | C500DB         | 500MCM    | BROWN      | 20/299 | 6       | 4.00          | CTN  |



#### COMPRESSION GROUND PLATE

Irreversible compression ground plate for direct burial grounding applications

Body cast of high-strength, high-conductivity high-copper alloy

NEMA spacing for tapped lug-mounting holes for 1/2" bolts on 1 3/4" centers on floor side

Copper compression element of pure wrought copper, pre-filled with oxide-inhibitor

Tapped positioning hole on underside of plate

Plastic plugs provided in tapped holes

#### GPP SERIES

| NAED NUMBER | CATALOG NUMBER | WIRE RANGE | DIE   | MOUNTING HOLES | POSITIONING HOLE | CTN QTY | EST. SHIPPING WEIGHT (lbs) | UNIT |
|-------------|----------------|------------|-------|----------------|------------------|---------|----------------------------|------|
| 12622       | GPP250-2N      | 250MCM-#2  | U997* | (2) 1/2-13     | 3/8-16**         | 1       | 2.50                       | EA   |
| 12624       | GPP250-4N      |            |       | (4) 1/2-13     |                  | 1       | 2.73                       | EA   |

\*PT6515 adapter required with some tools.

\*\* 3/8-16 is standard; others available.



# GROUNDING

Copper wire only

## I-BEAM GROUNDING CLAMPS – BRONZE

To connect grounding electrode conductor to structural I-beam or metal frame  
 Can also be used on fence posts, trailer frames, cable tray  
 Series covers a wide range of beam and wire sizes  
 Eliminates drilling structural steel  
 Replaces exothermic welding

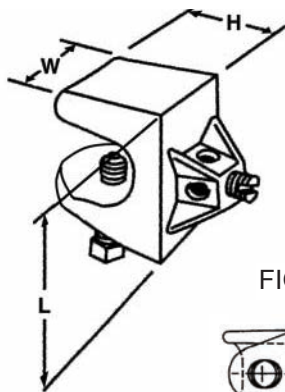
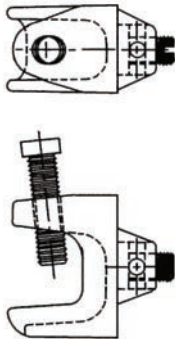


FIG. 1



Continuous loop

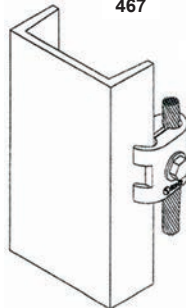
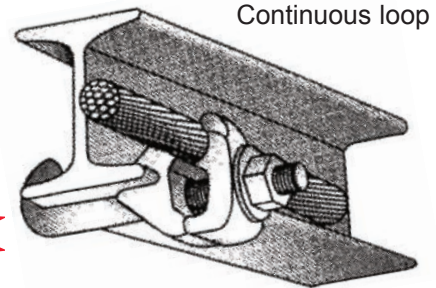
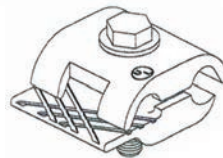
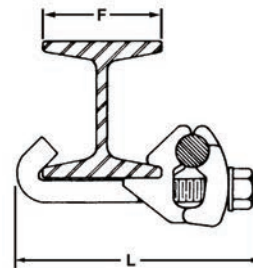


FIG. 2



Continuous loop

FIG. 3



### GBCH

High strength copper-alloy bronze casting  
 Steel screws, zinc plated  
 For stainless steel screws specify GBCH6-SS  
 Screw penetrates paint or oxide  
 UL (CU only)

### GBCL

Cast high-copper alloy bronze body  
 Stainless steel hardware  
 Use on I-beam flange up to 1/2" thick  
 Suitable for direct burial in earth and concrete  
 Clean the beam surface before installation for electrical contact  
 UL listed for both grounding and lightning protection

### GBC40

High strength copper-alloy bronze casting  
 Hardware, zinc plated steel or stainless steel  
 Shape of hook may vary by size  
 Clean beam surface before installation for electrical contact

## GBC SERIES

| NAED NUMBER | CATALOG NUMBER | BEAM FLANGE (IN) |           | WIRE RANGE<br>MAX - MIN | DIMENSIONS (IN) |        |        | FIG. | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|------------------|-----------|-------------------------|-----------------|--------|--------|------|---------|---------------|------|
|             |                | F                | TH        |                         | W               | L      | H      |      |         | WEIGHT (lbs)  | UNIT |
| 27190       | GBCH6          | -                | 5/8 MAX   | #6 - #14AWG             | 1               | 1 9/16 | 1 3/16 | 1    | 10      | 3.0           | CTN  |
| 27189       | GBCH6-SS       | -                | 5/8 MAX   | #6 - #14AWG             | 1               | 1 9/16 | 1 3/16 | 1    | 10      | 3.0           | CTN  |
| 27500       | †*GBCL         |                  | 1/4 - 1/2 | 4/0 - #6 SOL            | 1 3/4           | 2      | 1 1/2  | 2    | 10      | 4.5           | CTN  |
| 27192       | *GBC40-2       | 2                | 3/16      | 4/0 - #4STR             | 1               | 4 1/2  | 1 3/4  | 3    | 1       | 0.52          | EA   |
| 27194       | *GBC40-4       | 4                | 1/4       | 4/0 - #4STR             | 1               | 6 1/2  | 1 3/4  | 3    | 1       | 0.57          | EA   |
| 27196       | *GBC40-6       | 6                | 5/16      | 4/0 - #4STR             | 1               | 8 1/2  | 1 3/4  | 3    | 1       | 0.62          | EA   |
| 27198       | *GBC40-8       | 8                | 3/8       | 4/0 - #4STR             | 1               | 10 1/2 | 1 3/4  | 3    | 1       | 0.67          | EA   |

For tin plating add suffix letter "P" to Catalog Number.  
 \*Available with Tork-Away security hardware. Contact factory.  
 †Also available in aluminum. Add suffix "A" to Catalog Number.

2005 NEC 250.52(A)(2) requires bonding all "present" grounding electrodes, including I-Beams.



## GROUNDING

### I-BEAM GROUNDING CLAMPS – ALUMINUM

CU only  
Continuous Loop

Use to connect grounding electrode conductor to galvanized steel or anodized aluminum

I-beam, metal frame, cable tray

Screw penetrates I-beam surface paint or oxide for electrical contact

Eliminates drilling structural steel

Aluminum body, tin-plated

Stainless steel screws

UL 467 listed, CU only



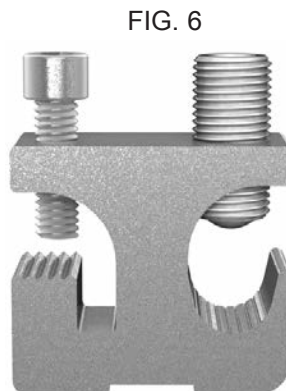
GBC2A-SS

**GBC2A-SS**  
Stainless steel screws



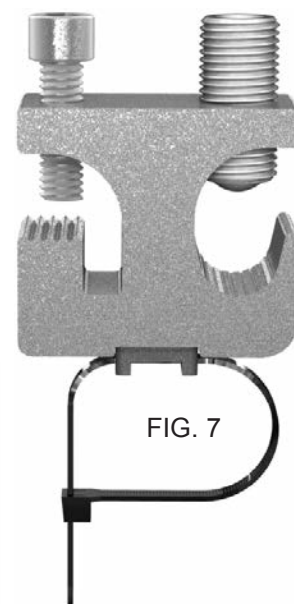
GBC2A-SST

**GBC2A-SST**  
Stainless steel screws  
Cable tie slot (.06X.19) of  
black UV resistant nylon.  
Cable ties sold separately  
UL 2703 (solar) listed in USA



GBC250A-SS

**GBC250A-SS**  
Stainless steel screws



GBC250A-SST

**GBC250A-SST**  
Stainless steel screws  
Cable tie slot (.06X.19) of  
black UV resistant nylon.  
Cable ties sold separately  
UL 2703 (solar) listed in USA

### GBCA SERIES

| NAED NUMBER | CATALOG NUMBER | FLANGE THICKNESS | WIRE RANGE      | DIMENSIONS (IN) |     |      | FIG. | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|------------------|-----------------|-----------------|-----|------|------|---------|---------------|------|
|             |                |                  |                 | W               | L   | H    |      |         | WEIGHT (lbs)  | UNIT |
| 27171       | GBC2A-SS       | .06 - 3/8        | #14AWG - #2 STR | 1.5             | .62 | 1.21 | 4    | 10      | 1.3           | CTN  |
| 27172       | GBC2A-SST      | .06 - 3/8        | #14AWG - #2 STR | 1.5             | .62 | 1.4  | 5    | 10      | 1.4           | CTN  |
| 27174       | GBC250A-SS     | .08 - .575       | #6AWG - 250MCM  | 2               | .87 | 1.8  | 6    | 10      | 2.8           | CTN  |
| 27176       | GBC250A-SST    | .08 - .575       | #6AWG - 250MCM  | 2               | .87 | 2.0  | 7    | 10      | 2.9           | CTN  |





## GROUNDING

### U-BOLT GROUND CLAMP CONNECTORS

Heavy Duty – Bronze Castings for Strength and Ruggedness

Use to connect wire to pipe, rod, or fence posts  
 High copper alloy bronze castings with silicon bronze hardware  
 Suitable for direct burial in earth or concrete

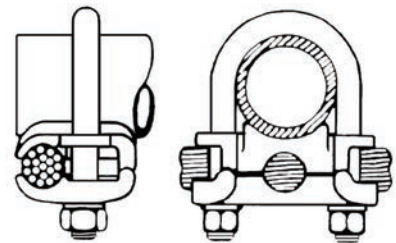
#### Direct Burial

Continuous Loop  
 Copper wire only



### C100 SERIES

| NAED NUMBER | CATALOG NUMBER | ROD SIZE (IN) | PIPE SIZE IPS (O.D.)          | CABLE RANGE | EST. SHIPPING |      |
|-------------|----------------|---------------|-------------------------------|-------------|---------------|------|
|             |                |               |                               |             | WEIGHT (lbs)  | UNIT |
| 25000       | C 100          | 1/2           | 1/4"<br>(.54)                 | #4 - 8      | 0.39          | EA   |
| 25020       | • C 101        |               |                               | 2/0 - #4    | 0.48          | EA   |
| 25040       | C 102          |               |                               | 250 - 2/0   | 0.68          | EA   |
| 25060       | C 103          | 5/8 - 3/4     | 3/8"<br>(.675)                | #4 - 8      | 0.45          | EA   |
| 25080       | • C 104        |               |                               | 2/0 - #4    | 0.54          | EA   |
| 25100       | • C 105        |               |                               | 250 - 2/0   | 0.66          | EA   |
| 25120       | C 106          |               |                               | 500 - 300   | 1.48          | EA   |
| 25140       | C 107          |               |                               | #4 - 8      | 0.51          | EA   |
| 25160       | • C 108        | 7/8 - 1       | 1/2" - 3/4"<br>(.84) - (1.05) | 2/0 - #4    | 0.49          | EA   |
| 25180       | C 109          |               |                               | 250 - 2/0   | 0.60          | EA   |
| 25200       | • C 110        |               |                               | 500 - 300   | 0.93          | EA   |
| 25240       | C 113          |               |                               | #4 - 8      | 0.44          | EA   |
| 25260       | • C 114        | -             | 1"<br>(1.315)                 | 2/0 - #4    | 0.66          | EA   |
| 25280       | • C 115        |               |                               | 250 - 2/0   | 0.66          | EA   |
| 25300       | C 116          |               |                               | 500 - 300   | 1.72          | EA   |
| 25340       | • C 119        | -             | 1 1/4"<br>(1.66)              | #4 - 8      | 0.77          | EA   |
| 25360       | • C 120        |               |                               | 2/0 - #4    | 0.80          | EA   |
| 25380       | • C 121        |               |                               | 250 - 2/0   | 0.82          | EA   |
| 25400       | C 122          |               |                               | 500 - 300   | 2.01          | EA   |
| 25440       | C 125          | -             | 1 1/2"<br>(1.90)              | #4 - 8      | 0.75          | EA   |
| 25460       | C 126          |               |                               | 2/0 - #4    | 0.80          | EA   |
| 25480       | • C 127        |               |                               | 250 - 2/0   | 0.98          | EA   |
| 25500       | • C 128        |               |                               | 500 - 300   | 1.56          | EA   |
| 25540       | • C 131        |               |                               | #4 - 8      | 0.80          | EA   |
| 25560       | • C 132        | -             | 2"<br>(2.375)                 | 2/0 - #4    | 0.99          | EA   |
| 71200       | • C 133        |               |                               | 250 - 2/0   | 1.06          | EA   |
| 71205       | C 134          |               |                               | 500 - 300   | 1.90          | EA   |
| 71215       | C 136          | -             | 2 1/2"<br>(2.875)             | #4 - 8      | 1.07          | EA   |
| 71220       | C 137          |               |                               | 2/0 - #4    | 1.21          | EA   |
| 71225       | C 138          |               |                               | 250 - 2/0   | 1.69          | EA   |
| 71230       | C 139          |               |                               | 500 - 300   | 2.50          | EA   |
| 71240       | C 141          |               |                               | #4 - 8      | 1.26          | EA   |
| 71245       | • C 142        | -             | 3"<br>(3.5)                   | 2/0 - #4    | 1.45          | EA   |
| 71250       | C 143          |               |                               | 250 - 2/0   | 1.85          | EA   |
| 71255       | C 144          |               |                               | 500 - 300   | 2.89          | EA   |
| 71265       | C 146          |               |                               | #4 - 8      | 1.40          | EA   |
| 71270       | C 147          | -             | 3 1/2"<br>(4.0)               | 2/0 - #4    | 1.60          | EA   |
| 71275       | C 148          |               |                               | 250 - 2/0   | 2.01          | EA   |
| 71280       | C 149          |               |                               | 500 - 300   | 3.00          | EA   |
| 71290       | C 151          |               |                               | #4 - 8      | 1.97          | EA   |
| 71300       | • C 152        | -             | 4"<br>(4.5)                   | 2/0 - #4    | 1.97          | EA   |
| 71305       | C 153          |               |                               | 250 - 2/0   | 2.23          | EA   |
| 71310       | C 154          |               |                               | 500 - 300   | 3.30          | EA   |



Connects one wire parallel or perpendicular to rod or pipe

#### Heavy Duty

Pipe sizes 1/4" to 4" IPS  
 Wire #8 to 500 MCM

#### Applications

- Water Pipe
- Metallic Fencing
- Ground Rods
- Grounding Grids
- Rebar

For sizes not listed contact factory for availability.  
 PLATING: For tin plating add suffix "P" to Catalog Numbers, contact factory for price and availability.  
 Sizes with "\*" before Catalog Number are CSA only.



## GROUNDING

### LARGE PIPE CLAMPS

Extra heavy-duty bronze castings for strength and ruggedness

Use to connect wire to pipe or fence posts

Clamp first to pipe, then attach wire with cover piece

Separate bolts for mounting on pipe and connecting wire

High copper alloy bronze castings with silicon bronze or stainless steel hardware

Suitable for direct burial in earth or concrete

### Direct Burial

Continuous Loop

Copper wire only

### CG SERIES

| NAED NUMBER | CATALOG NUMBER | PIPE SIZE IPS (O.D.)     | CABLE RANGE | FIG. | EST. SHIPPING |      |
|-------------|----------------|--------------------------|-------------|------|---------------|------|
|             |                |                          |             |      | WEIGHT (lbs)  | UNIT |
| 25624       | CG 2050        | 2" (2.375)               | 500 - 300   | 1    | 1.6           | EA   |
| 25623       | CG 2052        |                          | 500 - #2    | 2    | 2.0           | EA   |
| 25620       | CG 2010        |                          | 1000 - #2   | 2    | 5.8           | EA   |
| 25625       | CG 2604        | 2-1/2" (2.875)           | #4 - 8      | 1    | .7            | EA   |
| 25626       | CG 2622        |                          | 2/0 - #4    | 1    | .9            | EA   |
| 25627       | CG 2625        |                          | 250 - 2/0   | 1    | 1.1           | EA   |
| 25628       | CG 2650        |                          | 500 - 300   | 1    | 1.8           | EA   |
| 25629       | CG 2610        |                          | 1000 - #2   | 2    | 6.0           | EA   |
| 25633       | CG 3125        | 3" (3.5)                 | 250 - 2/0   | 1    | 1.3           | EA   |
| 25634       | CG 3150        |                          | 500 - 300   | 1    | 2.4           | EA   |
| 25635       | CG 3175        |                          | 750 - 550   | 1    | 3.5           | EA   |
| 25630       | CG 3110        |                          | 1000 - #2   | 2    | 6.6           | EA   |
| 25673       | CG 3625        | 3-1/2" (4.0)             | 250 - 2/0   | 1    | 1.3           | EA   |
| 25674       | CG 3650        |                          | 500 - 300   | 1    | 2.4           | EA   |
| 25675       | CG 3675        |                          | 750 - 550   | 1    | 3.6           | EA   |
| 25676       | CG 3610        |                          | 1000 - #2   | 2    | 7.3           | EA   |
| 25677       | CG 4125        | 4" (4.5)                 | 250 - 2/0   | 1    | 1.5           | EA   |
| 25678       | CG 4150        |                          | 500 - 300   | 1    | 2.6           | EA   |
| 25679       | CG 4175        |                          | 750 - 550   | 1    | 3.8           | EA   |
| 25680       | CG 4110        |                          | 1000 - #2   | 2    | 8.5           | EA   |
| 25647       | CG 4625        | 4-1/2" (5.0)             | 250 - #6    | 2    | 7.9           | EA   |
| 25648       | CG 4650        |                          | 500 - #2    | 2    | 8.6           | EA   |
| 25649       | CG 4610        |                          | 1000 - #2   | 2    | 8.9           | EA   |
| 25651       | CG 5122        | 5" (5.563)               | 2/0 - #4    | 1    | 1.5           | EA   |
| 25652       | CG 5125        |                          | 250 - 2/0   | 1    | 2.0           | EA   |
| 25653       | CG 5150        |                          | 500 - 300   | 1    | 3.1           | EA   |
| 25654       | CG 5175        |                          | 750 - 550   | 1    | 4.3           | EA   |
| 25650       | CG 5110        |                          | 1000 - #2   | 2    | 9.5           | EA   |
| 25661       | CG 6122        | 6" (6.625)               | 2/0 - #4    | 1    | 1.8           | EA   |
| 25662       | CG 6125        |                          | 250 - 2/0   | 1    | 2.0           | EA   |
| 25663       | CG 6150        |                          | 500 - 300   | 1    | 3.4           | EA   |
| 25664       | CG 6175        |                          | 750 - 550   | 1    | 4.7           | EA   |
| 25660       | CG 6110        |                          | 1000 - #2   | 2    | 10.8          | EA   |
| 25670       | CG 7110        | 6" Cast Iron (7.1 - 7.3) | 1000 - #2   | 2    | 7.8           | EA   |
| 25681       | CG 8125        | 8" (8.625)               | 250 - 2/0   | 1    | 2.4           | EA   |
| 25682       | CG 8150        |                          | 500 - 300   | 1    | 4.5           | EA   |
| 25683       | CG 8175        |                          | 750 - 550   | 1    | 5.3           | EA   |
| 25689       | CG 8110        |                          | 1000 - #2   | 2    | 7.8           | EA   |
| 25690       | CG 1010        | 10" (10.75)              | 1000 - #2   | 2    | 6.5           | EA   |
| 25692       | CG 1210        | 12" (12.75)              | 1000 - #2   | 2    | 8.4           | EA   |
| 25694       | CG 1410        | 14" (14.0)               | 1000 - #2   | 2    | 11.0          | EA   |
| 25696       | CG 1610        | 16" (16.0)               | 1000 - #2   | 2    | 15.0          | EA   |

Sizes for other O.D. or circumference available. For sizes not listed contact factory for delivery.

For tin plating add suffix letter "P" to Catalog Numbers.

Figure 2 also available with Tork-Away™ Security Hardware to assure required torque and provide tamper resistance. Add "TA" to Catalog Number and contact factory for availability and price.

Large pipe sizes  
2" to 16" IPS



Figure 1

Connects one wire parallel or perpendicular to pipe

Large wire sizes  
to 1000MCM



Figure 2  
Not UL listed

Connects one wire parallel to pipe



# GREAVES



## GROUNDING

### U-BOLT GROUND CLAMPS

Heavy Duty – Bronze castings for strength and ruggedness

High copper alloy tin-plated bronze castings with stainless steel U-bolts and hardware

Superior range-taking capability allows six pipe clamp sizes to supplant dozens of similar clamps

Suitable replacement for many Greaves CW and CS series U-bolt clamps, see cross reference

Accepts one or two cables, either parallel or perpendicular to pipe or rod

UL listed for both grounding and lightning protection

Suitable for direct burial in earth or concrete




### Direct Burial

Continuous Loop  
Copper wire only



### CH SERIES

### Two-Wire Parallel or Perpendicular

| NAED NUMBER | CATALOG NUMBER | CONDUCTOR RANGE WITH 1 OR 2* CABLES | CONDUCTOR RANGE W/ 2 UNEQUAL CABLES        | PIPE SIZE IPS (OD)         | EST. SHIPPING |      |  |
|-------------|----------------|-------------------------------------|--|----------------------------|---------------|------|--|
|             |                |                                     |  |                            | WEIGHT (lbs)  | UNIT |  |
| 24509       | CH 109         | 250 MCM - #6 SOL                    | 250 MCM - #2 SOL<br>OR<br>1/0 AWG - #6 SOL | 1/4 - 3/4<br>(.375 - 1)    | 0.5           | EA   | <br>1 wire parallel to pipe |
| 24521       | CH 121         | 250 MCM - #6 SOL                    | 250 MCM - #2 SOL<br>OR<br>1/0 AWG - #6 SOL | 1/2 - 1-1/2<br>(.75 - 1.7) | 0.6           | EA   |                            |
| 24533       | CH 133         | 250 MCM - #6 SOL                    | 250 MCM - #2 SOL<br>OR<br>1/0 AWG - #6 SOL | 3/4 - 2<br>(1 - 2.4)       | 0.7           | EA   |                           |
| 24543       | CH 143         | 250 MCM - #6 SOL                    | 250 MCM - #2 SOL<br>OR<br>1/0 AWG - #6 SOL | 2 - 3<br>(2.25 - 3.5)      | 1.0           | EA   |  |
| 24553       | CH 153         | 250 MCM - #6 SOL                    | 250 MCM - #2 SOL<br>OR<br>1/0 AWG - #6 SOL | 3 - 4<br>(3.2 - 4.5)       | 1.25          | EA   |                           |
| 24563       | CH 163         | 250 MCM - #6 SOL                    | 250 MCM - #2 SOL<br>OR<br>1/0 AWG - #6 SOL | 5 - 6<br>(5.63 - 6.63)     | 1.75          | EA   |  |

\*Same size.

Also available with Tork-Away™ Security Hardware to assure required torque and provide tamper-resistant conical. Add "TA" to Cat No. and contact factory for price and availability.



## GROUNDING

### U-BOLT GROUND CLAMP CONNECTORS

Heavy Duty – Bronze castings for strength and ruggedness

Use to connect wire to pipe or fence posts

High copper alloy bronze castings with silicon bronze hardware

Suitable for direct burial in earth or concrete

#### Direct Burial

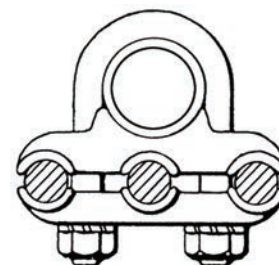
Continuous Loop

Copper wire only

### CZ SERIES

#### Three-Wire Parallel

| NAED NUMBER | CATALOG NUMBER | ROD SIZE (IN) | WATER PIPE SIZE (IPS) | CABLE RANGE | EST. SHIPPING |      |
|-------------|----------------|---------------|-----------------------|-------------|---------------|------|
|             |                |               |                       |             | WEIGHT (lbs)  | UNIT |
| 24904       | <b>CZ 104</b>  | 5/8 or 3/4    | 3/8                   | #4 - 2/0    | .93           | EA   |
| 24905       | <b>CZ 105</b>  |               |                       | 2/0 - 250   | 1.2           | EA   |
| 24908       | <b>CZ 108</b>  | 7/8 or 1      | 1/2 or 3/4            | #4 - 2/0    | 1.3           | EA   |
| 24909       | <b>CZ 109</b>  |               |                       | 2/0 - 250   | 2.1           | EA   |
| 24910       | <b>CZ 110</b>  |               |                       | 300 - 500   | 1.8           | EA   |
| 24914       | <b>CZ 114</b>  |               |                       | #4 - 2/0    | 1.3           | EA   |
| 24915       | <b>CZ 115</b>  | -             | 1                     | 2/0 - 250   | 1.3           | EA   |
| 24916       | <b>CZ 116</b>  |               |                       | 300 - 500   | 3.2           | EA   |
| 24920       | <b>CZ 120</b>  |               |                       | #4 - 2/0    | 1.5           | EA   |
| 24921       | <b>CZ 121</b>  | -             | 1 1/4                 | 2/0 - 250   | 1.6           | EA   |
| 24922       | <b>CZ 122</b>  |               |                       | 300 - 500   | 3.7           | EA   |
| 24926       | <b>CZ 126</b>  |               |                       | #4 - 2/0    | 1.5           | EA   |
| 24927       | <b>CZ 127</b>  | -             | 1 1/2                 | 2/0 - 250   | 1.83          | EA   |
| 24928       | <b>CZ 128</b>  |               |                       | 300 - 500   | 3.7           | EA   |
| 24932       | <b>CZ 132</b>  |               |                       | #4 - 2/0    | 1.9           | EA   |
| 24933       | <b>CZ 133</b>  | -             | 2                     | 2/0 - 250   | 2.6           | EA   |
| 24934       | <b>CZ 134</b>  |               |                       | 300 - 500   | 4.3           | EA   |
| 24937       | <b>CZ 137</b>  |               |                       | #4 - 2/0    | 2.3           | EA   |
| 24938       | <b>CZ 138</b>  | -             | 2 1/2                 | 2/0 - 250   | 3.2           | EA   |
| 24939       | <b>CZ 139</b>  |               |                       | 300 - 500   | 4.7           | EA   |
| 24942       | <b>CZ 142</b>  |               |                       | #4 - 2/0    | 2.7           | EA   |
| 24943       | <b>CZ 143</b>  | -             | 3                     | 2/0 - 250   | 3.5           | EA   |
| 24944       | <b>CZ 144</b>  |               |                       | 300 - 500   | 5.4           | EA   |
| 24947       | <b>CZ 147</b>  | -             | 3 1/2                 | #4 - 2/0    | 3.0           | EA   |



Connects three cables parallel to rod or pipe

### RAISED-FLOOR PEDESTAL CLAMPS

Pedestal clamp for raised computer-floor grounding grid applications

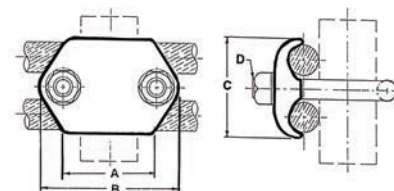
Use for signal reference grid, static ground drain, fault current ground

Accommodates one or two grounding wires

Install on round or square pedestal, as noted

Bronze high-copper alloy body and silicon bronze hardware

Suitable for direct burial in earth or concrete



Connects one or two cables perpendicular to pedestal

### CR SERIES

T = Throat of U-bolt

| NAED NUMBER | CATALOG NUMBER | PEDESTAL             |                 | CONDUCTORS |            | DIMENSIONS |      |     |     |      | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|----------------------|-----------------|------------|------------|------------|------|-----|-----|------|---------|---------------|------|
|             |                | SIZE (IN)            | TYPE            | NO.        | SIZE       | A          | B    | C   | D   | T    |         | WEIGHT (lbs)  | UNIT |
| 25807       | <b>CR107</b>   | 3/4 - 1<br>3/4 - 7/8 | ROUND<br>SQUARE | 1 or 2     | #8-4 STR   | 1.50       | 2.38 | 1.3 | 3/8 | 1.15 | 20      | 7.8           | CTN  |
| 25808       | <b>CR108</b>   | 3/4 - 1<br>3/4 - 7/8 | ROUND<br>SQUARE | 1 or 2     | #4-2/0 STR | 1.50       | 2.38 | 1.7 | 3/8 | 1.15 | 20      | 9.7           | CTN  |
| 25814       | <b>CR114</b>   | 1 1/4                | ROUND           | 1 or 2     | #4-2/0 STR | 1.75       | 2.62 | 1.7 | 3/8 | 1.38 | 20      | 9.8           | CTN  |







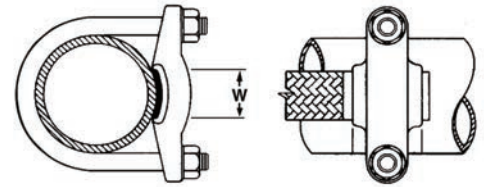
For copper strap

## GROUNDING FLEXIBLE STRAP SYSTEM



### PIPE CLAMPS FOR FLEXIBLE STRAPS

For grounding flat flexible strap to fence posts, gates or water pipe  
Bronze high-copper alloy castings



### CF SERIES

| NAED NUMBER | CATALOG NUMBER | PIPE SIZE IPS | STRAP MAX W (IN) | EST. SHIPPING |      |
|-------------|----------------|---------------|------------------|---------------|------|
|             |                |               |                  | WEIGHT (lbs)  | UNIT |
| 25710       | CF 101         | 1             | 1                | 0.57          | EA   |
| 25712       | CF 121         | 1 1/4         | 1                | 0.65          | EA   |
| 25715       | CF 151         | 1 1/2         | 1                | 0.72          | EA   |
| 25720       | CF 201         | 2             | 1                | 0.78          | EA   |
| 25725       | CF 251         | 2 1/2         | 1                | 0.95          | EA   |
| 25730       | CF 301         | 3             | 1                | 1.02          | EA   |
| 25735       | CF 351         | 3 1/2         | 1                | 1.16          | EA   |
| 25740       | CF 401         | 4             | 1                | 1.22          | EA   |
| 25750       | CF 501         | 5             | 1                | 1.79          | EA   |
| 25760       | CF 601         | 6             | 1                | 2.30          | EA   |



### FLEXIBLE JUMPER STRAP CONNECTORS

Use to absorb expansion, misalignment, or motion of equipment  
Use with CF Series clamps to bond fencepost to gate  
Flexible flat woven tin-plated copper braid  
Seamless high-conductivity tin-plated copper flat ferrules



### FJ SERIES

| NAED NUMBER | CATALOG NUMBER | EQUIV. WIRE SIZE (APPROX) | NOMINAL AMP RATING* |         | NOMINAL DIMENSIONS |   |      | EST. SHIPPING |      |
|-------------|----------------|---------------------------|---------------------|---------|--------------------|---|------|---------------|------|
|             |                |                           | INDOOR              | OUTDOOR | L                  | W | T    | WEIGHT (lbs)  | UNIT |
| 26870       | FJ 200-18N     | #1 AWG                    | 200                 | 245     | 18                 | 1 | 1/8  | 0.47          | EA   |
| 26880       | FJ 300-18N     | 3/0 AWG                   | 340                 | 405     | 18                 | 1 | 3/16 | 0.86          | EA   |
| 26890       | FJ 400-18N     | 4/0 AWG                   | 360                 | 430     | 18                 | 1 | 1/4  | 1.23          | EA   |

\* Ampacity varies with service conditions such as environment, airflow, orientation, temperature rise, etc.  
NEMA bolt pattern for (2) 1/2" bolts on 1 3/4" centers.  
Other configurations and sizes available; consult factory.



### FENCE FABRIC GROUNDING CLAMPS

For grounding of fence fabric, barbed wire, and theft-deterrent wire  
Accommodates two wires at nearly any angle  
Electro-tin plated bronze body with stainless steel hardware



### GFGC SERIES

| NAED NUMBER | CATALOG NUMBER | CONDUCTOR SIZE (AWG) | DIMENSIONS |       | TORQUE (IN-LBS) | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|----------------------|------------|-------|-----------------|---------|---------------|------|
|             |                |                      | DIA        | H     |                 |         | WEIGHT (lbs)  | UNIT |
| 25918       | GFGC8          | #8 AWG               | 1          | 5/8   | 67              | 10      | 2             | CTN  |
| 25916       | GFGC6          | #6 AWG               | 1          | 11/16 | 67              | 10      | 2             | CTN  |
| 25914       | GFGC4          | #4 AWG               | 1          | 7/8   | 67              | 10      | 2             | CTN  |
| 25912       | GFGC2          | #2 AWG               | 1          | 13/16 | 67              | 10      | 2             | CTN  |
| 25920       | GFGC20         | #2/0AWG              | 1-3/8      | 15/16 | 67              | 5       | 1.5           | CTN  |
| 25924       | GFGC240        | #2 & 4/0 AWG         | 1-5/8      | 1     | 67              | 5       | 1.5           | CTN  |



Also available with Tork-Away™ security hardware to assure required torque and provide tamper-resistance. Add suffix "TA" to Catalog Number and contact factory for availability.  
Other sizes available, contact factory.



## GROUNDING

### ADJUSTABLE GROUND STRAPS

Adjustable ground straps are made from pure annealed copper

Bolts, nuts and washers are plated steel

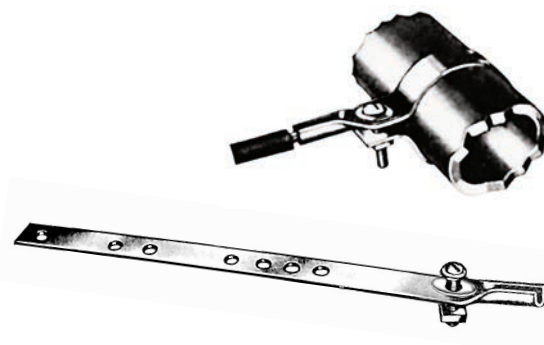
Four sizes cover a ground pipe range of 3/8" to 4"

For copper wire #14-6SOL

Ground wire connection can be soldered or solderless

| NAED NUMBER                              | CATALOG NUMBER | WATER PIPE SIZE (IPS) | CTN QTY | EST. SHIPPING |      |
|--|----------------|-----------------------|---------|---------------|------|
|  |                |                       |         | WEIGHT (lbs)  | UNIT |
| <b>HEAVY TYPE .050" THICK, 3/4" WIDE</b> |                |                       |         |               |      |
| 26000                                    | <b>D 480</b>   | 3/8 - 1               | 50      | 5.14          | CTN  |
| 26010                                    | <b>D 481</b>   | 3/8 - 2               | 50      | 7.26          | CTN  |
| 26020                                    | <b>D 482</b>   | 3/8 - 3               | 25      | 4.76          | CTN  |
| 26030                                    | <b>D 483</b>   | 3/8 - 4               | 25      | 5.65          | CTN  |
| <b>LIGHT TYPE .025" THICK, 3/4" WIDE</b> |                |                       |         |               |      |
| 26040                                    | <b>D 484</b>   | 3/8 - 1               | 50      | 3.76          | CTN  |
| 26050                                    | <b>D 485</b>   | 3/8 - 2               | 50      | 4.50          | CTN  |
| 26060                                    | <b>D 486</b>   | 3/8 - 3               | 25      | 2.76          | CTN  |
| 26070                                    | <b>D 487</b>   | 3/8 - 4               | 25      | 3.50          | CTN  |

PLATING: For tin plating add suffix letter "P" to Catalog Numbers.



### PERFORATED COPPER STRAP

Pure annealed 16 guage copper

Holes accommodate 1/4" screws, spaced 1/2" on center

Strap has full round edge

| NAED NUMBER | CATALOG NUMBER | WIDTH (IN) | THICKNESS (IN) | COIL LENGTH | EST. SHIPPING |      |
|-------------|----------------|------------|----------------|-------------|---------------|------|
|             |                |            |                |             | WEIGHT (lbs)  | UNIT |
| 70550       | <b>D 050</b>   | 3/4        | .050           | 10 FT       | 1.25          | COIL |

For longer coils consult factory for availability.



### FLEXIBLE BRAID

Flexible flat-woven tin-plated copper braid

Use to absorb expansion, misalignment, motion, or vibration of equipment

Use for bonding or grounding jumpers

Use multiple layers to increase ampacity



### FB SERIES

| NAED NUMBER | CATALOG NUMBER | CIRCULAR MIL AREA | EQUIV. WIRE SIZE (APPROX) | NOMINAL AMP RATING* |         | DIMENSIONS |      | COIL LENGTH | EST. SHIPPING |      |
|-------------|----------------|-------------------|---------------------------|---------------------|---------|------------|------|-------------|---------------|------|
|             |                |                   |                           | INDOOR              | OUTDOOR | W          | T    |             | WEIGHT (lbs)  | UNIT |
| 26310       | <b>FB60</b>    | 9.6 kcmil         | #10 AWG                   | 40                  | 60      | 1/2        | 1/32 | 250 FT      | 7.0           | COIL |
| 26315       | <b>FB90</b>    | 24 kcmil          | #6 AWG                    | 72                  | 90      | 1/2        | 3/32 | 250 FT      | 2.0           | COIL |
| 26320       | <b>FB200</b>   | 77 kcmil          | #1 AWG                    | 200                 | 245     | 1          | 1/8  | 10 FT       | 2.5           | COIL |
| 26330       | <b>FB300</b>   | 154 kcmil         | 3/0 AWG                   | 340                 | 405     | 1          | 3/16 | 10 FT       | 5.3           | COIL |
| 26340       | <b>FB400</b>   | 231 kcmil         | 4/0 AWG                   | 360                 | 430     | 1          | 5/32 | 10 FT       | 7.6           | COIL |

\* Ampacity varies with service conditions such as environment, airflow, orientation, temperature rise, etc.

Also available as finished connectors with endpads; see FJ Series.

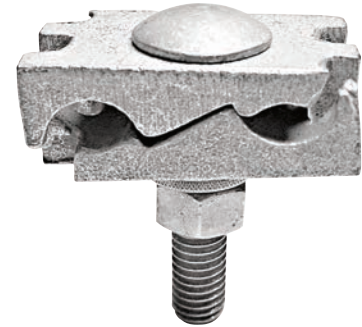
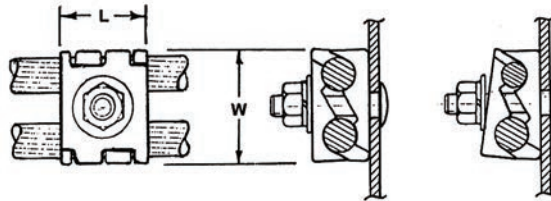
Also available in bulk quantities.



## GROUNDING CABLE TRAY CONNECTORS

### CABLE TRAY CLAMP

Bronze multi-purpose connector for tray, splice, tap, or cable-end  
 High-copper alloy body castings  
 Accommodates either one or two conductors  
 Galvanized carriage bolt with square shoulder prevents turning  
 Low profile bolt head provides smooth surface on inside of tray  
 Large contact surfaces to tray and wires for low resistance  
 For use with copper conductor



\*CTGG 25-P  
Shown

### CTGG SERIES

| NAED NUMBER | CATALOG NUMBER | WIRE RANGE |         | DIMENSIONS (IN) |   | BOLT SIZE  | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|------------|---------|-----------------|---|------------|---------|---------------|------|
|             |                | MAIN       | TAP     | W               | L |            |         | WEIGHT (lbs)  | UNIT |
| 71180       | CTGG 25        | 250-1/0    | 250-1/0 | 1 7/8           | 1 | 3/8-16 X 2 | 20      | 6.91          | CTN  |
| 71181       | CTGG 25-P*     | 250-1/0    | 250-1/0 | 1 7/8           | 1 | 3/8-16 X 2 | 20      | 6.91          | CTN  |

\*CTGG25-P is tin-plated for use with aluminum conductor or on aluminum tray, use oxide-inhibitor.  
 Available with silicon bronze hardware, add "-BC" to Catalog Number.



## GROUNDING

### BAR OR TOWER GROUND CONNECTORS

heavy duty – Bronze castings for strength and ruggedness

Use for grounding cable or wire to a flat bar, plate, or structural steel member

high copper alloy bronze castings with silicon bronze or stainless steel hardware

Suitable for direct burial in earth or concrete

#### Direct Burial

For copper wire only  
Continuous Loop

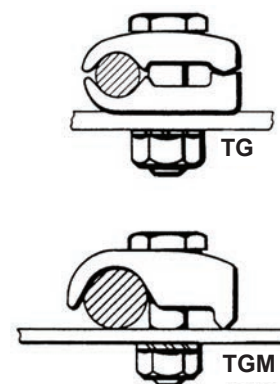
### TG SERIES

| NAED NUMBER | CATALOG NUMBER | CABLE RANGE |         | BOLT SIZE | EST. SHIPPING |      |
|-------------|----------------|-------------|---------|-----------|---------------|------|
|             |                | MAX         | MIN     |           | WEIGHT (lbs)  | UNIT |
| 71100       | <b>TG 04</b>   | #4 St r     | #8 SOL  | 3/8       | 0.16          | EA   |
| 71105       | <b>TG 20</b>   | 2/0 St r    | #4 SOL  | 3/8       | 0.29          | EA   |
| 71110       | <b>TG 25</b>   | 250 MCM     | 2/0 SOL | 1/2       | 0.45          | EA   |
| 71115       | <b>TG 50</b>   | 500 MCM     | 300 MCM | 1/2       | 0.95          | EA   |
| 71116       | <b>TG 75</b>   | 750 MCM     | 550 MCM | 5/8       | 1.25          | EA   |
| 71120       | <b>TGM 04</b>  | #4 St r     | #8 SOL  | 3/8       | 0.13          | EA   |
| 71125       | <b>TGM 20</b>  | 2/0 St r    | #4 SOL  | 3/8       | 0.20          | EA   |
| 71130       | <b>TGM 25</b>  | 250 MCM     | 2/0 SOL | 1/2       | 0.31          | EA   |
| 71135       | <b>TGM 50</b>  | 500 MCM     | 300 MCM | 1/2       | 0.80          | EA   |
| 71140       | <b>TGM 75</b>  | 750 MCM     | 550 MCM | 5/8       | 1.22          | EA   |

Consult factory for connectors for bar greater than 1/4" thick.

For tin plating add suffix "P" to Catalog Numbers.

For tork-Away Security hardware, add suffix "t A" to Catalog Number and contact factory for availability.



Connects one ground wire to  
1/4" thick bar or stanchion

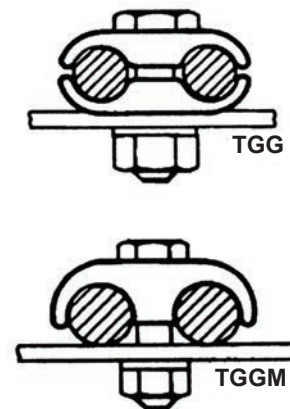
### TGG SERIES

| NAED NUMBER | CATALOG NUMBER | CABLE RANGE |         | BOLT SIZE | EST. SHIPPING |      |
|-------------|----------------|-------------|---------|-----------|---------------|------|
|             |                | MAX         | MIN     |           | WEIGHT (lbs)  | UNIT |
| 71101       | <b>TGG 04</b>  | #4 St r     | #8 SOL  | 3/8       | 0.23          | EA   |
| 71106       | <b>TGG 20</b>  | 2/0 St r    | #4 SOL  | 3/8       | 0.38          | EA   |
| 71111       | <b>TGG 25</b>  | 250 MCM     | 2/0 SOL | 1/2       | 0.81          | EA   |
| 71117       | <b>TGG 50</b>  | 500 MCM     | 300 MCM | 1/2       | 1.50          | EA   |
| 71118       | <b>TGG 75</b>  | 750 MCM     | 550 MCM | 5/8       | 2.20          | EA   |
| 71121       | <b>TGGM 04</b> | #4 St r     | #8 SOL  | 3/8       | 0.20          | EA   |
| 71126       | <b>TGGM 20</b> | 2/0 St r    | #4 SOL  | 3/8       | 0.28          | EA   |
| 71131       | <b>TGGM 25</b> | 250 MCM     | 2/0 SOL | 1/2       | 0.70          | EA   |
| 71136       | <b>TGGM 50</b> | 500 MCM     | 300 MCM | 1/2       | 1.20          | EA   |
| 71141       | <b>TGGM 75</b> | 750 MCM     | 550 MCM | 5/8       | 2.00          | EA   |

Consult factory for connectors for bar greater than 1/4" thick.

For tin plating add suffix "P" to Catalog Numbers.

For tork-Away Security hardware, add suffix "t A" to Catalog Number, contact factory for availability.



Connects two ground wires  
to 1/4" thick bar or stanchion





## GROUNDING

### CROSS CONNECTORS – BRONZE

Universal – for use as a tee, tap, parallel, end-to-end and cross  
 Bronze body with bronze or stainless steel hardware  
 Lay-in for continuous loop applications  
 Wide wire range capability  
 Suitable materials for direct burial in earth or concrete

**Direct Burial**  
 For copper cable  
 Continuous loop

### C-X SERIES

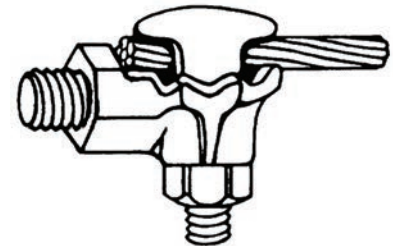
| NAED NUMBER | CATALOG NUMBER | WIRE RANGE |         |          |         | CTN QTY |
|-------------|----------------|------------|---------|----------|---------|---------|
|             |                | MAIN       |         | TAP      |         |         |
|             |                | MAX.       | MIN.    | MAX.     | MIN.    |         |
| 70710       | C 3X           | 250 MCM    | 6 SOL   | 250 MCM  | 6 SOL   | 12      |
| 70720       | C 5X           | 500 MCM    | 6 SOL   | 500 MCM  | 6 SOL   | 6       |
| 70730       | C 10X          | 1000 MCM   | 2 AWG   | 1000 MCM | 2 AWG   | 1       |
| 70735       | C 20X          | 2000 MCM   | 4/0 AWG | 2000 MCM | 4/0 AWG | 1       |



For Tork-Away™ Security Hardware add suffix “-TA” to Catalog Number.  
 For tin plating add suffix “P” to the Catalog Numbers.  
 For sizes not listed consult factory.

### TRANSFORMER GROUND CONNECTORS – BRONZE

For transformers with 1/2-13 tapped hole  
 Bronze body – High conductivity copper alloy  
 High strength bronze eye bolt  
 Hardware is bronze or stainless steel



### GLT SERIES

| NAED NUMBER | CATALOG NUMBER | WIRE RANGE |         | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|------------|---------|---------|---------------|------|
|             |                | MAX.       | MIN.    |         | WEIGHT (lbs)  | UNIT |
| 71080       | GLT 1          | #1 STR     | #10 SOL | 50      | 11.7          | CTN  |
| 71082       | GLT 20         | 2/0 STR    | #8 SOL  | 50      | 14.3          | CTN  |
| 71084       | GLT 250        | 250 MCM    | #6 STR  | 25      | 11.0          | CTN  |

For tin plating add suffix “P” to Catalog Number.

### BEAVER-TOOTH LUGS – ALUMINUM

#### Aluminum Lay-in Grounding Lugs

High strength aluminum alloy 6061-T6  
 Tin-plated for low contact resistance  
 UL recognized to UL486B for grounding only.

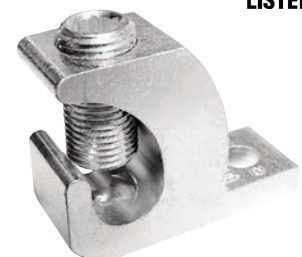
**Dual-Rated**  
 Continuous Loop  
 CU9AL  
 600V

### BTL SERIES

#### Lay-in Lugs

| NAED NUMBER | CATALOG NUMBER | WIRE RANGE |      | BOLT SIZE | DIMENSIONS                     |       |                                | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|------------|------|-----------|--------------------------------|-------|--------------------------------|---------|---------------|------|
|             |                | MAX.       | MIN. |           | LENGTH                         | WIDTH | HEIGHT                         |         | WEIGHT (lbs)  | UNIT |
| 13800       | BTL 4          | #4         | #14  | 3/16      | 1 <sup>1</sup> / <sub>16</sub> | 3/8   | 3/4                            | 100     | 1.15          | CTN  |
| 13805       | BTL 0          | 1/0        | #8   | 1/4       | 1 <sup>1</sup> / <sub>2</sub>  | 9/16  | 1 <sup>1</sup> / <sub>8</sub>  | 50      | 3.31          | CTN  |
| 13810       | *BTL 000       | 3/0        | #6   | 5/16      | 2                              | 13/16 | 1 <sup>1</sup> / <sub>2</sub>  | 50      | 8.27          | CTN  |
| 13815       | *BTL 250       | 250        | #6   | 5/16      | 2 <sup>3</sup> / <sub>16</sub> | 13/16 | 1 <sup>1</sup> / <sub>16</sub> | 25      | 2.25          | CTN  |

\*Sizes 3/0 and larger have hex socket screws.  
 Not for direct burial.  
 For direct burial applications use Series BTL-DB or JAR-DB, see page 97.





## GROUNDING

### BOND STUDS

Lay-in connector for continuous loop grounding  
Use to ground 1 or 2 conductors to bar or plate  
High copper bronze alloy for maximum conductivity  
Suitable for direct burial in earth or concrete

### Direct Burial

Copper cable only  
Continuous Loop

### BS SERIES

### Standard and Long Stud



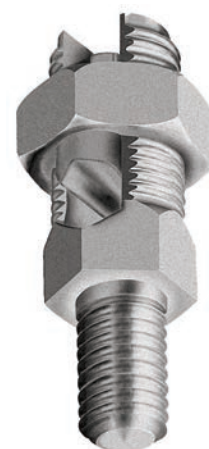
| NAED NUMBER     | CATALOG NUMBER | MAX. WIRE SIZE |        | STUD THREAD | STUD LENGTH |       | CTN QTY | EST. SHIPPING |      |  |
|-----------------|----------------|----------------|--------|-------------|-------------|-------|---------|---------------|------|--|
|                 |                | SOLID          | STRND. |             | STANDARD    | LONG* |         | WEIGHT (lbs)  | UNIT |  |
| <b>ONE WIRE</b> |                |                |        |             |             |       |         |               |      |  |
| 70740           | BS 1-7         | #6             | #7     | 1/4 - 20    | 1/2         | 1     | 25      | 1.35          | CTN  |  |
| 70745           | BS 1-5         | #4             | #5     | 5/16 - 18   | 9/16        | 1     | 25      | 2.35          | CTN  |  |
| 70750           | BS 1-3         | #2             | #3     | 3/8 - 16    | 5/8         | 1 1/8 | 25      | 2.85          | CTN  |  |
| 70755           | BS 1-2         | #1             | #2     | 3/8 - 16    | 5/8         | 1 1/8 | 25      | 3.10          | CTN  |  |
| 70760           | BS 1-10        | 2/0            | 1/0    | 1/2 - 13    | 3/4         | 1 1/4 | 10      | 2.20          | CTN  |  |
| 70765           | BS 1-20        | 3/0            | 2/0    | 1/2 - 13    | 3/4         | 1 1/4 | 10      | 3.20          | CTN  |  |
| 70775           | BS 1-40        | -              | 4/0    | 5/8 - 11    | 1           | 1 1/2 | 5       | 2.70          | CTN  |  |
| <b>TWO WIRE</b> |                |                |        |             |             |       |         |               |      |  |
| 70780           | BS 2-7         | #6             | #7     | 1/4 - 20    | 1/2         | 1     | 25      | 1.85          | CTN  |  |
| 70785           | BS 2-5         | #4             | #5     | 5/16 - 18   | 9/16        | 1     | 25      | 2.10          | CTN  |  |
| 70790           | BS 2-3         | #2             | #3     | 3/8 - 16    | 5/8         | 1 1/8 | 25      | 3.60          | CTN  |  |
| 70795           | BS 2-2         | #1             | #2     | 3/8 - 16    | 5/8         | 1 1/8 | 25      | 4.25          | CTN  |  |
| 70800           | BS 2-10        | 2/0            | 1/0    | 1/2 - 13    | 3/4         | 1 1/4 | 10      | 2.50          | CTN  |  |
| 70805           | BS 2-20        | 3/0            | 2/0    | 1/2 - 13    | 3/4         | 1 1/4 | 10      | 3.50          | CTN  |  |
| 70815           | BS 2-40        | -              | 4/0    | 5/8 - 11    | 1           | 1 1/2 | 5       | 3.00          | CTN  |  |

Bronze nuts, flat washers and lockwashers also available for mounting (sold separately). See HARDWARE pages.

For tin plating add suffix "P" to Catalog Number, consult factory for availability and price.

\*For long stud add suffix "L" to Catalog Number, consult factory for availability and price.

For sizes not listed consult factory for delivery.



### LAY-IN LUG FOR CONTINUOUS LOOP GROUNDING OR BONDING

Use on electrical equipment, conduit bushings, jumper to multiple conduits  
Heavy Duty – Bronze castings for strength and ruggedness  
High copper alloy bronze castings with silicon bronze hardware  
Suitable for direct burial in earth or concrete

### Direct Burial

Copper cable only  
Continuous Loop

### JAR-DB SERIES

### Lay-in Lugs

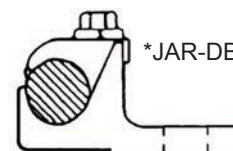


| NAED NUMBER | CATALOG NUMBER | MATERIAL   |                 | WIRE RANGE | BOLT SIZE | CTN QTY | EST. SHIPPING |      |
|-------------|----------------|------------|-----------------|------------|-----------|---------|---------------|------|
|             |                | BODY       | SCREW           |            |           |         | WEIGHT (lbs)  | UNIT |
| 27201       | BTL 4-DB       | COPPER     | STAINLESS STEEL | #4 - 14    | #10       | 50      | 3.06          | CTN  |
| 27205       | BTL 414-DB     |            |                 | #4 - 14    | 1/4       | 50      | 3.89          | CTN  |
| 27210       | J 2AR-DB       | BRONZE     | BRONZE          | #1 - 4     | 1/4       | 25      | 4.30          | CTN  |
| 27211       | J 3AR-DB       |            |                 | 2/0 - 1/0  | 3/8       | 25      | 6.39          | CTN  |
| 27212       | J 4AR-DB       |            |                 | 4/0 - 2/0  | 7/16      | 12      | 4.60          | CTN  |
| 27213       | J 5AR-DB       |            |                 | 350 - 4/0  | 1/2       | 1       | 0.59          | EA   |
| 27214       | J 6AR-DB       |            |                 | 500 - 350  | 1/2       | 1       | 0.84          | EA   |
| 27215       | J 7AR-DB       |            |                 | 750 - 500  | 1/2       | 1       | 1.38          | EA   |
| 27216       | J 8AR-DB       | 1000 - 750 | 5/8             | 1          | 2.00      | EA      |               |      |

\*JAR-DB not UL.



BTL-DB



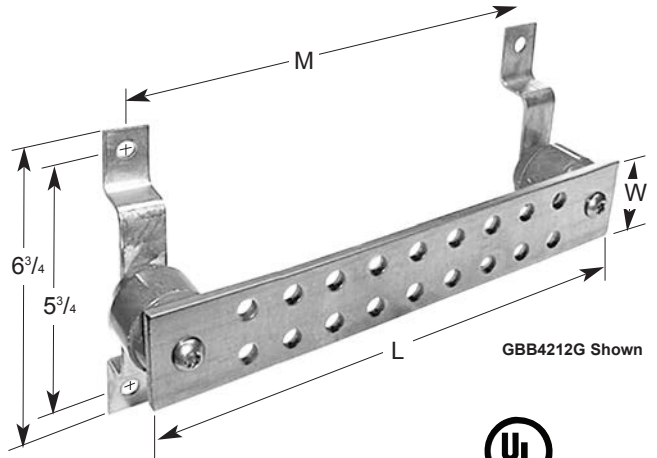
\*JAR-DB



# GROUNDING

## GROUND BUS BARS

Use to connect multiple ground conductors/lugs in panels  
 Includes stand-off brackets (1 inch high) and insulators (1½ inch high)  
 Standoff brackets drilled for 3/8 bolts  
 Other sizes and lug-mounting patterns also available  
 Copper bus 1/4-inch thick  
 Individually packaged



GBB4212G Shown



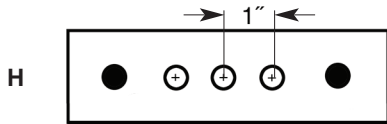
## GBB SERIES

| NAED NUMBER | CATALOG NO. | DIMENSIONS (IN) |    |                                 | LUG-HOLES   |              | EST. SHIPPING |    |
|-------------|-------------|-----------------|----|---------------------------------|-------------|--------------|---------------|----|
|             |             | W               | L  | M                               | PATTERN NO. | WEIGHT (lbs) | UNIT          |    |
| 27183       | GBB416H     | 1               | 6  | -                               | H           | 3            | 2             | EA |
| 27188       | GBB4212G    | 2               | 12 | 10 <sup>9</sup> / <sub>16</sub> | G           | 18           | 3             | EA |
| 27186       | GBB4212X    | 2               | 12 | -                               | X           | 16           | 3             | EA |
| 27180       | GBB4212N    | 2               | 12 | 10 <sup>9</sup> / <sub>16</sub> | N           | 0            | 3             | EA |

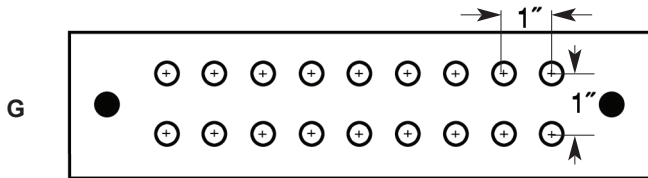
Available in other configurations, consult factory.  
 For tin plating add suffix "P" to Catalog Number.

### Standard lug-hole patterns

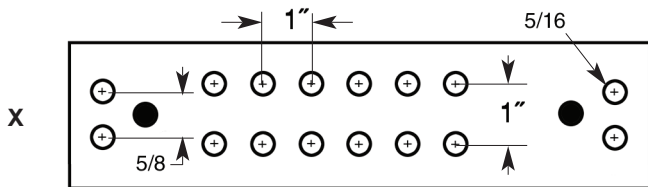
Lug-mounting holes are for 3/8" bolt size (7/16" diameter) unless otherwise noted.



(3) lug-mounting holes (3/8 bolt size)



(18) lug-mounting holes (3/8 bolt size), for  
 (9) 2-hole lugs (1 inch spacing),  
 or (18) 1-hole lugs



(16) lug-mounting holes for  
 (6) 2-hole lugs (3/8 bolt size, 1 inch spacing),  
 or (12) 1-hole lugs  
 and (2) 2-hole lugs (1/4 bolt size, 5/8 inch spacing)



Blank, supplied with no lug-mounting holes



## UTILITY TRANSMISSION

### ALUMINUM COMPRESSION LUGS

Pure cast aluminum compression lugs for terminating aluminum conductor to flat pad, such as for MC, ACSR aluminum transmission lines.

Pads have standard NEMA bolting patterns for 2-hole (2N), or four-hole (4N, 44N).

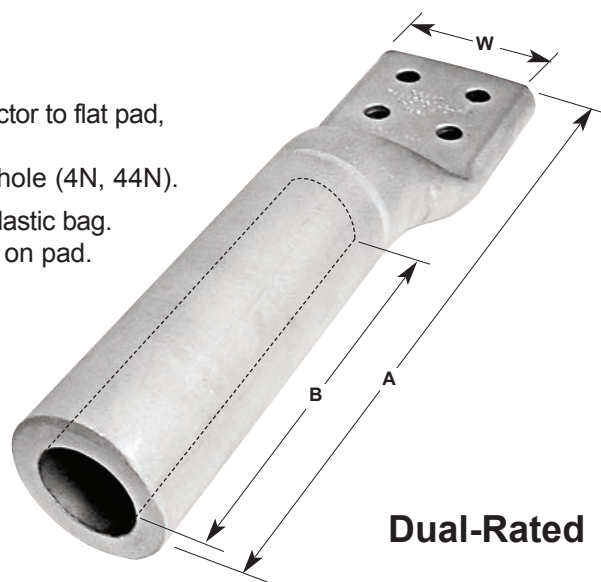
Barrels pre-filled with oxide-inhibitor compound and enclosed in clear plastic bag.

Pad coated with oxide-retardant, and oxide-inhibitor is recommended on pad.

For use with conventional compression tooling.

Uses same dies as equivalent full-tension sleeve or dead-end.

Also available with pad at angle; specify angle with suffix such as -15, -30, -45, -90.



**Dual-Rated**

### ALCL SERIES

| NAED NUMBER | CATALOG NUMBER | AAC SIZE<br>AWG OR MCM  | ACSR SIZE<br>AWG OR MCM         | CONDUCTOR<br>DIAMETER<br>(INCHES) | DIMENSIONS<br>(INCHES) |       |   | DIE   | EST. SHIPPING |      |
|-------------|----------------|-------------------------|---------------------------------|-----------------------------------|------------------------|-------|---|-------|---------------|------|
|             |                | MIN. - MAX.             | MIN. - MAX.                     |                                   | A                      | B     | W |       | WEIGHT (lbs)  | UNIT |
| 49220       | ALCL2A2N       | #2                      | #2                              | .292 - .325                       | 5 1/4                  | 1 1/2 | 2 | .640  | .4            | EA   |
| 49120       | ALCL1/0A2N     | 1/0                     | 1/0                             | .355 - .398                       | 5 1/4                  | 1 1/2 | 2 | .840  | .5            | EA   |
| 49140       | ALCL1/0A4N     |                         |                                 | .355 - .398                       | 5 1/4                  | 1 1/2 | 3 | .840  | .5            | EA   |
| 49202       | ALCL2/0A2N     | 2/0                     | 2/0                             | .414 - .447                       | 6                      | 2     | 2 | .840  | .5            | EA   |
| 49204       | ALCL2/0A4N     |                         |                                 | .414 - .447                       | 6                      | 2     | 3 | .840  | .5            | EA   |
| 49302       | ALCL3/0A2N     | 3/0                     | 3/0                             | .464 - .502                       | 6                      | 2     | 2 | .840  | .5            | EA   |
| 49304       | ALCL3/0A4N     |                         |                                 | .464 - .502                       | 6                      | 2     | 3 | .840  | .5            | EA   |
| 49402       | ALCL4/0A2N     | 4/0                     | 4/0                             | .522 - .563                       | 7 1/4                  | 3 1/2 | 2 | .840  | .5            | EA   |
| 49404       | ALCL4/0A4N     |                         |                                 | .522 - .563                       | 7 1/4                  | 3 1/2 | 3 | .840  | .5            | EA   |
| 49262       | ALCL226A2N     | 226.8 - 300             | 226.8 - 300                     | .586 - .642                       | 7 1/4                  | 3 1/2 | 3 | 1.25  | .6            | EA   |
| 49264       | ALCL226A4N     |                         |                                 | .586 - .642                       | 7 1/4                  | 3 1/2 | 3 | 1.25  | .6            | EA   |
| 49364       | ALCL336A4N     | 336.4 (19) - 350 (37)   | 336.4 (36/1) - 336.4 (18/1)     | .666 - .684                       | 7 1/4                  | 3 1/2 | 3 | 1.32  | 1.25          | EA   |
| 49374       | ALCL397A4N     | 397.5 (19) - 400 (37)   | 336.4 (26/7) - 397.5 (18/1)     | .721 - .743                       | 7 1/4                  | 3 1/2 | 3 | 1.32  | 1.25          | EA   |
| 49744       | ALCL700A44N    | 700 (61) - 795 (61)     | 605 (26/7) - 636 (30/19)        | .964 - 1.028                      | 12 1/8                 | 6 3/4 | 4 | 1.5   | 1.4           | EA   |
| 49844       | ALCL800A44N    | 800 (61) - 817.5 (61)   | 715.5 (54/7) - 715.5 (30/19)    | 1.031 - 1.081                     | 12 1/8                 | 6 3/4 | 4 | 1.843 | 1.75          | EA   |
| 49944       | ALCL900A44N    | 900 (37) - 1000 (61)    | 795 (24/7) - 874.5 (54/7)       | 1.092 - 1.152                     | 12 1/8                 | 6 3/4 | 4 | 1.843 | 1.75          | EA   |
| 49134       | ALCL1033A44N   | 1033.5 (37) - 1113 (61) | 900 (54/7) - 954 (54/7)         | 1.162 - 1.216                     | 15                     | 9 1/4 | 4 | 2.125 | 2.5           | EA   |
| 49124       | ALCL1200A44N   | 1200 (91) - 1272 (61)   | 1033.5 (54/7) - 1113 (54/19)    | 1.246 - 1.300                     | 15                     | 9 1/4 | 4 | 2.375 | 2.9           | EA   |
| 49144       | ALCL1400A44N   | 1400 (91) - 1510.5 (61) | 1272 (45/7) - 1351.5 (54/19)    | 1.345 - 1.424                     | 15                     | 9 1/4 | 4 | 2.375 | 2.9           | EA   |
| 49154       | ALCL1590A4N    | 1590 (61) - 1700 (127)  | 1351.5 (54/19) - 1510.5 (54/19) | 1.424 - 1.506                     | 15                     | 9 1/4 | 4 | 2.375 | 2.9           | EA   |
| 49174       | ALCL1750A4N    | 1750 (127)              | 1510.5 (54/19) - 1590 (54/19)   | 1.506 - 1.545                     | 14                     | 9 1/4 | 4 | 2.375 | 2.9           | EA   |
| 49344       | ALCL3000A44N   | 3000 (127)              | -                               | 1.996                             | 15                     | 9 1/4 | 4 | 2.937 | 3.75          | EA   |
| 49354       | ALCL3500A44N   | 3500 (127)              | -                               | 2.160                             | 15                     | 9 1/4 | 4 | 2.937 | 3.75          | EA   |

Other sizes available, consult factory.

Most sizes also available in copper.

ALCL connectors are custom made-to-order and are not returnable.

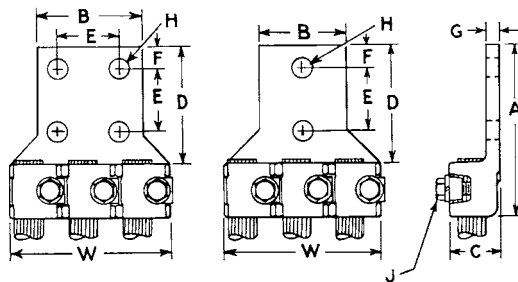
www.greaves-usa.com

Phone 860-664-4505 • Fax 860-664-4546

TOLL FREE 1-800-243-1130 (Outside CT)







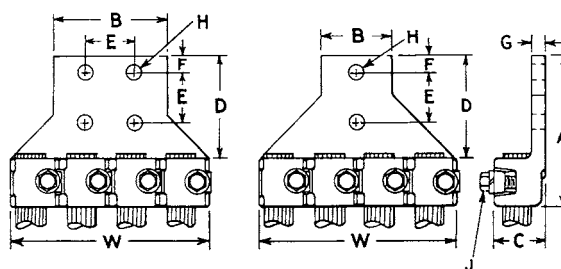
E = 1 3/4"

## 3JA SERIES

Terminal lugs, three cables, straight

| Cable Range |      |   | H.T.   | Catalog Number | BRONZE CONNECTORS                 |         |         |     |      |      |      |        |          |         | DUAL-RATED ALUMINUM CONNECTORS    |         |       |     |        |      |      |         |  |  |
|-------------|------|---|--------|----------------|-----------------------------------|---------|---------|-----|------|------|------|--------|----------|---------|-----------------------------------|---------|-------|-----|--------|------|------|---------|--|--|
| Max.        | Min. |   |        |                | Dimension in Inches (Approximate) |         |         |     |      |      |      |        |          |         | Dimension in Inches (Approximate) |         |       |     |        |      |      |         |  |  |
|             |      |   |        | A              | B                                 | C       | D       | F   | G    | H    | J    | W      | Number   | A       | B                                 | C       | D     | F   | G      | H    | J    | W       |  |  |
| 4/0         | 1/0  | 2 |        |                |                                   |         |         |     |      |      |      |        | AL3J4A2N | 5 1/16  | 1 7/8                             | 1 3/16  | 3 1/4 | 5/8 | 5/16   | 9/16 | 5/16 | 3 1/2   |  |  |
| 4/0         | 1/0  | 4 |        |                |                                   |         |         |     |      |      |      |        | AL3J4A4N | 5 1/16  | 3                                 | 1 3/16  | 3 1/4 | 5/8 | 5/16   | 9/16 | 5/16 | 3 1/2   |  |  |
| 4/0         | 2/0  | 2 | 3J4A2N | 4 13/32        | 1 7/8                             | 1       | 3 1/4   | 5/8 | 1/4  | 9/16 | 5/16 | 3 1/2  |          |         |                                   |         |       |     |        |      |      |         |  |  |
| 4/0         | 2/0  | 4 | 3J4A4N | 4 13/32        | 3                                 | 1       | 3 1/4   | 5/8 | 1/4  | 9/16 | 5/16 | 3 1/2  |          |         |                                   |         |       |     |        |      |      |         |  |  |
| 350         | 4/0  | 2 | 3J5A2N | 4 5/8          | 2 5/16                            | 1 13/32 | 3 9/32  | 5/8 | 5/16 | 9/16 | 3/8  | 4      | AL3J5A2N | 5 5/16  | 2 1/4                             | 1 3/8   | 3 3/8 | 5/8 | 13/32  | 9/16 | 3/8  | 4 3/8   |  |  |
| 350         | 4/0  | 4 | 3J5A4N | 4 5/8          | 3                                 | 1 13/32 | 3 9/32  | 5/8 | 5/16 | 9/16 | 3/8  | 4      | AL3J5A4N | 5 5/16  | 3                                 | 1 3/8   | 3 3/8 | 5/8 | 13/32  | 9/16 | 3/8  | 4 3/8   |  |  |
| 500         | 350  | 2 | 3J6A2N | 4 3/4          | 2 1/2                             | 1 15/32 | 3 5/16  | 5/8 | 3/8  | 9/16 | 3/8  | 4 9/16 | AL3J6A2N | 5 1/2   | 2 1/2                             | 1 5/8   | 3 1/2 | 5/8 | 15/32  | 9/16 | 3/8  | 4 15/16 |  |  |
| 500         | 350  | 4 | 3J6A4N | 4 3/4          | 3                                 | 1 15/32 | 3 5/16  | 5/8 | 3/8  | 9/16 | 3/8  | 4 9/16 | AL3J6A4N | 5 1/2   | 3                                 | 1 5/8   | 3 1/2 | 5/8 | 15/32  | 9/16 | 3/8  | 4 15/16 |  |  |
| 750         | 500  | 2 | 3J7A2N | 5 1/4          | 3                                 | 1 3/4   | 3 11/32 | 5/8 | 7/16 | 9/16 | 7/16 | 5 1/4  | AL3J7A2N | 5 13/16 | 3                                 | 1 15/16 | 3 1/2 | 5/8 | 5/8    | 9/16 | 7/16 | 5 11/16 |  |  |
| 750         | 500  | 4 | 3J7A4N | 5 1/4          | 3                                 | 1 3/4   | 3 11/32 | 5/8 | 7/16 | 9/16 | 7/16 | 5 1/4  | AL3J7A4N | 5 13/16 | 3                                 | 1 15/16 | 3 1/2 | 5/8 | 5/8    | 9/16 | 7/16 | 5 11/16 |  |  |
| 1000        | 750  | 2 | 3J8A2N | 5 5/8          | 3 3/2                             | 2       | 3 3/8   | 5/8 | 1/2  | 9/16 | 1/2  | 6 1/8  | AL3J8A2N | 6 1/16  | 3 1/4                             | 2 5/16  | 3 1/2 | 5/8 | 2 1/32 | 9/16 | 1/2  | 6 7/16  |  |  |
| 1000        | 750  | 4 | 3J8A4N | 5 5/8          | 3 3/2                             | 2       | 3 3/8   | 5/8 | 1/2  | 9/16 | 1/2  | 6 1/8  | AL3J8A4N | 6 1/16  | 3 1/4                             | 2 5/16  | 3 1/2 | 5/8 | 2 1/32 | 9/16 | 1/2  | 6 7/16  |  |  |

\*\* Holes in Tang



E = 1 3/4"

## 4JA SERIES

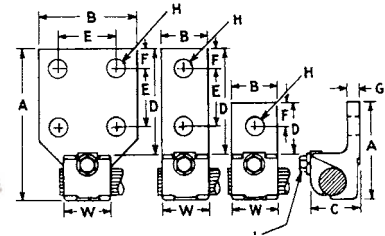
Terminal lugs, four cables, straight

| Cable Range |      |   | H.T.   | Catalog Number | BRONZE CONNECTORS                 |         |         |     |      |      |      |         |          |         | ---                               |         |       |     |        |      |      |         |  |  |
|-------------|------|---|--------|----------------|-----------------------------------|---------|---------|-----|------|------|------|---------|----------|---------|-----------------------------------|---------|-------|-----|--------|------|------|---------|--|--|
| Max.        | Min. |   |        |                | Dimension in Inches (Approximate) |         |         |     |      |      |      |         |          |         | Dimension in Inches (Approximate) |         |       |     |        |      |      |         |  |  |
|             |      |   |        | A              | B                                 | C       | D       | F   | G    | H    | J    | W       | Number   | A       | B                                 | C       | D     | F   | G      | H    | J    | W       |  |  |
| 4/0         | 1/0  | 2 |        |                |                                   |         |         |     |      |      |      |         | AL4J4A2N | 4 15/16 | 2                                 | 1 3/16  | 3 1/8 | 5/8 | 5/16   | 9/16 | 5/16 | 5 1/16  |  |  |
| 4/0         | 1/0  | 4 |        |                |                                   |         |         |     |      |      |      |         | AL4J4A4N | 4 15/16 | 3                                 | 1 3/16  | 3 1/8 | 5/8 | 5/16   | 9/16 | 5/16 | 5 1/16  |  |  |
| 4/0         | 2/0  | 2 | 4J4A2N | 4 13/32        | 2                                 | 1       | 3 1/4   | 5/8 | 1/4  | 9/16 | 5/16 | 4 7/16  |          |         |                                   |         |       |     |        |      |      |         |  |  |
| 4/0         | 2/0  | 4 | 4J4A4N | 4 13/32        | 3                                 | 1       | 3 1/4   | 5/8 | 1/4  | 9/16 | 5/16 | 4 7/16  |          |         |                                   |         |       |     |        |      |      |         |  |  |
| 350         | 4/0  | 2 | 4J5A2N | 4 5/8          | 2                                 | 1 13/32 | 3 9/32  | 5/8 | 5/16 | 9/16 | 3/8  | 5 1/4   | AL4J5A2N | 5 5/16  | 2                                 | 1 3/8   | 3 3/8 | 5/8 | 13/32  | 9/16 | 3/8  | 5 13/16 |  |  |
| 350         | 4/0  | 4 | 4J5A4N | 4 5/8          | 3                                 | 1 13/32 | 3 9/32  | 5/8 | 5/16 | 9/16 | 3/8  | 5 1/4   | AL4J5A4N | 5 5/16  | 3                                 | 1 3/8   | 3 3/8 | 5/8 | 13/32  | 9/16 | 3/8  | 5 13/16 |  |  |
| 500         | 350  | 2 | 4J6A2N | 4 3/4          | 2 1/2                             | 1 15/32 | 3 5/16  | 5/8 | 3/8  | 9/16 | 3/8  | 6       | AL4J6A2N | 5 5/8   | 2 1/2                             | 1 5/8   | 3 3/8 | 5/8 | 15/32  | 9/16 | 3/8  | 6 5/8   |  |  |
| 500         | 350  | 4 | 4J6A4N | 4 3/4          | 4                                 | 1 15/32 | 3 5/16  | 5/8 | 3/8  | 9/16 | 3/8  | 6       | AL4J6A4N | 5 5/8   | 4                                 | 1 5/8   | 3 3/8 | 5/8 | 15/32  | 9/16 | 3/8  | 6 5/8   |  |  |
| 750         | 500  | 2 | 4J7A2N | 5 1/4          | 4                                 | 1 3/4   | 3 11/32 | 5/8 | 7/16 | 9/16 | 7/16 | 6 13/16 | AL4J7A2N | 5 15/16 | 4                                 | 1 15/16 | 3 3/8 | 5/8 | 5/8    | 9/16 | 7/16 | 7 5/8   |  |  |
| 750         | 500  | 4 | 4J7A4N | 5 1/4          | 4                                 | 1 3/4   | 3 11/32 | 5/8 | 7/16 | 9/16 | 7/16 | 6 13/16 | AL4J7A4N | 5 15/16 | 4                                 | 1 15/16 | 3 3/8 | 5/8 | 5/8    | 9/16 | 7/16 | 7 5/8   |  |  |
| 1000        | 750  | 2 | 4J8A2N | 5 5/8          | 4 1/2                             | 2       | 3 3/8   | 5/8 | 1/2  | 9/16 | 1/2  | 8       | AL4J8A2N | 6 1/16  | 4 1/2                             | 2 3/16  | 4 1/8 | 5/8 | 2 1/32 | 9/16 | 1/2  | 8 5/8   |  |  |
| 1000        | 750  | 4 | 4J8A4N | 5 5/8          | 4 1/2                             | 2       | 3 3/8   | 5/8 | 1/2  | 9/16 | 1/2  | 8       | AL4J8A4N | 6 1/16  | 4 1/2                             | 2 3/16  | 4 1/8 | 5/8 | 2 1/32 | 9/16 | 1/2  | 8 5/8   |  |  |

\*\* Holes in Tang

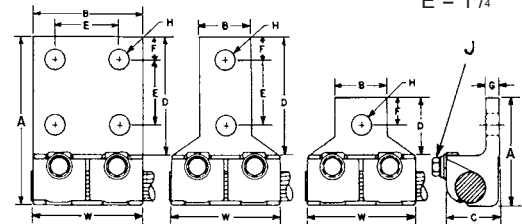
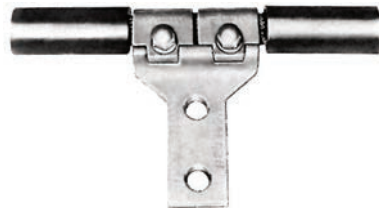
## JAR SERIES

Terminal lugs, one cable 90°



| Cable Range |      | H.T. | Catalog Number | BRONZE CONNECTORS                 |                                 |                                 |                                 |                                |                                |                                | DUAL-RATED ALUMINUM CONNECTORS    |                                 |                                 |                                 |                                 |                                 |                                 |                                |                                |                                 |      |                                 |                                 |      |                                |
|-------------|------|------|----------------|-----------------------------------|---------------------------------|---------------------------------|---------------------------------|--------------------------------|--------------------------------|--------------------------------|-----------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|--------------------------------|--------------------------------|---------------------------------|------|---------------------------------|---------------------------------|------|--------------------------------|
| Max.        | Min. |      |                | Dimension in Inches (Approximate) |                                 |                                 |                                 |                                |                                |                                | Dimension in Inches (Approximate) |                                 |                                 |                                 |                                 |                                 |                                 |                                |                                |                                 |      |                                 |                                 |      |                                |
|             |      |      |                | A                                 | B                               | C                               | D                               | F                              | G                              | H                              | J                                 | W                               | Number                          | A                               | B                               | C                               | D                               | F                              | G                              | H                               | J    | W                               |                                 |      |                                |
| #1          | #4   | 1    | J2AR           | 1 <sup>5</sup> / <sub>8</sub>     | 2 <sup>5</sup> / <sub>32</sub>  | 1 <sup>1</sup> / <sub>16</sub>  | 2 <sup>7</sup> / <sub>32</sub>  | 3/8                            | 3/16                           | 9/32                           | 5/16                              | 2 <sup>9</sup> / <sub>32</sub>  | ALJ2AR<br>ALJ2AR2N              | 1 <sup>15</sup> / <sub>16</sub> | 1 <sup>5</sup> / <sub>16</sub>  | 1 <sup>5</sup> / <sub>16</sub>  | 1                               | 7/16                           | 1/4                            | 9/32                            | 5/16 | 1 <sup>3</sup> / <sub>8</sub>   |                                 |      |                                |
| 1/0         | #4   | 1    |                | J3AR                              | 1 <sup>15</sup> / <sub>16</sub> | 2 <sup>9</sup> / <sub>32</sub>  | 7/8                             | 1                              | 1 <sup>5</sup> / <sub>32</sub> | 7/32                           | 1 <sup>3</sup> / <sub>32</sub>    | 5/16                            |                                 | 3 <sup>1</sup> / <sub>32</sub>  | 4 <sup>3</sup> / <sub>16</sub>  | 1 <sup>1</sup> / <sub>16</sub>  | 1 <sup>5</sup> / <sub>16</sub>  | 3/4                            | 5/8                            | 1/4                             | 9/16 | 5/16                            | 1 <sup>5</sup> / <sub>16</sub>  |      |                                |
| 1/0         | #4   | 2    |                |                                   | J4AR                            | 2 <sup>1</sup> / <sub>4</sub>   | 1 <sup>1</sup> / <sub>16</sub>  | 1                              | 1 <sup>3</sup> / <sub>16</sub> | 9/16                           | 1/4                               | 7/16                            |                                 | 5/16                            | 1 <sup>3</sup> / <sub>16</sub>  | 2 <sup>7</sup> / <sub>16</sub>  | 1 <sup>3</sup> / <sub>16</sub>  | 1 <sup>3</sup> / <sub>16</sub> | 1 <sup>3</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>4</sub>   | 9/16 | 5/16                            | 7/16                            | 5/16 | 3/16                           |
| 2/0         | 1/0  | 1    |                |                                   |                                 | J4AR2N                          | 4 <sup>5</sup> / <sub>16</sub>  | 1 <sup>1</sup> / <sub>16</sub> | 1                              | 3/4                            | 5/8                               | 1/4                             |                                 | 9/16                            | 5/16                            | 1 <sup>3</sup> / <sub>16</sub>  | 4 <sup>7</sup> / <sub>16</sub>  | 1 <sup>1</sup> / <sub>4</sub>  | 1 <sup>3</sup> / <sub>16</sub> | 3/4                             | 5/8  | 5/16                            | 9/16                            | 5/16 | 1 <sup>3</sup> / <sub>16</sub> |
| 350         | 4/0  | 1    | J5AR           | 2 <sup>7</sup> / <sub>8</sub>     | 1 <sup>1</sup> / <sub>32</sub>  | 1 <sup>1</sup> / <sub>4</sub>   | 1 <sup>3</sup> / <sub>8</sub>   | 2 <sup>1</sup> / <sub>32</sub> | 9/32                           | 1 <sup>7</sup> / <sub>32</sub> | 3/8                               | 1 <sup>11</sup> / <sub>32</sub> | ALJ5AR                          | 2 <sup>7</sup> / <sub>8</sub>   | 1 <sup>3</sup> / <sub>8</sub>   | 1 <sup>3</sup> / <sub>8</sub>   | 1 <sup>1</sup> / <sub>2</sub>   | 2 <sup>1</sup> / <sub>3</sub>  | 1 <sup>3</sup> / <sub>32</sub> | 1 <sup>7</sup> / <sub>32</sub>  | 3/8  | 1 <sup>3</sup> / <sub>8</sub>   |                                 |      |                                |
| 350         | 4/0  | 2    |                | J5AR2N                            | 4 <sup>17</sup> / <sub>32</sub> | 1 <sup>1</sup> / <sub>32</sub>  | 1 <sup>1</sup> / <sub>4</sub>   | 3 <sup>9</sup> / <sub>32</sub> | 5/8                            | 9/32                           | 9/16                              | 3/8                             | 1 <sup>11</sup> / <sub>32</sub> | ALJ5AR2N                        | 4 <sup>7</sup> / <sub>8</sub>   | 1 <sup>3</sup> / <sub>8</sub>   | 1 <sup>3</sup> / <sub>8</sub>   | 3/4                            | 2                              | 1 <sup>3</sup> / <sub>32</sub>  | 9/16 | 3/8                             | 1 <sup>3</sup> / <sub>16</sub>  |      |                                |
| 350         | 4/0  | 4    |                | J5AR4N                            | 4 <sup>17</sup> / <sub>32</sub> | 3                               | 1 <sup>1</sup> / <sub>4</sub>   | 3 <sup>9</sup> / <sub>32</sub> | 5/8                            | 9/32                           | 9/16                              | 3/8                             | 1 <sup>11</sup> / <sub>32</sub> | ALJ5AR4N                        | 4 <sup>7</sup> / <sub>8</sub>   | 3                               | 1 <sup>3</sup> / <sub>8</sub>   | 3/4                            | 5/8                            | 1 <sup>3</sup> / <sub>32</sub>  | 9/16 | 3/8                             | 1 <sup>3</sup> / <sub>8</sub>   |      |                                |
| 500         | 350  | 1    | J6AR           | 3 <sup>1</sup> / <sub>16</sub>    | 1 <sup>7</sup> / <sub>16</sub>  | 1 <sup>13</sup> / <sub>32</sub> | 1 <sup>5</sup> / <sub>8</sub>   | 3/4                            | 5/16                           | 9/16                           | 3/8                               | 1 <sup>9</sup> / <sub>16</sub>  | ALJ6AR                          | 3 <sup>1</sup> / <sub>16</sub>  | 1 <sup>9</sup> / <sub>16</sub>  | 1 <sup>5</sup> / <sub>8</sub>   | 1 <sup>5</sup> / <sub>8</sub>   | 1 <sup>5</sup> / <sub>8</sub>  | 1 <sup>9</sup> / <sub>32</sub> | 9/16                            | 3/8  | 1 <sup>9</sup> / <sub>16</sub>  |                                 |      |                                |
| 500         | 350  | 2    |                | J6AR2N                            | 4 <sup>3</sup> / <sub>4</sub>   | 1 <sup>7</sup> / <sub>16</sub>  | 1 <sup>13</sup> / <sub>32</sub> | 3 <sup>5</sup> / <sub>16</sub> | 5/8                            | 5/16                           | 9/16                              | 3/8                             | 1 <sup>9</sup> / <sub>16</sub>  | ALJ6AR2N                        | 4 <sup>15</sup> / <sub>16</sub> | 1 <sup>5</sup> / <sub>8</sub>   | 1 <sup>5</sup> / <sub>8</sub>   | 3 <sup>3</sup> / <sub>8</sub>  | 3/4                            | 1 <sup>5</sup> / <sub>32</sub>  | 9/16 | 3/8                             | 1 <sup>9</sup> / <sub>16</sub>  |      |                                |
| 500         | 350  | 4    |                | J6AR4N                            | 4 <sup>3</sup> / <sub>4</sub>   | 3                               | 1 <sup>13</sup> / <sub>32</sub> | 3 <sup>5</sup> / <sub>16</sub> | 5/8                            | 5/16                           | 9/16                              | 3/8                             | 1 <sup>9</sup> / <sub>16</sub>  | ALJ6AR4N                        | 4 <sup>15</sup> / <sub>16</sub> | 3                               | 1 <sup>5</sup> / <sub>8</sub>   | 3 <sup>3</sup> / <sub>8</sub>  | 5/8                            | 1 <sup>5</sup> / <sub>32</sub>  | 9/16 | 3/8                             | 1 <sup>9</sup> / <sub>16</sub>  |      |                                |
| 750         | 500  | 1    | J7AR           | 3 <sup>17</sup> / <sub>32</sub>   | 1 <sup>11</sup> / <sub>16</sub> | 1 <sup>11</sup> / <sub>16</sub> | 1 <sup>27</sup> / <sub>32</sub> | 7/8                            | 3/8                            | 2 <sup>1</sup> / <sub>32</sub> | 7/16                              | 1 <sup>29</sup> / <sub>32</sub> | ALJ7AR                          | 3 <sup>11</sup> / <sub>16</sub> | 1 <sup>13</sup> / <sub>16</sub> | 1 <sup>15</sup> / <sub>16</sub> | 1 <sup>7</sup> / <sub>8</sub>   | 5/8                            | 5/8                            | 2 <sup>1</sup> / <sub>32</sub>  | 7/16 | 1 <sup>13</sup> / <sub>16</sub> |                                 |      |                                |
| 750         | 500  | 2    |                | J7AR2N                            | 5 <sup>1</sup> / <sub>32</sub>  | 1 <sup>11</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>32</sub>  | 5/8                            | 3/8                            | 9/16                           | 7/16                              | 1 <sup>29</sup> / <sub>32</sub> | ALJ7AR2N                        | 5 <sup>1</sup> / <sub>16</sub>  | 1 <sup>7</sup> / <sub>8</sub>   | 1 <sup>15</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>2</sub>   | 7/8                            | 5/8                            | 1 <sup>29</sup> / <sub>32</sub> | 7/16 | 1 <sup>13</sup> / <sub>16</sub> |                                 |      |                                |
| 750         | 500  | 4    |                | J7AR4N                            | 5 <sup>1</sup> / <sub>32</sub>  | 3                               | 1 <sup>11</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>32</sub> | 5/8                            | 3/8                            | 9/16                              | 7/16                            | 1 <sup>29</sup> / <sub>32</sub> | ALJ7AR4N                        | 5 <sup>1</sup> / <sub>16</sub>  | 3                               | 1 <sup>15</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>2</sub>  | 5/8                            | 5/8                             | 9/16 | 7/16                            | 1 <sup>13</sup> / <sub>16</sub> |      |                                |
| 1000        | 750  | 1    | J8AR           | 4 <sup>1</sup> / <sub>8</sub>     | 1 <sup>15</sup> / <sub>16</sub> | 1 <sup>15</sup> / <sub>16</sub> | 2 <sup>1</sup> / <sub>8</sub>   | 1                              | 7/16                           | 1 <sup>1</sup> / <sub>16</sub> | 1/2                               | 2 <sup>5</sup> / <sub>32</sub>  | ALJ8AR                          | 4 <sup>3</sup> / <sub>16</sub>  | 2 <sup>1</sup> / <sub>16</sub>  | 2 <sup>1</sup> / <sub>16</sub>  | 2 <sup>1</sup> / <sub>8</sub>   | 5/8                            | 2 <sup>1</sup> / <sub>32</sub> | 1 <sup>1</sup> / <sub>16</sub>  | 1/2  | 2 <sup>1</sup> / <sub>16</sub>  |                                 |      |                                |
| 1000        | 750  | 2    |                | J8AR2N                            | 5 <sup>3</sup> / <sub>8</sub>   | 1 <sup>15</sup> / <sub>16</sub> | 1 <sup>15</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub>  | 5/8                            | 7/16                           | 9/16                              | 1/2                             | 2 <sup>5</sup> / <sub>32</sub>  | ALJ8AR2N                        | 5 <sup>1</sup> / <sub>16</sub>  | 3                               | 2 <sup>1</sup> / <sub>16</sub>  | 3 <sup>1</sup> / <sub>2</sub>  | 1                              | 2 <sup>1</sup> / <sub>32</sub>  | 9/16 | 1/2                             | 2 <sup>1</sup> / <sub>16</sub>  |      |                                |
| 1000        | 750  | 4    |                | J8AR4N                            | 5 <sup>3</sup> / <sub>8</sub>   | 3                               | 1 <sup>15</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub>  | 5/8                            | 7/16                           | 9/16                              | 1/2                             | 2 <sup>5</sup> / <sub>32</sub>  | ALJ8AR4N                        | 5 <sup>1</sup> / <sub>16</sub>  | 3 <sup>1</sup> / <sub>4</sub>   | 2 <sup>1</sup> / <sub>16</sub>  | 3 <sup>1</sup> / <sub>2</sub>  | 5/8                            | 2 <sup>1</sup> / <sub>32</sub>  | 9/16 | 1/2                             | 2 <sup>1</sup> / <sub>16</sub>  |      |                                |

\*\* Holes in Tang



## JJAR SERIES

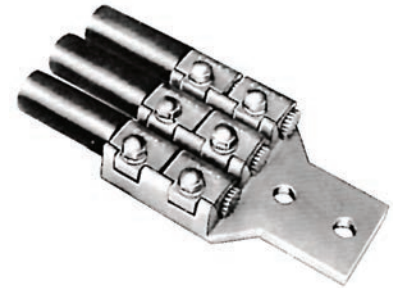
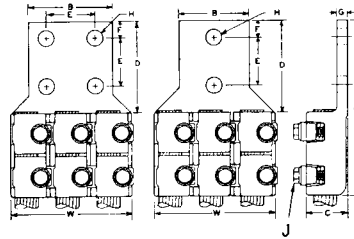
Terminal lugs, one cable 90°

| Cable Range |      | H.T. | Catalog Number | BRONZE CONNECTORS                 |                                 |                                 |                                 |                                |                                 |                                | DUAL-RATED ALUMINUM CONNECTORS    |                                |                                |                                 |                                 |                                 |                                 |                                |                                |                                |                                |                                |                                |                               |      |
|-------------|------|------|----------------|-----------------------------------|---------------------------------|---------------------------------|---------------------------------|--------------------------------|---------------------------------|--------------------------------|-----------------------------------|--------------------------------|--------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-------------------------------|------|
| Max.        | Min. |      |                | Dimension in Inches (Approximate) |                                 |                                 |                                 |                                |                                 |                                | Dimension in Inches (Approximate) |                                |                                |                                 |                                 |                                 |                                 |                                |                                |                                |                                |                                |                                |                               |      |
|             |      |      |                | A                                 | B                               | C                               | D                               | F                              | G                               | H                              | J                                 | W                              | Number                         | A                               | B                               | C                               | D                               | F                              | G                              | H                              | J                              | W                              |                                |                               |      |
| #1          | #4   | 1    | JJ2AR          | 1 <sup>3</sup> / <sub>4</sub>     | 3/4                             | 1 <sup>13</sup> / <sub>16</sub> | 3/16                            | 3/8                            | 3/16                            | 1 <sup>3</sup> / <sub>32</sub> | 5/16                              | 1 <sup>3</sup> / <sub>4</sub>  | ALJJ2AR<br>ALJJ2AR2N           | 1 <sup>15</sup> / <sub>16</sub> | 1 <sup>5</sup> / <sub>16</sub>  | 1 <sup>5</sup> / <sub>16</sub>  | 1                               | 7/16                           | 1/4                            | 9/32                           | 5/16                           | 3 <sup>5</sup> / <sub>8</sub>  |                                |                               |      |
| 1/0         | #4   | 1    |                | JJ3AR                             | 2 <sup>1</sup> / <sub>16</sub>  | 1 <sup>5</sup> / <sub>16</sub>  | 1 <sup>13</sup> / <sub>16</sub> | 1                              | 7/16                            | 7/32                           | 1 <sup>3</sup> / <sub>32</sub>    | 5/16                           |                                | 2 <sup>1</sup> / <sub>8</sub>   | 4 <sup>3</sup> / <sub>16</sub>  | 1 <sup>1</sup> / <sub>16</sub>  | 1 <sup>5</sup> / <sub>16</sub>  | 1 <sup>5</sup> / <sub>16</sub> | 3/4                            | 5/8                            | 1/4                            | 9/16                           | 5/16                           | 3 <sup>5</sup> / <sub>8</sub> |      |
| 1/0         | #4   | 2    |                |                                   | JJ4AR                           | 2 <sup>5</sup> / <sub>16</sub>  | 1 <sup>1</sup> / <sub>16</sub>  | 1                              | 1 <sup>1</sup> / <sub>8</sub>   | 9/16                           | 1/4                               | 9/16                           |                                | 5/16                            | 2 <sup>7</sup> / <sub>16</sub>  | 2 <sup>7</sup> / <sub>16</sub>  | 1 <sup>3</sup> / <sub>16</sub>  | 1 <sup>3</sup> / <sub>16</sub> | 1 <sup>3</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>2</sub>  | 1 <sup>1</sup> / <sub>16</sub> | 1 <sup>3</sup> / <sub>32</sub> | 1 <sup>7</sup> / <sub>32</sub> | 3/8                           | 4    |
| 2/0         | 1/0  | 1    |                |                                   |                                 | JJ4AR2N                         | 4 <sup>3</sup> / <sub>16</sub>  | 1 <sup>1</sup> / <sub>16</sub> | 1 <sup>13</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>8</sub>  | 5/8                               | 7/32                           |                                | 9/16                            | 5/16                            | 2 <sup>1</sup> / <sub>8</sub>   | 4 <sup>7</sup> / <sub>16</sub>  | 1 <sup>1</sup> / <sub>4</sub>  | 1 <sup>3</sup> / <sub>16</sub> | 1 <sup>3</sup> / <sub>16</sub> | 3/4                            | 5/8                            | 5/16                           | 9/16                          | 5/16 |
| 350         | 4/0  | 1    | JJ5AR          | 2 <sup>11</sup> / <sub>16</sub>   | 1 <sup>1</sup> / <sub>4</sub>   | 1 <sup>1</sup> / <sub>4</sub>   | 1 <sup>3</sup> / <sub>8</sub>   | 9/16                           | 9/32                            | 9/16                           | 3/8                               | 2 <sup>1</sup> / <sub>4</sub>  | ALJJ5AR                        | 2 <sup>7</sup> / <sub>8</sub>   | 1 <sup>3</sup> / <sub>8</sub>   | 1 <sup>3</sup> / <sub>8</sub>   | 1 <sup>1</sup> / <sub>2</sub>   | 1 <sup>1</sup> / <sub>16</sub> | 1 <sup>3</sup> / <sub>32</sub> | 1 <sup>7</sup> / <sub>32</sub> | 3/8                            | 4                              |                                |                               |      |
| 350         | 4/0  | 2    |                | JJ5AR2N                           | 4 <sup>9</sup> / <sub>8</sub>   | 1 <sup>1</sup> / <sub>4</sub>   | 1 <sup>1</sup> / <sub>4</sub>   | 3 <sup>1</sup> / <sub>16</sub> | 5/8                             | 9/32                           | 9/16                              | 3/8                            | 2 <sup>1</sup> / <sub>4</sub>  | ALJJ5AR2N                       | 4 <sup>7</sup> / <sub>8</sub>   | 1 <sup>3</sup> / <sub>8</sub>   | 1 <sup>3</sup> / <sub>8</sub>   | 3/4                            | 5/8                            | 1 <sup>3</sup> / <sub>32</sub> | 9/16                           | 3/8                            | 4                              |                               |      |
| 350         | 4/0  | 4    |                | JJ5AR4N                           | 4 <sup>5</sup> / <sub>8</sub>   | 3                               | 1 <sup>1</sup> / <sub>4</sub>   | 3 <sup>5</sup> / <sub>16</sub> | 5/8                             | 9/32                           | 9/16                              | 3/8                            | 2 <sup>1</sup> / <sub>4</sub>  | ALJJ5AR4N                       | 4 <sup>7</sup> / <sub>8</sub>   | 3                               | 1 <sup>3</sup> / <sub>8</sub>   | 3/4                            | 5/8                            | 1 <sup>3</sup> / <sub>32</sub> | 9/16                           | 3/8                            | 4                              |                               |      |
| 500         | 350  | 1    | JJ6AR          | 3 <sup>1</sup> / <sub>8</sub>     | 1 <sup>7</sup> / <sub>16</sub>  | 1 <sup>7</sup> / <sub>16</sub>  | 1 <sup>5</sup> / <sub>8</sub>   | 3/4                            | 5/16                            | 9/16                           | 3/8                               | 3 <sup>1</sup> / <sub>4</sub>  | ALJJ6AR                        | 3 <sup>3</sup> / <sub>16</sub>  | 1 <sup>9</sup> / <sub>16</sub>  | 1 <sup>5</sup> / <sub>8</sub>   | 1 <sup>5</sup> / <sub>8</sub>   | 3/4                            | 1 <sup>5</sup> / <sub>32</sub> | 9/16                           | 3/8                            | 4 <sup>1</sup> / <sub>8</sub>  |                                |                               |      |
| 500         | 350  | 2    |                | JJ6AR2N                           | 4 <sup>7</sup> / <sub>8</sub>   | 1 <sup>7</sup> / <sub>16</sub>  | 1 <sup>7</sup> / <sub>16</sub>  | 3 <sup>3</sup> / <sub>8</sub>  | 5/8                             | 5/16                           | 9/16                              | 3/8                            | 3 <sup>1</sup> / <sub>4</sub>  | ALJJ6AR2N                       | 4 <sup>15</sup> / <sub>16</sub> | 1 <sup>5</sup> / <sub>8</sub>   | 1 <sup>5</sup> / <sub>8</sub>   | 3 <sup>3</sup> / <sub>8</sub>  | 5/8                            | 1 <sup>5</sup> / <sub>32</sub> | 9/16                           | 3/8                            | 4 <sup>1</sup> / <sub>8</sub>  |                               |      |
| 500         | 350  | 4    |                | JJ6AR4N                           | 4 <sup>7</sup> / <sub>8</sub>   | 3                               | 1 <sup>7</sup> / <sub>16</sub>  | 3 <sup>5</sup> / <sub>8</sub>  | 5/8                             | 5/16                           | 9/16                              | 3/8                            | 3 <sup>1</sup> / <sub>4</sub>  | ALJJ6AR4N                       | 4 <sup>15</sup> / <sub>16</sub> | 3                               | 1 <sup>5</sup> / <sub>8</sub>   | 3 <sup>3</sup> / <sub>8</sub>  | 5/8                            | 1 <sup>5</sup> / <sub>32</sub> | 9/16                           | 3/8                            | 4 <sup>1</sup> / <sub>8</sub>  |                               |      |
| 750         | 500  | 1    | JJ7AR          | 3 <sup>9</sup> / <sub>16</sub>    | 1 <sup>11</sup> / <sub>16</sub> | 1 <sup>3</sup> / <sub>4</sub>   | 1 <sup>13</sup> / <sub>16</sub> | 3/4                            | 3/8                             | 9/16                           | 7/16                              | 3 <sup>3</sup> / <sub>4</sub>  | ALJJ7AR                        | 3 <sup>11</sup> / <sub>16</sub> | 1 <sup>13</sup> / <sub>16</sub> | 1 <sup>15</sup> / <sub>16</sub> | 1 <sup>7</sup> / <sub>8</sub>   | 7/8                            | 5/8                            | 2 <sup>1</sup> / <sub>32</sub> | 7/16                           | 4 <sup>3</sup> / <sub>4</sub>  |                                |                               |      |
| 750         | 500  | 2    |                | JJ7AR2N                           | 5 <sup>1</sup> / <sub>8</sub>   | 1 <sup>11</sup> / <sub>16</sub> | 1 <sup>3</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>8</sub>  | 5/8                             | 3/8                            | 9/16                              | 7/16                           | 3 <sup>3</sup> / <sub>4</sub>  | ALJJ7AR2N                       | 5 <sup>1</sup> / <sub>16</sub>  | 1 <sup>7</sup> / <sub>8</sub>   | 1 <sup>15</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>2</sub>  | 5/8                            | 5/8                            | 9/16                           | 7/16                           | 4 <sup>3</sup> / <sub>4</sub>  |                               |      |
| 750         | 500  | 4    |                | JJ7AR4N                           | 5 <sup>1</sup> / <sub>8</sub>   | 3                               | 1 <sup>3</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>8</sub>  | 5/8                             | 3/8                            | 9/16                              | 7/16                           | 3 <sup>3</sup> / <sub>4</sub>  | ALJJ7AR4N                       | 5 <sup>1</sup> / <sub>16</sub>  | 3                               | 1 <sup>15</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>2</sub>  | 5/8                            | 5/8                            | 9/16                           | 7/16                           | 4 <sup>3</sup> / <sub>4</sub>  |                               |      |
| 1000        | 750  | 1    | JJ8AR          | 3 <sup>15</sup> / <sub>16</sub>   | 1 <sup>15</sup> / <sub>16</sub> | 1 <sup>15</sup> / <sub>16</sub> | 1 <sup>15</sup> / <sub>16</sub> | 7/8                            | 7/16                            | 9/16                           | 1/2                               | 4 <sup>7</sup> / <sub>16</sub> | ALJJ8AR                        | 4 <sup>3</sup> / <sub>16</sub>  | 2 <sup>1</sup> / <sub>16</sub>  | 2 <sup>1</sup> / <sub>16</sub>  | 2 <sup>1</sup> / <sub>8</sub>   | 1                              | 2 <sup>1</sup> / <sub>32</sub> | 1 <sup>1</sup> / <sub>16</sub> | 1/2                            | 5 <sup>1</sup> / <sub>4</sub>  |                                |                               |      |
| 1000        | 750  | 2    |                | JJ8AR2N                           | 5 <sup>3</sup> / <sub>8</sub>   | 1 <sup>15</sup> / <sub>16</sub> | 1 <sup>15</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub>  | 5/8                             | 7/16                           | 9/16                              | 1/2                            | 4 <sup>7</sup> / <sub>16</sub> | ALJJ8AR2N                       | 5 <sup>1</sup> / <sub>16</sub>  | 3                               | 2 <sup>1</sup> / <sub>16</sub>  | 3 <sup>1</sup> / <sub>2</sub>  | 5/8                            | 2 <sup>1</sup> / <sub>32</sub> | 9/16                           | 1/2                            | 5 <sup>1</sup> / <sub>4</sub>  |                               |      |
| 1000        | 750  | 4    |                | JJ8AR4N                           | 5 <sup>3</sup> / <sub>8</sub>   | 3                               | 1 <sup>15</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub>  | 5/8                             | 7/16                           | 9/16                              | 1/2                            | 4 <sup>7</sup> / <sub>16</sub> | ALJJ8AR4N                       | 5 <sup>1</sup> / <sub>16</sub>  | 3 <sup>1</sup> / <sub>4</sub>   | 2 <sup>1</sup> / <sub>16</sub>  | 3 <sup>1</sup> / <sub>2</sub>  | 5/8                            | 2 <sup>1</sup> / <sub>32</sub> | 9/16                           | 1/2                            | 5 <sup>1</sup> / <sub>4</sub>  |                               |      |

\*\* Holes in Tang







### 3JJA SERIES

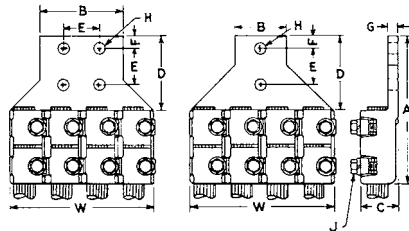
Terminal lugs, three cables, straight

| Cable Range |      |      | BRONZE CONNECTORS |                                   |         |         |        |       |      |      | DUAL-RATED ALUMINUM CONNECTORS |                |                                   |       |         |        |       |        |      |         |
|-------------|------|------|-------------------|-----------------------------------|---------|---------|--------|-------|------|------|--------------------------------|----------------|-----------------------------------|-------|---------|--------|-------|--------|------|---------|
| Max.        | Min. | H.T. | Catalog Number    | Dimension in Inches (Approximate) |         |         |        |       |      |      |                                | Catalog Number | Dimension in Inches (Approximate) |       |         |        |       |        |      |         |
|             |      |      |                   | A                                 | B       | C       | D      | F     | G    | J    | W                              |                | A                                 | B     | C       | D      | F     | G      | J    | W       |
| 1/0         | #4   | 2    | 3JJ3A2N           | 4 1/8                             | 1 7/8   | 1 3/16  | 3 1/4  | 5/8   | 1/4  | 5/16 | 3 3/16                         | AL3JJ2A2N      | 6 3/4                             | 1 7/8 | 1 5/16  | 3 1/4  | 5/8   | 3/32   | 5/16 | 3 1/16  |
| 2/0         | 1/0  | 2    |                   | AL3JJ4A2N                         | 7       | 1 7/8   | 1 3/16 | 3 1/4 | 5/8  | 5/16 | 5/16                           | 3 13/16        | AL3JJ4A4N                         | 7     | 3       | 1 3/16 | 3 1/4 | 5/8    | 5/16 | 5/16    |
| 4/0         | 1/0  | 2    | 3JJ4A2N           | 5 11/16                           | 1 7/8   | 1       | 3 1/4  | 5/8   | 1/4  | 5/16 | 3 9/16                         | AL3JJ5A2N      | 7 1/2                             | 2 1/4 | 1 3/8   | 3 3/8  | 5/8   | 1 3/32 | 3/8  | 4 3/8   |
| 4/0         | 1/0  | 4    |                   |                                   |         |         |        |       |      |      |                                |                |                                   |       |         |        |       |        |      |         |
| 4/0         | 2/0  | 2    | 3JJ6A2N           | 6 5/8                             | 2 1/2   | 1 7/16  | 3 3/8  | 5/8   | 3/8  | 3/8  | 4 1/2                          | AL3JJ6A2N      | 7 7/8                             | 2 1/2 | 1 5/8   | 3 1/2  | 5/8   | 1 5/32 | 3/8  | 4 15/16 |
| 4/0         | 2/0  | 4    | 3JJ6A4N           | 6 5/8                             | 3       | 1 7/16  | 3 3/8  | 5/8   | 3/8  | 3/8  | 4 1/2                          | AL3JJ6A4N      | 7 7/8                             | 3     | 1 5/8   | 3 1/2  | 5/8   | 1 5/32 | 3/8  | 4 15/16 |
| 350         | 4/0  | 2    | 3JJ5A2N           | 6 1/16                            | 2 29/32 | 1 1/4   | 3 5/16 | 5/8   | 5/16 | 3/8  | 3 15/16                        | AL3JJ5A2N      | 7 1/2                             | 2 1/4 | 1 3/8   | 3 3/8  | 5/8   | 1 3/32 | 3/8  | 4 3/8   |
| 350         | 4/0  | 4    | 3JJ5A4N           | 6 1/16                            | 3       | 1 1/4   | 3 5/16 | 5/8   | 5/16 | 3/8  | 3 15/16                        | AL3JJ5A4N      | 7 1/2                             | 3     | 1 3/8   | 3 3/8  | 5/8   | 1 3/32 | 3/8  | 4 3/8   |
| 500         | 350  | 2    | 3JJ7A2N           | 7 1/8                             | 3       | 1 3/4   | 3 3/8  | 5/8   | 7/16 | 7/16 | 5 1/8                          | AL3JJ7A2N      | 8 1/4                             | 3     | 1 15/16 | 3 1/2  | 3/4   | 5/8    | 7/16 | 5 11/16 |
| 500         | 350  | 4    | 3JJ7A4N           | 7 1/8                             | 3       | 1 3/4   | 3 3/8  | 5/8   | 7/16 | 7/16 | 5 1/8                          | AL3JJ7A4N      | 8 1/4                             | 3     | 1 15/16 | 3 1/2  | 3/4   | 5/8    | 7/16 | 5 11/16 |
| 750         | 500  | 2    | 3JJ8A2N           | 7 13/16                           | 3 3/32  | 1 15/16 | 3 3/8  | 5/8   | 1/2  | 1/2  | 6                              | AL3JJ8A2N      | 8 7/8                             | 3 1/4 | 2 3/16  | 3 1/2  | 7/8   | 2 1/32 | 1/2  | 6 7/16  |
| 750         | 500  | 4    | 3JJ8A4N           | 7 13/16                           | 3 3/32  | 1 15/16 | 3 3/8  | 5/8   | 1/2  | 1/2  | 6                              | AL3JJ8A4N      | 8 7/8                             | 3 1/4 | 2 3/16  | 3 1/2  | 7/8   | 2 1/32 | 1/2  | 6 7/16  |

\*\* Holes in Tang

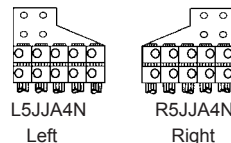
### 4JJA SERIES

Terminal lugs, four cables, straight



|     |     |   |         |         |       |         |       |     |      |      |        |           |        |       |         |       |     |        |      |         |
|-----|-----|---|---------|---------|-------|---------|-------|-----|------|------|--------|-----------|--------|-------|---------|-------|-----|--------|------|---------|
| 4/0 | 1/0 | 2 | 4JJ4A2N | 5 11/16 | 2     | 1       | 3 1/4 | 5/8 | 1/4  | 5/16 | 4 7/16 | AL4JJ4A2N | 7      | 2     | 1 3/16  | 3 3/8 | 5/8 | 5/16   | 5/16 | 5 1/16  |
| 4/0 | 1/0 | 4 |         |         |       |         |       |     |      |      |        | AL4JJ4A4N | 7      | 3     | 1 3/16  | 3 3/8 | 5/8 | 5/16   | 5/16 | 5 1/16  |
| 4/0 | 2/0 | 2 | 4JJ5A2N | 6 1/16  | 2     | 1 1/4   | 3 3/8 | 5/8 | 5/16 | 3/8  | 5 1/16 | AL4JJ5A2N | 7 1/2  | 2     | 1 3/8   | 3 3/8 | 5/8 | 1 3/32 | 3/8  | 5 13/16 |
| 4/0 | 2/0 | 4 |         |         |       |         |       |     |      |      |        | 4JJ5A4N   | 6 1/16 | 3     | 1 1/4   | 3 3/8 | 5/8 | 5/16   | 3/8  | 5 13/16 |
| 350 | 4/0 | 2 | 4JJ6A2N | 6 5/8   | 2 1/2 | 1 7/16  | 3 1/2 | 5/8 | 3/8  | 3/8  | 6      | AL4JJ6A2N | 8      | 2 1/2 | 1 5/8   | 3 3/8 | 5/8 | 1 5/32 | 3/8  | 6 5/8   |
| 350 | 4/0 | 4 | 4JJ6A4N | 6 5/8   | 4     | 1 7/16  | 3 1/2 | 5/8 | 3/8  | 3/8  | 6      | AL4JJ6A4N | 8      | 4     | 1 5/8   | 3 3/8 | 5/8 | 1 5/32 | 3/8  | 6 5/8   |
| 500 | 350 | 2 | 4JJ7A2N | 7 1/8   | 4     | 1 3/4   | 3 3/4 | 5/8 | 7/16 | 7/16 | 6 3/16 | AL4JJ7A2N | 8 5/8  | 4     | 1 15/16 | 3 3/8 | 5/8 | 5/8    | 7/16 | 7 5/8   |
| 500 | 350 | 4 | 4JJ7A4N | 7 1/8   | 4     | 1 3/4   | 3 3/4 | 5/8 | 7/16 | 7/16 | 6 3/16 | AL4JJ7A4N | 8 5/8  | 4     | 1 15/16 | 3 3/8 | 5/8 | 5/8    | 7/16 | 7 5/8   |
| 750 | 500 | 2 | 4JJ8A2N | 7 13/16 | 4 1/2 | 1 15/16 | 4 1/8 | 7/8 | 1/2  | 1/2  | 8      | AL4JJ8A2N | 9 5/8  | 4 1/2 | 2 3/16  | 4 1/8 | 5/8 | 2 1/32 | 1/2  | 8 5/8   |
| 750 | 500 | 4 | 4JJ8A4N | 7 13/16 | 4 1/2 | 1 15/16 | 4 1/8 | 7/8 | 1/2  | 1/2  | 8      | AL4JJ8A4N | 9 5/8  | 4 1/2 | 2 3/16  | 4 1/8 | 5/8 | 2 1/32 | 1/2  | 8 5/8   |

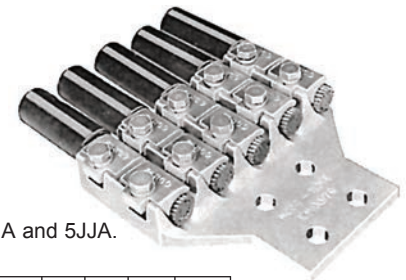
E = 1 3/4"  
H = 9/16"



### 5JJA SERIES

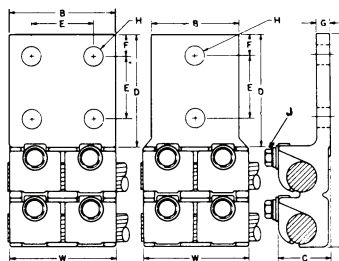
Terminal lugs, five cables, straight

Left and right hand tangs available on types 4JJA and 5JJA. Add prefix L for left, R for right (i.e. L5JJ4A4N)



|      |     |   |         |         |       |         |       |     |      |      |         |           |       |       |         |       |     |        |      |         |
|------|-----|---|---------|---------|-------|---------|-------|-----|------|------|---------|-----------|-------|-------|---------|-------|-----|--------|------|---------|
| 4/0  | 1/0 | 4 | 5JJ4A4N | 5 11/16 | 3     | 1       | 3 1/4 | 5/8 | 1/4  | 5/16 | 5 11/16 | AL5JJ4A4N | 7     | 3     | 1 3/16  | 3 3/8 | 5/8 | 5/16   | 5/16 | 6 7/16  |
| 4/0  | 2/0 | 4 |         |         |       |         |       |     |      |      |         | AL5JJ5A4N | 7 1/2 | 3     | 1 3/8   | 3 3/8 | 5/8 | 1 3/32 | 3/8  | 7 3/8   |
| 350  | 4/0 | 4 | 5JJ5A4N | 6 1/16  | 3     | 1 1/4   | 3 3/8 | 5/8 | 5/16 | 3/8  | 6 1/2   | AL5JJ5A4N | 7 1/2 | 3     | 1 3/8   | 3 3/8 | 5/8 | 1 3/32 | 3/8  | 7 3/8   |
| 500  | 350 | 4 | 5JJ6A4N | 6 5/8   | 4     | 1 7/16  | 3 1/2 | 5/8 | 3/8  | 3/8  | 7 11/16 | AL5JJ6A4N | 8     | 4     | 1 5/8   | 3 3/8 | 5/8 | 1 5/32 | 3/8  | 8 5/16  |
| 750  | 500 | 4 | 5JJ7A4N | 7 1/8   | 4     | 1 3/4   | 3 3/4 | 5/8 | 7/16 | 7/16 | 8 15/16 | AL5JJ7A4N | 8 5/8 | 4     | 1 15/16 | 3 3/8 | 5/8 | 5/8    | 7/16 | 8 5/16  |
| 1000 | 750 | 4 | 5JJ8A4N | 7 13/16 | 4 1/2 | 1 15/16 | 4 1/8 | 7/8 | 1/2  | 1/8  | 10 3/16 | AL5JJ8A4N | 9 5/8 | 4 1/2 | 2 3/16  | 4 1/8 | 7/8 | 2 1/32 | 1/2  | 10 3/16 |

Also available with six or more cable capacity.

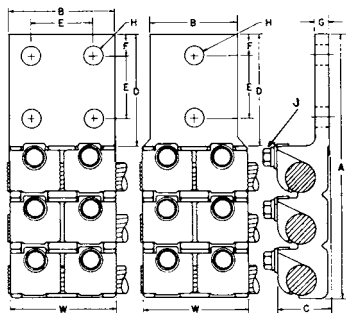


## 2JJAR SERIES

Terminal lugs, two cables

| Cable Range |      |      | BRONZE CONNECTORS |                                   |                                 |                                 |                                |                                |                                |                                 | DUAL-RATED ALUMINUM CONNECTORS |                                 |                                   |                                 |                               |                                 |                                |                               |  |  |
|-------------|------|------|-------------------|-----------------------------------|---------------------------------|---------------------------------|--------------------------------|--------------------------------|--------------------------------|---------------------------------|--------------------------------|---------------------------------|-----------------------------------|---------------------------------|-------------------------------|---------------------------------|--------------------------------|-------------------------------|--|--|
| Max.        | Min. | H.T. | Catalog Number    | Dimension in Inches (Approximate) |                                 |                                 |                                |                                |                                |                                 |                                | Catalog Number                  | Dimension in Inches (Approximate) |                                 |                               |                                 |                                |                               |  |  |
|             |      | **   |                   | A                                 | B                               | C                               | D                              | G                              | J                              | W                               | A                              |                                 | B                                 | C                               | D                             | G                               | J                              | W                             |  |  |
| #1          | #4   | 2    | 2JJ2AR2N          | 4 <sup>3</sup> / <sub>4</sub>     | 1 <sup>5</sup> / <sub>16</sub>  | 3 <sup>3</sup> / <sub>4</sub>   | 3                              | 7 <sup>7</sup> / <sub>32</sub> | 5 <sup>5</sup> / <sub>16</sub> | 1 <sup>11</sup> / <sub>16</sub> | AL2JJ2AR2N                     | 5 <sup>1</sup> / <sub>4</sub>   | 1 <sup>1</sup> / <sub>8</sub>     | 1 <sup>5</sup> / <sub>16</sub>  | 3 <sup>1</sup> / <sub>4</sub> | 9 <sup>9</sup> / <sub>32</sub>  | 5 <sup>5</sup> / <sub>16</sub> | 3 <sup>5</sup> / <sub>8</sub> |  |  |
| 1/0         | #4   | 2    |                   |                                   |                                 |                                 |                                |                                |                                |                                 |                                |                                 |                                   |                                 |                               |                                 |                                |                               |  |  |
| 2/0         | 1/0  | 2    | 2JJ3AR2N          | 5 <sup>1</sup> / <sub>8</sub>     | 1 <sup>11</sup> / <sub>16</sub> | 1 <sup>3</sup> / <sub>16</sub>  | 3 <sup>1</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>4</sub>  | 5 <sup>5</sup> / <sub>16</sub> | 2 <sup>1</sup> / <sub>8</sub>   | AL2JJ4AR2N                     | 5 <sup>11</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>8</sub>     | 1 <sup>3</sup> / <sub>16</sub>  | 3 <sup>1</sup> / <sub>4</sub> | 5 <sup>5</sup> / <sub>16</sub>  | 5 <sup>5</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>4</sub> |  |  |
| 4/0         | 1/0  | 2    |                   |                                   |                                 |                                 |                                |                                |                                |                                 | AL2JJ4AR4N                     | 5 <sup>11</sup> / <sub>16</sub> | 3                                 | 1 <sup>3</sup> / <sub>16</sub>  | 3 <sup>1</sup> / <sub>4</sub> | 5 <sup>5</sup> / <sub>16</sub>  | 5 <sup>5</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>4</sub> |  |  |
| 4/0         | 1/0  | 4    | 2JJ4AR2N          | 5 <sup>7</sup> / <sub>16</sub>    | 1 <sup>1</sup> / <sub>8</sub>   | 1                               | 3 <sup>1</sup> / <sub>4</sub>  | 1 <sup>1</sup> / <sub>4</sub>  | 5 <sup>5</sup> / <sub>16</sub> | 2 <sup>1</sup> / <sub>16</sub>  |                                |                                 |                                   |                                 |                               |                                 |                                |                               |  |  |
| 4/0         | 2/0  | 2    | 2JJ4AR4N          | 5 <sup>7</sup> / <sub>16</sub>    | 3                               | 1                               | 3 <sup>1</sup> / <sub>4</sub>  | 1 <sup>1</sup> / <sub>4</sub>  | 5 <sup>5</sup> / <sub>16</sub> | 2 <sup>1</sup> / <sub>16</sub>  |                                |                                 |                                   |                                 |                               |                                 |                                |                               |  |  |
| 4/0         | 2/0  | 4    |                   |                                   |                                 |                                 |                                |                                |                                |                                 |                                |                                 |                                   |                                 |                               |                                 |                                |                               |  |  |
| 350         | 4/0  | 2    | 2JJ5AR2N          | 5 <sup>15</sup> / <sub>16</sub>   | 2 <sup>29</sup> / <sub>32</sub> | 1 <sup>1</sup> / <sub>4</sub>   | 3 <sup>5</sup> / <sub>16</sub> | 5 <sup>5</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub>  | 2 <sup>3</sup> / <sub>4</sub>   | AL2JJ5AR2N                     | 6 <sup>1</sup> / <sub>4</sub>   | 2 <sup>1</sup> / <sub>4</sub>     | 1 <sup>3</sup> / <sub>8</sub>   | 3 <sup>3</sup> / <sub>8</sub> | 1 <sup>13</sup> / <sub>32</sub> | 3 <sup>3</sup> / <sub>8</sub>  | 4                             |  |  |
| 350         | 4/0  | 4    | 2JJ5AR4N          | 5 <sup>15</sup> / <sub>16</sub>   | 3                               | 1 <sup>1</sup> / <sub>4</sub>   | 3 <sup>5</sup> / <sub>16</sub> | 5 <sup>5</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub>  | 2 <sup>3</sup> / <sub>4</sub>   | AL2JJ5AR4N                     | 6 <sup>1</sup> / <sub>4</sub>   | 3                                 | 1 <sup>3</sup> / <sub>8</sub>   | 3 <sup>3</sup> / <sub>8</sub> | 1 <sup>13</sup> / <sub>32</sub> | 3 <sup>3</sup> / <sub>8</sub>  | 4                             |  |  |
| 500         | 350  | 2    | 2JJ6AR2N          | 6 <sup>3</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>2</sub>   | 1 <sup>7</sup> / <sub>16</sub>  | 3 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub>  | 3 <sup>1</sup> / <sub>4</sub>   | AL2JJ6AR2N                     | 6 <sup>3</sup> / <sub>4</sub>   | 2 <sup>1</sup> / <sub>2</sub>     | 1 <sup>5</sup> / <sub>8</sub>   | 3 <sup>1</sup> / <sub>2</sub> | 1 <sup>15</sup> / <sub>32</sub> | 3 <sup>3</sup> / <sub>8</sub>  | 4 <sup>1</sup> / <sub>8</sub> |  |  |
| 500         | 350  | 4    | 2JJ6AR4N          | 6 <sup>3</sup> / <sub>8</sub>     | 3                               | 1 <sup>7</sup> / <sub>16</sub>  | 3 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub>  | 3 <sup>1</sup> / <sub>4</sub>   | AL2JJ6AR4N                     | 6 <sup>3</sup> / <sub>4</sub>   | 3                                 | 1 <sup>5</sup> / <sub>8</sub>   | 3 <sup>1</sup> / <sub>2</sub> | 1 <sup>15</sup> / <sub>32</sub> | 3 <sup>3</sup> / <sub>8</sub>  | 4 <sup>1</sup> / <sub>8</sub> |  |  |
| 750         | 500  | 2    | 2JJ7AR2N          | 6 <sup>13</sup> / <sub>16</sub>   | 3                               | 1 <sup>3</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>8</sub>  | 7 <sup>1</sup> / <sub>16</sub> | 7 <sup>1</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>4</sub>   | AL2JJ7AR2N                     | 7 <sup>1</sup> / <sub>8</sub>   | 3                                 | 1 <sup>15</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>2</sub> | 5 <sup>5</sup> / <sub>8</sub>   | 7 <sup>1</sup> / <sub>16</sub> | 4 <sup>3</sup> / <sub>4</sub> |  |  |
| 750         | 500  | 4    | 2JJ7AR4N          | 6 <sup>13</sup> / <sub>16</sub>   | 3                               | 1 <sup>3</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>8</sub>  | 7 <sup>1</sup> / <sub>16</sub> | 7 <sup>1</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>4</sub>   | AL2JJ7AR4N                     | 7 <sup>1</sup> / <sub>8</sub>   | 3                                 | 1 <sup>15</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>2</sub> | 5 <sup>5</sup> / <sub>8</sub>   | 7 <sup>1</sup> / <sub>16</sub> | 4 <sup>3</sup> / <sub>4</sub> |  |  |
| 1000        | 750  | 2    | 2JJ8AR2N          | 7 <sup>3</sup> / <sub>8</sub>     | 3 <sup>7</sup> / <sub>32</sub>  | 1 <sup>15</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub>  | 1 <sup>1</sup> / <sub>2</sub>  | 4 <sup>7</sup> / <sub>16</sub>  | AL2JJ8AR2N                     | 7 <sup>3</sup> / <sub>4</sub>   | 3 <sup>1</sup> / <sub>4</sub>     | 2 <sup>3</sup> / <sub>16</sub>  | 3 <sup>1</sup> / <sub>2</sub> | 2 <sup>13</sup> / <sub>32</sub> | 1 <sup>1</sup> / <sub>2</sub>  | 5 <sup>1</sup> / <sub>4</sub> |  |  |
| 1000        | 750  | 4    | 2JJ8AR4N          | 7 <sup>3</sup> / <sub>8</sub>     | 3 <sup>7</sup> / <sub>32</sub>  | 1 <sup>15</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub>  | 1 <sup>1</sup> / <sub>2</sub>  | 4 <sup>7</sup> / <sub>16</sub>  | AL2JJ8AR4N                     | 7 <sup>3</sup> / <sub>4</sub>   | 3 <sup>1</sup> / <sub>4</sub>     | 2 <sup>3</sup> / <sub>16</sub>  | 3 <sup>1</sup> / <sub>2</sub> | 2 <sup>13</sup> / <sub>32</sub> | 1 <sup>1</sup> / <sub>2</sub>  | 5 <sup>1</sup> / <sub>4</sub> |  |  |

\*\* Holes in Tang



## 3JJAR SERIES

Terminal lugs, three cables, 90°

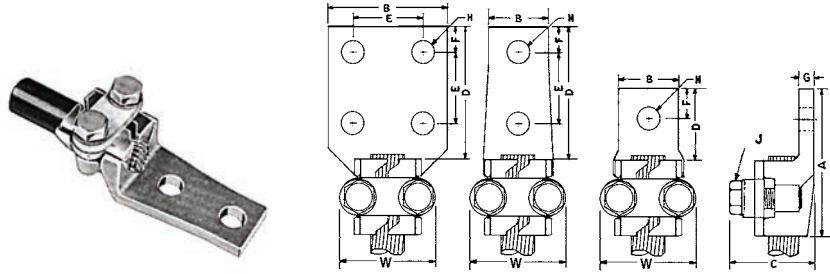
|      |     |   |          |                                 |                                 |                                 |                                |                                |                                |                                |            |                                |                               |                                 |                               |                                 |                                |                               |
|------|-----|---|----------|---------------------------------|---------------------------------|---------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------|--------------------------------|-------------------------------|---------------------------------|-------------------------------|---------------------------------|--------------------------------|-------------------------------|
| #1   | #4  | 2 | 3JJ2AR2N | 5 <sup>11</sup> / <sub>16</sub> | 1 <sup>5</sup> / <sub>16</sub>  | 1 <sup>3</sup> / <sub>16</sub>  | 3                              | 7 <sup>7</sup> / <sub>32</sub> | 5 <sup>5</sup> / <sub>16</sub> | 1 <sup>3</sup> / <sub>4</sub>  | AL3JJ2AR2N | 6 <sup>5</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>8</sub> | 1 <sup>5</sup> / <sub>16</sub>  | 3 <sup>1</sup> / <sub>4</sub> | 9 <sup>9</sup> / <sub>32</sub>  | 5 <sup>5</sup> / <sub>16</sub> | 3 <sup>5</sup> / <sub>8</sub> |
| 1/0  | #4  | 2 |          |                                 |                                 |                                 |                                |                                |                                |                                |            |                                |                               |                                 |                               |                                 |                                |                               |
| 2/0  | 1/0 | 2 | 3JJ3AR2N | 6 <sup>3</sup> / <sub>16</sub>  | 1 <sup>11</sup> / <sub>16</sub> | 1 <sup>3</sup> / <sub>16</sub>  | 3 <sup>1</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>4</sub>  | 5 <sup>5</sup> / <sub>16</sub> | 2 <sup>1</sup> / <sub>8</sub>  | AL3JJ4AR2N | 7 <sup>1</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>8</sub> | 1 <sup>3</sup> / <sub>16</sub>  | 3 <sup>1</sup> / <sub>4</sub> | 5 <sup>5</sup> / <sub>16</sub>  | 5 <sup>5</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>4</sub> |
| 4/0  | 1/0 | 2 |          |                                 |                                 |                                 |                                |                                |                                |                                | AL3JJ4AR4N | 7 <sup>1</sup> / <sub>16</sub> | 3                             | 1 <sup>3</sup> / <sub>16</sub>  | 3 <sup>1</sup> / <sub>4</sub> | 5 <sup>5</sup> / <sub>16</sub>  | 5 <sup>5</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>4</sub> |
| 4/0  | 1/0 | 4 | 3JJ4AR2N | 6 <sup>5</sup> / <sub>8</sub>   | 1 <sup>7</sup> / <sub>8</sub>   | 1                               | 3 <sup>1</sup> / <sub>4</sub>  | 1 <sup>1</sup> / <sub>4</sub>  | 5 <sup>5</sup> / <sub>16</sub> | 2 <sup>1</sup> / <sub>16</sub> |            |                                |                               |                                 |                               |                                 |                                |                               |
| 4/0  | 2/0 | 2 | 3JJ4AR4N | 6 <sup>5</sup> / <sub>8</sub>   | 3                               | 1                               | 3 <sup>1</sup> / <sub>4</sub>  | 1 <sup>1</sup> / <sub>4</sub>  | 5 <sup>5</sup> / <sub>16</sub> | 2 <sup>1</sup> / <sub>16</sub> |            |                                |                               |                                 |                               |                                 |                                |                               |
| 4/0  | 2/0 | 4 |          |                                 |                                 |                                 |                                |                                |                                |                                |            |                                |                               |                                 |                               |                                 |                                |                               |
| 350  | 4/0 | 2 | 3JJ5AR2N | 7 <sup>1</sup> / <sub>4</sub>   | 2 <sup>29</sup> / <sub>32</sub> | 1 <sup>1</sup> / <sub>4</sub>   | 3 <sup>5</sup> / <sub>16</sub> | 5 <sup>5</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub>  | 2 <sup>3</sup> / <sub>4</sub>  | AL3JJ5AR2N | 7 <sup>3</sup> / <sub>4</sub>  | 2 <sup>1</sup> / <sub>4</sub> | 1 <sup>3</sup> / <sub>8</sub>   | 3 <sup>3</sup> / <sub>8</sub> | 1 <sup>13</sup> / <sub>32</sub> | 3 <sup>3</sup> / <sub>8</sub>  | 4                             |
| 350  | 4/0 | 4 | 3JJ5AR4N | 7 <sup>1</sup> / <sub>4</sub>   | 3                               | 1 <sup>1</sup> / <sub>4</sub>   | 3 <sup>5</sup> / <sub>16</sub> | 5 <sup>5</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub>  | 2 <sup>3</sup> / <sub>4</sub>  | AL3JJ5AR4N | 7 <sup>3</sup> / <sub>4</sub>  | 3                             | 1 <sup>3</sup> / <sub>8</sub>   | 3 <sup>3</sup> / <sub>8</sub> | 1 <sup>13</sup> / <sub>32</sub> | 3 <sup>3</sup> / <sub>8</sub>  | 4                             |
| 500  | 350 | 2 | 3JJ6AR2N | 7 <sup>7</sup> / <sub>8</sub>   | 2 <sup>1</sup> / <sub>2</sub>   | 1 <sup>7</sup> / <sub>16</sub>  | 3 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub>  | 3 <sup>1</sup> / <sub>4</sub>  | AL3JJ6AR2N | 8 <sup>1</sup> / <sub>16</sub> | 2 <sup>1</sup> / <sub>2</sub> | 1 <sup>5</sup> / <sub>8</sub>   | 3 <sup>1</sup> / <sub>2</sub> | 1 <sup>15</sup> / <sub>32</sub> | 3 <sup>3</sup> / <sub>8</sub>  | 4 <sup>1</sup> / <sub>8</sub> |
| 500  | 350 | 4 | 3JJ6AR4N | 7 <sup>7</sup> / <sub>8</sub>   | 3                               | 1 <sup>7</sup> / <sub>16</sub>  | 3 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub>  | 3 <sup>1</sup> / <sub>4</sub>  | AL3JJ6AR4N | 8 <sup>5</sup> / <sub>16</sub> | 3                             | 1 <sup>5</sup> / <sub>8</sub>   | 3 <sup>1</sup> / <sub>2</sub> | 1 <sup>15</sup> / <sub>32</sub> | 3 <sup>3</sup> / <sub>8</sub>  | 4 <sup>1</sup> / <sub>8</sub> |
| 750  | 500 | 2 | 3JJ7AR2N | 8 <sup>1</sup> / <sub>2</sub>   | 3                               | 1 <sup>3</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>8</sub>  | 7 <sup>1</sup> / <sub>16</sub> | 7 <sup>1</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>4</sub>  | AL3JJ7AR2N | 9 <sup>3</sup> / <sub>16</sub> | 3                             | 1 <sup>15</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>2</sub> | 5 <sup>5</sup> / <sub>8</sub>   | 7 <sup>1</sup> / <sub>16</sub> | 4 <sup>3</sup> / <sub>4</sub> |
| 750  | 500 | 4 | 3JJ7AR4N | 8 <sup>1</sup> / <sub>2</sub>   | 3                               | 1 <sup>3</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>8</sub>  | 7 <sup>1</sup> / <sub>16</sub> | 7 <sup>1</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>4</sub>  | AL3JJ7AR4N | 9 <sup>3</sup> / <sub>16</sub> | 3                             | 1 <sup>15</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>2</sub> | 5 <sup>5</sup> / <sub>8</sub>   | 7 <sup>1</sup> / <sub>16</sub> | 4 <sup>3</sup> / <sub>4</sub> |
| 1000 | 750 | 2 | 3JJ8AR2N | 9 <sup>3</sup> / <sub>8</sub>   | 3 <sup>7</sup> / <sub>32</sub>  | 1 <sup>15</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub>  | 1 <sup>1</sup> / <sub>2</sub>  | 4 <sup>7</sup> / <sub>16</sub> | AL3JJ8AR2N | 9 <sup>1</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>4</sub> | 2 <sup>3</sup> / <sub>16</sub>  | 3 <sup>1</sup> / <sub>2</sub> | 2 <sup>13</sup> / <sub>32</sub> | 1 <sup>1</sup> / <sub>2</sub>  | 5 <sup>1</sup> / <sub>4</sub> |
| 1000 | 750 | 4 | 3JJ8AR4N | 9 <sup>3</sup> / <sub>8</sub>   | 3 <sup>7</sup> / <sub>32</sub>  | 1 <sup>15</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub>  | 1 <sup>1</sup> / <sub>2</sub>  | 4 <sup>7</sup> / <sub>16</sub> | AL3JJ8AR4N | 9 <sup>1</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>4</sub> | 2 <sup>3</sup> / <sub>16</sub>  | 3 <sup>1</sup> / <sub>2</sub> | 2 <sup>13</sup> / <sub>32</sub> | 1 <sup>1</sup> / <sub>2</sub>  | 5 <sup>1</sup> / <sub>4</sub> |

\*\* Holes in Tang

E = 1<sup>3</sup>/<sub>4</sub>"  
 F = 5<sup>5</sup>/<sub>8</sub>"  
 H = 9<sup>5</sup>/<sub>16</sub>"

## XPA SERIES

Terminal lugs, one cable, straight

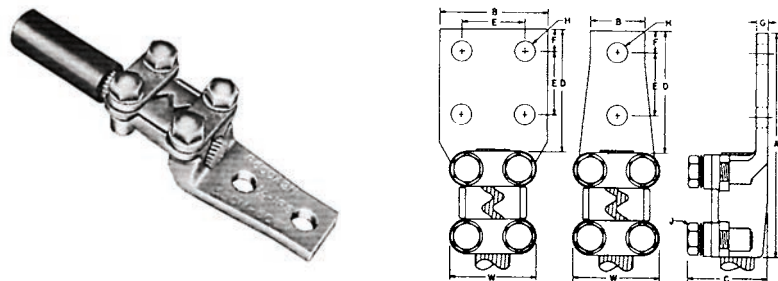


| Cable Range |      | H.T. | Catalog Number | BRONZE CONNECTORS                 |                               |                                |                               |                               |                               |                                |                               | DUAL-RATED ALUMINUM CONNECTORS    |                                 |                                 |                                |                               |                               |                                |                                |                                |                               |                               |
|-------------|------|------|----------------|-----------------------------------|-------------------------------|--------------------------------|-------------------------------|-------------------------------|-------------------------------|--------------------------------|-------------------------------|-----------------------------------|---------------------------------|---------------------------------|--------------------------------|-------------------------------|-------------------------------|--------------------------------|--------------------------------|--------------------------------|-------------------------------|-------------------------------|
| Max.        | Min. |      |                | Dimension in Inches (Approximate) |                               |                                |                               |                               |                               |                                |                               | Dimension in Inches (Approximate) |                                 |                                 |                                |                               |                               |                                |                                |                                |                               |                               |
|             |      |      |                | A                                 | B                             | C                              | D                             | F                             | G                             | J                              | W                             | Number                            | A                               | B                               | C                              | D                             | F                             | G                              | J                              | W                              |                               |                               |
| 1/0         | 6    | 1    | XP11A          | 3 <sup>3</sup> / <sub>4</sub>     | 1 <sup>1</sup> / <sub>2</sub> | 1 <sup>1</sup> / <sub>4</sub>  | 1 <sup>3</sup> / <sub>4</sub> | 3 <sup>3</sup> / <sub>4</sub> | 3 <sup>1</sup> / <sub>4</sub> | 3 <sup>1</sup> / <sub>8</sub>  | 2                             | ALXP11A                           | 3 <sup>3</sup> / <sub>4</sub>   | 1 <sup>1</sup> / <sub>2</sub>   | 1 <sup>1</sup> / <sub>4</sub>  | 1 <sup>3</sup> / <sub>4</sub> | 3 <sup>3</sup> / <sub>4</sub> | 3 <sup>1</sup> / <sub>4</sub>  | 3 <sup>1</sup> / <sub>8</sub>  | 2                              |                               |                               |
| 1/0         | 6    | 2    | XP11A2N        | 4 <sup>3</sup> / <sub>4</sub>     | 1 <sup>1</sup> / <sub>2</sub> | 1 <sup>1</sup> / <sub>4</sub>  | 3 <sup>3</sup> / <sub>4</sub> | 5 <sup>5</sup> / <sub>8</sub> | 3 <sup>1</sup> / <sub>4</sub> | 3 <sup>1</sup> / <sub>8</sub>  | 2                             | ALXP11A2N                         | 4 <sup>3</sup> / <sub>4</sub>   | 1 <sup>1</sup> / <sub>2</sub>   | 1 <sup>1</sup> / <sub>4</sub>  | 3 <sup>3</sup> / <sub>4</sub> | 5 <sup>5</sup> / <sub>8</sub> | 3 <sup>1</sup> / <sub>4</sub>  | 3 <sup>1</sup> / <sub>8</sub>  | 2                              |                               |                               |
| 1/0         | 6    | 4    | XP11A4N        | 4 <sup>3</sup> / <sub>4</sub>     | 3                             | 1 <sup>1</sup> / <sub>4</sub>  | 3 <sup>3</sup> / <sub>4</sub> | 5 <sup>5</sup> / <sub>8</sub> | 3 <sup>1</sup> / <sub>4</sub> | 3 <sup>1</sup> / <sub>8</sub>  | 2                             | ALXP11A4N                         | 4 <sup>3</sup> / <sub>4</sub>   | 3                               | 1 <sup>1</sup> / <sub>4</sub>  | 3 <sup>3</sup> / <sub>4</sub> | 5 <sup>5</sup> / <sub>8</sub> | 3 <sup>1</sup> / <sub>4</sub>  | 3 <sup>1</sup> / <sub>8</sub>  | 2                              |                               |                               |
| 1/0         | 6    | 1    | XP12A          | 3 <sup>5</sup> / <sub>16</sub>    | 1 <sup>1</sup> / <sub>2</sub> | 1 <sup>1</sup> / <sub>4</sub>  | 1 <sup>3</sup> / <sub>4</sub> | 3 <sup>3</sup> / <sub>4</sub> | 3 <sup>1</sup> / <sub>4</sub> | 3 <sup>1</sup> / <sub>8</sub>  | 2 <sup>1</sup> / <sub>4</sub> | ALXP12A                           | 3 <sup>5</sup> / <sub>16</sub>  | 1 <sup>1</sup> / <sub>2</sub>   | 1 <sup>1</sup> / <sub>4</sub>  | 1 <sup>3</sup> / <sub>4</sub> | 3 <sup>3</sup> / <sub>4</sub> | 3 <sup>1</sup> / <sub>4</sub>  | 3 <sup>1</sup> / <sub>8</sub>  | 2 <sup>1</sup> / <sub>4</sub>  |                               |                               |
| 1/0         | 6    | 2    | XP12A2N        | 4 <sup>13</sup> / <sub>16</sub>   | 1 <sup>1</sup> / <sub>2</sub> | 1 <sup>1</sup> / <sub>4</sub>  | 3 <sup>3</sup> / <sub>4</sub> | 5 <sup>5</sup> / <sub>8</sub> | 3 <sup>1</sup> / <sub>4</sub> | 3 <sup>1</sup> / <sub>8</sub>  | 2 <sup>1</sup> / <sub>4</sub> | ALXP12A2N                         | 4 <sup>13</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>2</sub>   | 1 <sup>1</sup> / <sub>4</sub>  | 3 <sup>3</sup> / <sub>4</sub> | 5 <sup>5</sup> / <sub>8</sub> | 3 <sup>1</sup> / <sub>4</sub>  | 3 <sup>1</sup> / <sub>8</sub>  | 2 <sup>1</sup> / <sub>4</sub>  |                               |                               |
| 1/0         | 6    | 4    | XP12A4N        | 4 <sup>13</sup> / <sub>16</sub>   | 3                             | 1 <sup>1</sup> / <sub>4</sub>  | 3 <sup>3</sup> / <sub>4</sub> | 5 <sup>5</sup> / <sub>8</sub> | 3 <sup>1</sup> / <sub>4</sub> | 3 <sup>1</sup> / <sub>8</sub>  | 2 <sup>1</sup> / <sub>4</sub> | ALXP12A4N                         | 4 <sup>13</sup> / <sub>16</sub> | 3                               | 1 <sup>1</sup> / <sub>4</sub>  | 3 <sup>3</sup> / <sub>4</sub> | 5 <sup>5</sup> / <sub>8</sub> | 3 <sup>1</sup> / <sub>4</sub>  | 3 <sup>1</sup> / <sub>8</sub>  | 2 <sup>1</sup> / <sub>4</sub>  |                               |                               |
| 250         | 1/0  | 1    | XP13A          | 3 <sup>7</sup> / <sub>16</sub>    | 1 <sup>1</sup> / <sub>2</sub> | 1 <sup>3</sup> / <sub>8</sub>  | 1 <sup>3</sup> / <sub>4</sub> | 3 <sup>3</sup> / <sub>4</sub> | 3 <sup>1</sup> / <sub>4</sub> | 5 <sup>9</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>8</sub> | 2                                 | ALXP13A                         | 3 <sup>7</sup> / <sub>16</sub>  | 1 <sup>1</sup> / <sub>2</sub>  | 1 <sup>3</sup> / <sub>8</sub> | 1 <sup>3</sup> / <sub>4</sub> | 3 <sup>3</sup> / <sub>4</sub>  | 5 <sup>9</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>8</sub>  | 2                             |                               |
| 250         | 1/0  | 2    | XP13A2N        | 4 <sup>15</sup> / <sub>16</sub>   | 1 <sup>1</sup> / <sub>2</sub> | 1 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>4</sub> | 5 <sup>5</sup> / <sub>8</sub> | 3 <sup>1</sup> / <sub>4</sub> | 5 <sup>9</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>8</sub> | 2                                 | ALXP13A2N                       | 4 <sup>15</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>2</sub>  | 1 <sup>3</sup> / <sub>8</sub> | 3 <sup>3</sup> / <sub>4</sub> | 5 <sup>5</sup> / <sub>8</sub>  | 3 <sup>1</sup> / <sub>4</sub>  | 5 <sup>9</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>8</sub> | 2                             |
| 250         | 1/0  | 4    | XP13A4N        | 4 <sup>15</sup> / <sub>16</sub>   | 3                             | 1 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>4</sub> | 5 <sup>5</sup> / <sub>8</sub> | 3 <sup>1</sup> / <sub>4</sub> | 5 <sup>9</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>8</sub> | 2                                 | ALXP13A4N                       | 4 <sup>15</sup> / <sub>16</sub> | 3                              | 1 <sup>3</sup> / <sub>8</sub> | 3 <sup>3</sup> / <sub>4</sub> | 5 <sup>5</sup> / <sub>8</sub>  | 3 <sup>1</sup> / <sub>4</sub>  | 5 <sup>9</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>8</sub> | 2                             |
| 250         | 1/0  | 1    | XP14A          | 3 <sup>5</sup> / <sub>8</sub>     | 1 <sup>1</sup> / <sub>2</sub> | 1 <sup>3</sup> / <sub>8</sub>  | 1 <sup>3</sup> / <sub>4</sub> | 3 <sup>3</sup> / <sub>4</sub> | 3 <sup>1</sup> / <sub>4</sub> | 5 <sup>9</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>8</sub> | 2 <sup>1</sup> / <sub>4</sub>     | ALXP14A                         | 3 <sup>5</sup> / <sub>8</sub>   | 1 <sup>1</sup> / <sub>2</sub>  | 1 <sup>3</sup> / <sub>8</sub> | 1 <sup>3</sup> / <sub>4</sub> | 3 <sup>3</sup> / <sub>4</sub>  | 5 <sup>9</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>8</sub>  | 2 <sup>1</sup> / <sub>4</sub> |                               |
| 250         | 1/0  | 2    | XP14A2N        | 5 <sup>5</sup> / <sub>8</sub>     | 1 <sup>1</sup> / <sub>2</sub> | 1 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>4</sub> | 5 <sup>5</sup> / <sub>8</sub> | 3 <sup>1</sup> / <sub>4</sub> | 5 <sup>9</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>8</sub> | 2 <sup>1</sup> / <sub>4</sub>     | ALXP14A2N                       | 5 <sup>5</sup> / <sub>8</sub>   | 1 <sup>1</sup> / <sub>2</sub>  | 1 <sup>3</sup> / <sub>8</sub> | 3 <sup>3</sup> / <sub>4</sub> | 5 <sup>5</sup> / <sub>8</sub>  | 3 <sup>1</sup> / <sub>4</sub>  | 5 <sup>9</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>8</sub> | 2 <sup>1</sup> / <sub>4</sub> |
| 250         | 1/0  | 4    | XP14A4N        | 5 <sup>5</sup> / <sub>8</sub>     | 3                             | 1 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>4</sub> | 5 <sup>5</sup> / <sub>8</sub> | 3 <sup>1</sup> / <sub>4</sub> | 5 <sup>9</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>8</sub> | 2 <sup>1</sup> / <sub>4</sub>     | ALXP14A4N                       | 5 <sup>5</sup> / <sub>8</sub>   | 3                              | 1 <sup>3</sup> / <sub>8</sub> | 3 <sup>3</sup> / <sub>4</sub> | 5 <sup>5</sup> / <sub>8</sub>  | 3 <sup>1</sup> / <sub>4</sub>  | 5 <sup>9</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>8</sub> | 2 <sup>1</sup> / <sub>4</sub> |
| 500         | 4/0  | 1    | XP15A          | 3 <sup>5</sup> / <sub>8</sub>     | 1 <sup>1</sup> / <sub>2</sub> | 1 <sup>3</sup> / <sub>4</sub>  | 1 <sup>3</sup> / <sub>4</sub> | 3 <sup>3</sup> / <sub>4</sub> | 3 <sup>1</sup> / <sub>4</sub> | 3 <sup>1</sup> / <sub>8</sub>  | 2 <sup>1</sup> / <sub>4</sub> | ALXP15A                           | 3 <sup>5</sup> / <sub>8</sub>   | 1 <sup>1</sup> / <sub>2</sub>   | 1 <sup>3</sup> / <sub>4</sub>  | 1 <sup>3</sup> / <sub>4</sub> | 3 <sup>3</sup> / <sub>4</sub> | 3 <sup>1</sup> / <sub>4</sub>  | 3 <sup>1</sup> / <sub>8</sub>  | 2 <sup>1</sup> / <sub>4</sub>  |                               |                               |
| 500         | 4/0  | 2    | XP15A2N        | 5 <sup>5</sup> / <sub>8</sub>     | 1 <sup>1</sup> / <sub>2</sub> | 1 <sup>3</sup> / <sub>4</sub>  | 3 <sup>3</sup> / <sub>4</sub> | 5 <sup>5</sup> / <sub>8</sub> | 3 <sup>1</sup> / <sub>4</sub> | 3 <sup>1</sup> / <sub>8</sub>  | 2 <sup>1</sup> / <sub>4</sub> | ALXP15A2N                         | 5 <sup>5</sup> / <sub>8</sub>   | 1 <sup>1</sup> / <sub>2</sub>   | 1 <sup>3</sup> / <sub>4</sub>  | 3 <sup>3</sup> / <sub>4</sub> | 5 <sup>5</sup> / <sub>8</sub> | 3 <sup>1</sup> / <sub>4</sub>  | 3 <sup>1</sup> / <sub>8</sub>  | 2 <sup>1</sup> / <sub>4</sub>  |                               |                               |
| 500         | 4/0  | 4    | XP15A4N        | 5 <sup>5</sup> / <sub>8</sub>     | 3                             | 1 <sup>3</sup> / <sub>4</sub>  | 3 <sup>3</sup> / <sub>4</sub> | 5 <sup>5</sup> / <sub>8</sub> | 3 <sup>1</sup> / <sub>4</sub> | 3 <sup>1</sup> / <sub>8</sub>  | 2 <sup>1</sup> / <sub>4</sub> | ALXP15A4N                         | 5 <sup>5</sup> / <sub>8</sub>   | 3                               | 1 <sup>3</sup> / <sub>4</sub>  | 3 <sup>3</sup> / <sub>4</sub> | 5 <sup>5</sup> / <sub>8</sub> | 3 <sup>1</sup> / <sub>4</sub>  | 3 <sup>1</sup> / <sub>8</sub>  | 2 <sup>1</sup> / <sub>4</sub>  |                               |                               |
| 1000        | 500  | 1    | XP16A          | 3 <sup>3</sup> / <sub>4</sub>     | 1 <sup>1</sup> / <sub>2</sub> | 2 <sup>5</sup> / <sub>16</sub> | 1 <sup>3</sup> / <sub>4</sub> | 3 <sup>3</sup> / <sub>4</sub> | 3 <sup>1</sup> / <sub>4</sub> | 7 <sup>1</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>2</sub> | ALXP16A                           | 3 <sup>3</sup> / <sub>4</sub>   | 1 <sup>1</sup> / <sub>2</sub>   | 2 <sup>5</sup> / <sub>16</sub> | 1 <sup>3</sup> / <sub>4</sub> | 3 <sup>3</sup> / <sub>4</sub> | 7 <sup>1</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>2</sub>  | 2 <sup>1</sup> / <sub>2</sub>  |                               |                               |
| 1000        | 500  | 2    | XP16A2N        | 5 <sup>1</sup> / <sub>4</sub>     | 1 <sup>1</sup> / <sub>2</sub> | 2 <sup>5</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>4</sub> | 5 <sup>5</sup> / <sub>8</sub> | 3 <sup>1</sup> / <sub>4</sub> | 7 <sup>1</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>2</sub> | ALXP16A2N                         | 5 <sup>1</sup> / <sub>4</sub>   | 1 <sup>1</sup> / <sub>2</sub>   | 2 <sup>5</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>4</sub> | 5 <sup>5</sup> / <sub>8</sub> | 7 <sup>1</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>2</sub>  | 2 <sup>1</sup> / <sub>2</sub>  |                               |                               |
| 1000        | 500  | 4    | XP16A4N        | 5 <sup>1</sup> / <sub>4</sub>     | 3                             | 2 <sup>5</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>4</sub> | 5 <sup>5</sup> / <sub>8</sub> | 3 <sup>1</sup> / <sub>4</sub> | 7 <sup>1</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>2</sub> | ALXP16A4N                         | 5 <sup>1</sup> / <sub>4</sub>   | 3                               | 2 <sup>5</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>4</sub> | 5 <sup>5</sup> / <sub>8</sub> | 7 <sup>1</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>2</sub>  | 2 <sup>1</sup> / <sub>2</sub>  |                               |                               |

\*\* Holes in Tang

## PA SERIES

Terminal lugs, one cable/tube straight



| Cable Range |      | IPS                           | H.T. | Catalog Number | BRONZE CONNECTORS                 |                               |                                |                                |                               |                                 |     |                                 | DUAL-RATED ALUMINUM CONNECTORS    |                                 |                               |                                |                                |                               |                                 |     |                                 |
|-------------|------|-------------------------------|------|----------------|-----------------------------------|-------------------------------|--------------------------------|--------------------------------|-------------------------------|---------------------------------|-----|---------------------------------|-----------------------------------|---------------------------------|-------------------------------|--------------------------------|--------------------------------|-------------------------------|---------------------------------|-----|---------------------------------|
| Max.        | Min. |                               |      |                | Dimension in Inches (Approximate) |                               |                                |                                |                               |                                 |     |                                 | Dimension in Inches (Approximate) |                                 |                               |                                |                                |                               |                                 |     |                                 |
|             |      |                               |      |                | A                                 | B                             | C                              | D                              | F                             | G                               | J   | W                               | Number                            | A                               | B                             | C                              | D                              | F                             | G                               | J   | W                               |
| 2/0         | #4   | 1/8                           | 2    | P2A2N          | 5 <sup>3</sup> / <sub>4</sub>     | 1 <sup>3</sup> / <sub>8</sub> | 1 <sup>5</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>4</sub>  | 5 <sup>5</sup> / <sub>8</sub> | 9 <sup>3</sup> / <sub>32</sub>  | 1/2 | 2 <sup>3</sup> / <sub>8</sub>   | ALP2A2N                           | 5 <sup>3</sup> / <sub>4</sub>   | 1 <sup>3</sup> / <sub>8</sub> | 1 <sup>5</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>4</sub>  | 5 <sup>5</sup> / <sub>8</sub> | 9 <sup>3</sup> / <sub>32</sub>  | 1/2 | 2 <sup>3</sup> / <sub>8</sub>   |
| 2/0         | #4   | 1/8                           | 4    | P2A4N          | 5 <sup>3</sup> / <sub>4</sub>     | 3                             | 1 <sup>5</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>4</sub>  | 5 <sup>5</sup> / <sub>8</sub> | 9 <sup>3</sup> / <sub>32</sub>  | 1/2 | 2 <sup>3</sup> / <sub>8</sub>   | ALP2A4N                           | 5 <sup>3</sup> / <sub>4</sub>   | 3                             | 1 <sup>5</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>4</sub>  | 5 <sup>5</sup> / <sub>8</sub> | 9 <sup>3</sup> / <sub>32</sub>  | 1/2 | 2 <sup>3</sup> / <sub>8</sub>   |
| 350         | 2/0  | 3/8                           | 2    | P4A2N          | 6 <sup>1</sup> / <sub>8</sub>     | 1 <sup>1</sup> / <sub>2</sub> | 1 <sup>3</sup> / <sub>4</sub>  | 3 <sup>3</sup> / <sub>16</sub> | 5 <sup>5</sup> / <sub>8</sub> | 5 <sup>1</sup> / <sub>16</sub>  | 1/2 | 2 <sup>3</sup> / <sub>8</sub>   | ALP4A2N                           | 6 <sup>1</sup> / <sub>8</sub>   | 1 <sup>1</sup> / <sub>2</sub> | 1 <sup>3</sup> / <sub>4</sub>  | 3 <sup>3</sup> / <sub>16</sub> | 5 <sup>5</sup> / <sub>8</sub> | 5 <sup>1</sup> / <sub>16</sub>  | 1/2 | 2 <sup>3</sup> / <sub>8</sub>   |
| 350         | 2/0  | 3/8                           | 4    | P4A4N          | 6 <sup>1</sup> / <sub>8</sub>     | 3                             | 1 <sup>3</sup> / <sub>4</sub>  | 3 <sup>3</sup> / <sub>16</sub> | 5 <sup>5</sup> / <sub>8</sub> | 5 <sup>1</sup> / <sub>16</sub>  | 1/2 | 2 <sup>3</sup> / <sub>8</sub>   | ALP4A4N                           | 6 <sup>1</sup> / <sub>8</sub>   | 3                             | 1 <sup>3</sup> / <sub>4</sub>  | 3 <sup>3</sup> / <sub>16</sub> | 5 <sup>5</sup> / <sub>8</sub> | 5 <sup>1</sup> / <sub>16</sub>  | 1/2 | 2 <sup>3</sup> / <sub>8</sub>   |
| 600         | 350  | 1/2                           | 2    | P5A2N          | 6 <sup>3</sup> / <sub>16</sub>    | 1 <sup>1</sup> / <sub>2</sub> | 2 <sup>1</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub>  | 5 <sup>5</sup> / <sub>8</sub> | 3 <sup>3</sup> / <sub>8</sub>   | 1/2 | 2 <sup>1</sup> / <sub>16</sub>  | ALP5A2N                           | 6 <sup>3</sup> / <sub>16</sub>  | 1 <sup>1</sup> / <sub>2</sub> | 2 <sup>1</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub>  | 5 <sup>5</sup> / <sub>8</sub> | 3 <sup>3</sup> / <sub>8</sub>   | 1/2 | 2 <sup>1</sup> / <sub>16</sub>  |
| 600         | 350  | 1/2                           | 4    | P5A4N          | 6 <sup>3</sup> / <sub>16</sub>    | 3                             | 2 <sup>1</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub>  | 5 <sup>5</sup> / <sub>8</sub> | 3 <sup>3</sup> / <sub>8</sub>   | 1/2 | 2 <sup>1</sup> / <sub>16</sub>  | ALP5A4N                           | 6 <sup>3</sup> / <sub>16</sub>  | 3                             | 2 <sup>1</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub>  | 5 <sup>5</sup> / <sub>8</sub> | 3 <sup>3</sup> / <sub>8</sub>   | 1/2 | 2 <sup>1</sup> / <sub>16</sub>  |
| 1000        | 600  | 3/4                           | 2    | P6A2N          | 6 <sup>1</sup> / <sub>2</sub>     | 1 <sup>3</sup> / <sub>4</sub> | 2 <sup>1</sup> / <sub>2</sub>  | 3 <sup>1</sup> / <sub>2</sub>  | 5 <sup>5</sup> / <sub>8</sub> | 15 <sup>1</sup> / <sub>32</sub> | 1/2 | 2 <sup>9</sup> / <sub>16</sub>  | ALP6A2N                           | 6 <sup>1</sup> / <sub>2</sub>   | 1 <sup>3</sup> / <sub>4</sub> | 2 <sup>1</sup> / <sub>2</sub>  | 3 <sup>1</sup> / <sub>2</sub>  | 5 <sup>5</sup> / <sub>8</sub> | 15 <sup>1</sup> / <sub>32</sub> | 1/2 | 2 <sup>9</sup> / <sub>16</sub>  |
| 1000        | 600  | 3/4                           | 4    | P6A4N          | 6 <sup>1</sup> / <sub>2</sub>     | 3                             | 2 <sup>1</sup> / <sub>2</sub>  | 3 <sup>1</sup> / <sub>2</sub>  | 5 <sup>5</sup> / <sub>8</sub> | 15 <sup>1</sup> / <sub>32</sub> | 1/2 | 2 <sup>9</sup> / <sub>16</sub>  | ALP6A4N                           | 6 <sup>1</sup> / <sub>2</sub>   | 3                             | 2 <sup>1</sup> / <sub>2</sub>  | 3 <sup>1</sup> / <sub>2</sub>  | 5 <sup>5</sup> / <sub>8</sub> | 15 <sup>1</sup> / <sub>32</sub> | 1/2 | 2 <sup>9</sup> / <sub>16</sub>  |
| 1500        | 1000 | 1                             | 2    | P7A2N          | 6 <sup>13</sup> / <sub>16</sub>   | 2                             | 2 <sup>7</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub>  | 5 <sup>5</sup> / <sub>8</sub> | 9 <sup>1</sup> / <sub>16</sub>  | 1/2 | 2 <sup>13</sup> / <sub>16</sub> | ALP7A2N                           | 6 <sup>13</sup> / <sub>16</sub> | 2                             | 2 <sup>7</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub>  | 5 <sup>5</sup> / <sub>8</sub> | 9 <sup>1</sup> / <sub>16</sub>  | 1/2 | 2 <sup>13</sup> / <sub>16</sub> |
| 1500        | 1000 | 1                             | 4    | P7A4N          | 6 <sup>13</sup> / <sub>16</sub>   | 3                             | 2 <sup>7</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub>  | 5 <sup>5</sup> / <sub>8</sub> | 9 <sup>1</sup> / <sub>16</sub>  | 1/2 | 2 <sup>13</sup> / <sub>16</sub> | ALP7A4N                           | 6 <sup>13</sup> / <sub>16</sub> | 3                             | 2 <sup>7</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub>  | 5 <sup>5</sup> / <sub>8</sub> | 9 <sup>1</sup> / <sub>16</sub>  | 1/2 | 2 <sup>13</sup> / <sub>16</sub> |
| 2000        | 1500 | 1 <sup>1</sup> / <sub>4</sub> | 2    | P8A2N          | 7 <sup>1</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>4</sub> | 3 <sup>3</sup> / <sub>4</sub>  | 3 <sup>3</sup> / <sub>4</sub>  | 5 <sup>5</sup> / <sub>8</sub> | 5 <sup>5</sup> / <sub>8</sub>   | 1/2 | 3 <sup>1</sup> / <sub>16</sub>  | ALP8A2N                           | 7 <sup>1</sup> / <sub>8</sub>   | 2 <sup>1</sup> / <sub>4</sub> | 3 <sup>3</sup> / <sub>4</sub>  | 3 <sup>3</sup> / <sub>4</sub>  | 5 <sup>5</sup> / <sub>8</sub> | 5 <sup>5</sup> / <sub>8</sub>   | 1/2 | 3 <sup>1</sup> / <sub>16</sub>  |
| 2000        | 1500 | 1 <sup>1</sup> / <sub>4</sub> | 4    | P8A4N          | 7 <sup>1</sup> / <sub>8</sub>     | 3                             | 3 <sup>3</sup> / <sub>4</sub>  | 3 <sup>3</sup> / <sub>4</sub>  | 5 <sup>5</sup> / <sub>8</sub> | 5 <sup>5</sup> / <sub>8</sub>   | 1/2 | 3 <sup>1</sup> / <sub>16</sub>  | ALP8A4N                           | 7 <sup>1</sup> / <sub>8</sub>   | 3                             | 3 <sup>3</sup> / <sub>4</sub>  | 3 <sup>3</sup> / <sub>4</sub>  | 5 <sup>5</sup> / <sub>8</sub> | 5 <sup>5</sup> / <sub>8</sub>   | 1/2 | 3 <sup>1</sup> / <sub>16</sub>  |

For PA-90 types, add suffix "90" to applicable Catalog Number.

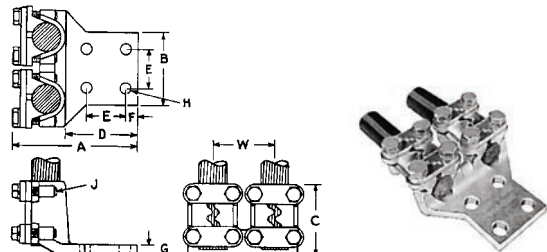
\*\* Holes in Tang

E = 1<sup>3</sup>/<sub>4</sub>"

H = 9<sup>1</sup>/<sub>16</sub>"

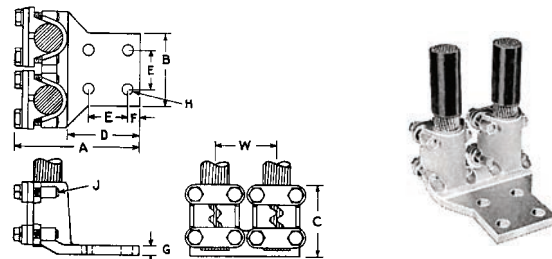
## 2PA SERIES

Terminal lugs, two cables/tube straight



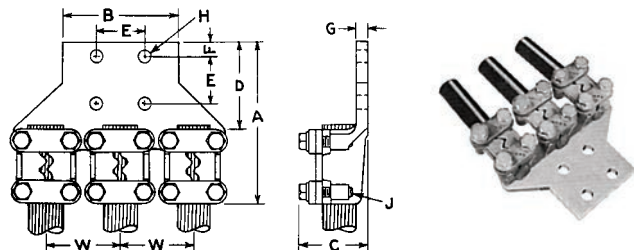
## 2PA-90 SERIES

Terminal lugs, two cables/tube 90°



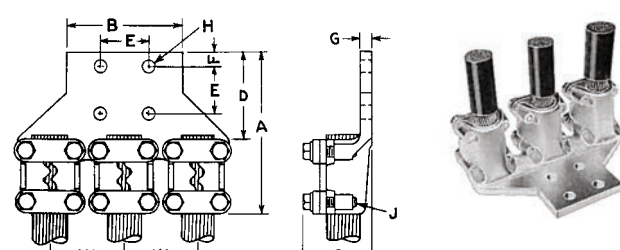
## 3PA SERIES

Terminal lugs, three cables/tube straight



## 3PA-90 SERIES

Terminal lugs, three cables/tube 90°

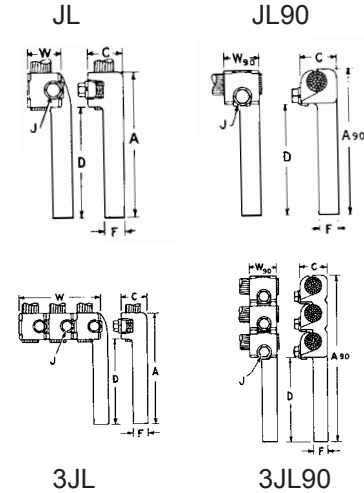
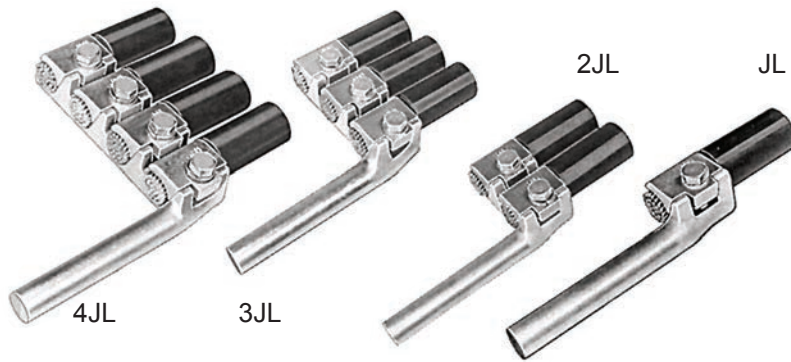


| Cable Range |      |       |   | BRONZE CONNECTORS |        |       |         |                |                                   |      |       |            |        | DUAL-RATED ALUMINUM CONNECTORS |        |                |                                   |      |       |  |  |
|-------------|------|-------|---|-------------------|--------|-------|---------|----------------|-----------------------------------|------|-------|------------|--------|--------------------------------|--------|----------------|-----------------------------------|------|-------|--|--|
|             |      |       |   | Max.              | Min.   | IPS   | ** H.T. | Catalog Number | Dimension in Inches (Approximate) |      |       |            |        |                                |        | Catalog Number | Dimension in Inches (Approximate) |      |       |  |  |
|             |      |       |   | A                 | B      | C     | D       | F              | G                                 | W    | A     | B          | C      | D                              | F      | G              | W                                 |      |       |  |  |
| 350         | 2/0  | 3/8   | 4 | 2P4A4N            | 6 1/8  | 3     | 1 3/4   | 3 5/16         | 5/8                               | 3/8  | 2 5/8 | AL2P4A4N   | 6 1/8  | 3                              | 1 3/4  | 3 5/16         | 5/8                               | 3/8  | 2 5/8 |  |  |
| 600         | 350  | 1/2   | 4 | 2P5A4N            | 6 3/16 | 3     | 2       | 3 3/8          | 5/8                               | 7/16 | 2 5/8 | AL2P5A4N   | 6 3/16 | 3                              | 2      | 3 3/8          | 5/8                               | 7/16 | 2 5/8 |  |  |
| 1000        | 600  | 3/4   | 4 | 2P6A4N            | 6 1/2  | 3     | 2 5/16  | 3 1/2          | 5/8                               | 7/16 | 3     | AL2P6A4N   | 6 1/2  | 3                              | 2 5/16 | 3 1/2          | 5/8                               | 7/16 | 3     |  |  |
| 1500        | 1000 | 1     | 4 | 2P7A4N            | 6 3/4  | 3 1/2 | 2 7/8   | 3 5/8          | 5/8                               | 9/16 | 3 1/2 | AL2P7A4N   | 6 3/4  | 3 1/2                          | 2 7/8  | 3 5/8          | 5/8                               | 9/16 | 3 1/2 |  |  |
| 2000        | 1500 | 1 1/4 | 4 | 2P8A4N            | 7 1/8  | 4     | 3 1/4   | 4              | 5/8                               | 5/8  | 3 5/8 | AL2P8A4N   | 7 1/8  | 4                              | 3 1/4  | 4              | 5/8                               | 5/8  | 3 5/8 |  |  |
| 350         | 2/0  | 3/8   | 4 | 2P4A4N90          | 5 1/16 | 3     | 3 5/16  | 3 5/16         | 5/8                               | 3/8  | 2 5/8 | AL2P4A4N90 | 5 1/16 | 3                              | 3 5/16 | 3 5/16         | 5/8                               | 3/8  | 2 5/8 |  |  |
| 600         | 350  | 1/2   | 4 | 2P5A4N90          | 5 1/2  | 3     | 3 3/8   | 3 3/8          | 5/8                               | 7/16 | 2 5/8 | AL2P5A4N90 | 5 1/2  | 3                              | 3 3/8  | 3 3/8          | 5/8                               | 7/16 | 2 5/8 |  |  |
| 1000        | 600  | 3/4   | 4 | 2P6A4N90          | 6      | 3     | 3 3/16  | 3 1/2          | 5/8                               | 7/16 | 3     | AL2P6A4N90 | 6      | 3                              | 3 3/16 | 3 1/2          | 5/8                               | 7/16 | 3     |  |  |
| 1500        | 1000 | 1     | 4 | 2P7A4N90          | 6 1/2  | 3 1/2 | 3 3/8   | 3 5/8          | 5/8                               | 9/16 | 3 1/2 | AL2P7A4N90 | 6 1/2  | 3 1/2                          | 3 3/8  | 3 5/8          | 5/8                               | 9/16 | 3 1/2 |  |  |
| 2000        | 1500 | 1 1/4 | 4 | 2P8A4N90          | 7 1/4  | 4     | 4 1/8   | 4              | 5/8                               | 5/8  | 3 5/8 | AL2P8A4N90 | 7 1/4  | 4                              | 4 1/8  | 4              | 5/8                               | 5/8  | 3 5/8 |  |  |
| 350         | 2/0  | 3/8   | 4 | 3P4A4N            | 6 1/8  | 3 1/2 | 1 3/4   | 3 3/8          | 5/8                               | 3/8  | 2 5/8 | AL3P4A4N   | 6 1/8  | 3 1/2                          | 1 3/4  | 3 3/8          | 5/8                               | 3/8  | 2 5/8 |  |  |
| 600         | 350  | 1/2   | 4 | 3P5A4N            | 6 3/16 | 4     | 2 1/8   | 3 3/8          | 5/8                               | 7/16 | 2 5/8 | AL3P5A4N   | 6 3/16 | 4                              | 2 1/8  | 3 3/8          | 5/8                               | 7/16 | 2 5/8 |  |  |
| 1000        | 600  | 3/4   | 4 | 3P6A4N            | 6 1/2  | 4     | 2 1/2   | 3 1/2          | 5/8                               | 1/2  | 3     | AL3P6A4N   | 6 1/2  | 4                              | 2 1/2  | 3 1/2          | 5/8                               | 1/2  | 3     |  |  |
| 1500        | 1000 | 1     | 4 | 3P7A4N            | 6 3/16 | 4     | 7 1/8   | 3 5/8          | 3/8                               | 9/16 | 3 1/2 | AL3P7A4N   | 6 3/16 | 4                              | 7 1/8  | 3 5/8          | 3/4                               | 9/16 | 3 1/2 |  |  |
| 2000        | 1500 | 1 1/4 | 4 | 3P8A4N            | 7 1/8  | 4 1/2 | 3 3/4   | 4              | 7/8                               | 5/8  | 3 5/8 | AL3P8A4N   | 7 1/8  | 4 1/2                          | 3 3/4  | 4              | 7/8                               | 5/8  | 3 5/8 |  |  |
| 350         | 2/0  | 3/8   | 4 | 3P4A4N90          | 5 1/16 | 3 1/2 | 3 5/16  | 3 5/16         | 5/8                               | 3/8  | 2 5/8 | AL3P4A4N90 | 5 1/16 | 3 1/2                          | 3 5/16 | 3 5/16         | 5/8                               | 3/8  | 2 5/8 |  |  |
| 600         | 350  | 1/2   | 4 | 3P5A4N90          | 5 1/2  | 4     | 3 3/8   | 3 3/8          | 5/8                               | 7/16 | 2 5/8 | AL3P5A4N90 | 5 1/2  | 4                              | 3 3/8  | 3 3/8          | 5/8                               | 7/16 | 2 5/8 |  |  |
| 1000        | 600  | 3/4   | 4 | 3P6A4N90          | 6      | 4     | 3 5/8   | 3 1/2          | 5/8                               | 1/2  | 3     | AL3P6A4N90 | 6      | 4                              | 3 5/8  | 3 1/2          | 5/8                               | 1/2  | 3     |  |  |
| 1500        | 1000 | 1     | 4 | 3P7A4N90          | 6 1/2  | 4     | 3 3/8   | 3 5/8          | 5/8                               | 9/16 | 3 1/2 | AL3P7A4N90 | 6 1/2  | 4                              | 3 3/8  | 3 5/8          | 5/8                               | 9/16 | 3 1/2 |  |  |
| 2000        | 1500 | 1 1/4 | 4 | 3P8A4N90          | 7 1/4  | 4 1/2 | 4 1/8   | 4              | 5/8                               | 5/8  | 3 5/8 | AL3P8A4N90 | 7 1/4  | 4 1/2                          | 4 1/8  | 4              | 5/8                               | 5/8  | 3 5/8 |  |  |
| 350         | 2/0  | 3/8   | 4 | 4P4A4N            | 6 1/8  | 3 1/2 | 1 3/4   | 3 3/8          | 5/8                               | 3/8  | 2 5/8 | AL4P4A4N   | 6 1/8  | 3 1/2                          | 1 3/4  | 3 3/8          | 5/8                               | 3/8  | 2 5/8 |  |  |
| 600         | 350  | 1/2   | 4 | 4P5A4N            | 6 3/16 | 4     | 2 1/8   | 3 3/8          | 5/8                               | 7/16 | 2 5/8 | AL4P5A4N   | 6 3/16 | 4                              | 2 1/8  | 3 3/8          | 5/8                               | 7/16 | 2 5/8 |  |  |
| 1000        | 600  | 3/4   | 4 | 4P6A4N            | 6 1/2  | 4     | 2 1/2   | 3 1/2          | 5/8                               | 1/2  | 3     | AL4P6A4N   | 6 1/2  | 4                              | 2 1/2  | 3 1/2          | 5/8                               | 1/2  | 3     |  |  |
| 1500        | 1000 | 1     | 4 | 4P7A4N            | 6 3/16 | 4     | 2 7/8   | 3 5/8          | 3/4                               | 9/16 | 3 1/2 | AL4P7A4N   | 6 3/16 | 4                              | 2 7/8  | 3 5/8          | 3/4                               | 9/16 | 3 1/2 |  |  |
| 2000        | 1500 | 1 1/4 | 4 | 4P8A4N            | 7 1/8  | 4 1/2 | 3 3/4   | 4              | 7/8                               | 5/8  | 3 5/8 | AL4P8A4N   | 7 1/8  | 4 1/2                          | 3 3/4  | 4              | 7/8                               | 5/8  | 3 5/8 |  |  |
| 350         | 2/0  | 3/8   | 4 | 4P4A4N90          | 5 1/16 | 3 1/2 | 3 5/16  | 3 5/16         | 5/8                               | 3/8  | 2 5/8 | AL4P4A4N90 | 5 1/16 | 3 1/2                          | 3 5/16 | 3 5/16         | 5/8                               | 3/8  | 2 5/8 |  |  |
| 600         | 350  | 1/2   | 4 | 4P5A4N90          | 5 1/2  | 4     | 3 3/8   | 3 3/8          | 5/8                               | 7/16 | 2 5/8 | AL4P5A4N90 | 5 1/2  | 4                              | 3 3/8  | 3 3/8          | 5/8                               | 7/16 | 2 5/8 |  |  |
| 1000        | 600  | 3/4   | 4 | 4P6A4N90          | 6      | 4     | 3 5/8   | 3 1/2          | 5/8                               | 1/2  | 3     | AL4P6A4N90 | 6      | 4                              | 3 5/8  | 3 1/2          | 5/8                               | 1/2  | 3     |  |  |
| 1500        | 1000 | 1     | 4 | 4P7A4N90          | 6 1/2  | 4     | 3 3/8   | 3 5/8          | 5/8                               | 9/16 | 3 1/2 | AL4P7A4N90 | 6 1/2  | 4                              | 3 3/8  | 3 5/8          | 5/8                               | 9/16 | 3 1/2 |  |  |
| 2000        | 1500 | 1 1/4 | 4 | 4P8A4N90          | 7 1/4  | 4 1/2 | 4 1/8   | 4              | 5/8                               | 5/8  | 3 5/8 | AL4P8A4N90 | 7 1/4  | 4 1/2                          | 4 1/8  | 4              | 5/8                               | 5/8  | 3 5/8 |  |  |

\*\* Holes in Tang

E = 1 3/4"  
H = 9/16"  
J = 1/2"





## JL, JL90 SERIES

Terminal adapters, one cable

| Cable Range |      | BRONZE CONNECTORS |                                   |         |         |         |       |      |        |                | DUAL-RATED ALUMINUM CONNECTORS    |        |        |         |         |       |      |         |         |
|-------------|------|-------------------|-----------------------------------|---------|---------|---------|-------|------|--------|----------------|-----------------------------------|--------|--------|---------|---------|-------|------|---------|---------|
| Max.        | Min. | Catalog Number    | Dimension in Inches (Approximate) |         |         |         |       |      |        | Catalog Number | Dimension in Inches (Approximate) |        |        |         |         |       |      |         |         |
|             |      |                   | A                                 | A90     | C       | D       | F     | J    | W      | W90            |                                   | A      | A90    | C       | D       | F     | J    | W       | W90     |
| 350         | 4/0  | <b>J5L</b>        | 5 1/2                             | —       | 1 1/4   | 4 1/8   | 5/8   | 3/8  | 1 5/16 | —              | <b>ALJ5L</b>                      | 6 1/16 | —      | 1 3/8   | 4 1/8   | 5/8   | 3/8  | 1 3/8   | —       |
| 350         | 4/0  | <b>J5L90</b>      | —                                 | 5 7/16  | 1 1/4   | 4 1/8   | 5/8   | 3/8  | —      | 1 3/8          | <b>ALJ5L90</b>                    | —      | 5 1/2  | 1 3/8   | 4 1/8   | 5/8   | 3/8  | —       | 1 15/16 |
| 500         | 350  | <b>J6L</b>        | 6 1/8                             | —       | 1 7/16  | 4 1/2   | 13/16 | 3/8  | 1 1/2  | —              | <b>ALJ6L</b>                      | 6 1/2  | —      | 1 5/8   | 4 1/2   | 13/16 | 3/8  | 1 9/16  | —       |
| 500         | 350  | <b>J6L90</b>      | —                                 | 6       | 1 7/16  | 4 1/2   | 13/16 | 3/8  | —      | 1 5/8          | <b>ALJ6L90</b>                    | —      | 6 7/16 | 1 5/8   | 4 1/2   | 13/16 | 3/8  | —       | 2       |
| 750         | 500  | <b>J7L</b>        | 7 1/16                            | —       | 1 3/4   | 5 3/16  | 15/16 | 7/16 | 1 3/4  | —              | <b>ALJ7L</b>                      | 7 1/2  | —      | 1 15/16 | 5 3/16  | 15/16 | 7/16 | 1 13/16 | —       |
| 750         | 500  | <b>J7L90</b>      | —                                 | 6 15/16 | 1 3/4   | 5 3/16  | 15/16 | 7/16 | —      | 1 7/8          | <b>ALJ7L90</b>                    | —      | 7      | 1 15/16 | 5 3/16  | 15/16 | 7/16 | —       | 2 5/16  |
| 1000        | 750  | <b>J8L</b>        | 7 7/8                             | —       | 1 15/16 | 5 11/16 | 1 1/4 | 1/2  | 2      | —              | <b>ALJ8L</b>                      | 8 1/4  | —      | 2 3/16  | 5 11/16 | 1 1/4 | 1/2  | 2 1/16  | —       |
| 1000        | 750  | <b>J8L90</b>      | —                                 | 7 11/16 | 1 15/16 | 5 11/16 | 1 1/4 | 1/2  | —      | 2 7/32         | <b>ALJ8L90</b>                    | —      | 7 3/4  | 2 3/16  | 5 11/16 | 1 1/4 | 1/2  | —       | 2 9/16  |

## 2JL, 2JL90 SERIES

Terminal adapters, two cables

|      |     |               |        |         |         |         |       |      |        |        |                 |        |         |         |         |       |      |       |         |
|------|-----|---------------|--------|---------|---------|---------|-------|------|--------|--------|-----------------|--------|---------|---------|---------|-------|------|-------|---------|
| 350  | 4/0 | <b>2J5L</b>   | 5 1/2  | —       | 1 1/4   | 4 1/8   | 5/8   | 3/8  | 2 5/8  | —      | <b>AL2J5L</b>   | 6 1/16 | —       | 1 3/8   | 4 1/8   | 5/8   | 3/8  | 2 7/8 | —       |
| 350  | 4/0 | <b>2J5L90</b> | —      | 6 3/4   | 1 1/4   | 4 1/8   | 5/8   | 3/8  | —      | 1 3/8  | <b>AL2J5L90</b> | —      | 7       | 1 3/8   | 4 1/8   | 5/8   | 3/8  | —     | 1 15/16 |
| 500  | 350 | <b>2J6L</b>   | 6 1/8  | —       | 1 7/16  | 4 1/2   | 13/16 | 3/8  | 3      | —      | <b>AL2J6L</b>   | 6 1/2  | —       | 1 5/8   | 4 1/2   | 13/16 | 3/8  | 3 1/4 | —       |
| 500  | 350 | <b>2J6L90</b> | —      | 7 1/2   | 1 7/16  | 4 1/2   | 13/16 | 3/8  | —      | 1 5/8  | <b>AL2J6L90</b> | —      | 7 3/4   | 1 5/8   | 4 1/2   | 13/16 | 3/8  | —     | 2       |
| 750  | 500 | <b>2J7L</b>   | 7 1/16 | —       | 1 3/4   | 5 3/16  | 15/16 | 7/16 | 3 7/16 | —      | <b>AL2J7L</b>   | 7 1/2  | —       | 1 15/16 | 5 3/16  | 15/16 | 7/16 | 3 5/8 | —       |
| 750  | 500 | <b>2J7L90</b> | —      | 8 5/16  | 1 3/4   | 5 3/16  | 15/16 | 7/16 | —      | 1 7/8  | <b>AL2J7L90</b> | —      | 8 13/16 | 1 15/16 | 5 3/16  | 15/16 | 7/16 | —     | 2 5/16  |
| 1000 | 750 | <b>2J8L</b>   | 7 7/8  | —       | 1 15/16 | 5 11/16 | 1 1/4 | 1/2  | 4      | —      | <b>AL2J8L</b>   | 8 1/4  | —       | 2 3/16  | 5 11/16 | 1 1/4 | 1/2  | 4 1/4 | —       |
| 1000 | 750 | <b>2J8L90</b> | —      | 9 11/16 | 1 15/16 | 5 11/16 | 1 1/4 | 1/2  | —      | 2 7/32 | <b>AL2J8L90</b> | —      | 9 15/16 | 2 3/16  | 5 11/16 | 1 1/4 | 1/2  | —     | 2 9/16  |

## 3JL, 3JL90 SERIES

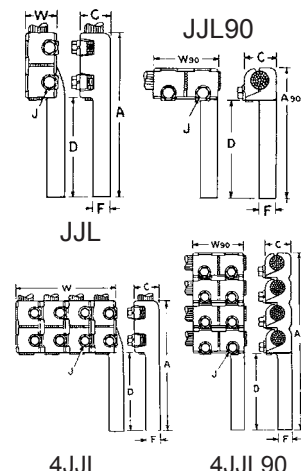
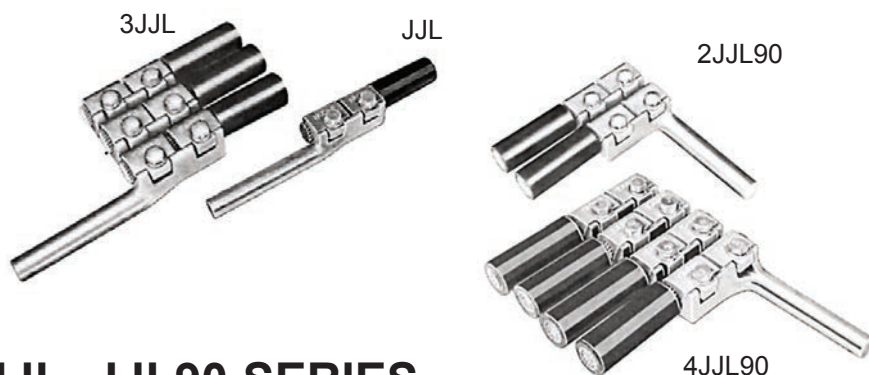
Terminal adapters, three cables

|      |     |               |        |          |         |         |       |      |         |        |                 |        |         |         |         |       |      |         |         |
|------|-----|---------------|--------|----------|---------|---------|-------|------|---------|--------|-----------------|--------|---------|---------|---------|-------|------|---------|---------|
| 350  | 4/0 | <b>3J5L</b>   | 5 1/2  | —        | 1 1/4   | 4 1/8   | 5/8   | 3/8  | 3 15/16 | —      | <b>AL3J5L</b>   | 6 1/16 | —       | 1 3/8   | 4 1/8   | 5/8   | 3/8  | 4 3/8   | —       |
| 350  | 4/0 | <b>3J5L90</b> | —      | 8 7/16   | 1 1/4   | 4 1/8   | 5/8   | 3/8  | —       | 1 3/8  | <b>AL3J5L90</b> | —      | 8 1/2   | 1 3/8   | 4 1/8   | 5/8   | 3/8  | —       | 1 15/16 |
| 500  | 350 | <b>3J6L</b>   | 6 1/8  | —        | 1 7/16  | 4 1/2   | 13/16 | 3/8  | 4 1/2   | —      | <b>AL3J6L</b>   | 6 1/2  | —       | 1 5/8   | 4 1/2   | 13/16 | 3/8  | 4 15/16 | —       |
| 500  | 350 | <b>3J6L90</b> | —      | 9        | 1 7/16  | 4 1/2   | 13/16 | 3/8  | —       | 1 5/8  | <b>AL3J6L90</b> | —      | 9 7/16  | 1 5/8   | 4 1/2   | 13/16 | 3/8  | —       | 2       |
| 750  | 500 | <b>3J7L</b>   | 7 1/16 | —        | 1 3/4   | 5 3/16  | 15/16 | 7/16 | 5 1/8   | —      | <b>AL3J7L</b>   | 7 1/2  | —       | 1 15/16 | 5 3/16  | 15/16 | 7/16 | 5 11/16 | —       |
| 750  | 500 | <b>3J7L90</b> | —      | 10 5/16  | 1 3/4   | 5 3/16  | 15/16 | 7/16 | —       | 1 7/8  | <b>AL3J7L90</b> | —      | 10 7/16 | 1 15/16 | 5 3/16  | 15/16 | 7/16 | —       | 2 5/16  |
| 1000 | 750 | <b>3J8L</b>   | 7 7/8  | —        | 1 15/16 | 5 11/16 | 1 1/4 | 1/2  | 6       | —      | <b>AL3J8L</b>   | 8 1/4  | —       | 2 3/16  | 5 11/16 | 1 1/4 | 1/2  | 6 7/16  | —       |
| 1000 | 750 | <b>3J8L90</b> | —      | 11 11/16 | 1 15/16 | 5 11/16 | 1 1/4 | 1/2  | —       | 2 7/32 | <b>AL3J8L90</b> | —      | 12 1/8  | 2 3/16  | 5 11/16 | 1 1/4 | 1/2  | —       | 2 9/16  |

## 4JL, 4JL90 SERIES

Terminal adapters, four cables

|      |     |               |        |          |         |         |       |      |         |        |                 |        |          |         |         |       |      |         |         |
|------|-----|---------------|--------|----------|---------|---------|-------|------|---------|--------|-----------------|--------|----------|---------|---------|-------|------|---------|---------|
| 350  | 4/0 | <b>4J5L</b>   | 5 1/2  | —        | 1 1/4   | 4 1/8   | 5/8   | 3/8  | 5 1/4   | —      | <b>AL4J5L</b>   | 6 1/16 | —        | 1 3/8   | 4 1/8   | 5/8   | 3/8  | 5 13/16 | —       |
| 350  | 4/0 | <b>4J5L90</b> | —      | 9 1/8    | 1 1/4   | 4 1/8   | 5/8   | 3/8  | —       | 1 3/8  | <b>AL4J5L90</b> | —      | 9 15/16  | 1 3/8   | 4 1/8   | 5/8   | 3/8  | —       | 1 15/16 |
| 500  | 350 | <b>4J6L</b>   | 6 1/8  | —        | 1 7/16  | 4 1/2   | 13/16 | 3/8  | 6       | —      | <b>AL4J6L</b>   | 6 1/2  | —        | 1 5/8   | 4 1/2   | 13/16 | 3/8  | 6 5/8   | —       |
| 500  | 350 | <b>4J6L90</b> | —      | 10 1/2   | 1 7/16  | 4 1/2   | 13/16 | 3/8  | —       | 1 5/8  | <b>AL4J6L90</b> | —      | 11 1/8   | 1 5/8   | 4 1/2   | 13/16 | 3/8  | —       | 2       |
| 750  | 500 | <b>4J7L</b>   | 7 1/16 | —        | 1 3/4   | 5 3/16  | 15/16 | 7/16 | 6 13/16 | —      | <b>AL4J7L</b>   | 7 1/2  | —        | 1 15/16 | 5 3/16  | 15/16 | 7/16 | 7 5/8   | —       |
| 750  | 500 | <b>4J7L90</b> | —      | 12       | 1 3/4   | 5 3/16  | 15/16 | 7/16 | —       | 1 7/8  | <b>AL4J7L90</b> | —      | 12 13/16 | 1 15/16 | 5 3/16  | 15/16 | 7/16 | —       | 2 5/16  |
| 1000 | 750 | <b>4J8L</b>   | 7 7/8  | —        | 1 15/16 | 5 11/16 | 1 1/4 | 1/2  | 8       | —      | <b>AL4J8L</b>   | 8 1/4  | —        | 2 3/16  | 5 11/16 | 1 1/4 | 1/2  | 8 5/8   | —       |
| 1000 | 750 | <b>4J8L90</b> | —      | 13 11/16 | 1 15/16 | 5 11/16 | 1 1/4 | 1/2  | —       | 2 7/32 | <b>AL4J8L90</b> | —      | 14 5/16  | 2 3/16  | 5 11/16 | 1 1/4 | 1/2  | —       | 2 9/16  |



## JJL, JJL90 SERIES

Terminal adapters, one cable

| Cable Range | Catalog Number | BRONZE CONNECTORS                 |                                |                                 |                                 |                                |                                  |                                | DUAL-RATED ALUMINUM CONNECTORS    |                                |          |                                  |                                |                                 |                                |                                  |                                |                                 |                               |
|-------------|----------------|-----------------------------------|--------------------------------|---------------------------------|---------------------------------|--------------------------------|----------------------------------|--------------------------------|-----------------------------------|--------------------------------|----------|----------------------------------|--------------------------------|---------------------------------|--------------------------------|----------------------------------|--------------------------------|---------------------------------|-------------------------------|
|             |                | Dimension in Inches (Approximate) |                                |                                 |                                 |                                |                                  |                                | Dimension in Inches (Approximate) |                                |          |                                  |                                |                                 |                                |                                  |                                |                                 |                               |
|             |                | A                                 | A90                            | C                               | D                               | F                              | J                                | W                              | W90                               | A                              | A90      | C                                | D                              | F                               | J                              | W                                | W90                            |                                 |                               |
| 350         | 4/0            | JJ5L                              | 6 <sup>7</sup> / <sub>8</sub>  | —                               | 1 <sup>1</sup> / <sub>4</sub>   | 4 <sup>1</sup> / <sub>8</sub>  | 5 <sup>5</sup> / <sub>8</sub>    | 3 <sup>3</sup> / <sub>8</sub>  | 1 <sup>5</sup> / <sub>16</sub>    | —                              | ALJJ5L   | 8 <sup>1</sup> / <sub>8</sub>    | —                              | 1 <sup>3</sup> / <sub>8</sub>   | 4 <sup>1</sup> / <sub>8</sub>  | 5 <sup>5</sup> / <sub>8</sub>    | 3 <sup>3</sup> / <sub>8</sub>  | 1 <sup>3</sup> / <sub>8</sub>   | —                             |
| 350         | 4/0            | JJ5L90                            | —                              | 5 <sup>7</sup> / <sub>16</sub>  | 1 <sup>1</sup> / <sub>4</sub>   | 4 <sup>1</sup> / <sub>8</sub>  | 5 <sup>5</sup> / <sub>8</sub>    | 3 <sup>3</sup> / <sub>8</sub>  | —                                 | 2 <sup>3</sup> / <sub>4</sub>  | ALJJ5L90 | —                                | 5 <sup>1</sup> / <sub>2</sub>  | 1 <sup>3</sup> / <sub>8</sub>   | 4 <sup>1</sup> / <sub>8</sub>  | 5 <sup>5</sup> / <sub>8</sub>    | 3 <sup>3</sup> / <sub>8</sub>  | —                               | 4                             |
| 500         | 350            | JJ6L                              | 7 <sup>3</sup> / <sub>4</sub>  | —                               | 1 <sup>7</sup> / <sub>16</sub>  | 4 <sup>1</sup> / <sub>2</sub>  | 13 <sup>13</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub>     | —                              | ALJJ6L   | 8 <sup>5</sup> / <sub>8</sub>    | —                              | 1 <sup>5</sup> / <sub>8</sub>   | 4 <sup>1</sup> / <sub>2</sub>  | 13 <sup>13</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub>  | 1 <sup>9</sup> / <sub>16</sub>  | —                             |
| 500         | 350            | JJ6L90                            | —                              | 6                               | 1 <sup>7</sup> / <sub>16</sub>  | 4 <sup>1</sup> / <sub>2</sub>  | 13 <sup>13</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub>  | —                                 | 3 <sup>3</sup> / <sub>4</sub>  | ALJJ6L90 | —                                | 6 <sup>1</sup> / <sub>16</sub> | 1 <sup>5</sup> / <sub>8</sub>   | 4 <sup>1</sup> / <sub>2</sub>  | 13 <sup>13</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub>  | —                               | 4 <sup>1</sup> / <sub>8</sub> |
| 750         | 500            | JJ7L                              | 9                              | —                               | 1 <sup>3</sup> / <sub>4</sub>   | 5 <sup>3</sup> / <sub>16</sub> | 15 <sup>15</sup> / <sub>16</sub> | 7 <sup>7</sup> / <sub>16</sub> | 1 <sup>3</sup> / <sub>4</sub>     | —                              | ALJJ7L   | 10 <sup>1</sup> / <sub>16</sub>  | —                              | 1 <sup>15</sup> / <sub>16</sub> | 5 <sup>3</sup> / <sub>16</sub> | 15 <sup>15</sup> / <sub>16</sub> | 7 <sup>7</sup> / <sub>16</sub> | 1 <sup>13</sup> / <sub>16</sub> | —                             |
| 750         | 500            | JJ7L90                            | —                              | 6 <sup>15</sup> / <sub>16</sub> | 1 <sup>3</sup> / <sub>4</sub>   | 5 <sup>3</sup> / <sub>16</sub> | 15 <sup>15</sup> / <sub>16</sub> | 7 <sup>7</sup> / <sub>16</sub> | —                                 | 3 <sup>3</sup> / <sub>4</sub>  | ALJJ7L90 | —                                | 7                              | 1 <sup>15</sup> / <sub>16</sub> | 5 <sup>3</sup> / <sub>16</sub> | 15 <sup>15</sup> / <sub>16</sub> | 7 <sup>7</sup> / <sub>16</sub> | —                               | 4 <sup>3</sup> / <sub>4</sub> |
| 1000        | 750            | JJ8L                              | 10 <sup>1</sup> / <sub>8</sub> | —                               | 1 <sup>15</sup> / <sub>16</sub> | 5 <sup>1</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>4</sub>    | 1 <sup>1</sup> / <sub>2</sub>  | 2                                 | —                              | ALJJ8L   | 10 <sup>15</sup> / <sub>16</sub> | —                              | 2 <sup>3</sup> / <sub>16</sub>  | 5 <sup>1</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>4</sub>    | 1 <sup>1</sup> / <sub>2</sub>  | 2 <sup>1</sup> / <sub>16</sub>  | —                             |
| 1000        | 750            | JJ8L90                            | —                              | 7 <sup>1</sup> / <sub>16</sub>  | 1 <sup>15</sup> / <sub>16</sub> | 5 <sup>1</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>4</sub>    | 1 <sup>1</sup> / <sub>2</sub>  | —                                 | 4 <sup>7</sup> / <sub>16</sub> | ALJJ8L90 | —                                | 7 <sup>3</sup> / <sub>4</sub>  | 2 <sup>3</sup> / <sub>16</sub>  | 5 <sup>1</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>4</sub>    | 1 <sup>1</sup> / <sub>2</sub>  | —                               | 5 <sup>1</sup> / <sub>4</sub> |

## 2JJL, 2JJL90 SERIES

Terminal adapters, two cables

|      |     |         |                                |                                |                                 |                                |                                  |                                |                                |                                |           |                                  |                                 |                                 |                                |                                  |                                |                               |                               |
|------|-----|---------|--------------------------------|--------------------------------|---------------------------------|--------------------------------|----------------------------------|--------------------------------|--------------------------------|--------------------------------|-----------|----------------------------------|---------------------------------|---------------------------------|--------------------------------|----------------------------------|--------------------------------|-------------------------------|-------------------------------|
| 350  | 4/0 | 2JJ5L   | 6 <sup>7</sup> / <sub>8</sub>  | —                              | 1 <sup>1</sup> / <sub>4</sub>   | 4 <sup>1</sup> / <sub>8</sub>  | 5 <sup>5</sup> / <sub>8</sub>    | 3 <sup>3</sup> / <sub>8</sub>  | 2 <sup>5</sup> / <sub>8</sub>  | —                              | AL2JJ5L   | 8 <sup>1</sup> / <sub>8</sub>    | —                               | 1 <sup>3</sup> / <sub>8</sub>   | 4 <sup>1</sup> / <sub>8</sub>  | 5 <sup>5</sup> / <sub>8</sub>    | 3 <sup>3</sup> / <sub>8</sub>  | 2 <sup>7</sup> / <sub>8</sub> | —                             |
| 350  | 4/0 | 2JJ5L90 | —                              | 6 <sup>3</sup> / <sub>4</sub>  | 1 <sup>1</sup> / <sub>4</sub>   | 4 <sup>1</sup> / <sub>8</sub>  | 5 <sup>5</sup> / <sub>8</sub>    | 3 <sup>3</sup> / <sub>8</sub>  | —                              | 2 <sup>3</sup> / <sub>4</sub>  | AL2JJ5L90 | —                                | 7                               | 1 <sup>3</sup> / <sub>8</sub>   | 4 <sup>1</sup> / <sub>8</sub>  | 5 <sup>5</sup> / <sub>8</sub>    | 3 <sup>3</sup> / <sub>8</sub>  | —                             | 4                             |
| 500  | 350 | 2JJ6L   | 7 <sup>3</sup> / <sub>4</sub>  | —                              | 1 <sup>7</sup> / <sub>16</sub>  | 4 <sup>1</sup> / <sub>2</sub>  | 13 <sup>13</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub>  | 3                              | —                              | AL2JJ6L   | 8 <sup>5</sup> / <sub>8</sub>    | —                               | 1 <sup>5</sup> / <sub>8</sub>   | 4 <sup>1</sup> / <sub>2</sub>  | 13 <sup>13</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>4</sub> | —                             |
| 500  | 350 | 2JJ6L90 | —                              | 7 <sup>1</sup> / <sub>2</sub>  | 1 <sup>7</sup> / <sub>16</sub>  | 4 <sup>1</sup> / <sub>2</sub>  | 13 <sup>13</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub>  | —                              | 3 <sup>3</sup> / <sub>4</sub>  | AL2JJ6L90 | —                                | 7 <sup>3</sup> / <sub>4</sub>   | 1 <sup>5</sup> / <sub>8</sub>   | 4 <sup>1</sup> / <sub>2</sub>  | 13 <sup>13</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub>  | —                             | 4 <sup>1</sup> / <sub>8</sub> |
| 750  | 500 | 2JJ7L   | 9                              | —                              | 1 <sup>3</sup> / <sub>4</sub>   | 5 <sup>3</sup> / <sub>16</sub> | 15 <sup>15</sup> / <sub>16</sub> | 7 <sup>7</sup> / <sub>16</sub> | 3 <sup>7</sup> / <sub>16</sub> | —                              | AL2JJ7L   | 10 <sup>1</sup> / <sub>16</sub>  | —                               | 1 <sup>15</sup> / <sub>16</sub> | 5 <sup>3</sup> / <sub>16</sub> | 15 <sup>15</sup> / <sub>16</sub> | 7 <sup>7</sup> / <sub>16</sub> | 3 <sup>5</sup> / <sub>8</sub> | —                             |
| 750  | 500 | 2JJ7L90 | —                              | 8 <sup>5</sup> / <sub>8</sub>  | 1 <sup>3</sup> / <sub>4</sub>   | 5 <sup>3</sup> / <sub>16</sub> | 15 <sup>15</sup> / <sub>16</sub> | 7 <sup>7</sup> / <sub>16</sub> | —                              | 3 <sup>3</sup> / <sub>4</sub>  | AL2JJ7L90 | —                                | 8 <sup>13</sup> / <sub>16</sub> | 1 <sup>15</sup> / <sub>16</sub> | 5 <sup>3</sup> / <sub>16</sub> | 15 <sup>15</sup> / <sub>16</sub> | 7 <sup>7</sup> / <sub>16</sub> | —                             | 4 <sup>3</sup> / <sub>4</sub> |
| 1000 | 750 | 2JJ8L   | 10 <sup>1</sup> / <sub>8</sub> | —                              | 1 <sup>15</sup> / <sub>16</sub> | 5 <sup>1</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>4</sub>    | 1 <sup>1</sup> / <sub>2</sub>  | 4                              | —                              | AL2JJ8L   | 10 <sup>15</sup> / <sub>16</sub> | —                               | 2 <sup>3</sup> / <sub>16</sub>  | 5 <sup>1</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>4</sub>    | 1 <sup>1</sup> / <sub>2</sub>  | 4 <sup>1</sup> / <sub>4</sub> | —                             |
| 1000 | 750 | 2JJ8L90 | —                              | 9 <sup>1</sup> / <sub>16</sub> | 1 <sup>15</sup> / <sub>16</sub> | 5 <sup>1</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>4</sub>    | 1 <sup>1</sup> / <sub>2</sub>  | —                              | 4 <sup>7</sup> / <sub>16</sub> | AL2JJ8L90 | —                                | 9 <sup>15</sup> / <sub>16</sub> | 2 <sup>3</sup> / <sub>16</sub>  | 5 <sup>1</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>4</sub>    | 1 <sup>1</sup> / <sub>2</sub>  | —                             | 5 <sup>1</sup> / <sub>4</sub> |

## 3JJL, 3JJL90 SERIES

Terminal adapters, three cables

|      |     |         |                                |                                 |                                 |                                |                                  |                                |                                 |                                |           |                                  |                                 |                                 |                                |                                  |                                |                                 |                               |
|------|-----|---------|--------------------------------|---------------------------------|---------------------------------|--------------------------------|----------------------------------|--------------------------------|---------------------------------|--------------------------------|-----------|----------------------------------|---------------------------------|---------------------------------|--------------------------------|----------------------------------|--------------------------------|---------------------------------|-------------------------------|
| 350  | 4/0 | 3JJ5L   | 6 <sup>7</sup> / <sub>8</sub>  | —                               | 1 <sup>1</sup> / <sub>4</sub>   | 4 <sup>1</sup> / <sub>8</sub>  | 5 <sup>5</sup> / <sub>8</sub>    | 3 <sup>3</sup> / <sub>8</sub>  | 3 <sup>15</sup> / <sub>16</sub> | —                              | AL3JJ5L   | 8 <sup>1</sup> / <sub>8</sub>    | —                               | 1 <sup>3</sup> / <sub>8</sub>   | 4 <sup>1</sup> / <sub>8</sub>  | 5 <sup>5</sup> / <sub>8</sub>    | 3 <sup>3</sup> / <sub>8</sub>  | 4 <sup>3</sup> / <sub>8</sub>   | —                             |
| 350  | 4/0 | 3JJ5L90 | —                              | 8 <sup>1</sup> / <sub>16</sub>  | 1 <sup>1</sup> / <sub>4</sub>   | 4 <sup>1</sup> / <sub>8</sub>  | 5 <sup>5</sup> / <sub>8</sub>    | 3 <sup>3</sup> / <sub>8</sub>  | —                               | 2 <sup>3</sup> / <sub>4</sub>  | AL3JJ5L90 | —                                | 8 <sup>1</sup> / <sub>2</sub>   | 1 <sup>3</sup> / <sub>8</sub>   | 4 <sup>1</sup> / <sub>8</sub>  | 5 <sup>5</sup> / <sub>8</sub>    | 3 <sup>3</sup> / <sub>8</sub>  | —                               | 4                             |
| 500  | 350 | 3JJ6L   | 7 <sup>3</sup> / <sub>4</sub>  | —                               | 1 <sup>7</sup> / <sub>16</sub>  | 4 <sup>1</sup> / <sub>2</sub>  | 13 <sup>13</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub>  | 4 <sup>1</sup> / <sub>2</sub>   | —                              | AL3JJ6L   | 8 <sup>5</sup> / <sub>8</sub>    | —                               | 1 <sup>5</sup> / <sub>8</sub>   | 4 <sup>1</sup> / <sub>2</sub>  | 13 <sup>13</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub>  | 4 <sup>15</sup> / <sub>16</sub> | —                             |
| 500  | 350 | 3JJ6L90 | —                              | 9                               | 1 <sup>7</sup> / <sub>16</sub>  | 4 <sup>1</sup> / <sub>2</sub>  | 13 <sup>13</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub>  | —                               | 3 <sup>3</sup> / <sub>4</sub>  | AL3JJ6L90 | —                                | 9 <sup>7</sup> / <sub>16</sub>  | 1 <sup>5</sup> / <sub>8</sub>   | 4 <sup>1</sup> / <sub>2</sub>  | 13 <sup>13</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub>  | —                               | 4 <sup>1</sup> / <sub>8</sub> |
| 750  | 500 | 3JJ7L   | 9                              | —                               | 1 <sup>3</sup> / <sub>4</sub>   | 5 <sup>3</sup> / <sub>16</sub> | 15 <sup>15</sup> / <sub>16</sub> | 7 <sup>7</sup> / <sub>16</sub> | 5 <sup>5</sup> / <sub>8</sub>   | —                              | AL3JJ7L   | 10 <sup>1</sup> / <sub>16</sub>  | —                               | 1 <sup>15</sup> / <sub>16</sub> | 5 <sup>3</sup> / <sub>16</sub> | 15 <sup>15</sup> / <sub>16</sub> | 7 <sup>7</sup> / <sub>16</sub> | 5 <sup>11</sup> / <sub>16</sub> | —                             |
| 750  | 500 | 3JJ7L90 | —                              | 10 <sup>9</sup> / <sub>16</sub> | 1 <sup>3</sup> / <sub>4</sub>   | 5 <sup>3</sup> / <sub>16</sub> | 15 <sup>15</sup> / <sub>16</sub> | 7 <sup>7</sup> / <sub>16</sub> | —                               | 3 <sup>3</sup> / <sub>4</sub>  | AL3JJ7L90 | —                                | 10 <sup>1</sup> / <sub>8</sub>  | 1 <sup>15</sup> / <sub>16</sub> | 5 <sup>3</sup> / <sub>16</sub> | 15 <sup>15</sup> / <sub>16</sub> | 7 <sup>7</sup> / <sub>16</sub> | —                               | 4 <sup>3</sup> / <sub>4</sub> |
| 1000 | 750 | 3JJ8L   | 10 <sup>1</sup> / <sub>8</sub> | —                               | 1 <sup>15</sup> / <sub>16</sub> | 5 <sup>1</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>4</sub>    | 1 <sup>1</sup> / <sub>2</sub>  | 6                               | —                              | AL3JJ8L   | 10 <sup>15</sup> / <sub>16</sub> | —                               | 2 <sup>3</sup> / <sub>16</sub>  | 5 <sup>1</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>4</sub>    | 1 <sup>1</sup> / <sub>2</sub>  | 6 <sup>7</sup> / <sub>16</sub>  | —                             |
| 1000 | 750 | 3JJ8L90 | —                              | 11 <sup>1</sup> / <sub>16</sub> | 1 <sup>15</sup> / <sub>16</sub> | 5 <sup>1</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>4</sub>    | 1 <sup>1</sup> / <sub>2</sub>  | —                               | 4 <sup>7</sup> / <sub>16</sub> | AL3JJ8L90 | —                                | 12 <sup>5</sup> / <sub>16</sub> | 2 <sup>3</sup> / <sub>16</sub>  | 5 <sup>1</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>4</sub>    | 1 <sup>1</sup> / <sub>2</sub>  | —                               | 5 <sup>1</sup> / <sub>4</sub> |

## 4JJL, 4JJL90 SERIES

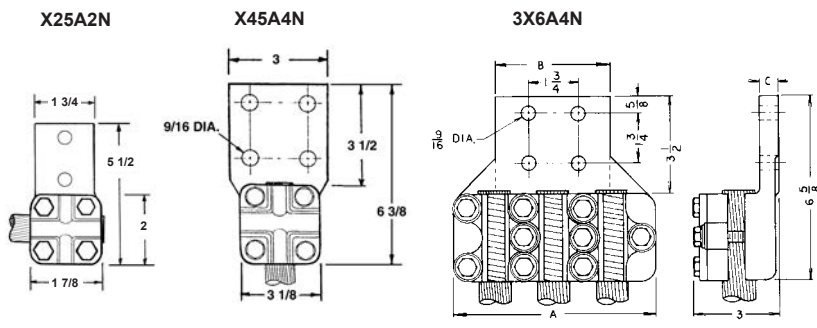
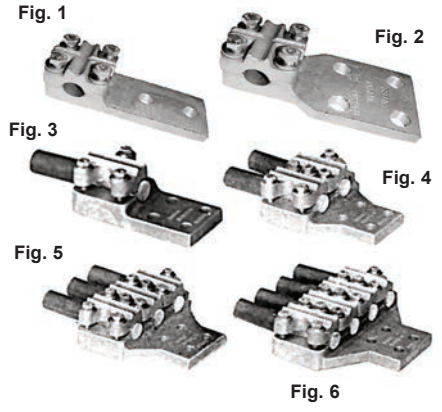
Terminal adapters, four cables

|      |     |         |                                |                                 |                                 |                                |                                  |                                |                                 |                                |           |                                  |                                  |                                 |                                |                                  |                                |                                 |                               |
|------|-----|---------|--------------------------------|---------------------------------|---------------------------------|--------------------------------|----------------------------------|--------------------------------|---------------------------------|--------------------------------|-----------|----------------------------------|----------------------------------|---------------------------------|--------------------------------|----------------------------------|--------------------------------|---------------------------------|-------------------------------|
| 350  | 4/0 | 4JJ5L   | 6 <sup>7</sup> / <sub>8</sub>  | —                               | 1 <sup>1</sup> / <sub>4</sub>   | 4 <sup>1</sup> / <sub>8</sub>  | 5 <sup>5</sup> / <sub>8</sub>    | 3 <sup>3</sup> / <sub>8</sub>  | 5 <sup>1</sup> / <sub>4</sub>   | —                              | AL4JJ5L   | 8 <sup>1</sup> / <sub>8</sub>    | —                                | 1 <sup>3</sup> / <sub>8</sub>   | 4 <sup>1</sup> / <sub>8</sub>  | 5 <sup>5</sup> / <sub>8</sub>    | 3 <sup>3</sup> / <sub>8</sub>  | 5 <sup>13</sup> / <sub>16</sub> | —                             |
| 350  | 4/0 | 4JJ5L90 | —                              | 9 <sup>1</sup> / <sub>8</sub>   | 1 <sup>1</sup> / <sub>4</sub>   | 4 <sup>1</sup> / <sub>8</sub>  | 5 <sup>5</sup> / <sub>8</sub>    | 3 <sup>3</sup> / <sub>8</sub>  | —                               | 2 <sup>3</sup> / <sub>4</sub>  | AL4JJ5L90 | —                                | 9 <sup>15</sup> / <sub>16</sub>  | 1 <sup>3</sup> / <sub>8</sub>   | 4 <sup>1</sup> / <sub>8</sub>  | 5 <sup>5</sup> / <sub>8</sub>    | 3 <sup>3</sup> / <sub>8</sub>  | —                               | 4                             |
| 500  | 350 | 4JJ6L   | 7 <sup>3</sup> / <sub>4</sub>  | —                               | 1 <sup>7</sup> / <sub>16</sub>  | 4 <sup>1</sup> / <sub>2</sub>  | 13 <sup>13</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub>  | 6                               | —                              | AL4JJ6L   | 8 <sup>5</sup> / <sub>8</sub>    | —                                | 1 <sup>5</sup> / <sub>8</sub>   | 4 <sup>1</sup> / <sub>2</sub>  | 13 <sup>13</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub>  | 6 <sup>5</sup> / <sub>8</sub>   | —                             |
| 500  | 350 | 4JJ6L90 | —                              | 10 <sup>1</sup> / <sub>2</sub>  | 1 <sup>7</sup> / <sub>16</sub>  | 4 <sup>1</sup> / <sub>2</sub>  | 13 <sup>13</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub>  | —                               | 3 <sup>3</sup> / <sub>4</sub>  | AL4JJ6L90 | —                                | 11 <sup>1</sup> / <sub>8</sub>   | 1 <sup>5</sup> / <sub>8</sub>   | 4 <sup>1</sup> / <sub>2</sub>  | 13 <sup>13</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub>  | —                               | 4 <sup>1</sup> / <sub>8</sub> |
| 750  | 500 | 4JJ7L   | 9                              | —                               | 1 <sup>3</sup> / <sub>4</sub>   | 5 <sup>3</sup> / <sub>16</sub> | 15 <sup>15</sup> / <sub>16</sub> | 7 <sup>7</sup> / <sub>16</sub> | 6 <sup>13</sup> / <sub>16</sub> | —                              | AL4JJ7L   | 10 <sup>1</sup> / <sub>16</sub>  | —                                | 1 <sup>15</sup> / <sub>16</sub> | 5 <sup>3</sup> / <sub>16</sub> | 15 <sup>15</sup> / <sub>16</sub> | 7 <sup>7</sup> / <sub>16</sub> | 7 <sup>7</sup> / <sub>8</sub>   | —                             |
| 750  | 500 | 4JJ7L90 | —                              | 12                              | 1 <sup>3</sup> / <sub>4</sub>   | 5 <sup>3</sup> / <sub>16</sub> | 15 <sup>15</sup> / <sub>16</sub> | 7 <sup>7</sup> / <sub>16</sub> | —                               | 3 <sup>3</sup> / <sub>4</sub>  | AL4JJ7L90 | —                                | 12 <sup>13</sup> / <sub>16</sub> | 1 <sup>15</sup> / <sub>16</sub> | 5 <sup>3</sup> / <sub>16</sub> | 15 <sup>15</sup> / <sub>16</sub> | 7 <sup>7</sup> / <sub>16</sub> | —                               | 4 <sup>3</sup> / <sub>4</sub> |
| 1000 | 750 | 4JJ8L   | 10 <sup>1</sup> / <sub>8</sub> | —                               | 1 <sup>15</sup> / <sub>16</sub> | 5 <sup>1</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>4</sub>    | 1 <sup>1</sup> / <sub>2</sub>  | 8                               | —                              | AL4JJ8L   | 10 <sup>15</sup> / <sub>16</sub> | —                                | 2 <sup>3</sup> / <sub>16</sub>  | 5 <sup>1</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>4</sub>    | 1 <sup>1</sup> / <sub>2</sub>  | 8 <sup>5</sup> / <sub>8</sub>   | —                             |
| 1000 | 750 | 4JJ8L90 | —                              | 13 <sup>1</sup> / <sub>16</sub> | 1 <sup>15</sup> / <sub>16</sub> | 5 <sup>1</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>4</sub>    | 1 <sup>1</sup> / <sub>2</sub>  | —                               | 4 <sup>7</sup> / <sub>16</sub> | AL4JJ8L90 | —                                | 14 <sup>5</sup> / <sub>16</sub>  | 2 <sup>3</sup> / <sub>16</sub>  | 5 <sup>1</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>4</sub>    | 1 <sup>1</sup> / <sub>2</sub>  | —                               | 5 <sup>1</sup> / <sub>4</sub> |

# XA SERIES

Terminal lugs for one through four cables

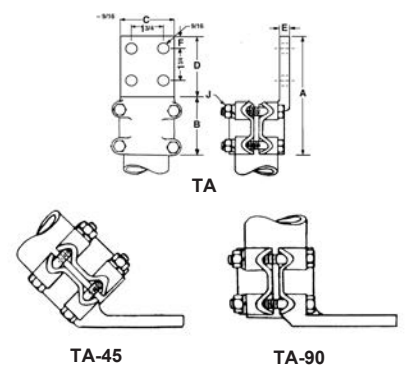
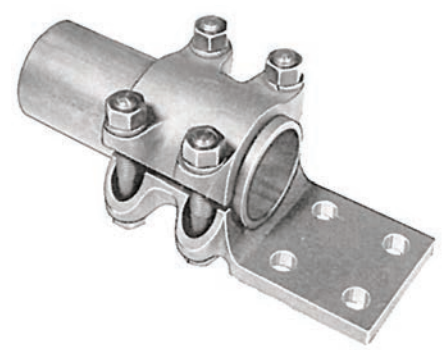
| Cable Range<br>Max. Min. ** H.T. Fig. |        |   |   | BRONZE CONNECTORS |                               |       | DUAL-RATED ALUM. CONNECTORS |                |                                   |       |      |
|---------------------------------------|--------|---|---|-------------------|-------------------------------|-------|-----------------------------|----------------|-----------------------------------|-------|------|
|                                       |        |   |   | Catalog Number    | Dimension in Inches (Approx.) |       |                             | Catalog Number | Dimension in Inches (Approximate) |       |      |
|                                       |        |   |   |                   | A                             | B     | C                           |                | A                                 | B     | C    |
| 250                                   | 6 Sol. | 2 | 1 | X25A2N            | 1 7/8                         | 1 3/4 | 1/4                         | ALX25A2N       | 1 7/8                             | 1 3/4 | 1/4  |
| 500                                   | #2     | 2 | 1 | X45A2N            | 2                             | 2 1/2 | 7/16                        | ALX45A2N       | 2                                 | 2 1/2 | 7/16 |
| 500                                   | #2     | 4 | 2 | X45A4N            | 2                             | 3     | 7/16                        | ALX45A4N       | 2                                 | 3     | 7/16 |
| 1000                                  | #2     | 4 | 3 | X6A4N             | 3 1/8                         | 3     | 5/8                         | ALX6A4N        | 3 1/8                             | 3     | 5/8  |
| 1000                                  | #2     | 4 | 4 | 2X6A4N            | 5 1/4                         | 3     | 5/8                         | AL2X6A4N       | 5 1/4                             | 3     | 5/8  |
| 1000                                  | #2     | 4 | 5 | 3X6A4N            | 7 3/8                         | 4     | 5/8                         | AL3X6A4N       | 7 3/4                             | 4     | 5/8  |
| 1000                                  | #2     | 4 | 6 | 4X6A4N            | 9 1/2                         | 4     | 5/8                         | AL4X6A4N       | 9 1/2                             | 4     | 5/8  |



# TA, TA-45, TA-90 SERIES

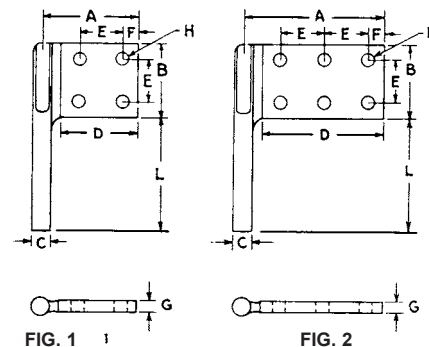
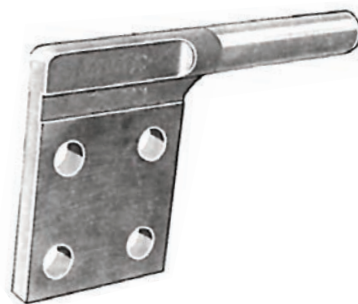
Terminal lugs, IPS tube

| IPS   | H.T. ** | BRONZE CONNECTORS |                               |       |       |        |       | DUAL-RATED ALUMINUM CONNECTORS |                |                               |       |       |        |       |     |
|-------|---------|-------------------|-------------------------------|-------|-------|--------|-------|--------------------------------|----------------|-------------------------------|-------|-------|--------|-------|-----|
|       |         | Catalog Number    | Dimension in Inches (Approx.) |       |       |        |       |                                | Catalog Number | Dimension in Inches (Approx.) |       |       |        |       |     |
|       |         |                   | A                             | B     | C     | D      | E     | J                              |                | A                             | B     | C     | D      | E     | J   |
| 1/2   | 2       | T0A2N-6           | 5 3/8                         | 2     | 1 1/2 | 3 3/8  | 5/16  | 3/8                            | ALT0A2N-6      | 5 3/8                         | 2     | 1 1/2 | 3 3/8  | 5/16  | 3/8 |
| 1/2   | 4       | T0A4N-6           | 5 3/8                         | 2     | 3     | 3 3/8  | 5/16  | 3/8                            | ALT0A4N-6      | 5 3/8                         | 2     | 3     | 3 3/8  | 5/16  | 3/8 |
| 1/2   | 2       | T0A2N             | 5 5/8                         | 2 1/4 | 1 1/2 | 3 3/8  | 5/16  | 1/2                            | ALT0A2N        | 5 5/8                         | 2 1/4 | 1 1/2 | 3 3/8  | 5/16  | 1/2 |
| 1/2   | 4       | T0A4N             | 5 5/8                         | 2 1/4 | 3     | 3 3/8  | 5/16  | 1/2                            | ALT0A4N        | 5 5/8                         | 2 1/4 | 3     | 3 3/8  | 5/16  | 1/2 |
| 3/4   | 2       | T1A2N-6           | 5 1/2                         | 2 1/8 | 1 3/4 | 3 3/8  | 11/32 | 3/8                            | ALT1A2N-6      | 5 1/2                         | 2 1/8 | 1 3/4 | 3 3/8  | 11/32 | 3/8 |
| 3/4   | 4       | T1A4N-6           | 5 1/2                         | 2 1/8 | 3     | 3 3/8  | 11/32 | 3/8                            | ALT1A4N-6      | 5 1/2                         | 2 1/8 | 3     | 3 3/8  | 11/32 | 3/8 |
| 3/4   | 2       | T1A2N             | 5 3/4                         | 2 3/8 | 1 3/4 | 3 3/8  | 11/32 | 1/2                            | ALT1A2N        | 5 3/4                         | 2 3/8 | 1 3/4 | 3 3/8  | 11/32 | 1/2 |
| 3/4   | 4       | T1A4N             | 5 3/4                         | 2 3/8 | 3     | 3 3/8  | 11/32 | 1/2                            | ALT1A4N        | 5 3/4                         | 2 3/8 | 3     | 3 3/8  | 11/32 | 1/2 |
| 1     | 2       | T2A2N-6           | 5 5/8                         | 2 1/4 | 2     | 3 3/8  | 3/8   | 3/8                            | ALT2A2N-6      | 5 5/8                         | 2 1/4 | 2     | 3 3/8  | 3/8   | 3/8 |
| 1     | 4       | T2A4N-6           | 5 5/8                         | 2 1/4 | 3     | 3 3/8  | 3/8   | 3/8                            | ALT2A4N-6      | 5 5/8                         | 2 1/4 | 3     | 3 3/8  | 3/8   | 3/8 |
| 1     | 2       | T2A2N             | 5 7/8                         | 2 1/2 | 2     | 3 3/8  | 3/8   | 1/2                            | ALT2A2N        | 5 7/8                         | 2 1/2 | 2     | 3 3/8  | 3/8   | 1/2 |
| 1     | 4       | T2A4N             | 5 7/8                         | 2 1/2 | 3     | 3 3/8  | 3/8   | 1/2                            | ALT2A4N        | 5 7/8                         | 2 1/2 | 3     | 3 3/8  | 3/8   | 1/2 |
| 1 1/4 | 2       | T3A2N             | 6 1/16                        | 2 5/8 | 2 1/4 | 3 7/16 | 3/8   | 1/2                            | ALT3A2N        | 6 1/16                        | 2 5/8 | 2 1/4 | 3 7/16 | 3/8   | 1/2 |
| 1 1/4 | 4       | T3A4N             | 6 1/16                        | 2 5/8 | 3     | 3 7/16 | 3/8   | 1/2                            | ALT3A4N        | 6 1/16                        | 2 5/8 | 3     | 3 7/16 | 3/8   | 1/2 |
| 1 1/2 | 2       | T4A2N             | 6 1/4                         | 2 3/4 | 2 1/2 | 3 1/2  | 7/16  | 1/2                            | ALT4A2N        | 6 1/4                         | 2 3/4 | 2 1/2 | 3 1/2  | 7/16  | 1/2 |
| 1 1/2 | 4       | T4A4N             | 6 1/4                         | 2 3/4 | 3     | 3 1/2  | 7/16  | 1/2                            | ALT4A4N        | 6 1/4                         | 2 3/4 | 3     | 3 1/2  | 7/16  | 1/2 |
| 2     | 2       | T5A2N             | 6 3/8                         | 2 7/8 | 2 3/4 | 3 1/2  | 1/2   | 1/2                            | ALT5A2N        | 6 3/8                         | 2 7/8 | 2 3/4 | 3 1/2  | 1/2   | 1/2 |
| 2     | 4       | T5A4N             | 6 3/8                         | 2 7/8 | 3     | 3 1/2  | 1/2   | 1/2                            | ALT5A4N        | 6 3/8                         | 2 7/8 | 3     | 3 1/2  | 1/2   | 1/2 |
| 2 1/2 | 2       | T6A2N             | 6 1/2                         | 3     | 3     | 3 1/2  | 9/16  | 1/2                            | ALT6A2N        | 6 1/2                         | 3     | 3     | 3 1/2  | 9/16  | 1/2 |
| 2 1/2 | 4       | T6A4N             | 6 1/2                         | 3     | 3     | 3 1/2  | 9/16  | 1/2                            | ALT6A4N        | 6 1/2                         | 3     | 3     | 3 1/2  | 9/16  | 1/2 |
| 3     | 2       | T7A2N             | 6 3/4                         | 3 1/4 | 3     | 3 1/2  | 5/8   | 5/8                            | ALT7A2N        | 6 3/4                         | 3 1/4 | 3     | 3 1/2  | 5/8   | 5/8 |
| 3     | 4       | T7A4N             | 6 3/4                         | 3 1/4 | 3     | 3 1/2  | 5/8   | 5/8                            | ALT7A4N        | 6 3/4                         | 3 1/4 | 3     | 3 1/2  | 5/8   | 5/8 |
| 3 1/2 | 4       | T8A4N             | 7                             | 3 1/2 | 3     | 3 1/2  | 3/4   | 5/8                            | ALT8A4N        | 7                             | 3 1/2 | 3     | 3 1/2  | 3/4   | 5/8 |
| 4     | 4       | T9A4N             | 7 1/4                         | 3 3/4 | 3     | 3 1/2  | 3/4   | 5/8                            | ALT9A4N        | 7 1/4                         | 3 3/4 | 3     | 3 1/2  | 3/4   | 5/8 |



Suffix "6" indicates 3/8" bolt.  
For TA-45 and TA-90 types add suffix "45" or "90" to applicable catalog number.

\*\* Holes in Tang

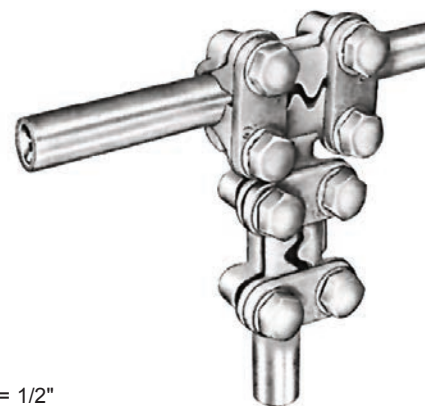
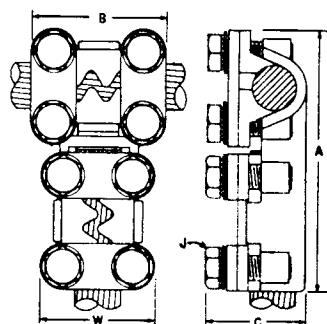


**LF SERIES**  
Spade adapter

| Fig. | Catalog Number | BRONZE CONNECTORS               |   |                                 |                               |                                 |                                 | DUAL-RATED ALUMINUM CONNECTORS |                                 |   |                                 |                               |                                 |                                 |
|------|----------------|---------------------------------|---|---------------------------------|-------------------------------|---------------------------------|---------------------------------|--------------------------------|---------------------------------|---|---------------------------------|-------------------------------|---------------------------------|---------------------------------|
|      |                | Dimension in Inches (Approx.)   |   |                                 |                               |                                 |                                 | Dimension in Inches (Approx.)  |                                 |   |                                 |                               |                                 |                                 |
|      |                | A                               | B | C                               | D                             | G                               | L                               | Catalog Number                 | A                               | B | C                               | D                             | G                               | L                               |
| 1    | LF33074N       | 3 <sup>3</sup> / <sub>4</sub>   | 3 | 7 <sup>1</sup> / <sub>16</sub>  | 3                             | 3 <sup>3</sup> / <sub>8</sub>   | 4                               | ALLF33074N                     | 3 <sup>3</sup> / <sub>4</sub>   | 3 | 7 <sup>1</sup> / <sub>16</sub>  | 3                             | 3 <sup>3</sup> / <sub>8</sub>   | 4                               |
| 2    | LF35076N       | 5 <sup>1</sup> / <sub>2</sub>   | 3 | 7 <sup>1</sup> / <sub>16</sub>  | 4 <sup>3</sup> / <sub>4</sub> | 3 <sup>3</sup> / <sub>8</sub>   | 4                               | ALLF35076N                     | 5 <sup>1</sup> / <sub>2</sub>   | 3 | 7 <sup>1</sup> / <sub>16</sub>  | 4 <sup>3</sup> / <sub>4</sub> | 3 <sup>3</sup> / <sub>8</sub>   | 4                               |
| 1    | LF33104N       | 3 <sup>7</sup> / <sub>8</sub>   | 3 | 5 <sup>5</sup> / <sub>8</sub>   | 3                             | 1 <sup>13</sup> / <sub>32</sub> | 4 <sup>1</sup> / <sub>8</sub>   | ALLF33104N                     | 3 <sup>7</sup> / <sub>8</sub>   | 3 | 5 <sup>5</sup> / <sub>8</sub>   | 3                             | 1 <sup>13</sup> / <sub>32</sub> | 4 <sup>1</sup> / <sub>8</sub>   |
| 2    | LF35106N       | 5 <sup>3</sup> / <sub>8</sub>   | 3 | 5 <sup>5</sup> / <sub>8</sub>   | 4 <sup>3</sup> / <sub>4</sub> | 1 <sup>13</sup> / <sub>32</sub> | 4 <sup>1</sup> / <sub>8</sub>   | ALLF35106N                     | 5 <sup>3</sup> / <sub>8</sub>   | 3 | 5 <sup>5</sup> / <sub>8</sub>   | 4 <sup>3</sup> / <sub>4</sub> | 1 <sup>13</sup> / <sub>32</sub> | 4 <sup>1</sup> / <sub>8</sub>   |
| 1    | LF33134N       | 3 <sup>15</sup> / <sub>16</sub> | 3 | 1 <sup>13</sup> / <sub>16</sub> | 3                             | 7 <sup>1</sup> / <sub>16</sub>  | 4 <sup>1</sup> / <sub>2</sub>   | ALLF33134N                     | 3 <sup>15</sup> / <sub>16</sub> | 3 | 1 <sup>13</sup> / <sub>16</sub> | 3                             | 7 <sup>1</sup> / <sub>16</sub>  | 4 <sup>1</sup> / <sub>2</sub>   |
| 2    | LF35136N       | 5 <sup>11</sup> / <sub>16</sub> | 3 | 1 <sup>13</sup> / <sub>16</sub> | 4 <sup>3</sup> / <sub>4</sub> | 7 <sup>1</sup> / <sub>16</sub>  | 4 <sup>1</sup> / <sub>2</sub>   | ALLF35136N                     | 5 <sup>11</sup> / <sub>16</sub> | 3 | 1 <sup>13</sup> / <sub>16</sub> | 4 <sup>3</sup> / <sub>4</sub> | 7 <sup>1</sup> / <sub>16</sub>  | 4 <sup>1</sup> / <sub>2</sub>   |
| 1    | LF33154N       | 4                               | 3 | 1 <sup>15</sup> / <sub>16</sub> | 3                             | 1 <sup>15</sup> / <sub>32</sub> | 5 <sup>3</sup> / <sub>16</sub>  | ALLF33154N                     | 4                               | 3 | 1 <sup>15</sup> / <sub>16</sub> | 3                             | 1 <sup>15</sup> / <sub>32</sub> | 5 <sup>3</sup> / <sub>16</sub>  |
| 2    | LF35156N       | 5 <sup>3</sup> / <sub>4</sub>   | 3 | 1 <sup>15</sup> / <sub>16</sub> | 4 <sup>3</sup> / <sub>4</sub> | 1 <sup>15</sup> / <sub>32</sub> | 5 <sup>3</sup> / <sub>16</sub>  | ALLF35156N                     | 5 <sup>3</sup> / <sub>4</sub>   | 3 | 1 <sup>15</sup> / <sub>16</sub> | 4 <sup>3</sup> / <sub>4</sub> | 1 <sup>15</sup> / <sub>32</sub> | 5 <sup>3</sup> / <sub>16</sub>  |
| 1    | LF33184N       | 4 <sup>1</sup> / <sub>8</sub>   | 3 | 1 <sup>1</sup> / <sub>8</sub>   | 3                             | 1 <sup>1</sup> / <sub>2</sub>   | 5 <sup>11</sup> / <sub>16</sub> | ALLF33184N                     | 4 <sup>1</sup> / <sub>8</sub>   | 3 | 1 <sup>1</sup> / <sub>8</sub>   | 3                             | 1 <sup>1</sup> / <sub>2</sub>   | 5 <sup>11</sup> / <sub>16</sub> |
| 2    | LF35186N       | 5 <sup>7</sup> / <sub>8</sub>   | 3 | 1 <sup>1</sup> / <sub>8</sub>   | 4 <sup>3</sup> / <sub>4</sub> | 1 <sup>1</sup> / <sub>2</sub>   | 5 <sup>11</sup> / <sub>16</sub> | ALLF35186N                     | 5 <sup>7</sup> / <sub>8</sub>   | 3 | 1 <sup>1</sup> / <sub>8</sub>   | 4 <sup>3</sup> / <sub>4</sub> | 1 <sup>1</sup> / <sub>2</sub>   | 5 <sup>11</sup> / <sub>16</sub> |

E = 1<sup>3</sup>/<sub>4</sub>"  
F = 5<sup>5</sup>/<sub>8</sub>"  
H = 9<sup>1</sup>/<sub>16</sub>"

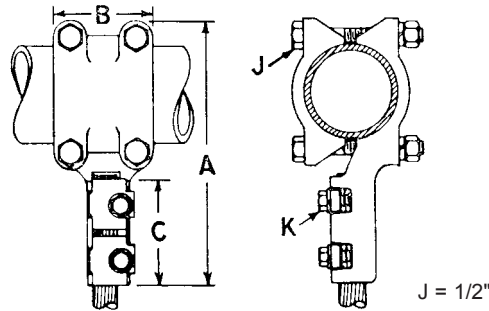
**PT SERIES**  
Tee connector, cable and tube



J = 1/2"

| Run         |      |                               |             |      |                               | BRONZE CONNECTORS |                               |                                |                                |                                 |                | DUAL-RATED ALUMINUM CONNECTORS    |                                |                                |                                 |  |  |
|-------------|------|-------------------------------|-------------|------|-------------------------------|-------------------|-------------------------------|--------------------------------|--------------------------------|---------------------------------|----------------|-----------------------------------|--------------------------------|--------------------------------|---------------------------------|--|--|
|             |      |                               |             |      |                               | Tap               |                               |                                |                                |                                 |                | Dimension in Inches (Approximate) |                                |                                |                                 |  |  |
| Cable Range |      |                               | Cable Range |      |                               | Catalog Number    | A                             | B                              | C                              | W                               | Catalog Number | A                                 | B                              | C                              | W                               |  |  |
| Max.        | Min. | IPS                           | Max.        | Min. | IPS                           |                   |                               |                                |                                |                                 |                |                                   |                                |                                |                                 |  |  |
| 2/0         | #4   | 1/8                           | 2/0         | #4   | 1/8                           | P22T              | 5 <sup>1</sup> / <sub>4</sub> | 2 <sup>1</sup> / <sub>2</sub>  | 1 <sup>1</sup> / <sub>4</sub>  | 2 <sup>3</sup> / <sub>8</sub>   | ALP22T         | 5 <sup>1</sup> / <sub>4</sub>     | 2 <sup>1</sup> / <sub>2</sub>  | 1 <sup>1</sup> / <sub>4</sub>  | 2 <sup>3</sup> / <sub>8</sub>   |  |  |
| 350         | 2/0  | 3/8                           | 2/0         | #4   | 1/8                           | P42T              | 5 <sup>3</sup> / <sub>8</sub> | 2 <sup>5</sup> / <sub>8</sub>  | 1 <sup>5</sup> / <sub>8</sub>  | 2 <sup>3</sup> / <sub>8</sub>   | ALP42T         | 5 <sup>3</sup> / <sub>8</sub>     | 2 <sup>5</sup> / <sub>8</sub>  | 1 <sup>5</sup> / <sub>8</sub>  | 2 <sup>3</sup> / <sub>8</sub>   |  |  |
| 350         | 2/0  | 3/8                           | 350         | 2/0  | 3/8                           | P44T              | 5 <sup>1</sup> / <sub>2</sub> | 2 <sup>5</sup> / <sub>8</sub>  | 1 <sup>5</sup> / <sub>8</sub>  | 2 <sup>3</sup> / <sub>8</sub>   | ALP44T         | 5 <sup>1</sup> / <sub>2</sub>     | 2 <sup>5</sup> / <sub>8</sub>  | 1 <sup>5</sup> / <sub>8</sub>  | 2 <sup>3</sup> / <sub>8</sub>   |  |  |
| 600         | 350  | 1/2                           | 2/0         | #4   | 1/8                           | P52T              | 5 <sup>3</sup> / <sub>8</sub> | 2 <sup>5</sup> / <sub>8</sub>  | 2                              | 2 <sup>7</sup> / <sub>16</sub>  | ALP52T         | 5 <sup>3</sup> / <sub>8</sub>     | 2 <sup>5</sup> / <sub>8</sub>  | 2                              | 2 <sup>7</sup> / <sub>16</sub>  |  |  |
| 600         | 350  | 1/2                           | 350         | 2/0  | 3/8                           | P54T              | 5 <sup>1</sup> / <sub>2</sub> | 2 <sup>5</sup> / <sub>8</sub>  | 2                              | 2 <sup>7</sup> / <sub>16</sub>  | ALP54T         | 5 <sup>1</sup> / <sub>2</sub>     | 2 <sup>5</sup> / <sub>8</sub>  | 2                              | 2 <sup>7</sup> / <sub>16</sub>  |  |  |
| 600         | 350  | 1/2                           | 600         | 350  | 1/2                           | P55T              | 5 <sup>1</sup> / <sub>2</sub> | 2 <sup>5</sup> / <sub>8</sub>  | 2                              | 2 <sup>7</sup> / <sub>16</sub>  | ALP55T         | 5 <sup>1</sup> / <sub>2</sub>     | 2 <sup>5</sup> / <sub>8</sub>  | 2                              | 2 <sup>7</sup> / <sub>16</sub>  |  |  |
| 1000        | 600  | 3/4                           | 2/0         | #4   | 1/8                           | P62T              | 5                             | 3                              | 2 <sup>9</sup> / <sub>16</sub> | 2 <sup>9</sup> / <sub>16</sub>  | ALP62T         | 5                                 | 3                              | 2 <sup>9</sup> / <sub>16</sub> | 2 <sup>9</sup> / <sub>16</sub>  |  |  |
| 1000        | 600  | 3/4                           | 350         | 2/0  | 3/8                           | P64T              | 5                             | 3                              | 2 <sup>9</sup> / <sub>16</sub> | 2 <sup>9</sup> / <sub>16</sub>  | ALP64T         | 5                                 | 3                              | 2 <sup>9</sup> / <sub>16</sub> | 2 <sup>9</sup> / <sub>16</sub>  |  |  |
| 1000        | 600  | 3/4                           | 600         | 350  | 1/2                           | P65T              | 5 <sup>1</sup> / <sub>8</sub> | 3                              | 2 <sup>9</sup> / <sub>16</sub> | 2 <sup>9</sup> / <sub>16</sub>  | ALP65T         | 5 <sup>1</sup> / <sub>8</sub>     | 3                              | 2 <sup>9</sup> / <sub>16</sub> | 2 <sup>9</sup> / <sub>16</sub>  |  |  |
| 1000        | 600  | 3/4                           | 1000        | 600  | 3/4                           | P66T              | 6 <sup>1</sup> / <sub>8</sub> | 3                              | 2 <sup>9</sup> / <sub>16</sub> | 2 <sup>9</sup> / <sub>16</sub>  | ALP66T         | 6 <sup>1</sup> / <sub>8</sub>     | 3                              | 2 <sup>9</sup> / <sub>16</sub> | 2 <sup>9</sup> / <sub>16</sub>  |  |  |
| 1500        | 1000 | 1                             | 2/0         | #4   | 1/8                           | P72T              | 6 <sup>1</sup> / <sub>8</sub> | 3 <sup>3</sup> / <sub>16</sub> | 2 <sup>5</sup> / <sub>8</sub>  | 2 <sup>13</sup> / <sub>16</sub> | ALP72T         | 6 <sup>1</sup> / <sub>8</sub>     | 3 <sup>3</sup> / <sub>16</sub> | 2 <sup>5</sup> / <sub>8</sub>  | 2 <sup>13</sup> / <sub>16</sub> |  |  |
| 1500        | 1000 | 1                             | 350         | 2/0  | 3/8                           | P74T              | 6 <sup>1</sup> / <sub>4</sub> | 3 <sup>3</sup> / <sub>16</sub> | 2 <sup>5</sup> / <sub>8</sub>  | 2 <sup>13</sup> / <sub>16</sub> | ALP74T         | 6 <sup>1</sup> / <sub>4</sub>     | 3 <sup>3</sup> / <sub>16</sub> | 2 <sup>5</sup> / <sub>8</sub>  | 2 <sup>13</sup> / <sub>16</sub> |  |  |
| 1500        | 1000 | 1                             | 600         | 350  | 1/2                           | P75T              | 6 <sup>1</sup> / <sub>4</sub> | 3 <sup>3</sup> / <sub>16</sub> | 2 <sup>5</sup> / <sub>8</sub>  | 2 <sup>13</sup> / <sub>16</sub> | ALP75T         | 6 <sup>1</sup> / <sub>4</sub>     | 3 <sup>3</sup> / <sub>16</sub> | 2 <sup>5</sup> / <sub>8</sub>  | 2 <sup>13</sup> / <sub>16</sub> |  |  |
| 1500        | 1000 | 1                             | 1000        | 600  | 3/4                           | P76T              | 6 <sup>3</sup> / <sub>8</sub> | 3 <sup>3</sup> / <sub>16</sub> | 2 <sup>5</sup> / <sub>8</sub>  | 2 <sup>13</sup> / <sub>16</sub> | ALP76T         | 6 <sup>3</sup> / <sub>8</sub>     | 3 <sup>3</sup> / <sub>16</sub> | 2 <sup>5</sup> / <sub>8</sub>  | 2 <sup>13</sup> / <sub>16</sub> |  |  |
| 1500        | 1000 | 1                             | 1500        | 1000 | 1                             | P77T              | 6 <sup>1</sup> / <sub>2</sub> | 3 <sup>3</sup> / <sub>16</sub> | 2 <sup>5</sup> / <sub>8</sub>  | 2 <sup>13</sup> / <sub>16</sub> | ALP77T         | 6 <sup>1</sup> / <sub>2</sub>     | 3 <sup>3</sup> / <sub>16</sub> | 2 <sup>5</sup> / <sub>8</sub>  | 2 <sup>13</sup> / <sub>16</sub> |  |  |
| 2000        | 1500 | 1 <sup>1</sup> / <sub>4</sub> | 2/0         | #4   | 1/8                           | P82T              | 6 <sup>1</sup> / <sub>8</sub> | 3 <sup>3</sup> / <sub>8</sub>  | 3                              | 3 <sup>1</sup> / <sub>16</sub>  | ALP82T         | 6 <sup>1</sup> / <sub>8</sub>     | 3 <sup>3</sup> / <sub>8</sub>  | 3                              | 3 <sup>1</sup> / <sub>16</sub>  |  |  |
| 2000        | 1500 | 1 <sup>1</sup> / <sub>4</sub> | 350         | 2/0  | 3/8                           | P84T              | 6 <sup>1</sup> / <sub>4</sub> | 3 <sup>3</sup> / <sub>8</sub>  | 3                              | 3 <sup>1</sup> / <sub>16</sub>  | ALP84T         | 6 <sup>1</sup> / <sub>4</sub>     | 3 <sup>3</sup> / <sub>8</sub>  | 3                              | 3 <sup>1</sup> / <sub>16</sub>  |  |  |
| 2000        | 1500 | 1 <sup>1</sup> / <sub>4</sub> | 600         | 350  | 1/2                           | P85T              | 6 <sup>1</sup> / <sub>4</sub> | 3 <sup>3</sup> / <sub>8</sub>  | 3                              | 3 <sup>1</sup> / <sub>16</sub>  | ALP85T         | 6 <sup>1</sup> / <sub>4</sub>     | 3 <sup>3</sup> / <sub>8</sub>  | 3                              | 3 <sup>1</sup> / <sub>16</sub>  |  |  |
| 2000        | 1500 | 1 <sup>1</sup> / <sub>4</sub> | 1000        | 600  | 3/4                           | P86T              | 6 <sup>1</sup> / <sub>2</sub> | 3 <sup>3</sup> / <sub>8</sub>  | 3                              | 3 <sup>1</sup> / <sub>16</sub>  | ALP86T         | 6 <sup>1</sup> / <sub>2</sub>     | 3 <sup>3</sup> / <sub>8</sub>  | 3                              | 3 <sup>1</sup> / <sub>16</sub>  |  |  |
| 2000        | 1500 | 1 <sup>1</sup> / <sub>4</sub> | 1500        | 1000 | 1                             | P87T              | 6 <sup>3</sup> / <sub>4</sub> | 3 <sup>3</sup> / <sub>8</sub>  | 3                              | 3 <sup>1</sup> / <sub>16</sub>  | ALP87T         | 6 <sup>3</sup> / <sub>4</sub>     | 3 <sup>3</sup> / <sub>8</sub>  | 3                              | 3 <sup>1</sup> / <sub>16</sub>  |  |  |
| 2000        | 1500 | 1 <sup>1</sup> / <sub>4</sub> | 2000        | 1500 | 1 <sup>1</sup> / <sub>4</sub> | P88T              | 7                             | 3 <sup>3</sup> / <sub>8</sub>  | 3                              | 3 <sup>1</sup> / <sub>16</sub>  | ALP88T         | 7                                 | 3 <sup>3</sup> / <sub>8</sub>  | 3                              | 3 <sup>1</sup> / <sub>16</sub>  |  |  |



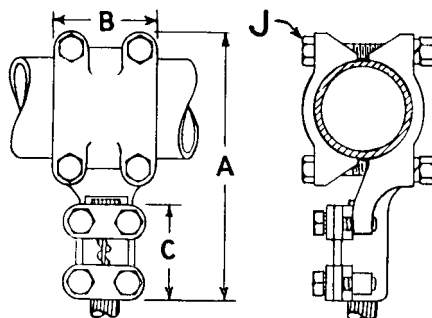


## TJJT SERIES

### Tee connector, tube to cable

| Tap         |     |       | BRONZE CONNECTORS |                                   |                               |                                 | DUAL-RATED ALUMINUM CONNECTORS |                |                                   |                                 |                                 |                                 |                                |
|-------------|-----|-------|-------------------|-----------------------------------|-------------------------------|---------------------------------|--------------------------------|----------------|-----------------------------------|---------------------------------|---------------------------------|---------------------------------|--------------------------------|
| Cable Range | Run | IPS   | Catalog Number    | Dimension in Inches (Approximate) |                               |                                 |                                | Catalog Number | Dimension in Inches (Approximate) |                                 |                                 |                                 |                                |
|             |     |       |                   | A                                 | B                             | C                               | K                              |                | A                                 | B                               | C                               | K                               |                                |
| #1          | #4  | 1/2   | T0JJ2T            | 4 <sup>11</sup> / <sub>16</sub>   | 2 <sup>1</sup> / <sub>4</sub> | 1 <sup>11</sup> / <sub>16</sub> | 5 <sup>5</sup> / <sub>16</sub> | ALT0JJ2T       | 4 <sup>11</sup> / <sub>16</sub>   | 2 <sup>1</sup> / <sub>4</sub>   | 1 <sup>11</sup> / <sub>16</sub> | 5 <sup>5</sup> / <sub>16</sub>  |                                |
| 2/0         | 1/0 | 1/2   | T0JJ3T            | 5 <sup>1</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>4</sub> | 2 <sup>1</sup> / <sub>8</sub>   | 5 <sup>5</sup> / <sub>16</sub> | ALT0JJ4T       | 5 <sup>7</sup> / <sub>16</sub>    | 2 <sup>1</sup> / <sub>4</sub>   | 2 <sup>7</sup> / <sub>16</sub>  | 5 <sup>5</sup> / <sub>16</sub>  |                                |
| 4/0         | 2/0 | 1/2   | T0JJ4T            | 5 <sup>7</sup> / <sub>16</sub>    | 2 <sup>1</sup> / <sub>4</sub> | 2 <sup>7</sup> / <sub>16</sub>  | 5 <sup>5</sup> / <sub>16</sub> |                | ALT0JJ5T                          | 5 <sup>3</sup> / <sub>4</sub>   | 2 <sup>1</sup> / <sub>4</sub>   | 2 <sup>3</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>8</sub>  |
| 350         | 4/0 | 1/2   | T0JJ5T            | 5 <sup>3</sup> / <sub>4</sub>     | 2 <sup>1</sup> / <sub>4</sub> | 2 <sup>3</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>8</sub>  |                | ALT1JJ2T                          | 4 <sup>13</sup> / <sub>16</sub> | 2 <sup>3</sup> / <sub>8</sub>   | 1 <sup>11</sup> / <sub>16</sub> | 5 <sup>5</sup> / <sub>16</sub> |
| #1          | #4  | 3/4   | T1JJ2T            | 4 <sup>13</sup> / <sub>16</sub>   | 2 <sup>3</sup> / <sub>8</sub> | 1 <sup>11</sup> / <sub>16</sub> | 5 <sup>5</sup> / <sub>16</sub> | ALT1JJ4T       | 5 <sup>9</sup> / <sub>16</sub>    | 2 <sup>3</sup> / <sub>8</sub>   | 2 <sup>7</sup> / <sub>16</sub>  | 5 <sup>5</sup> / <sub>16</sub>  |                                |
| 2/0         | 1/0 | 3/4   | T1JJ3T            | 5 <sup>1</sup> / <sub>4</sub>     | 2 <sup>3</sup> / <sub>8</sub> | 2 <sup>1</sup> / <sub>8</sub>   | 5 <sup>5</sup> / <sub>16</sub> |                | ALT1JJ5T                          | 5 <sup>7</sup> / <sub>8</sub>   | 2 <sup>3</sup> / <sub>8</sub>   | 2 <sup>3</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>8</sub>  |
| 4/0         | 2/0 | 3/4   | T1JJ4T            | 5 <sup>5</sup> / <sub>16</sub>    | 2 <sup>3</sup> / <sub>8</sub> | 2 <sup>7</sup> / <sub>16</sub>  | 5 <sup>5</sup> / <sub>16</sub> |                | ALT1JJ6T                          | 6 <sup>3</sup> / <sub>8</sub>   | 2 <sup>3</sup> / <sub>8</sub>   | 3 <sup>1</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>8</sub>  |
| 350         | 4/0 | 3/4   | T1JJ5T            | 5 <sup>7</sup> / <sub>8</sub>     | 2 <sup>3</sup> / <sub>8</sub> | 2 <sup>3</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>8</sub>  | ALT1JJ7T       | 6 <sup>7</sup> / <sub>8</sub>     | 2 <sup>3</sup> / <sub>8</sub>   | 3 <sup>3</sup> / <sub>4</sub>   | 7 <sup>1</sup> / <sub>16</sub>  |                                |
| 500         | 350 | 3/4   | T1JJ6T            | 6 <sup>3</sup> / <sub>8</sub>     | 2 <sup>3</sup> / <sub>8</sub> | 3 <sup>1</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>8</sub>  |                | ALT2JJ3T                          | 5 <sup>9</sup> / <sub>16</sub>  | 2 <sup>1</sup> / <sub>2</sub>   | 2 <sup>7</sup> / <sub>16</sub>  | 5 <sup>5</sup> / <sub>16</sub> |
| 750         | 500 | 3/4   | T1JJ7T            | 6 <sup>7</sup> / <sub>8</sub>     | 2 <sup>3</sup> / <sub>8</sub> | 3 <sup>3</sup> / <sub>4</sub>   | 7 <sup>1</sup> / <sub>16</sub> |                | ALT2JJ5T                          | 6 <sup>3</sup> / <sub>16</sub>  | 2 <sup>1</sup> / <sub>2</sub>   | 2 <sup>3</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>8</sub>  |
| 2/0         | 1/0 | 1     | T2JJ3T            | 5 <sup>9</sup> / <sub>16</sub>    | 2 <sup>1</sup> / <sub>2</sub> | 2 <sup>1</sup> / <sub>8</sub>   | 5 <sup>5</sup> / <sub>16</sub> | ALT2JJ6T       | 6 <sup>1</sup> / <sub>16</sub>    | 2 <sup>1</sup> / <sub>2</sub>   | 3 <sup>1</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>8</sub>   |                                |
| 4/0         | 2/0 | 1     | T2JJ4T            | 5 <sup>7</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>2</sub> | 2 <sup>7</sup> / <sub>16</sub>  | 5 <sup>5</sup> / <sub>16</sub> |                | ALT2JJ7T                          | 7 <sup>3</sup> / <sub>16</sub>  | 2 <sup>1</sup> / <sub>2</sub>   | 3 <sup>3</sup> / <sub>4</sub>   | 7 <sup>1</sup> / <sub>16</sub> |
| 350         | 4/0 | 1     | T2JJ5T            | 6 <sup>3</sup> / <sub>16</sub>    | 2 <sup>1</sup> / <sub>2</sub> | 2 <sup>3</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>8</sub>  |                | ALT2JJ8T                          | 7 <sup>7</sup> / <sub>8</sub>   | 2 <sup>1</sup> / <sub>2</sub>   | 4 <sup>7</sup> / <sub>16</sub>  | 1 <sup>1</sup> / <sub>2</sub>  |
| 500         | 350 | 1     | T2JJ6T            | 6 <sup>1</sup> / <sub>16</sub>    | 2 <sup>1</sup> / <sub>2</sub> | 3 <sup>1</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>8</sub>  | ALT3JJ4T       | 6 <sup>1</sup> / <sub>4</sub>     | 2 <sup>5</sup> / <sub>8</sub>   | 2 <sup>7</sup> / <sub>16</sub>  | 5 <sup>5</sup> / <sub>16</sub>  |                                |
| 750         | 500 | 1     | T2JJ7T            | 7 <sup>3</sup> / <sub>16</sub>    | 2 <sup>1</sup> / <sub>2</sub> | 3 <sup>3</sup> / <sub>4</sub>   | 7 <sup>1</sup> / <sub>16</sub> |                | ALT3JJ5T                          | 6 <sup>9</sup> / <sub>16</sub>  | 2 <sup>5</sup> / <sub>8</sub>   | 2 <sup>3</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>8</sub>  |
| 1000        | 750 | 1     | T2JJ8T            | 7 <sup>7</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>2</sub> | 4 <sup>7</sup> / <sub>16</sub>  | 1 <sup>1</sup> / <sub>2</sub>  |                | ALT3JJ6T                          | 7 <sup>1</sup> / <sub>16</sub>  | 2 <sup>5</sup> / <sub>8</sub>   | 3 <sup>1</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>8</sub>  |
| 4/0         | 2/0 | 1 1/4 | T3JJ4T            | 6 <sup>1</sup> / <sub>4</sub>     | 2 <sup>5</sup> / <sub>8</sub> | 2 <sup>7</sup> / <sub>16</sub>  | 5 <sup>5</sup> / <sub>16</sub> | ALT3JJ7T       | 7 <sup>9</sup> / <sub>16</sub>    | 2 <sup>5</sup> / <sub>8</sub>   | 3 <sup>3</sup> / <sub>4</sub>   | 7 <sup>1</sup> / <sub>16</sub>  |                                |
| 350         | 4/0 | 1 1/4 | T3JJ5T            | 6 <sup>9</sup> / <sub>16</sub>    | 2 <sup>5</sup> / <sub>8</sub> | 2 <sup>3</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>8</sub>  |                | ALT3JJ8T                          | 8 <sup>1</sup> / <sub>4</sub>   | 2 <sup>5</sup> / <sub>8</sub>   | 4 <sup>7</sup> / <sub>16</sub>  | 1 <sup>1</sup> / <sub>2</sub>  |
| 500         | 350 | 1 1/4 | T3JJ6T            | 7 <sup>1</sup> / <sub>16</sub>    | 2 <sup>5</sup> / <sub>8</sub> | 3 <sup>1</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>8</sub>  |                | ALT4JJ4T                          | 6 <sup>7</sup> / <sub>16</sub>  | 2 <sup>3</sup> / <sub>4</sub>   | 2 <sup>7</sup> / <sub>16</sub>  | 1 <sup>1</sup> / <sub>2</sub>  |
| 750         | 500 | 1 1/4 | T3JJ7T            | 7 <sup>9</sup> / <sub>16</sub>    | 2 <sup>5</sup> / <sub>8</sub> | 3 <sup>3</sup> / <sub>4</sub>   | 7 <sup>1</sup> / <sub>16</sub> | ALT4JJ5T       |                                   | 6 <sup>3</sup> / <sub>4</sub>   | 2 <sup>3</sup> / <sub>4</sub>   | 2 <sup>3</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>8</sub>  |
| 1000        | 750 | 1 1/4 | T3JJ8T            | 8 <sup>1</sup> / <sub>4</sub>     | 2 <sup>5</sup> / <sub>8</sub> | 4 <sup>7</sup> / <sub>16</sub>  | 1 <sup>1</sup> / <sub>2</sub>  | ALT4JJ6T       |                                   | 7 <sup>1</sup> / <sub>4</sub>   | 2 <sup>3</sup> / <sub>4</sub>   | 3 <sup>1</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>8</sub>  |
| 2/0         | 2/0 | 1 1/2 | T4JJ4T            | 6 <sup>7</sup> / <sub>16</sub>    | 2 <sup>3</sup> / <sub>4</sub> | 2 <sup>7</sup> / <sub>16</sub>  | 1 <sup>1</sup> / <sub>2</sub>  | ALT4JJ7T       | 7 <sup>3</sup> / <sub>4</sub>     | 2 <sup>3</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>4</sub>   | 7 <sup>1</sup> / <sub>16</sub>  |                                |
| 350         | 4/0 | 1 1/2 | T4JJ5T            | 6 <sup>3</sup> / <sub>4</sub>     | 2 <sup>3</sup> / <sub>4</sub> | 2 <sup>3</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>8</sub>  |                | ALT4JJ8T                          | 8 <sup>7</sup> / <sub>16</sub>  | 2 <sup>3</sup> / <sub>4</sub>   | 4 <sup>7</sup> / <sub>16</sub>  | 1 <sup>1</sup> / <sub>2</sub>  |
| 500         | 350 | 1 1/2 | T4JJ6T            | 7 <sup>1</sup> / <sub>4</sub>     | 2 <sup>3</sup> / <sub>4</sub> | 3 <sup>1</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>8</sub>  |                | ALT5JJ4T                          | 7 <sup>1</sup> / <sub>16</sub>  | 2 <sup>7</sup> / <sub>8</sub>   | 2 <sup>7</sup> / <sub>16</sub>  | 5 <sup>5</sup> / <sub>16</sub> |
| 750         | 500 | 1 1/2 | T4JJ7T            | 7 <sup>3</sup> / <sub>4</sub>     | 2 <sup>3</sup> / <sub>4</sub> | 3 <sup>3</sup> / <sub>4</sub>   | 7 <sup>1</sup> / <sub>16</sub> | ALT5JJ5T       |                                   | 7 <sup>3</sup> / <sub>8</sub>   | 2 <sup>7</sup> / <sub>8</sub>   | 2 <sup>3</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>8</sub>  |
| 1000        | 750 | 1 1/2 | T4JJ8T            | 8 <sup>7</sup> / <sub>16</sub>    | 2 <sup>3</sup> / <sub>4</sub> | 4 <sup>7</sup> / <sub>16</sub>  | 1 <sup>1</sup> / <sub>2</sub>  | ALT5JJ6T       |                                   | 7 <sup>7</sup> / <sub>8</sub>   | 2 <sup>7</sup> / <sub>8</sub>   | 3 <sup>1</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>8</sub>  |
| 4/0         | 2/0 | 2     | T5JJ4T            | 7 <sup>1</sup> / <sub>16</sub>    | 2 <sup>7</sup> / <sub>8</sub> | 2 <sup>7</sup> / <sub>16</sub>  | 5 <sup>5</sup> / <sub>16</sub> | ALT5JJ7T       | 8 <sup>3</sup> / <sub>8</sub>     | 2 <sup>7</sup> / <sub>8</sub>   | 3 <sup>3</sup> / <sub>4</sub>   | 7 <sup>1</sup> / <sub>16</sub>  |                                |
| 350         | 4/0 | 2     | T5JJ5T            | 7 <sup>3</sup> / <sub>8</sub>     | 2 <sup>7</sup> / <sub>8</sub> | 2 <sup>3</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>8</sub>  |                | ALT5JJ8T                          | 9 <sup>1</sup> / <sub>16</sub>  | 2 <sup>7</sup> / <sub>8</sub>   | 4 <sup>7</sup> / <sub>16</sub>  | 1 <sup>1</sup> / <sub>2</sub>  |
| 500         | 350 | 2     | T5JJ6T            | 7 <sup>7</sup> / <sub>8</sub>     | 2 <sup>7</sup> / <sub>8</sub> | 3 <sup>1</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>8</sub>  |                | ALT6JJ4T                          | 7 <sup>9</sup> / <sub>16</sub>  | 3                               | 2 <sup>7</sup> / <sub>16</sub>  | 5 <sup>5</sup> / <sub>16</sub> |
| 750         | 500 | 2     | T5JJ7T            | 8 <sup>3</sup> / <sub>8</sub>     | 2 <sup>7</sup> / <sub>8</sub> | 3 <sup>3</sup> / <sub>4</sub>   | 7 <sup>1</sup> / <sub>16</sub> | ALT6JJ5T       |                                   | 7 <sup>7</sup> / <sub>8</sub>   | 3                               | 2 <sup>3</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>8</sub>  |
| 1000        | 750 | 2     | T5JJ8T            | 9 <sup>1</sup> / <sub>16</sub>    | 2 <sup>7</sup> / <sub>8</sub> | 4 <sup>7</sup> / <sub>16</sub>  | 1 <sup>1</sup> / <sub>2</sub>  | ALT6JJ6T       |                                   | 8 <sup>3</sup> / <sub>8</sub>   | 3                               | 3 <sup>1</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>8</sub>  |
| 4/0         | 2/0 | 2 1/2 | T6JJ4T            | 7 <sup>9</sup> / <sub>16</sub>    | 3                             | 2 <sup>7</sup> / <sub>16</sub>  | 5 <sup>5</sup> / <sub>16</sub> | ALT6JJ7T       | 8 <sup>7</sup> / <sub>8</sub>     | 3                               | 3 <sup>3</sup> / <sub>4</sub>   | 7 <sup>1</sup> / <sub>16</sub>  |                                |
| 350         | 4/0 | 2 1/2 | T6JJ5T            | 7 <sup>7</sup> / <sub>8</sub>     | 3                             | 2 <sup>3</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>8</sub>  |                | ALT6JJ8T                          | 9 <sup>9</sup> / <sub>16</sub>  | 3                               | 4 <sup>7</sup> / <sub>16</sub>  | 1 <sup>1</sup> / <sub>2</sub>  |
| 500         | 350 | 2 1/2 | T6JJ6T            | 8 <sup>3</sup> / <sub>8</sub>     | 3                             | 3 <sup>1</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>8</sub>  |                | ALT7JJ4T                          | 7 <sup>13</sup> / <sub>16</sub> | 3                               | 2 <sup>7</sup> / <sub>16</sub>  | 5 <sup>5</sup> / <sub>16</sub> |
| 750         | 500 | 2 1/2 | T6JJ7T            | 8 <sup>7</sup> / <sub>8</sub>     | 3                             | 3 <sup>3</sup> / <sub>4</sub>   | 7 <sup>1</sup> / <sub>16</sub> | ALT7JJ5T       |                                   | 8 <sup>7</sup> / <sub>8</sub>   | 3                               | 2 <sup>3</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>8</sub>  |
| 1000        | 750 | 2 1/2 | T6JJ8T            | 9 <sup>9</sup> / <sub>16</sub>    | 3                             | 4 <sup>7</sup> / <sub>16</sub>  | 1 <sup>1</sup> / <sub>2</sub>  | ALT7JJ6T       |                                   | 8 <sup>8</sup> / <sub>8</sub>   | 3                               | 3 <sup>1</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>8</sub>  |
| 4/0         | 2/0 | 3     | T7JJ4T            | 7 <sup>13</sup> / <sub>16</sub>   | 3                             | 2 <sup>7</sup> / <sub>16</sub>  | 5 <sup>5</sup> / <sub>16</sub> | ALT7JJ7T       | 9 <sup>1</sup> / <sub>8</sub>     | 3                               | 3 <sup>3</sup> / <sub>4</sub>   | 7 <sup>1</sup> / <sub>16</sub>  |                                |
| 350         | 4/0 | 3     | T7JJ5T            | 8 <sup>1</sup> / <sub>8</sub>     | 3                             | 2 <sup>3</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>8</sub>  |                | ALT7JJ8T                          | 9 <sup>13</sup> / <sub>16</sub> | 3                               | 4 <sup>7</sup> / <sub>16</sub>  | 1 <sup>1</sup> / <sub>2</sub>  |
| 500         | 350 | 3     | T7JJ6T            | 8 <sup>5</sup> / <sub>8</sub>     | 3                             | 3 <sup>1</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>8</sub>  |                | ALT7JJ9T                          | 9 <sup>9</sup> / <sub>16</sub>  | 3                               | 3 <sup>3</sup> / <sub>4</sub>   | 7 <sup>1</sup> / <sub>16</sub> |
| 750         | 500 | 3     | T7JJ7T            | 9 <sup>1</sup> / <sub>8</sub>     | 3                             | 3 <sup>3</sup> / <sub>4</sub>   | 7 <sup>1</sup> / <sub>16</sub> | ALT7JJ0T       |                                   | 9 <sup>13</sup> / <sub>16</sub> | 3                               | 4 <sup>7</sup> / <sub>16</sub>  | 1 <sup>1</sup> / <sub>2</sub>  |
| 1000        | 750 | 3     | T7JJ8T            | 9 <sup>9</sup> / <sub>16</sub>    | 3                             | 4 <sup>7</sup> / <sub>16</sub>  | 1 <sup>1</sup> / <sub>2</sub>  |                |                                   |                                 |                                 |                                 |                                |





J = 1/2"



## TPT SERIES

Tee connector, tube to cable

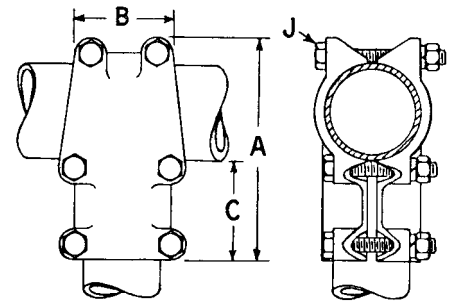
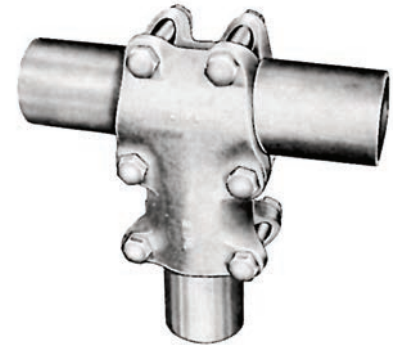
|                               |                    | BRONZE CONNECTORS |                   |                                  |                               |                                 | DUAL-RATED ALUMINUM CONNECTORS |                                      |                               |                                 |  |
|-------------------------------|--------------------|-------------------|-------------------|----------------------------------|-------------------------------|---------------------------------|--------------------------------|--------------------------------------|-------------------------------|---------------------------------|--|
| Run<br>IPS                    | Tap<br>Cable Range |                   | Catalog<br>Number | Dimension in<br>Inches (Approx.) |                               |                                 | Catalog<br>Number              | Dimension in Inches<br>(Approximate) |                               |                                 |  |
|                               | Max.               | Min.              |                   | A                                | B                             | C                               |                                | A                                    | B                             | C                               |  |
| 1/2                           | 2/0                | 4                 | T0P2T             | 5 <sup>7</sup> / <sub>16</sub>   | 2 <sup>1</sup> / <sub>4</sub> | 2 <sup>7</sup> / <sub>16</sub>  | ALT0P2T                        | 5 <sup>7</sup> / <sub>16</sub>       | 2 <sup>1</sup> / <sub>4</sub> | 2 <sup>7</sup> / <sub>16</sub>  |  |
| 1/2                           | 350                | 2/0               | T0P4T             | 5 <sup>13</sup> / <sub>16</sub>  | 2 <sup>1</sup> / <sub>4</sub> | 2 <sup>13</sup> / <sub>16</sub> | ALT0P4T                        | 5 <sup>13</sup> / <sub>16</sub>      | 2 <sup>1</sup> / <sub>4</sub> | 2 <sup>13</sup> / <sub>16</sub> |  |
| 3/4                           | 2/0                | 4                 | T1P2T             | 5 <sup>9</sup> / <sub>16</sub>   | 2 <sup>3</sup> / <sub>8</sub> | 2 <sup>7</sup> / <sub>16</sub>  | ALT1P2T                        | 5 <sup>9</sup> / <sub>16</sub>       | 2 <sup>3</sup> / <sub>8</sub> | 2 <sup>7</sup> / <sub>16</sub>  |  |
| 3/4                           | 350                | 2/0               | T1P4T             | 5 <sup>15</sup> / <sub>16</sub>  | 2 <sup>3</sup> / <sub>8</sub> | 2 <sup>13</sup> / <sub>16</sub> | ALT1P4T                        | 5 <sup>15</sup> / <sub>16</sub>      | 2 <sup>3</sup> / <sub>8</sub> | 2 <sup>13</sup> / <sub>16</sub> |  |
| 3/4                           | 600                | 350               | T1P5T             | 5 <sup>15</sup> / <sub>16</sub>  | 2 <sup>3</sup> / <sub>8</sub> | 2 <sup>13</sup> / <sub>16</sub> | ALT1P5T                        | 5 <sup>15</sup> / <sub>16</sub>      | 2 <sup>3</sup> / <sub>8</sub> | 2 <sup>13</sup> / <sub>16</sub> |  |
| 1                             | 2/0                | 4                 | T2P2T             | 5 <sup>5</sup> / <sub>8</sub>    | 2 <sup>1</sup> / <sub>2</sub> | 2 <sup>7</sup> / <sub>16</sub>  | ALT2P2T                        | 5 <sup>5</sup> / <sub>8</sub>        | 2 <sup>1</sup> / <sub>2</sub> | 2 <sup>7</sup> / <sub>16</sub>  |  |
| 1                             | 350                | 2/0               | T2P4T             | 6 <sup>1</sup> / <sub>4</sub>    | 2 <sup>1</sup> / <sub>2</sub> | 2 <sup>13</sup> / <sub>16</sub> | ALT2P4T                        | 6 <sup>1</sup> / <sub>4</sub>        | 2 <sup>1</sup> / <sub>2</sub> | 2 <sup>13</sup> / <sub>16</sub> |  |
| 1                             | 600                | 350               | T2P5T             | 6 <sup>1</sup> / <sub>4</sub>    | 2 <sup>1</sup> / <sub>2</sub> | 2 <sup>13</sup> / <sub>16</sub> | ALT2P5T                        | 6 <sup>1</sup> / <sub>4</sub>        | 2 <sup>1</sup> / <sub>2</sub> | 2 <sup>13</sup> / <sub>16</sub> |  |
| 1 <sup>1</sup> / <sub>4</sub> | 350                | 2/0               | T3P4T             | 6 <sup>5</sup> / <sub>8</sub>    | 2 <sup>5</sup> / <sub>8</sub> | 2 <sup>13</sup> / <sub>16</sub> | ALT3P4T                        | 6 <sup>5</sup> / <sub>8</sub>        | 2 <sup>5</sup> / <sub>8</sub> | 2 <sup>13</sup> / <sub>16</sub> |  |
| 1 <sup>1</sup> / <sub>4</sub> | 600                | 350               | T3P5T             | 6 <sup>5</sup> / <sub>8</sub>    | 2 <sup>5</sup> / <sub>8</sub> | 2 <sup>13</sup> / <sub>16</sub> | ALT3P5T                        | 6 <sup>5</sup> / <sub>8</sub>        | 2 <sup>5</sup> / <sub>8</sub> | 2 <sup>13</sup> / <sub>16</sub> |  |
| 1 <sup>1</sup> / <sub>4</sub> | 1000               | 600               | T3P6T             | 6 <sup>13</sup> / <sub>16</sub>  | 2 <sup>5</sup> / <sub>8</sub> | 3                               | ALT3P6T                        | 6 <sup>13</sup> / <sub>16</sub>      | 2 <sup>5</sup> / <sub>8</sub> | 3                               |  |
| 1 <sup>1</sup> / <sub>2</sub> | 350                | 2/0               | T4P4T             | 6 <sup>13</sup> / <sub>16</sub>  | 2 <sup>3</sup> / <sub>4</sub> | 2 <sup>13</sup> / <sub>16</sub> | ALT4P4T                        | 6 <sup>13</sup> / <sub>16</sub>      | 2 <sup>3</sup> / <sub>4</sub> | 2 <sup>13</sup> / <sub>16</sub> |  |
| 1 <sup>1</sup> / <sub>2</sub> | 600                | 350               | T4P5T             | 6 <sup>13</sup> / <sub>16</sub>  | 2 <sup>3</sup> / <sub>4</sub> | 2 <sup>13</sup> / <sub>16</sub> | ALT4P5T                        | 6 <sup>13</sup> / <sub>16</sub>      | 2 <sup>3</sup> / <sub>4</sub> | 2 <sup>13</sup> / <sub>16</sub> |  |
| 1 <sup>1</sup> / <sub>2</sub> | 1000               | 600               | T4P6T             | 7                                | 2 <sup>3</sup> / <sub>4</sub> | 3                               | ALT4P6T                        | 7                                    | 2 <sup>3</sup> / <sub>4</sub> | 3                               |  |
| 2                             | 350                | 2/0               | T5P4T             | 7 <sup>5</sup> / <sub>16</sub>   | 2 <sup>7</sup> / <sub>8</sub> | 2 <sup>13</sup> / <sub>16</sub> | ALT5P4T                        | 7 <sup>5</sup> / <sub>16</sub>       | 2 <sup>7</sup> / <sub>8</sub> | 2 <sup>13</sup> / <sub>16</sub> |  |
| 2                             | 600                | 350               | T5P5T             | 7 <sup>5</sup> / <sub>16</sub>   | 2 <sup>7</sup> / <sub>8</sub> | 2 <sup>13</sup> / <sub>16</sub> | ALT5P5T                        | 7 <sup>5</sup> / <sub>16</sub>       | 2 <sup>7</sup> / <sub>8</sub> | 2 <sup>13</sup> / <sub>16</sub> |  |
| 2                             | 1000               | 600               | T5P6T             | 7 <sup>1</sup> / <sub>2</sub>    | 2 <sup>7</sup> / <sub>8</sub> | 3                               | ALT5P6T                        | 7 <sup>1</sup> / <sub>2</sub>        | 2 <sup>7</sup> / <sub>8</sub> | 3                               |  |
| 2 <sup>1</sup> / <sub>2</sub> | 350                | 2/0               | T6P4T             | 7 <sup>13</sup> / <sub>16</sub>  | 3                             | 2 <sup>13</sup> / <sub>16</sub> | ALT6P4T                        | 7 <sup>13</sup> / <sub>16</sub>      | 3                             | 2 <sup>13</sup> / <sub>16</sub> |  |
| 2 <sup>1</sup> / <sub>2</sub> | 600                | 350               | T6P5T             | 7 <sup>13</sup> / <sub>16</sub>  | 3                             | 2 <sup>13</sup> / <sub>16</sub> | ALT6P5T                        | 7 <sup>13</sup> / <sub>16</sub>      | 3                             | 2 <sup>13</sup> / <sub>16</sub> |  |
| 2 <sup>1</sup> / <sub>2</sub> | 1000               | 600               | T6P6T             | 8                                | 3                             | 3                               | ALT6P6T                        | 8                                    | 3                             | 3                               |  |
| 2 <sup>1</sup> / <sub>2</sub> | 1500               | 1000              | T6P7T             | 8 <sup>3</sup> / <sub>16</sub>   | 3                             | 3 <sup>3</sup> / <sub>16</sub>  | ALT6P7T                        | 8 <sup>3</sup> / <sub>16</sub>       | 3                             | 3 <sup>3</sup> / <sub>16</sub>  |  |
| 2 <sup>1</sup> / <sub>2</sub> | 2000               | 1500              | T6P8T             | 8 <sup>3</sup> / <sub>16</sub>   | 3                             | 2 <sup>13</sup> / <sub>16</sub> | ALT6P8T                        | 8 <sup>3</sup> / <sub>16</sub>       | 3                             | 2 <sup>13</sup> / <sub>16</sub> |  |
| 3                             | 350                | 2/0               | T7P4T             | 8 <sup>3</sup> / <sub>16</sub>   | 3                             | 2 <sup>13</sup> / <sub>16</sub> | ALT7P4T                        | 8 <sup>3</sup> / <sub>16</sub>       | 3                             | 2 <sup>13</sup> / <sub>16</sub> |  |
| 3                             | 600                | 350               | T7P5T             | 8 <sup>3</sup> / <sub>16</sub>   | 3                             | 2 <sup>13</sup> / <sub>16</sub> | ALT7P5T                        | 8 <sup>3</sup> / <sub>16</sub>       | 3                             | 2 <sup>13</sup> / <sub>16</sub> |  |
| 3                             | 1000               | 600               | T7P6T             | 8 <sup>3</sup> / <sub>16</sub>   | 3                             | 3                               | ALT7P6T                        | 8 <sup>3</sup> / <sub>16</sub>       | 3                             | 3                               |  |
| 3                             | 1500               | 1000              | T7P7T             | 8 <sup>9</sup> / <sub>16</sub>   | 3                             | 3 <sup>3</sup> / <sub>16</sub>  | ALT7P7T                        | 8 <sup>9</sup> / <sub>16</sub>       | 3                             | 3 <sup>3</sup> / <sub>16</sub>  |  |
| 3                             | 2000               | 1500              | T7P8T             | 8 <sup>3</sup> / <sub>4</sub>    | 3                             | 3 <sup>3</sup> / <sub>8</sub>   | ALT7P8T                        | 8 <sup>3</sup> / <sub>4</sub>        | 3                             | 3 <sup>3</sup> / <sub>8</sub>   |  |
| 3 <sup>1</sup> / <sub>2</sub> | 600                | 350               | T8P5T             | 8 <sup>11</sup> / <sub>16</sub>  | 3 <sup>1</sup> / <sub>4</sub> | 2 <sup>13</sup> / <sub>16</sub> | ALT8P5T                        | 8 <sup>11</sup> / <sub>16</sub>      | 3 <sup>1</sup> / <sub>4</sub> | 2 <sup>13</sup> / <sub>16</sub> |  |
| 3 <sup>1</sup> / <sub>2</sub> | 1000               | 600               | T8P6T             | 8 <sup>7</sup> / <sub>8</sub>    | 3 <sup>1</sup> / <sub>4</sub> | 3                               | ALT8P6T                        | 8 <sup>7</sup> / <sub>8</sub>        | 3 <sup>1</sup> / <sub>4</sub> | 3                               |  |
| 3 <sup>1</sup> / <sub>2</sub> | 1500               | 1000              | T8P7T             | 9 <sup>1</sup> / <sub>16</sub>   | 3 <sup>1</sup> / <sub>4</sub> | 3 <sup>3</sup> / <sub>16</sub>  | ALT8P7T                        | 9 <sup>1</sup> / <sub>16</sub>       | 3 <sup>1</sup> / <sub>4</sub> | 3 <sup>3</sup> / <sub>16</sub>  |  |
| 3 <sup>1</sup> / <sub>2</sub> | 2000               | 1500              | T8P8T             | 9 <sup>1</sup> / <sub>4</sub>    | 3 <sup>1</sup> / <sub>4</sub> | 3 <sup>3</sup> / <sub>8</sub>   | ALT8P8T                        | 9 <sup>1</sup> / <sub>4</sub>        | 3 <sup>1</sup> / <sub>4</sub> | 3 <sup>3</sup> / <sub>8</sub>   |  |
| 4                             | 600                | 350               | T9P5T             | 9 <sup>3</sup> / <sub>16</sub>   | 3 <sup>1</sup> / <sub>2</sub> | 2 <sup>13</sup> / <sub>16</sub> | ALT9P5T                        | 9 <sup>3</sup> / <sub>16</sub>       | 3 <sup>1</sup> / <sub>2</sub> | 2 <sup>13</sup> / <sub>16</sub> |  |
| 4                             | 1000               | 600               | T9P6T             | 9 <sup>3</sup> / <sub>8</sub>    | 3 <sup>1</sup> / <sub>2</sub> | 3                               | ALT9P6T                        | 9 <sup>3</sup> / <sub>8</sub>        | 3 <sup>1</sup> / <sub>2</sub> | 3                               |  |
| 4                             | 1500               | 1000              | T9P7T             | 9 <sup>9</sup> / <sub>16</sub>   | 3 <sup>1</sup> / <sub>2</sub> | 3 <sup>3</sup> / <sub>16</sub>  | ALT9P7T                        | 9 <sup>9</sup> / <sub>16</sub>       | 3 <sup>1</sup> / <sub>2</sub> | 3 <sup>3</sup> / <sub>16</sub>  |  |
| 4                             | 2000               | 1500              | T9P8T             | 9 <sup>3</sup> / <sub>4</sub>    | 3 <sup>1</sup> / <sub>2</sub> | 3 <sup>3</sup> / <sub>8</sub>   | ALT9P8T                        | 9 <sup>3</sup> / <sub>4</sub>        | 3 <sup>1</sup> / <sub>2</sub> | 3 <sup>3</sup> / <sub>8</sub>   |  |



| IPS<br>Run Tap |       | BRONZE CONNECTORS |                                   |                                 |                               | DUAL-RATED ALUMINUM CONNECTORS |                |                                   |                                 |                               |     |
|----------------|-------|-------------------|-----------------------------------|---------------------------------|-------------------------------|--------------------------------|----------------|-----------------------------------|---------------------------------|-------------------------------|-----|
|                |       | Catalog Number    | Dimension in Inches (Approximate) |                                 |                               |                                | Catalog Number | Dimension in Inches (Approximate) |                                 |                               |     |
|                |       |                   | A                                 | B                               | C                             | J                              |                | A                                 | B                               | C                             | J   |
| 1/2            | 1/2   | T00T-6            | 3 <sup>5</sup> / <sub>16</sub>    | 2                               | 1 <sup>3</sup> / <sub>4</sub> | 3/8                            | ALT00T-6       | 3 <sup>5</sup> / <sub>16</sub>    | 2                               | 1 <sup>3</sup> / <sub>4</sub> | 3/8 |
| 1/2            | 1/2   | T00T              | 3 <sup>11</sup> / <sub>16</sub>   | 2 <sup>1</sup> / <sub>4</sub>   | 2                             | 1/2                            | ALT00T         | 3 <sup>11</sup> / <sub>16</sub>   | 2 <sup>1</sup> / <sub>4</sub>   | 2                             | 1/2 |
| 3/4            | 1/2   | T10T              | 3 <sup>7</sup> / <sub>8</sub>     | 2 <sup>3</sup> / <sub>8</sub>   | 2                             | 1/2                            | ALT10T         | 3 <sup>7</sup> / <sub>8</sub>     | 2 <sup>3</sup> / <sub>8</sub>   | 2                             | 1/2 |
| 3/4            | 3/4   | T11T-6            | 3 <sup>3</sup> / <sub>4</sub>     | 2 <sup>1</sup> / <sub>8</sub>   | 2                             | 3/8                            | ALT11T-6       | 3 <sup>3</sup> / <sub>4</sub>     | 2 <sup>1</sup> / <sub>8</sub>   | 2                             | 3/8 |
| 3/4            | 3/4   | T11T              | 4 <sup>1</sup> / <sub>8</sub>     | 2 <sup>3</sup> / <sub>8</sub>   | 2 <sup>1</sup> / <sub>4</sub> | 1/2                            | ALT11T         | 4 <sup>1</sup> / <sub>8</sub>     | 2 <sup>3</sup> / <sub>8</sub>   | 2 <sup>1</sup> / <sub>4</sub> | 1/2 |
| 1              | 1/2   | T20T              | 4 <sup>1</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>2</sub>   | 2                             | 1/2                            | ALT20T         | 4 <sup>1</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>2</sub>   | 2                             | 1/2 |
| 1              | 3/4   | T21T              | 4 <sup>3</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>2</sub>   | 2 <sup>1</sup> / <sub>4</sub> | 1/2                            | ALT21T         | 4 <sup>3</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>2</sub>   | 2 <sup>1</sup> / <sub>4</sub> | 1/2 |
| 1              | 1     | T22T              | 4 <sup>5</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>2</sub>   | 2 <sup>1</sup> / <sub>2</sub> | 1/2                            | ALT22T         | 4 <sup>5</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>2</sub>   | 2 <sup>1</sup> / <sub>2</sub> | 1/2 |
| 1 1/4          | 3/4   | T31T              | 4 <sup>11</sup> / <sub>16</sub>   | 2 <sup>3</sup> / <sub>4</sub>   | 2 <sup>1</sup> / <sub>4</sub> | 1/2                            | ALT31T         | 4 <sup>11</sup> / <sub>16</sub>   | 2 <sup>3</sup> / <sub>4</sub>   | 2 <sup>1</sup> / <sub>4</sub> | 1/2 |
| 1 1/4          | 1     | T32T              | 4 <sup>15</sup> / <sub>16</sub>   | 2 <sup>3</sup> / <sub>4</sub>   | 2 <sup>1</sup> / <sub>2</sub> | 1/2                            | ALT32T         | 4 <sup>15</sup> / <sub>16</sub>   | 2 <sup>3</sup> / <sub>4</sub>   | 2 <sup>1</sup> / <sub>2</sub> | 1/2 |
| 1 1/4          | 1 1/4 | T33T              | 5 <sup>3</sup> / <sub>16</sub>    | 2 <sup>3</sup> / <sub>4</sub>   | 2 <sup>3</sup> / <sub>4</sub> | 1/2                            | ALT33T         | 5 <sup>3</sup> / <sub>16</sub>    | 2 <sup>3</sup> / <sub>4</sub>   | 2 <sup>3</sup> / <sub>4</sub> | 1/2 |
| 1 1/2          | 3/4   | T41T              | 4 <sup>15</sup> / <sub>16</sub>   | 2 <sup>3</sup> / <sub>4</sub>   | 2 <sup>1</sup> / <sub>4</sub> | 1/2                            | ALT41T         | 4 <sup>15</sup> / <sub>16</sub>   | 2 <sup>3</sup> / <sub>4</sub>   | 2 <sup>1</sup> / <sub>4</sub> | 1/2 |
| 1 1/2          | 1     | T42T              | 5 <sup>3</sup> / <sub>16</sub>    | 2 <sup>3</sup> / <sub>4</sub>   | 2 <sup>1</sup> / <sub>2</sub> | 1/2                            | ALT42T         | 5 <sup>3</sup> / <sub>16</sub>    | 2 <sup>3</sup> / <sub>4</sub>   | 2 <sup>1</sup> / <sub>2</sub> | 1/2 |
| 1 1/2          | 1 1/4 | T43T              | 5 <sup>7</sup> / <sub>16</sub>    | 2 <sup>3</sup> / <sub>4</sub>   | 2 <sup>3</sup> / <sub>4</sub> | 1/2                            | ALT43T         | 5 <sup>7</sup> / <sub>16</sub>    | 2 <sup>3</sup> / <sub>4</sub>   | 2 <sup>3</sup> / <sub>4</sub> | 1/2 |
| 1 1/2          | 1 1/2 | T44T              | 5 <sup>11</sup> / <sub>16</sub>   | 2 <sup>3</sup> / <sub>4</sub>   | 3                             | 1/2                            | ALT44T         | 5 <sup>11</sup> / <sub>16</sub>   | 2 <sup>3</sup> / <sub>4</sub>   | 3                             | 1/2 |
| 2              | 1     | T52T              | 5 <sup>9</sup> / <sub>16</sub>    | 2 <sup>7</sup> / <sub>8</sub>   | 2 <sup>1</sup> / <sub>2</sub> | 1/2                            | ALT52T         | 5 <sup>9</sup> / <sub>16</sub>    | 2 <sup>7</sup> / <sub>8</sub>   | 2 <sup>1</sup> / <sub>2</sub> | 1/2 |
| 2              | 1 1/4 | T53T              | 5 <sup>15</sup> / <sub>16</sub>   | 2 <sup>7</sup> / <sub>8</sub>   | 2 <sup>3</sup> / <sub>4</sub> | 1/2                            | ALT53T         | 5 <sup>15</sup> / <sub>16</sub>   | 2 <sup>7</sup> / <sub>8</sub>   | 2 <sup>3</sup> / <sub>4</sub> | 1/2 |
| 2              | 1 1/2 | T54T              | 6 <sup>1</sup> / <sub>16</sub>    | 2 <sup>7</sup> / <sub>8</sub>   | 3                             | 1/2                            | ALT54T         | 6 <sup>1</sup> / <sub>16</sub>    | 2 <sup>7</sup> / <sub>8</sub>   | 3                             | 1/2 |
| 2              | 2     | T55T              | 6 <sup>7</sup> / <sub>16</sub>    | 2 <sup>7</sup> / <sub>8</sub>   | 3 <sup>1</sup> / <sub>4</sub> | 1/2                            | ALT55T         | 6 <sup>7</sup> / <sub>16</sub>    | 2 <sup>7</sup> / <sub>8</sub>   | 3 <sup>1</sup> / <sub>4</sub> | 1/2 |
| 2 1/2          | 1 1/4 | T63T              | 6 <sup>7</sup> / <sub>16</sub>    | 3                               | 2 <sup>3</sup> / <sub>4</sub> | 1/2                            | ALT63T         | 6 <sup>7</sup> / <sub>16</sub>    | 3                               | 2 <sup>3</sup> / <sub>4</sub> | 1/2 |
| 2 1/2          | 1 1/2 | T64T              | 6 <sup>11</sup> / <sub>16</sub>   | 3                               | 3                             | 1/2                            | ALT64T         | 6 <sup>11</sup> / <sub>16</sub>   | 3                               | 3                             | 1/2 |
| 2 1/2          | 2     | T65T              | 6 <sup>15</sup> / <sub>16</sub>   | 3                               | 3 <sup>1</sup> / <sub>4</sub> | 1/2                            | ALT65T         | 6 <sup>15</sup> / <sub>16</sub>   | 3                               | 3 <sup>1</sup> / <sub>4</sub> | 1/2 |
| 2 1/2          | 2 1/2 | T66T              | 7 <sup>3</sup> / <sub>16</sub>    | 3                               | 3 <sup>1</sup> / <sub>2</sub> | 1/2                            | ALT66T         | 7 <sup>3</sup> / <sub>16</sub>    | 3                               | 3 <sup>1</sup> / <sub>2</sub> | 1/2 |
| 3              | 1 1/2 | T74T              | 7 <sup>7</sup> / <sub>16</sub>    | 3                               | 3                             | 1/2                            | ALT74T         | 7 <sup>7</sup> / <sub>16</sub>    | 3                               | 3                             | 1/2 |
| 3              | 2     | T75T              | 7 <sup>9</sup> / <sub>16</sub>    | 3                               | 3 <sup>1</sup> / <sub>4</sub> | 1/2                            | ALT75T         | 7 <sup>9</sup> / <sub>16</sub>    | 3                               | 3 <sup>1</sup> / <sub>4</sub> | 1/2 |
| 3              | 2 1/2 | T76T              | 7 <sup>13</sup> / <sub>16</sub>   | 3                               | 3 <sup>1</sup> / <sub>2</sub> | 1/2                            | ALT76T         | 7 <sup>13</sup> / <sub>16</sub>   | 3                               | 3 <sup>1</sup> / <sub>2</sub> | 1/2 |
| 3              | 3     | T77T              | 8 <sup>3</sup> / <sub>16</sub>    | 3 <sup>1</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>4</sub> | 5/8                            | ALT77T         | 8 <sup>3</sup> / <sub>16</sub>    | 3 <sup>1</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>4</sub> | 5/8 |
| 3 1/2          | 2     | T85T              | 8 <sup>7</sup> / <sub>16</sub>    | 3 <sup>1</sup> / <sub>4</sub>   | 3 <sup>1</sup> / <sub>4</sub> | 1/2                            | ALT85T         | 8 <sup>7</sup> / <sub>16</sub>    | 3 <sup>1</sup> / <sub>4</sub>   | 3 <sup>1</sup> / <sub>4</sub> | 1/2 |
| 3 1/2          | 2 1/2 | T86T              | 8 <sup>5</sup> / <sub>16</sub>    | 3 <sup>1</sup> / <sub>4</sub>   | 3 <sup>1</sup> / <sub>2</sub> | 1/2                            | ALT86T         | 8 <sup>5</sup> / <sub>16</sub>    | 3 <sup>1</sup> / <sub>4</sub>   | 3 <sup>1</sup> / <sub>2</sub> | 1/2 |
| 3 1/2          | 3     | T87T              | 8 <sup>11</sup> / <sub>16</sub>   | 3 <sup>1</sup> / <sub>2</sub>   | 3 <sup>3</sup> / <sub>4</sub> | 5/8                            | ALT87T         | 8 <sup>11</sup> / <sub>16</sub>   | 3 <sup>1</sup> / <sub>2</sub>   | 3 <sup>3</sup> / <sub>4</sub> | 5/8 |
| 3 1/2          | 3 1/2 | T88T              | 8 <sup>15</sup> / <sub>16</sub>   | 3 <sup>1</sup> / <sub>2</sub>   | 4                             | 5/8                            | ALT88T         | 8 <sup>15</sup> / <sub>16</sub>   | 3 <sup>1</sup> / <sub>2</sub>   | 4                             | 5/8 |
| 4              | 2     | T95T              | 8 <sup>9</sup> / <sub>16</sub>    | 3 <sup>1</sup> / <sub>2</sub>   | 3 <sup>1</sup> / <sub>4</sub> | 1/2                            | ALT95T         | 8 <sup>9</sup> / <sub>16</sub>    | 3 <sup>1</sup> / <sub>2</sub>   | 3 <sup>1</sup> / <sub>4</sub> | 1/2 |
| 4              | 2 1/2 | T96T              | 8 <sup>13</sup> / <sub>16</sub>   | 3 <sup>1</sup> / <sub>2</sub>   | 3 <sup>1</sup> / <sub>2</sub> | 1/2                            | ALT96T         | 8 <sup>13</sup> / <sub>16</sub>   | 3 <sup>1</sup> / <sub>2</sub>   | 3 <sup>1</sup> / <sub>2</sub> | 1/2 |
| 4              | 3     | T97T              | 9 <sup>1</sup> / <sub>16</sub>    | 3 <sup>3</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>4</sub> | 5/8                            | ALT97T         | 9 <sup>1</sup> / <sub>16</sub>    | 3 <sup>3</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>4</sub> | 5/8 |
| 4              | 3 1/2 | T98T              | 9 <sup>7</sup> / <sub>16</sub>    | 3 <sup>3</sup> / <sub>4</sub>   | 4                             | 5/8                            | ALT98T         | 9 <sup>7</sup> / <sub>16</sub>    | 3 <sup>3</sup> / <sub>4</sub>   | 4                             | 5/8 |
| 4              | 4     | T99T              | 9 <sup>15</sup> / <sub>16</sub>   | 3 <sup>3</sup> / <sub>4</sub>   | 4 <sup>1</sup> / <sub>2</sub> | 5/8                            | ALT99T         | 9 <sup>15</sup> / <sub>16</sub>   | 3 <sup>3</sup> / <sub>4</sub>   | 4 <sup>1</sup> / <sub>2</sub> | 5/8 |
| 1/2            | 1/2   | TK00T             | 4 <sup>3</sup> / <sub>4</sub>     | 4 <sup>7</sup> / <sub>8</sub>   | 2 <sup>1</sup> / <sub>4</sub> | 1/2                            | ALT00T         | 4 <sup>3</sup> / <sub>4</sub>     | 4 <sup>7</sup> / <sub>8</sub>   | 2 <sup>1</sup> / <sub>4</sub> | 1/2 |
| 3/4            | 3/4   | TK11T             | 5 <sup>5</sup> / <sub>8</sub>     | 5 <sup>3</sup> / <sub>16</sub>  | 2 <sup>3</sup> / <sub>8</sub> | 1/2                            | ALT00T         | 5 <sup>5</sup> / <sub>8</sub>     | 5 <sup>3</sup> / <sub>16</sub>  | 2 <sup>3</sup> / <sub>8</sub> | 1/2 |
| 1              | 3/4   | TK21T             | 5 <sup>1</sup> / <sub>2</sub>     | 5 <sup>1</sup> / <sub>2</sub>   | 2 <sup>3</sup> / <sub>8</sub> | 1/2                            | ALT00T         | 5 <sup>1</sup> / <sub>2</sub>     | 5 <sup>1</sup> / <sub>2</sub>   | 2 <sup>3</sup> / <sub>8</sub> | 1/2 |
| 1              | 1     | TK22T             | 5 <sup>1</sup> / <sub>2</sub>     | 5 <sup>5</sup> / <sub>8</sub>   | 2 <sup>1</sup> / <sub>2</sub> | 1/2                            | ALT00T         | 5 <sup>1</sup> / <sub>2</sub>     | 5 <sup>5</sup> / <sub>8</sub>   | 2 <sup>1</sup> / <sub>2</sub> | 1/2 |
| 1 1/4          | 3/4   | TK31T             | 5 <sup>7</sup> / <sub>8</sub>     | 5 <sup>7</sup> / <sub>8</sub>   | 2 <sup>3</sup> / <sub>8</sub> | 1/2                            | ALT00T         | 5 <sup>7</sup> / <sub>8</sub>     | 5 <sup>7</sup> / <sub>8</sub>   | 2 <sup>3</sup> / <sub>8</sub> | 1/2 |
| 1 1/4          | 1     | TK32T             | 5 <sup>7</sup> / <sub>8</sub>     | 6                               | 2 <sup>1</sup> / <sub>2</sub> | 1/2                            | ALT00T         | 5 <sup>7</sup> / <sub>8</sub>     | 6                               | 2 <sup>1</sup> / <sub>2</sub> | 1/2 |
| 1 1/4          | 1 1/4 | TK33T             | 5 <sup>7</sup> / <sub>8</sub>     | 6 <sup>1</sup> / <sub>8</sub>   | 2 <sup>3</sup> / <sub>8</sub> | 1/2                            | ALT00T         | 5 <sup>7</sup> / <sub>8</sub>     | 6 <sup>1</sup> / <sub>8</sub>   | 2 <sup>3</sup> / <sub>8</sub> | 1/2 |
| 1 1/2          | 3/4   | TK41T             | 6 <sup>1</sup> / <sub>4</sub>     | 6 <sup>1</sup> / <sub>16</sub>  | 2 <sup>3</sup> / <sub>8</sub> | 1/2                            | ALT00T         | 6 <sup>1</sup> / <sub>4</sub>     | 6 <sup>1</sup> / <sub>16</sub>  | 2 <sup>3</sup> / <sub>8</sub> | 1/2 |
| 1 1/2          | 1     | TK42T             | 6 <sup>1</sup> / <sub>4</sub>     | 6 <sup>3</sup> / <sub>16</sub>  | 2 <sup>1</sup> / <sub>2</sub> | 1/2                            | ALT00T         | 6 <sup>1</sup> / <sub>4</sub>     | 6 <sup>3</sup> / <sub>16</sub>  | 2 <sup>1</sup> / <sub>2</sub> | 1/2 |
| 1 1/2          | 1 1/4 | TK43T             | 6 <sup>1</sup> / <sub>4</sub>     | 6 <sup>5</sup> / <sub>16</sub>  | 2 <sup>5</sup> / <sub>8</sub> | 1/2                            | ALT00T         | 6 <sup>1</sup> / <sub>4</sub>     | 6 <sup>5</sup> / <sub>16</sub>  | 2 <sup>5</sup> / <sub>8</sub> | 1/2 |
| 1 1/2          | 1 1/2 | TK44T             | 6 <sup>1</sup> / <sub>4</sub>     | 6 <sup>1</sup> / <sub>2</sub>   | 2 <sup>3</sup> / <sub>4</sub> | 1/2                            | ALT00T         | 6 <sup>1</sup> / <sub>4</sub>     | 6 <sup>1</sup> / <sub>2</sub>   | 2 <sup>3</sup> / <sub>4</sub> | 1/2 |
| 2              | 1     | TK52T             | 6 <sup>5</sup> / <sub>8</sub>     | 6 <sup>11</sup> / <sub>16</sub> | 2 <sup>1</sup> / <sub>2</sub> | 1/2                            | ALT00T         | 6 <sup>5</sup> / <sub>8</sub>     | 6 <sup>11</sup> / <sub>16</sub> | 2 <sup>1</sup> / <sub>2</sub> | 1/2 |
| 2              | 1 1/4 | TK53T             | 6 <sup>5</sup> / <sub>8</sub>     | 6 <sup>13</sup> / <sub>16</sub> | 2 <sup>3</sup> / <sub>8</sub> | 1/2                            | ALT00T         | 6 <sup>5</sup> / <sub>8</sub>     | 6 <sup>13</sup> / <sub>16</sub> | 2 <sup>3</sup> / <sub>8</sub> | 1/2 |
| 2              | 1 1/2 | TK54T             | 6 <sup>5</sup> / <sub>8</sub>     | 7                               | 2 <sup>3</sup> / <sub>4</sub> | 1/2                            | ALT00T         | 6 <sup>5</sup> / <sub>8</sub>     | 7                               | 2 <sup>3</sup> / <sub>4</sub> | 1/2 |
| 2              | 2     | TK55T             | 6 <sup>5</sup> / <sub>8</sub>     | 7 <sup>1</sup> / <sub>8</sub>   | 2 <sup>7</sup> / <sub>8</sub> | 1/2                            | ALT00T         | 6 <sup>5</sup> / <sub>8</sub>     | 7 <sup>1</sup> / <sub>8</sub>   | 2 <sup>7</sup> / <sub>8</sub> | 1/2 |
| 2 1/2          | 1 1/4 | TK63T             | 7                                 | 7 <sup>5</sup> / <sub>16</sub>  | 2 <sup>5</sup> / <sub>8</sub> | 1/2                            | ALT00T         | 7                                 | 7 <sup>5</sup> / <sub>16</sub>  | 2 <sup>5</sup> / <sub>8</sub> | 1/2 |
| 2 1/2          | 1 1/2 | TK64T             | 7                                 | 7 <sup>1</sup> / <sub>2</sub>   | 2 <sup>3</sup> / <sub>4</sub> | 1/2                            | ALT00T         | 7                                 | 7 <sup>1</sup> / <sub>2</sub>   | 2 <sup>3</sup> / <sub>4</sub> | 1/2 |
| 2 1/2          | 2     | TK65T             | 7                                 | 7 <sup>5</sup> / <sub>8</sub>   | 2 <sup>7</sup> / <sub>8</sub> | 1/2                            | ALT00T         | 7                                 | 7 <sup>5</sup> / <sub>8</sub>   | 2 <sup>7</sup> / <sub>8</sub> | 1/2 |
| 2 1/2          | 2 1/2 | TK66T             | 7                                 | 7 <sup>3</sup> / <sub>4</sub>   | 3                             | 1/2                            | ALT00T         | 7                                 | 7 <sup>3</sup> / <sub>4</sub>   | 3                             | 1/2 |
| 3              | 1 1/2 | TK74T             | 7 <sup>1</sup> / <sub>4</sub>     | 8 <sup>1</sup> / <sub>8</sub>   | 2 <sup>3</sup> / <sub>4</sub> | 1/2                            | ALT00T         | 7 <sup>1</sup> / <sub>4</sub>     | 8 <sup>1</sup> / <sub>8</sub>   | 2 <sup>3</sup> / <sub>4</sub> | 1/2 |
| 3              | 2     | TK75T             | 7 <sup>1</sup> / <sub>4</sub>     | 8 <sup>1</sup> / <sub>4</sub>   | 2 <sup>7</sup> / <sub>8</sub> | 1/2                            | ALT00T         | 7 <sup>1</sup> / <sub>4</sub>     | 8 <sup>1</sup> / <sub>4</sub>   | 2 <sup>7</sup> / <sub>8</sub> | 1/2 |
| 3              | 2 1/2 | TK76T             | 7 <sup>1</sup> / <sub>4</sub>     | 8 <sup>3</sup> / <sub>8</sub>   | 3                             | 1/2                            | ALT00T         | 7 <sup>1</sup> / <sub>4</sub>     | 8 <sup>3</sup> / <sub>8</sub>   | 3                             | 1/2 |
| 3              | 3     | TK77T             | 7 <sup>3</sup> / <sub>4</sub>     | 8 <sup>15</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>4</sub> | 5/8                            | ALT00T         | 7 <sup>3</sup> / <sub>4</sub>     | 8 <sup>15</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>4</sub> | 5/8 |
| 3 1/2          | 2     | TK85T             | 8                                 | 8 <sup>3</sup> / <sub>4</sub>   | 2 <sup>7</sup> / <sub>8</sub> | 1/2                            | ALT00T         | 8                                 | 8 <sup>3</sup> / <sub>4</sub>   | 2 <sup>7</sup> / <sub>8</sub> | 1/2 |
| 3 1/2          | 2 1/2 | TK86T             | 8                                 | 8 <sup>7</sup> / <sub>8</sub>   | 3                             | 1/2                            | ALT00T         | 8                                 | 8 <sup>7</sup> / <sub>8</sub>   | 3                             | 1/2 |
| 3 1/2          | 3     | TK87T             | 8 <sup>1</sup> / <sub>2</sub>     | 9 <sup>1</sup> / <sub>16</sub>  | 3 <sup>1</sup> / <sub>4</sub> | 5/8                            | ALT00T         | 8 <sup>1</sup> / <sub>2</sub>     | 9 <sup>1</sup> / <sub>16</sub>  | 3 <sup>1</sup> / <sub>4</sub> | 5/8 |
| 3 1/2          | 3 1/2 | TK88T             | 8 <sup>1</sup> / <sub>2</sub>     | 9 <sup>11</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>2</sub> | 5/8                            | ALT00T         | 8 <sup>1</sup> / <sub>2</sub>     | 9 <sup>11</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>2</sub> | 5/8 |
| 4              | 2     | TK95T             | 8 <sup>1</sup> / <sub>2</sub>     | 9 <sup>1</sup> / <sub>4</sub>   | 2 <sup>7</sup> / <sub>8</sub> | 1/2                            | ALT00T         | 8 <sup>1</sup> / <sub>2</sub>     | 9 <sup>1</sup> / <sub>4</sub>   | 2 <sup>7</sup> / <sub>8</sub> | 1/2 |
| 4              | 2 1/2 | TK96T             | 8 <sup>1</sup> / <sub>2</sub>     | 9 <sup>3</sup> / <sub>8</sub>   | 3                             | 1/2                            | ALT00T         | 8 <sup>1</sup> / <sub>2</sub>     | 9 <sup>3</sup> / <sub>8</sub>   | 3                             | 1/2 |
| 4              | 3     | TK97T             | 9                                 | 9 <sup>15</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>4</sub> | 5/8                            | ALT00T         | 9                                 | 9 <sup>15</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>4</sub> | 5/8 |
| 4              | 3 1/2 | TK98T             | 9                                 | 10 <sup>3</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>2</sub> | 5/8                            | ALT00T         | 9                                 | 10 <sup>3</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>2</sub> | 5/8 |
| 4              | 4     | TK99T             | 9                                 | 10 <sup>7</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>4</sub> | 5/8                            | ALT00T         | 9                                 | 10 <sup>7</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>4</sub> | 5/8 |

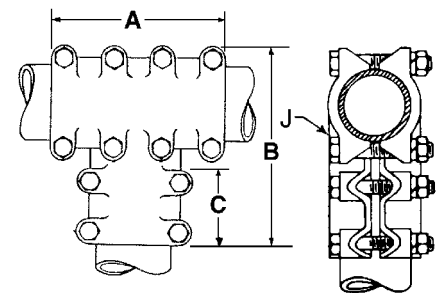
## TT SERIES

Tee connector, tube to tube

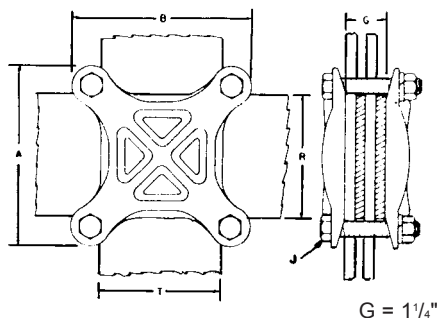


## TKT SERIES

Tee connector, tube to tube



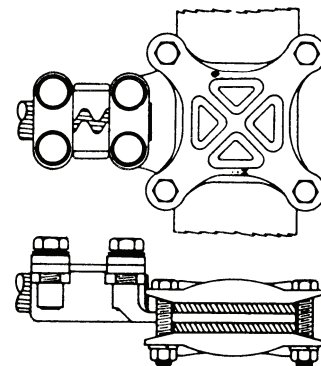
### H SERIES Bar clamps



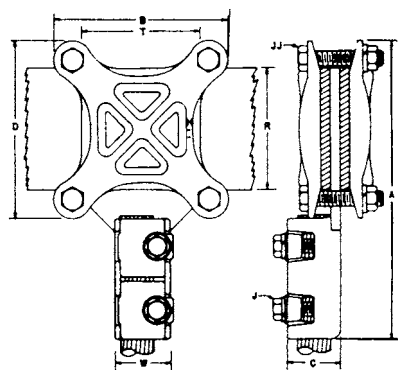
G = 1/4"



### HP SERIES Bar taps

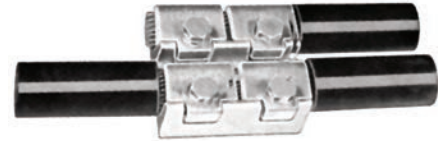


### HJJ SERIES Bar taps



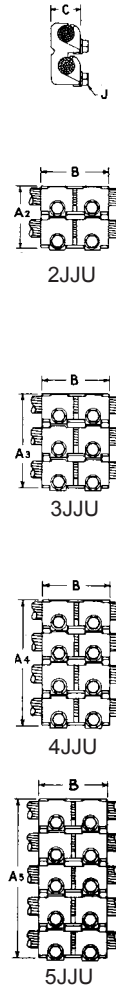
Standard spacing on bar tap clamps accommodates 3/4" bus stack. Specify if greater spacing required.

| Bus Bar |   | Cable Range |      |                               |                                   | Catalog Number                  | BRONZE CONNECTORS              |                                 |                               |                                |                               |                                   |   | DUAL-RATED ALUMINUM CONNECTORS |                                 |                                |                                 |                               |                                |                               |                                 |  |  |  |
|---------|---|-------------|------|-------------------------------|-----------------------------------|---------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|-------------------------------|-----------------------------------|---|--------------------------------|---------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|-------------------------------|---------------------------------|--|--|--|
| R       | T | Max.        | Min. | IPS                           | Dimension in Inches (Approximate) |                                 |                                |                                 |                               |                                |                               | Dimension in Inches (Approximate) |   |                                |                                 |                                |                                 |                               |                                |                               |                                 |  |  |  |
|         |   |             |      |                               | A                                 |                                 | B                              | C                               | D                             | J                              | JJ                            | W                                 | A | B                              | C                               | D                              | J                               | JJ                            | W                              |                               |                                 |  |  |  |
| 3       | 3 |             |      |                               | H33                               | 4 <sup>3</sup> / <sub>8</sub>   | 4 <sup>3</sup> / <sub>8</sub>  |                                 |                               |                                | 3 <sup>1</sup> / <sub>8</sub> |                                   |   |                                | ALH33                           | 4 <sup>3</sup> / <sub>8</sub>  | 4 <sup>3</sup> / <sub>8</sub>   |                               |                                |                               | 3 <sup>1</sup> / <sub>8</sub>   |  |  |  |
| 4       | 4 |             |      |                               | H44                               | 5 <sup>5</sup> / <sub>8</sub>   | 5 <sup>5</sup> / <sub>8</sub>  |                                 |                               |                                | 1 <sup>1</sup> / <sub>2</sub> |                                   |   |                                | ALH44                           | 5 <sup>5</sup> / <sub>8</sub>  | 5 <sup>5</sup> / <sub>8</sub>   |                               |                                |                               | 1 <sup>1</sup> / <sub>2</sub>   |  |  |  |
| 5       | 4 |             |      |                               | H54                               | 6 <sup>7</sup> / <sub>8</sub>   | 5 <sup>5</sup> / <sub>8</sub>  |                                 |                               |                                | 5 <sup>1</sup> / <sub>8</sub> |                                   |   |                                | ALH54                           | 6 <sup>7</sup> / <sub>8</sub>  | 5 <sup>5</sup> / <sub>8</sub>   |                               |                                |                               | 1 <sup>1</sup> / <sub>2</sub>   |  |  |  |
| 5       | 5 |             |      |                               | H55                               | 6 <sup>7</sup> / <sub>8</sub>   | 6 <sup>7</sup> / <sub>8</sub>  |                                 |                               |                                | 5 <sup>1</sup> / <sub>8</sub> |                                   |   |                                | ALH55                           | 6 <sup>7</sup> / <sub>8</sub>  | 6 <sup>7</sup> / <sub>8</sub>   |                               |                                |                               | 5 <sup>1</sup> / <sub>8</sub>   |  |  |  |
| 6       | 4 |             |      |                               | H64                               | 7 <sup>7</sup> / <sub>8</sub>   | 5 <sup>5</sup> / <sub>8</sub>  |                                 |                               |                                | 1 <sup>1</sup> / <sub>2</sub> |                                   |   |                                | ALH64                           | 7 <sup>7</sup> / <sub>8</sub>  | 5 <sup>5</sup> / <sub>8</sub>   |                               |                                |                               | 1 <sup>1</sup> / <sub>2</sub>   |  |  |  |
| 6       | 5 |             |      |                               | H65                               | 7 <sup>7</sup> / <sub>8</sub>   | 6 <sup>7</sup> / <sub>8</sub>  |                                 |                               |                                | 5 <sup>1</sup> / <sub>8</sub> |                                   |   |                                | ALH65                           | 7 <sup>7</sup> / <sub>8</sub>  | 6 <sup>7</sup> / <sub>8</sub>   |                               |                                |                               | 5 <sup>1</sup> / <sub>8</sub>   |  |  |  |
| 6       | 6 |             |      |                               | H66                               | 7 <sup>7</sup> / <sub>8</sub>   | 7 <sup>7</sup> / <sub>8</sub>  |                                 |                               |                                | 5 <sup>1</sup> / <sub>8</sub> |                                   |   |                                | ALH66                           | 7 <sup>7</sup> / <sub>8</sub>  | 7 <sup>7</sup> / <sub>8</sub>   |                               |                                |                               | 5 <sup>1</sup> / <sub>8</sub>   |  |  |  |
| 8       | 4 |             |      |                               | H84                               | 9 <sup>5</sup> / <sub>8</sub>   | 5 <sup>5</sup> / <sub>8</sub>  |                                 |                               |                                | 1 <sup>1</sup> / <sub>2</sub> |                                   |   |                                | ALH84                           | 9 <sup>5</sup> / <sub>8</sub>  | 5 <sup>5</sup> / <sub>8</sub>   |                               |                                |                               | 1 <sup>1</sup> / <sub>2</sub>   |  |  |  |
| 8       | 5 |             |      |                               | H85                               | 10                              | 7                              |                                 |                               |                                | 5 <sup>1</sup> / <sub>8</sub> |                                   |   |                                | ALH85                           | 10                             | 7                               |                               |                                |                               | 5 <sup>1</sup> / <sub>8</sub>   |  |  |  |
| 8       | 6 |             |      |                               | H86                               | 10                              | 8                              |                                 |                               |                                | 5 <sup>1</sup> / <sub>8</sub> |                                   |   |                                | ALH86                           | 10                             | 8                               |                               |                                |                               | 5 <sup>1</sup> / <sub>8</sub>   |  |  |  |
| 8       | 8 |             |      |                               | H88                               | 10 <sup>1</sup> / <sub>8</sub>  | 10 <sup>1</sup> / <sub>8</sub> |                                 |                               |                                | 5 <sup>1</sup> / <sub>8</sub> |                                   |   |                                | ALH88                           | 10 <sup>1</sup> / <sub>8</sub> | 10 <sup>1</sup> / <sub>8</sub>  |                               |                                |                               | 5 <sup>1</sup> / <sub>8</sub>   |  |  |  |
| 3       | 3 | 4/0         | 2/0  |                               | HJJ433                            | 6 <sup>13</sup> / <sub>16</sub> | 4 <sup>3</sup> / <sub>8</sub>  | 1                               | 4 <sup>3</sup> / <sub>8</sub> | 5 <sup>1</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>16</sub>    |   | ALHJJ433                       | 6 <sup>13</sup> / <sub>16</sub> | 4 <sup>3</sup> / <sub>8</sub>  | 1                               | 4 <sup>3</sup> / <sub>8</sub> | 5 <sup>1</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>16</sub>  |  |  |  |
| 4       | 4 | 4/0         | 2/0  |                               | HJJ444                            | 7 <sup>13</sup> / <sub>16</sub> | 5 <sup>3</sup> / <sub>8</sub>  | 1                               | 5 <sup>3</sup> / <sub>8</sub> | 5 <sup>1</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>2</sub> | 1 <sup>1</sup> / <sub>16</sub>    |   | ALHJJ444                       | 7 <sup>13</sup> / <sub>16</sub> | 5 <sup>3</sup> / <sub>8</sub>  | 1                               | 5 <sup>3</sup> / <sub>8</sub> | 5 <sup>1</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>2</sub> | 1 <sup>1</sup> / <sub>16</sub>  |  |  |  |
| 3       | 3 | 350         | 4/0  |                               | HJJ533                            | 7 <sup>1</sup> / <sub>8</sub>   | 4 <sup>3</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>4</sub>   | 4 <sup>3</sup> / <sub>8</sub> | 3 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>4</sub>     |   | ALHJJ533                       | 7 <sup>1</sup> / <sub>8</sub>   | 4 <sup>3</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>4</sub>   | 4 <sup>3</sup> / <sub>8</sub> | 3 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>4</sub>   |  |  |  |
| 4       | 4 | 350         | 4/0  |                               | HJJ544                            | 8 <sup>1</sup> / <sub>8</sub>   | 5 <sup>5</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>4</sub>   | 5 <sup>5</sup> / <sub>8</sub> | 3 <sup>3</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> | 1 <sup>1</sup> / <sub>4</sub>     |   | ALHJJ544                       | 8 <sup>1</sup> / <sub>8</sub>   | 5 <sup>5</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>4</sub>   | 5 <sup>5</sup> / <sub>8</sub> | 3 <sup>3</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> | 1 <sup>1</sup> / <sub>4</sub>   |  |  |  |
| 3       | 3 | 500         | 350  |                               | HJJ633                            | 7 <sup>9</sup> / <sub>8</sub>   | 4 <sup>3</sup> / <sub>8</sub>  | 1 <sup>7</sup> / <sub>16</sub>  | 4 <sup>3</sup> / <sub>8</sub> | 3 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub> | 1 <sup>7</sup> / <sub>16</sub>    |   | ALHJJ633                       | 7 <sup>9</sup> / <sub>8</sub>   | 4 <sup>3</sup> / <sub>8</sub>  | 1 <sup>7</sup> / <sub>16</sub>  | 4 <sup>3</sup> / <sub>8</sub> | 3 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub> | 1 <sup>7</sup> / <sub>16</sub>  |  |  |  |
| 4       | 4 | 500         | 350  |                               | HJJ644                            | 8 <sup>5</sup> / <sub>8</sub>   | 5 <sup>5</sup> / <sub>8</sub>  | 1 <sup>7</sup> / <sub>16</sub>  | 5 <sup>5</sup> / <sub>8</sub> | 3 <sup>3</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> | 1 <sup>7</sup> / <sub>16</sub>    |   | ALHJJ644                       | 8 <sup>5</sup> / <sub>8</sub>   | 5 <sup>5</sup> / <sub>8</sub>  | 1 <sup>7</sup> / <sub>16</sub>  | 5 <sup>5</sup> / <sub>8</sub> | 3 <sup>3</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> | 1 <sup>7</sup> / <sub>16</sub>  |  |  |  |
| 3       | 3 | 750         | 500  |                               | HJJ733                            | 8 <sup>1</sup> / <sub>8</sub>   | 4 <sup>3</sup> / <sub>8</sub>  | 1 <sup>3</sup> / <sub>4</sub>   | 4 <sup>3</sup> / <sub>8</sub> | 7 <sup>1</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>16</sub>    |   | ALHJJ733                       | 8 <sup>1</sup> / <sub>8</sub>   | 4 <sup>3</sup> / <sub>8</sub>  | 1 <sup>3</sup> / <sub>4</sub>   | 4 <sup>3</sup> / <sub>8</sub> | 7 <sup>1</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>16</sub>  |  |  |  |
| 4       | 4 | 750         | 500  |                               | HJJ744                            | 9 <sup>1</sup> / <sub>8</sub>   | 5 <sup>5</sup> / <sub>8</sub>  | 1 <sup>3</sup> / <sub>4</sub>   | 5 <sup>5</sup> / <sub>8</sub> | 7 <sup>1</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>2</sub> | 1 <sup>1</sup> / <sub>16</sub>    |   | ALHJJ744                       | 9 <sup>1</sup> / <sub>8</sub>   | 5 <sup>5</sup> / <sub>8</sub>  | 1 <sup>3</sup> / <sub>4</sub>   | 5 <sup>5</sup> / <sub>8</sub> | 7 <sup>1</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>2</sub> | 1 <sup>1</sup> / <sub>16</sub>  |  |  |  |
| 3       | 3 | 1000        | 750  |                               | HJJ833                            | 8 <sup>13</sup> / <sub>16</sub> | 4 <sup>3</sup> / <sub>8</sub>  | 1 <sup>15</sup> / <sub>16</sub> | 4 <sup>3</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>2</sub>  | 3 <sup>3</sup> / <sub>8</sub> | 1 <sup>15</sup> / <sub>16</sub>   |   | ALHJJ833                       | 8 <sup>13</sup> / <sub>16</sub> | 4 <sup>3</sup> / <sub>8</sub>  | 1 <sup>15</sup> / <sub>16</sub> | 4 <sup>3</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>2</sub>  | 3 <sup>3</sup> / <sub>8</sub> | 1 <sup>15</sup> / <sub>16</sub> |  |  |  |
| 4       | 4 | 1000        | 750  |                               | HJJ844                            | 9 <sup>1</sup> / <sub>16</sub>  | 5 <sup>5</sup> / <sub>8</sub>  | 1 <sup>13</sup> / <sub>16</sub> | 5 <sup>5</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>2</sub>  | 1 <sup>1</sup> / <sub>2</sub> | 1 <sup>15</sup> / <sub>16</sub>   |   | ALHJJ844                       | 9 <sup>1</sup> / <sub>16</sub>  | 5 <sup>5</sup> / <sub>8</sub>  | 1 <sup>13</sup> / <sub>16</sub> | 5 <sup>5</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>2</sub>  | 1 <sup>1</sup> / <sub>2</sub> | 1 <sup>15</sup> / <sub>16</sub> |  |  |  |
| 3       | 3 | 350         | 2/0  | 3/8                           | HP433                             | 7 <sup>9</sup> / <sub>16</sub>  | 4 <sup>3</sup> / <sub>8</sub>  | 1 <sup>3</sup> / <sub>4</sub>   | 4 <sup>3</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>2</sub>  | 3 <sup>3</sup> / <sub>8</sub> | 2 <sup>3</sup> / <sub>8</sub>     |   | ALHP433                        | 7 <sup>9</sup> / <sub>16</sub>  | 4 <sup>3</sup> / <sub>8</sub>  | 1 <sup>3</sup> / <sub>4</sub>   | 4 <sup>3</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>2</sub>  | 3 <sup>3</sup> / <sub>8</sub> | 2 <sup>3</sup> / <sub>8</sub>   |  |  |  |
| 4       | 4 | 350         | 2/0  | 3/8                           | HP444                             | 8 <sup>3</sup> / <sub>16</sub>  | 5 <sup>5</sup> / <sub>8</sub>  | 1 <sup>3</sup> / <sub>4</sub>   | 5 <sup>5</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>2</sub>  | 1 <sup>1</sup> / <sub>2</sub> | 2 <sup>3</sup> / <sub>8</sub>     |   | ALHP444                        | 8 <sup>3</sup> / <sub>16</sub>  | 5 <sup>5</sup> / <sub>8</sub>  | 1 <sup>3</sup> / <sub>4</sub>   | 5 <sup>5</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>2</sub>  | 1 <sup>1</sup> / <sub>2</sub> | 2 <sup>3</sup> / <sub>8</sub>   |  |  |  |
| 3       | 3 | 600         | 350  | 1/2                           | HP533                             | 7 <sup>9</sup> / <sub>16</sub>  | 4 <sup>3</sup> / <sub>8</sub>  | 1 <sup>15</sup> / <sub>16</sub> | 4 <sup>3</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>2</sub>  | 3 <sup>3</sup> / <sub>8</sub> | 2 <sup>1</sup> / <sub>16</sub>    |   | ALHP533                        | 7 <sup>9</sup> / <sub>16</sub>  | 4 <sup>3</sup> / <sub>8</sub>  | 1 <sup>15</sup> / <sub>16</sub> | 4 <sup>3</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>2</sub>  | 3 <sup>3</sup> / <sub>8</sub> | 2 <sup>1</sup> / <sub>16</sub>  |  |  |  |
| 4       | 4 | 600         | 350  | 1/2                           | HP544                             | 8 <sup>3</sup> / <sub>16</sub>  | 5 <sup>5</sup> / <sub>8</sub>  | 1 <sup>15</sup> / <sub>16</sub> | 5 <sup>5</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>2</sub>  | 1 <sup>1</sup> / <sub>2</sub> | 2 <sup>1</sup> / <sub>16</sub>    |   | ALHP544                        | 8 <sup>3</sup> / <sub>16</sub>  | 5 <sup>5</sup> / <sub>8</sub>  | 1 <sup>15</sup> / <sub>16</sub> | 5 <sup>5</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>2</sub>  | 1 <sup>1</sup> / <sub>2</sub> | 2 <sup>1</sup> / <sub>16</sub>  |  |  |  |
| 3       | 3 | 1000        | 600  | 3/4                           | HP633                             | 7 <sup>9</sup> / <sub>8</sub>   | 4 <sup>3</sup> / <sub>8</sub>  | 2 <sup>1</sup> / <sub>16</sub>  | 4 <sup>3</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>2</sub>  | 3 <sup>3</sup> / <sub>8</sub> | 2 <sup>1</sup> / <sub>16</sub>    |   | ALHP633                        | 7 <sup>9</sup> / <sub>8</sub>   | 4 <sup>3</sup> / <sub>8</sub>  | 2 <sup>1</sup> / <sub>16</sub>  | 4 <sup>3</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>2</sub>  | 3 <sup>3</sup> / <sub>8</sub> | 2 <sup>1</sup> / <sub>16</sub>  |  |  |  |
| 4       | 4 | 1000        | 600  | 3/4                           | HP644                             | 8 <sup>3</sup> / <sub>8</sub>   | 5 <sup>5</sup> / <sub>8</sub>  | 2 <sup>1</sup> / <sub>16</sub>  | 5 <sup>5</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>2</sub>  | 1 <sup>1</sup> / <sub>2</sub> | 2 <sup>1</sup> / <sub>16</sub>    |   | ALHP644                        | 8 <sup>3</sup> / <sub>8</sub>   | 5 <sup>5</sup> / <sub>8</sub>  | 2 <sup>1</sup> / <sub>16</sub>  | 5 <sup>5</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>2</sub>  | 1 <sup>1</sup> / <sub>2</sub> | 2 <sup>1</sup> / <sub>16</sub>  |  |  |  |
| 3       | 3 | 1500        | 1000 | 1                             | HP733                             | 7 <sup>9</sup> / <sub>16</sub>  | 4 <sup>3</sup> / <sub>8</sub>  | 2 <sup>1</sup> / <sub>8</sub>   | 4 <sup>3</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>2</sub>  | 3 <sup>3</sup> / <sub>8</sub> | 2 <sup>13</sup> / <sub>16</sub>   |   | ALHP733                        | 7 <sup>9</sup> / <sub>16</sub>  | 4 <sup>3</sup> / <sub>8</sub>  | 2 <sup>1</sup> / <sub>8</sub>   | 4 <sup>3</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>2</sub>  | 3 <sup>3</sup> / <sub>8</sub> | 2 <sup>13</sup> / <sub>16</sub> |  |  |  |
| 4       | 4 | 1500        | 1000 | 1                             | HP744                             | 8 <sup>13</sup> / <sub>16</sub> | 5 <sup>5</sup> / <sub>8</sub>  | 2 <sup>1</sup> / <sub>8</sub>   | 5 <sup>5</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>2</sub>  | 1 <sup>1</sup> / <sub>2</sub> | 2 <sup>13</sup> / <sub>16</sub>   |   | ALHP744                        | 8 <sup>13</sup> / <sub>16</sub> | 5 <sup>5</sup> / <sub>8</sub>  | 2 <sup>1</sup> / <sub>8</sub>   | 5 <sup>5</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>2</sub>  | 1 <sup>1</sup> / <sub>2</sub> | 2 <sup>13</sup> / <sub>16</sub> |  |  |  |
| 3       | 3 | 2000        | 1500 | 1 <sup>1</sup> / <sub>4</sub> | HP833                             | 7 <sup>3</sup> / <sub>4</sub>   | 4 <sup>3</sup> / <sub>8</sub>  | 3                               | 4 <sup>3</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>2</sub>  | 3 <sup>3</sup> / <sub>8</sub> | 3 <sup>1</sup> / <sub>16</sub>    |   | ALHP833                        | 7 <sup>3</sup> / <sub>4</sub>   | 4 <sup>3</sup> / <sub>8</sub>  | 3                               | 4 <sup>3</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>2</sub>  | 3 <sup>3</sup> / <sub>8</sub> | 3 <sup>1</sup> / <sub>16</sub>  |  |  |  |
| 4       | 4 | 2000        | 1500 | 1 <sup>1</sup> / <sub>4</sub> | HP844                             | 9                               | 5 <sup>5</sup> / <sub>8</sub>  | 3                               | 5 <sup>5</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>2</sub>  | 1 <sup>1</sup> / <sub>2</sub> | 3 <sup>1</sup> / <sub>16</sub>    |   | ALHP844                        | 9                               | 5 <sup>5</sup> / <sub>8</sub>  | 3                               | 5 <sup>5</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>2</sub>  | 1 <sup>1</sup> / <sub>2</sub> | 3 <sup>1</sup> / <sub>16</sub>  |  |  |  |



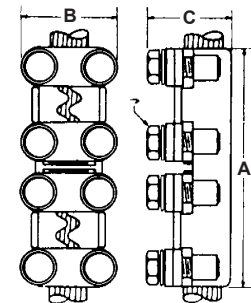
## JJU SERIES Multiple cable coupler

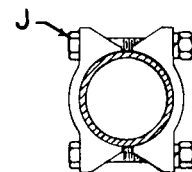
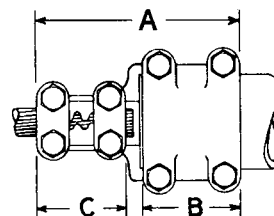
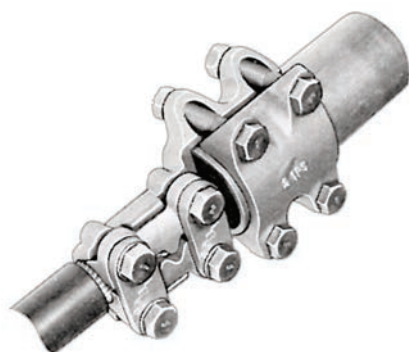
| Cable Range |     |       | BRONZE CONNECTORS               |                                   |                                 |                                 |                                 |                                 |      | DUAL-RATED ALUMINUM CONNECTORS |                                   |                                 |                                 |                                  |                               |                               |      |
|-------------|-----|-------|---------------------------------|-----------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|------|--------------------------------|-----------------------------------|---------------------------------|---------------------------------|----------------------------------|-------------------------------|-------------------------------|------|
|             |     |       | Catalog Number                  | Dimension in Inches (Approximate) |                                 |                                 |                                 |                                 |      | Catalog Number                 | Dimension in Inches (Approximate) |                                 |                                 |                                  |                               |                               |      |
|             |     |       |                                 | A2                                | A3                              | A4                              | A5                              | B                               | C    |                                | J                                 | A2                              | A3                              | A4                               | A5                            | B                             | C    |
| #1          | #4  | 2JJ2U | 1 <sup>5</sup> / <sub>16</sub>  | -                                 | -                               | -                               | 1 <sup>11</sup> / <sub>16</sub> | 3/4                             | 1/4  | AL2JJ2U                        | 2                                 | -                               | -                               | -                                | 3 <sup>5</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>4</sub> | 5/16 |
| 1/0         | #4  | 2JJ3U | 1 <sup>15</sup> / <sub>16</sub> | -                                 | -                               | -                               | 2 <sup>7</sup> / <sub>8</sub>   | 1 <sup>3</sup> / <sub>16</sub>  | 5/16 | AL2JJ4U                        | 2 <sup>7</sup> / <sub>16</sub>    | -                               | -                               | -                                | 3 <sup>3</sup> / <sub>4</sub> | 1 <sup>1</sup> / <sub>2</sub> | 5/16 |
| 2/0         | 1/0 |       |                                 |                                   |                                 |                                 |                                 |                                 |      |                                |                                   |                                 |                                 |                                  |                               |                               |      |
| 4/0         | 1/0 | 2JJ4U | 2 <sup>2</sup> / <sub>16</sub>  | -                                 | -                               | -                               | 2 <sup>7</sup> / <sub>16</sub>  | 1                               | 5/16 | AL2JJ5U                        | 2 <sup>7</sup> / <sub>8</sub>     | -                               | -                               | -                                | 4                             | 1 <sup>3</sup> / <sub>4</sub> | 3/8  |
| 4/0         | 2/0 |       |                                 |                                   |                                 |                                 |                                 |                                 |      |                                |                                   |                                 |                                 |                                  |                               |                               |      |
| 350         | 4/0 | 2JJ5U | 2 <sup>5</sup> / <sub>8</sub>   | -                                 | -                               | -                               | 2 <sup>3</sup> / <sub>4</sub>   | 1 <sup>1</sup> / <sub>4</sub>   | 3/8  | AL2JJ6U                        | 3 <sup>3</sup> / <sub>4</sub>     | -                               | -                               | -                                | 4 <sup>1</sup> / <sub>8</sub> | 2                             | 3/8  |
| 500         | 350 | 2JJ6U | 2 <sup>15</sup> / <sub>16</sub> | -                                 | -                               | -                               | 3 <sup>3</sup> / <sub>4</sub>   | 1 <sup>7</sup> / <sub>16</sub>  | 3/8  | AL2JJ7U                        | 3 <sup>5</sup> / <sub>8</sub>     | -                               | -                               | -                                | 4 <sup>3</sup> / <sub>4</sub> | 2 <sup>3</sup> / <sub>8</sub> | 7/16 |
| 750         | 500 | 2JJ7U | 3 <sup>7</sup> / <sub>16</sub>  | -                                 | -                               | -                               | 4 <sup>7</sup> / <sub>16</sub>  | 1 <sup>3</sup> / <sub>4</sub>   | 7/16 | AL2JJ8U                        | 4 <sup>1</sup> / <sub>4</sub>     | -                               | -                               | -                                | 5 <sup>1</sup> / <sub>4</sub> | 2 <sup>5</sup> / <sub>8</sub> | 1/2  |
| 1000        | 750 | 2JJ8U | 3 <sup>15</sup> / <sub>16</sub> | -                                 | -                               | -                               | 4 <sup>7</sup> / <sub>16</sub>  | 1 <sup>15</sup> / <sub>16</sub> | 1/2  |                                |                                   |                                 |                                 |                                  |                               |                               |      |
| #1          | #4  | 3JJ2U | -                               | 2 <sup>1</sup> / <sub>2</sub>     | -                               | -                               | 1 <sup>11</sup> / <sub>16</sub> | 3/4                             | 1/4  | AL3JJ2U                        | -                                 | 3 <sup>1</sup> / <sub>16</sub>  | -                               | -                                | 3 <sup>5</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>4</sub> | 5/16 |
| 1/0         | #4  | 3JJ3U | -                               | 2 <sup>15</sup> / <sub>16</sub>   | -                               | -                               | 2 <sup>7</sup> / <sub>8</sub>   | 1 <sup>3</sup> / <sub>16</sub>  | 5/16 | AL3JJ4U                        | -                                 | 3 <sup>13</sup> / <sub>16</sub> | -                               | -                                | 3 <sup>3</sup> / <sub>4</sub> | 1 <sup>1</sup> / <sub>2</sub> | 5/16 |
| 2/0         | 1/0 |       |                                 |                                   |                                 |                                 |                                 |                                 |      |                                |                                   |                                 |                                 |                                  |                               |                               |      |
| 4/0         | 1/0 | 3JJ4U | -                               | 3 <sup>5</sup> / <sub>16</sub>    | -                               | -                               | 2 <sup>7</sup> / <sub>16</sub>  | 1                               | 5/16 | AL3JJ5U                        | -                                 | 4 <sup>3</sup> / <sub>8</sub>   | -                               | -                                | 4                             | 1 <sup>3</sup> / <sub>4</sub> | 3/8  |
| 4/0         | 2/0 |       |                                 |                                   |                                 |                                 |                                 |                                 |      |                                |                                   |                                 |                                 |                                  |                               |                               |      |
| 350         | 4/0 | 3JJ5U | -                               | 3 <sup>7</sup> / <sub>8</sub>     | -                               | -                               | 2 <sup>3</sup> / <sub>4</sub>   | 1 <sup>1</sup> / <sub>4</sub>   | 3/8  | AL3JJ6U                        | -                                 | 4 <sup>15</sup> / <sub>16</sub> | -                               | -                                | 4 <sup>1</sup> / <sub>8</sub> | 2                             | 3/8  |
| 500         | 350 | 3JJ6U | -                               | 4 <sup>1</sup> / <sub>2</sub>     | -                               | -                               | 3 <sup>3</sup> / <sub>4</sub>   | 1 <sup>7</sup> / <sub>16</sub>  | 3/8  | AL3JJ7U                        | -                                 | 5 <sup>11</sup> / <sub>16</sub> | -                               | -                                | 4 <sup>3</sup> / <sub>4</sub> | 2 <sup>3</sup> / <sub>8</sub> | 7/16 |
| 750         | 500 | 3JJ7U | -                               | 5 <sup>3</sup> / <sub>16</sub>    | -                               | -                               | 3 <sup>3</sup> / <sub>4</sub>   | 1 <sup>3</sup> / <sub>4</sub>   | 7/16 | AL3JJ8U                        | -                                 | 6 <sup>7</sup> / <sub>16</sub>  | -                               | -                                | 5 <sup>1</sup> / <sub>4</sub> | 2 <sup>5</sup> / <sub>8</sub> | 1/2  |
| 1000        | 750 | 3JJ8U | -                               | 5 <sup>15</sup> / <sub>16</sub>   | -                               | -                               | 4 <sup>7</sup> / <sub>16</sub>  | 1 <sup>15</sup> / <sub>16</sub> | 1/2  |                                |                                   |                                 |                                 |                                  |                               |                               |      |
| #1          | #4  | 4JJ2U | -                               | -                                 | 3 <sup>3</sup> / <sub>8</sub>   | -                               | 1 <sup>11</sup> / <sub>16</sub> | 3/4                             | 1/4  | AL4JJ2U                        | -                                 | -                               | 4 <sup>1</sup> / <sub>8</sub>   | -                                | 3 <sup>5</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>4</sub> | 5/16 |
| 1/0         | #4  | 4JJ3U | -                               | -                                 | 3 <sup>15</sup> / <sub>16</sub> | -                               | 2 <sup>7</sup> / <sub>8</sub>   | 1 <sup>3</sup> / <sub>16</sub>  | 5/16 | AL4JJ4U                        | -                                 | -                               | 5 <sup>1</sup> / <sub>16</sub>  | -                                | 3 <sup>3</sup> / <sub>4</sub> | 1 <sup>1</sup> / <sub>2</sub> | 5/16 |
| 2/0         | 1/0 |       |                                 |                                   |                                 |                                 |                                 |                                 |      |                                |                                   |                                 |                                 |                                  |                               |                               |      |
| 4/0         | 1/0 | 4JJ4U | -                               | -                                 | 4 <sup>7</sup> / <sub>16</sub>  | -                               | 2 <sup>7</sup> / <sub>16</sub>  | 1                               | 5/16 | AL4JJ5U                        | -                                 | -                               | 5 <sup>13</sup> / <sub>16</sub> | -                                | 4                             | 1 <sup>3</sup> / <sub>4</sub> | 3/8  |
| 4/0         | 2/0 |       |                                 |                                   |                                 |                                 |                                 |                                 |      |                                |                                   |                                 |                                 |                                  |                               |                               |      |
| 350         | 4/0 | 4JJ5U | -                               | -                                 | 5 <sup>5</sup> / <sub>8</sub>   | -                               | 2 <sup>3</sup> / <sub>4</sub>   | 1 <sup>1</sup> / <sub>4</sub>   | 3/8  | AL4JJ6U                        | -                                 | -                               | 6 <sup>5</sup> / <sub>8</sub>   | -                                | 4 <sup>1</sup> / <sub>8</sub> | 2                             | 3/8  |
| 500         | 350 | 4JJ6U | -                               | -                                 | 6                               | -                               | 3 <sup>3</sup> / <sub>4</sub>   | 1 <sup>7</sup> / <sub>16</sub>  | 3/8  | AL4JJ7U                        | -                                 | -                               | 7 <sup>5</sup> / <sub>8</sub>   | -                                | 4 <sup>3</sup> / <sub>4</sub> | 2 <sup>3</sup> / <sub>8</sub> | 7/16 |
| 750         | 500 | 4JJ7U | -                               | -                                 | 6 <sup>15</sup> / <sub>16</sub> | -                               | 3 <sup>3</sup> / <sub>4</sub>   | 1 <sup>3</sup> / <sub>4</sub>   | 7/16 | AL4JJ8U                        | -                                 | -                               | 8 <sup>5</sup> / <sub>8</sub>   | -                                | 5 <sup>1</sup> / <sub>4</sub> | 2 <sup>5</sup> / <sub>8</sub> | 1/2  |
| 1000        | 750 | 4JJ8U | -                               | -                                 | 7 <sup>15</sup> / <sub>16</sub> | -                               | 4 <sup>7</sup> / <sub>16</sub>  | 1 <sup>15</sup> / <sub>16</sub> | 1/2  |                                |                                   |                                 |                                 |                                  |                               |                               |      |
| #1          | #4  | 5JJ2U | -                               | -                                 | -                               | 4 <sup>1</sup> / <sub>4</sub>   | 1 <sup>11</sup> / <sub>16</sub> | 3/4                             | 1/4  | AL5JJ2U                        | -                                 | -                               | -                               | 6 <sup>3</sup> / <sub>16</sub>   | 3 <sup>5</sup> / <sub>8</sub> | 1 <sup>1</sup> / <sub>4</sub> | 5/16 |
| 1/0         | #4  | 5JJ3U | -                               | -                                 | -                               | 4 <sup>15</sup> / <sub>16</sub> | 2 <sup>7</sup> / <sub>8</sub>   | 1 <sup>3</sup> / <sub>16</sub>  | 5/16 | AL5JJ4U                        | -                                 | -                               | -                               | 6 <sup>7</sup> / <sub>16</sub>   | 3 <sup>3</sup> / <sub>4</sub> | 1 <sup>1</sup> / <sub>2</sub> | 5/16 |
| 2/0         | 1/0 |       |                                 |                                   |                                 |                                 |                                 |                                 |      |                                |                                   |                                 |                                 |                                  |                               |                               |      |
| 4/0         | 1/0 | 5JJ4U | -                               | -                                 | -                               | 5 <sup>9</sup> / <sub>16</sub>  | 2 <sup>7</sup> / <sub>16</sub>  | 1                               | 5/16 | AL5JJ5U                        | -                                 | -                               | -                               | 7 <sup>3</sup> / <sub>8</sub>    | 4                             | 1 <sup>3</sup> / <sub>4</sub> | 3/8  |
| 4/0         | 2/0 |       |                                 |                                   |                                 |                                 |                                 |                                 |      |                                |                                   |                                 |                                 |                                  |                               |                               |      |
| 350         | 4/0 | 5JJ5U | -                               | -                                 | -                               | 6 <sup>3</sup> / <sub>8</sub>   | 2 <sup>3</sup> / <sub>4</sub>   | 1 <sup>1</sup> / <sub>4</sub>   | 3/8  | AL5JJ6U                        | -                                 | -                               | -                               | 8 <sup>5</sup> / <sub>16</sub>   | 4 <sup>1</sup> / <sub>8</sub> | 2                             | 3/8  |
| 500         | 350 | 5JJ6U | -                               | -                                 | -                               | 7 <sup>1</sup> / <sub>2</sub>   | 3 <sup>3</sup> / <sub>4</sub>   | 1 <sup>7</sup> / <sub>16</sub>  | 3/8  | AL5JJ7U                        | -                                 | -                               | -                               | 9 <sup>1</sup> / <sub>16</sub>   | 4 <sup>3</sup> / <sub>4</sub> | 2 <sup>3</sup> / <sub>8</sub> | 7/16 |
| 750         | 500 | 5JJ7U | -                               | -                                 | -                               | 8 <sup>11</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>4</sub>   | 1 <sup>3</sup> / <sub>4</sub>   | 7/16 | AL5JJ8U                        | -                                 | -                               | -                               | 10 <sup>13</sup> / <sub>16</sub> | 5 <sup>1</sup> / <sub>4</sub> | 2 <sup>5</sup> / <sub>8</sub> | 1/2  |
| 1000        | 750 | 5JJ8U | -                               | -                                 | -                               | 9 <sup>15</sup> / <sub>16</sub> | 4 <sup>7</sup> / <sub>16</sub>  | 1 <sup>15</sup> / <sub>16</sub> | 1/2  |                                |                                   |                                 |                                 |                                  |                               |                               |      |



| Run         |      |                               |             |             |                               | BRONZE CONNECTORS |                                   |                                 | DUAL-RATED ALUMINUM CONNECTORS |                |                                   |                                 |                                |
|-------------|------|-------------------------------|-------------|-------------|-------------------------------|-------------------|-----------------------------------|---------------------------------|--------------------------------|----------------|-----------------------------------|---------------------------------|--------------------------------|
| Cable Range |      | Cable Range                   | Cable Range | Cable Range | Cable Range                   | Catalog Number    | Dimension in Inches (Approximate) |                                 |                                | Catalog Number | Dimension in Inches (Approximate) |                                 |                                |
| Max.        | Min. |                               |             |             |                               |                   | IPS                               | Max.                            | Min.                           |                | IPS                               | A                               | B                              |
| 2/0         | #4   | 3/8                           | 2/0         | #4          | 1/8                           | P22K              | 5 <sup>1</sup> / <sub>4</sub>     | 2 <sup>3</sup> / <sub>8</sub>   | 1 <sup>1</sup> / <sub>4</sub>  | ALP22K         | 5 <sup>1</sup> / <sub>4</sub>     | 2 <sup>3</sup> / <sub>8</sub>   | 1 <sup>1</sup> / <sub>4</sub>  |
| 350         | 2/0  | 3/8                           | 2/0         | #4          | 1/8                           | P42K              | 5 <sup>7</sup> / <sub>8</sub>     | 2 <sup>3</sup> / <sub>8</sub>   | 1 <sup>5</sup> / <sub>8</sub>  | ALP42K         | 5 <sup>7</sup> / <sub>8</sub>     | 2 <sup>3</sup> / <sub>8</sub>   | 1 <sup>5</sup> / <sub>8</sub>  |
| 350         | 2/0  | 3/8                           | 350         | 2/0         | 3/8                           | P44K              | 6                                 | 2 <sup>3</sup> / <sub>8</sub>   | 1 <sup>5</sup> / <sub>8</sub>  | ALP44K         | 6                                 | 2 <sup>3</sup> / <sub>8</sub>   | 1 <sup>5</sup> / <sub>8</sub>  |
| 600         | 350  | 1/2                           | 2/0         | #4          | 1/8                           | P52K              | 5 <sup>7</sup> / <sub>8</sub>     | 2 <sup>7</sup> / <sub>16</sub>  | 2                              | ALP52K         | 5 <sup>7</sup> / <sub>8</sub>     | 2 <sup>7</sup> / <sub>16</sub>  | 2                              |
| 600         | 350  | 1/2                           | 350         | 2/0         | 3/8                           | P54K              | 6                                 | 2 <sup>7</sup> / <sub>16</sub>  | 2                              | ALP54K         | 6                                 | 2 <sup>7</sup> / <sub>16</sub>  | 2                              |
| 600         | 350  | 1/2                           | 600         | 350         | 1/2                           | P55K              | 6                                 | 2 <sup>7</sup> / <sub>16</sub>  | 2                              | ALP55K         | 6                                 | 2 <sup>7</sup> / <sub>16</sub>  | 2                              |
| 1000        | 600  | 3/4                           | 2/0         | #4          | 1/8                           | P62K              | 5 <sup>7</sup> / <sub>8</sub>     | 2 <sup>9</sup> / <sub>16</sub>  | 2 <sup>5</sup> / <sub>16</sub> | ALP62K         | 5 <sup>7</sup> / <sub>8</sub>     | 2 <sup>9</sup> / <sub>16</sub>  | 2 <sup>5</sup> / <sub>16</sub> |
| 1000        | 600  | 3/4                           | 350         | 2/0         | 3/8                           | P64K              | 6 <sup>3</sup> / <sub>8</sub>     | 2 <sup>9</sup> / <sub>16</sub>  | 2 <sup>5</sup> / <sub>16</sub> | ALP64K         | 6 <sup>3</sup> / <sub>8</sub>     | 2 <sup>9</sup> / <sub>16</sub>  | 2 <sup>5</sup> / <sub>16</sub> |
| 1000        | 600  | 3/4                           | 600         | 350         | 1/2                           | P65K              | 6 <sup>3</sup> / <sub>8</sub>     | 2 <sup>9</sup> / <sub>16</sub>  | 2 <sup>5</sup> / <sub>16</sub> | ALP65K         | 6 <sup>3</sup> / <sub>8</sub>     | 2 <sup>9</sup> / <sub>16</sub>  | 2 <sup>5</sup> / <sub>16</sub> |
| 1000        | 600  | 3/4                           | 1000        | 600         | 3/4                           | P66K              | 6 <sup>1</sup> / <sub>2</sub>     | 2 <sup>9</sup> / <sub>16</sub>  | 2 <sup>5</sup> / <sub>16</sub> | ALP66K         | 6 <sup>1</sup> / <sub>2</sub>     | 2 <sup>9</sup> / <sub>16</sub>  | 2 <sup>5</sup> / <sub>16</sub> |
| 1500        | 1000 | 1                             | 2/0         | #4          | 1/8                           | P72K              | 6 <sup>1</sup> / <sub>8</sub>     | 2 <sup>13</sup> / <sub>16</sub> | 2 <sup>5</sup> / <sub>8</sub>  | ALP72K         | 6 <sup>1</sup> / <sub>8</sub>     | 2 <sup>13</sup> / <sub>16</sub> | 2 <sup>5</sup> / <sub>8</sub>  |
| 1500        | 1000 | 1                             | 350         | 2/0         | 3/8                           | P74K              | 6 <sup>5</sup> / <sub>8</sub>     | 2 <sup>13</sup> / <sub>16</sub> | 2 <sup>5</sup> / <sub>8</sub>  | ALP74K         | 6 <sup>5</sup> / <sub>8</sub>     | 2 <sup>13</sup> / <sub>16</sub> | 2 <sup>5</sup> / <sub>8</sub>  |
| 1500        | 1000 | 1                             | 600         | 350         | 1/2                           | P75K              | 6 <sup>5</sup> / <sub>8</sub>     | 2 <sup>13</sup> / <sub>16</sub> | 2 <sup>5</sup> / <sub>8</sub>  | ALP75K         | 6 <sup>5</sup> / <sub>8</sub>     | 2 <sup>13</sup> / <sub>16</sub> | 2 <sup>5</sup> / <sub>8</sub>  |
| 1500        | 1000 | 1                             | 1000        | 600         | 3/4                           | P76K              | 6 <sup>7</sup> / <sub>8</sub>     | 2 <sup>13</sup> / <sub>16</sub> | 2 <sup>5</sup> / <sub>8</sub>  | ALP76K         | 6 <sup>7</sup> / <sub>8</sub>     | 2 <sup>13</sup> / <sub>16</sub> | 2 <sup>5</sup> / <sub>8</sub>  |
| 1500        | 1000 | 1                             | 1500        | 1000        | 1                             | P77K              | 7                                 | 2 <sup>13</sup> / <sub>16</sub> | 2 <sup>5</sup> / <sub>8</sub>  | ALP77K         | 7                                 | 2 <sup>13</sup> / <sub>16</sub> | 2 <sup>5</sup> / <sub>8</sub>  |
| 2000        | 1500 | 1 <sup>1</sup> / <sub>4</sub> | 2/0         | #4          | 1/8                           | P82K              | 6 <sup>5</sup> / <sub>16</sub>    | 3 <sup>1</sup> / <sub>16</sub>  | 3                              | ALP82K         | 6 <sup>5</sup> / <sub>16</sub>    | 3 <sup>1</sup> / <sub>16</sub>  | 3                              |
| 2000        | 1500 | 1 <sup>1</sup> / <sub>4</sub> | 350         | 2/0         | 3/8                           | P84K              | 7                                 | 3 <sup>1</sup> / <sub>16</sub>  | 3                              | ALP84K         | 7                                 | 3 <sup>1</sup> / <sub>16</sub>  | 3                              |
| 2000        | 1500 | 1 <sup>1</sup> / <sub>4</sub> | 600         | 350         | 1/2                           | P85K              | 7                                 | 3 <sup>1</sup> / <sub>16</sub>  | 3                              | ALP85K         | 7                                 | 3 <sup>1</sup> / <sub>16</sub>  | 3                              |
| 2000        | 1500 | 1 <sup>1</sup> / <sub>4</sub> | 1000        | 600         | 3/4                           | P86K              | 7 <sup>1</sup> / <sub>8</sub>     | 3 <sup>1</sup> / <sub>16</sub>  | 3                              | ALP86K         | 7 <sup>1</sup> / <sub>8</sub>     | 3 <sup>1</sup> / <sub>16</sub>  | 3                              |
| 2000        | 1500 | 1 <sup>1</sup> / <sub>4</sub> | 1500        | 1000        | 1                             | P87K              | 7 <sup>1</sup> / <sub>4</sub>     | 3 <sup>1</sup> / <sub>16</sub>  | 3                              | ALP87K         | 7 <sup>1</sup> / <sub>4</sub>     | 3 <sup>1</sup> / <sub>16</sub>  | 3                              |
| 2000        | 1500 | 1 <sup>1</sup> / <sub>4</sub> | 2000        | 1500        | 1 <sup>1</sup> / <sub>4</sub> | P88K              | 7 <sup>3</sup> / <sub>8</sub>     | 3 <sup>1</sup> / <sub>16</sub>  | 3                              | ALP88K         | 7 <sup>3</sup> / <sub>8</sub>     | 3 <sup>1</sup> / <sub>16</sub>  | 3                              |

## PK SERIES Coupler, cable/tube





J = 1/2"

## TPK SERIES

### Coupler, tube to cable

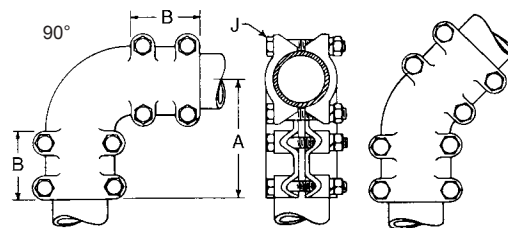
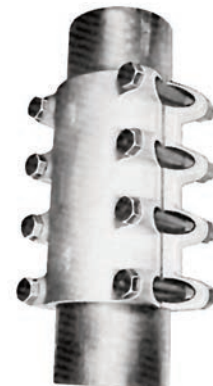
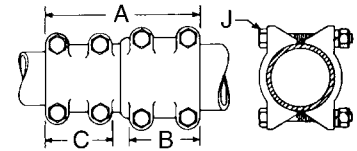
| Tap         |      | Run   | BRONZE CONNECTORS |       |                                 |                                   | DUAL-RATED ALUMINUM CONNECTORS  |         |                                 |                                   |                                 |
|-------------|------|-------|-------------------|-------|---------------------------------|-----------------------------------|---------------------------------|---------|---------------------------------|-----------------------------------|---------------------------------|
| Cable Range | Max. |       | Min.              | IPS   | Catalog Number                  | Dimension in Inches (Approximate) |                                 |         | Catalog Number                  | Dimension in Inches (Approximate) |                                 |
|             |      |       |                   | A     |                                 | B                                 | C                               | A       |                                 | B                                 | C                               |
| 2/0         | #4   | 1/2   |                   | T0P2K | 4 <sup>15</sup> / <sub>16</sub> | 2 <sup>1</sup> / <sub>4</sub>     | 2 <sup>7</sup> / <sub>16</sub>  | ALT0P2K | 4 <sup>15</sup> / <sub>16</sub> | 2 <sup>1</sup> / <sub>4</sub>     | 2 <sup>7</sup> / <sub>16</sub>  |
| 350         | 2/0  | 1/2   |                   | T0P4K | 5 <sup>7</sup> / <sub>16</sub>  | 2 <sup>1</sup> / <sub>4</sub>     | 2 <sup>13</sup> / <sub>16</sub> | ALT0P4K | 5 <sup>7</sup> / <sub>16</sub>  | 2 <sup>1</sup> / <sub>4</sub>     | 2 <sup>13</sup> / <sub>16</sub> |
| 2/0         | #4   | 3/4   |                   | T1P2K | 5 <sup>3</sup> / <sub>16</sub>  | 2 <sup>3</sup> / <sub>8</sub>     | 2 <sup>7</sup> / <sub>16</sub>  | ALT1P2K | 5 <sup>3</sup> / <sub>16</sub>  | 2 <sup>3</sup> / <sub>8</sub>     | 2 <sup>7</sup> / <sub>16</sub>  |
| 350         | 2/0  | 3/4   |                   | T1P4K | 5 <sup>9</sup> / <sub>16</sub>  | 2 <sup>3</sup> / <sub>8</sub>     | 2 <sup>13</sup> / <sub>16</sub> | ALT1P4K | 5 <sup>9</sup> / <sub>16</sub>  | 2 <sup>3</sup> / <sub>8</sub>     | 2 <sup>13</sup> / <sub>16</sub> |
| 600         | 350  | 3/4   |                   | T1P5K | 5 <sup>9</sup> / <sub>16</sub>  | 2 <sup>3</sup> / <sub>8</sub>     | 2 <sup>13</sup> / <sub>16</sub> | ALT1P5K | 5 <sup>9</sup> / <sub>16</sub>  | 2 <sup>3</sup> / <sub>8</sub>     | 2 <sup>13</sup> / <sub>16</sub> |
| 2/0         | #4   | 1     |                   | T2P2K | 5 <sup>7</sup> / <sub>16</sub>  | 2 <sup>1</sup> / <sub>2</sub>     | 2 <sup>7</sup> / <sub>16</sub>  | ALT2P2K | 5 <sup>7</sup> / <sub>16</sub>  | 2 <sup>1</sup> / <sub>2</sub>     | 2 <sup>7</sup> / <sub>16</sub>  |
| 350         | 2/0  | 1     |                   | T2P4K | 5 <sup>13</sup> / <sub>16</sub> | 2 <sup>1</sup> / <sub>2</sub>     | 2 <sup>13</sup> / <sub>16</sub> | ALT2P4K | 5 <sup>13</sup> / <sub>16</sub> | 2 <sup>1</sup> / <sub>2</sub>     | 2 <sup>13</sup> / <sub>16</sub> |
| 600         | 350  | 1     |                   | T2P5K | 5 <sup>13</sup> / <sub>16</sub> | 2 <sup>1</sup> / <sub>2</sub>     | 2 <sup>13</sup> / <sub>16</sub> | ALT2P5K | 5 <sup>13</sup> / <sub>16</sub> | 2 <sup>1</sup> / <sub>2</sub>     | 2 <sup>13</sup> / <sub>16</sub> |
| 1000        | 600  | 1     |                   | T2P6K | 6                               | 2 <sup>1</sup> / <sub>2</sub>     | 3                               | ALT2P6K | 6                               | 2 <sup>1</sup> / <sub>2</sub>     | 3                               |
| 2/0         | #4   | 1 1/4 |                   | T3P2K | 5 <sup>11</sup> / <sub>16</sub> | 2 <sup>5</sup> / <sub>8</sub>     | 2 <sup>7</sup> / <sub>16</sub>  | ALT3P2K | 5 <sup>11</sup> / <sub>16</sub> | 2 <sup>5</sup> / <sub>8</sub>     | 2 <sup>7</sup> / <sub>16</sub>  |
| 350         | 2/0  | 1 1/4 |                   | T3P4K | 6 <sup>1</sup> / <sub>16</sub>  | 2 <sup>5</sup> / <sub>8</sub>     | 2 <sup>13</sup> / <sub>16</sub> | ALT3P4K | 6 <sup>1</sup> / <sub>16</sub>  | 2 <sup>5</sup> / <sub>8</sub>     | 2 <sup>13</sup> / <sub>16</sub> |
| 600         | 350  | 1 1/4 |                   | T3P5K | 6 <sup>1</sup> / <sub>16</sub>  | 2 <sup>5</sup> / <sub>8</sub>     | 2 <sup>13</sup> / <sub>16</sub> | ALT3P5K | 6 <sup>1</sup> / <sub>16</sub>  | 2 <sup>5</sup> / <sub>8</sub>     | 2 <sup>13</sup> / <sub>16</sub> |
| 1000        | 600  | 1 1/4 |                   | T3P6K | 6 <sup>1</sup> / <sub>4</sub>   | 2 <sup>5</sup> / <sub>8</sub>     | 3                               | ALT3P6K | 6 <sup>1</sup> / <sub>4</sub>   | 2 <sup>5</sup> / <sub>8</sub>     | 3                               |
| 1500        | 1000 | 1 1/4 |                   | T3P7K | 6 <sup>7</sup> / <sub>16</sub>  | 2 <sup>5</sup> / <sub>8</sub>     | 3 <sup>3</sup> / <sub>16</sub>  | ALT3P7K | 6 <sup>7</sup> / <sub>16</sub>  | 2 <sup>5</sup> / <sub>8</sub>     | 3 <sup>3</sup> / <sub>16</sub>  |
| 2/0         | #4   | 1 1/2 |                   | T4P2K | 5 <sup>15</sup> / <sub>16</sub> | 2 <sup>3</sup> / <sub>4</sub>     | 2 <sup>7</sup> / <sub>16</sub>  | ALT4P2K | 5 <sup>15</sup> / <sub>16</sub> | 2 <sup>3</sup> / <sub>4</sub>     | 2 <sup>7</sup> / <sub>16</sub>  |
| 350         | 2/0  | 1 1/2 |                   | T4P4K | 6 <sup>5</sup> / <sub>16</sub>  | 2 <sup>3</sup> / <sub>4</sub>     | 2 <sup>13</sup> / <sub>16</sub> | ALT4P4K | 6 <sup>5</sup> / <sub>16</sub>  | 2 <sup>3</sup> / <sub>4</sub>     | 2 <sup>13</sup> / <sub>16</sub> |
| 600         | 350  | 1 1/2 |                   | T4P5K | 6 <sup>5</sup> / <sub>16</sub>  | 2 <sup>3</sup> / <sub>4</sub>     | 2 <sup>13</sup> / <sub>16</sub> | ALT4P5K | 6 <sup>5</sup> / <sub>16</sub>  | 2 <sup>3</sup> / <sub>4</sub>     | 2 <sup>13</sup> / <sub>16</sub> |
| 1000        | 600  | 1 1/2 |                   | T4P6K | 6 <sup>1</sup> / <sub>2</sub>   | 2 <sup>3</sup> / <sub>4</sub>     | 3                               | ALT4P6K | 6 <sup>1</sup> / <sub>2</sub>   | 2 <sup>3</sup> / <sub>4</sub>     | 3                               |
| 1500        | 1000 | 1 1/2 |                   | T4P7K | 6 <sup>11</sup> / <sub>16</sub> | 2 <sup>3</sup> / <sub>4</sub>     | 3 <sup>3</sup> / <sub>16</sub>  | ALT4P7K | 6 <sup>11</sup> / <sub>16</sub> | 2 <sup>3</sup> / <sub>4</sub>     | 3 <sup>3</sup> / <sub>16</sub>  |
| 2000        | 1500 | 1 1/2 |                   | T4P8K | 6 <sup>7</sup> / <sub>8</sub>   | 2 <sup>3</sup> / <sub>4</sub>     | 3 <sup>3</sup> / <sub>8</sub>   | ALT4P8K | 6 <sup>7</sup> / <sub>8</sub>   | 2 <sup>3</sup> / <sub>4</sub>     | 3 <sup>3</sup> / <sub>8</sub>   |
| 350         | 2/0  | 2     |                   | T5P4K | 6 <sup>9</sup> / <sub>16</sub>  | 2 <sup>7</sup> / <sub>8</sub>     | 2 <sup>13</sup> / <sub>16</sub> | ALT5P4K | 6 <sup>9</sup> / <sub>16</sub>  | 2 <sup>7</sup> / <sub>8</sub>     | 2 <sup>13</sup> / <sub>16</sub> |
| 600         | 350  | 2     |                   | T5P5K | 6 <sup>9</sup> / <sub>16</sub>  | 2 <sup>7</sup> / <sub>8</sub>     | 2 <sup>13</sup> / <sub>16</sub> | ALT5P5K | 6 <sup>9</sup> / <sub>16</sub>  | 2 <sup>7</sup> / <sub>8</sub>     | 2 <sup>13</sup> / <sub>16</sub> |
| 1000        | 600  | 2     |                   | T5P6K | 6 <sup>3</sup> / <sub>4</sub>   | 2 <sup>7</sup> / <sub>8</sub>     | 3                               | ALT5P6K | 6 <sup>3</sup> / <sub>4</sub>   | 2 <sup>7</sup> / <sub>8</sub>     | 3                               |
| 1500        | 1000 | 2     |                   | T5P7K | 6 <sup>15</sup> / <sub>16</sub> | 2 <sup>7</sup> / <sub>8</sub>     | 3 <sup>3</sup> / <sub>16</sub>  | ALT5P7K | 6 <sup>15</sup> / <sub>16</sub> | 2 <sup>7</sup> / <sub>8</sub>     | 3 <sup>3</sup> / <sub>16</sub>  |
| 2000        | 1500 | 2     |                   | T5P8K | 7 <sup>1</sup> / <sub>8</sub>   | 2 <sup>7</sup> / <sub>8</sub>     | 3 <sup>3</sup> / <sub>8</sub>   | ALT5P8K | 7 <sup>1</sup> / <sub>8</sub>   | 2 <sup>7</sup> / <sub>8</sub>     | 3 <sup>3</sup> / <sub>8</sub>   |
| 350         | 2/0  | 2 1/2 |                   | T6P4K | 6 <sup>13</sup> / <sub>16</sub> | 3                                 | 2 <sup>13</sup> / <sub>16</sub> | ALT6P4K | 6 <sup>13</sup> / <sub>16</sub> | 3                                 | 2 <sup>13</sup> / <sub>16</sub> |
| 600         | 350  | 2 1/2 |                   | T6P5K | 6 <sup>13</sup> / <sub>16</sub> | 3                                 | 2 <sup>13</sup> / <sub>16</sub> | ALT6P5K | 6 <sup>13</sup> / <sub>16</sub> | 3                                 | 2 <sup>13</sup> / <sub>16</sub> |
| 1000        | 600  | 2 1/2 |                   | T6P6K | 7                               | 3                                 | 3                               | ALT6P6K | 7                               | 3                                 | 3                               |
| 1500        | 1000 | 2 1/2 |                   | T6P7K | 7 <sup>3</sup> / <sub>16</sub>  | 3                                 | 3 <sup>3</sup> / <sub>16</sub>  | ALT6P7K | 7 <sup>3</sup> / <sub>16</sub>  | 3                                 | 3 <sup>3</sup> / <sub>16</sub>  |
| 2000        | 1500 | 2 1/2 |                   | T6P8K | 7 <sup>3</sup> / <sub>8</sub>   | 3                                 | 3 <sup>3</sup> / <sub>8</sub>   | ALT6P8K | 7 <sup>3</sup> / <sub>8</sub>   | 3                                 | 3 <sup>3</sup> / <sub>8</sub>   |
| 350         | 2/0  | 3     |                   | T7P4K | 6 <sup>13</sup> / <sub>16</sub> | 3                                 | 2 <sup>13</sup> / <sub>16</sub> | ALT7P4K | 6 <sup>13</sup> / <sub>16</sub> | 3                                 | 2 <sup>13</sup> / <sub>16</sub> |
| 600         | 350  | 3     |                   | T7P5K | 6 <sup>13</sup> / <sub>16</sub> | 3                                 | 2 <sup>13</sup> / <sub>16</sub> | ALT7P5K | 6 <sup>13</sup> / <sub>16</sub> | 3                                 | 2 <sup>13</sup> / <sub>16</sub> |
| 1000        | 600  | 3     |                   | T7P6K | 7                               | 3                                 | 3                               | ALT7P6K | 7                               | 3                                 | 3                               |
| 1500        | 1000 | 3     |                   | T7P7K | 7 <sup>3</sup> / <sub>16</sub>  | 3                                 | 3 <sup>3</sup> / <sub>16</sub>  | ALT7P7K | 7 <sup>3</sup> / <sub>16</sub>  | 3                                 | 3 <sup>3</sup> / <sub>16</sub>  |
| 2000        | 1500 | 3     |                   | T7P8K | 7 <sup>3</sup> / <sub>8</sub>   | 3                                 | 3 <sup>3</sup> / <sub>8</sub>   | ALT7P8K | 7 <sup>3</sup> / <sub>8</sub>   | 3                                 | 3 <sup>3</sup> / <sub>8</sub>   |
| 600         | 350  | 3 1/2 |                   | T8P5K | 7 <sup>1</sup> / <sub>16</sub>  | 3 <sup>1</sup> / <sub>4</sub>     | 2 <sup>13</sup> / <sub>16</sub> | ALT8P5K | 7 <sup>1</sup> / <sub>16</sub>  | 3 <sup>1</sup> / <sub>4</sub>     | 2 <sup>13</sup> / <sub>16</sub> |
| 1000        | 600  | 3 1/2 |                   | T8P6K | 7 <sup>1</sup> / <sub>4</sub>   | 3 <sup>1</sup> / <sub>4</sub>     | 3                               | ALT8P6K | 7 <sup>1</sup> / <sub>4</sub>   | 3 <sup>1</sup> / <sub>4</sub>     | 3                               |
| 1500        | 1000 | 3 1/2 |                   | T8P7K | 7 <sup>11</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>4</sub>     | 3 <sup>3</sup> / <sub>16</sub>  | ALT8P7K | 7 <sup>11</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>4</sub>     | 3 <sup>3</sup> / <sub>16</sub>  |
| 2000        | 1500 | 3 1/2 |                   | T8P8K | 7 <sup>7</sup> / <sub>8</sub>   | 3 <sup>1</sup> / <sub>4</sub>     | 3 <sup>3</sup> / <sub>8</sub>   | ALT8P8K | 7 <sup>7</sup> / <sub>8</sub>   | 3 <sup>1</sup> / <sub>4</sub>     | 3 <sup>3</sup> / <sub>8</sub>   |
| 600         | 350  | 4     |                   | T9P5K | 7 <sup>5</sup> / <sub>16</sub>  | 3 <sup>1</sup> / <sub>2</sub>     | 2 <sup>13</sup> / <sub>16</sub> | ALT9P5K | 7 <sup>5</sup> / <sub>16</sub>  | 3 <sup>1</sup> / <sub>2</sub>     | 2 <sup>13</sup> / <sub>16</sub> |
| 1000        | 600  | 4     |                   | T9P6K | 7 <sup>1</sup> / <sub>2</sub>   | 3 <sup>1</sup> / <sub>2</sub>     | 3                               | ALT9P6K | 7 <sup>1</sup> / <sub>2</sub>   | 3 <sup>1</sup> / <sub>2</sub>     | 3                               |
| 1500        | 1000 | 4     |                   | T9P7K | 7 <sup>15</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>2</sub>     | 3 <sup>3</sup> / <sub>16</sub>  | ALT9P7K | 7 <sup>15</sup> / <sub>16</sub> | 3 <sup>1</sup> / <sub>2</sub>     | 3 <sup>3</sup> / <sub>16</sub>  |
| 2000        | 1500 | 4     |                   | T9P8K | 8 <sup>1</sup> / <sub>8</sub>   | 3 <sup>1</sup> / <sub>2</sub>     | 3 <sup>3</sup> / <sub>8</sub>   | ALT9P8K | 8 <sup>1</sup> / <sub>8</sub>   | 3 <sup>1</sup> / <sub>2</sub>     | 3 <sup>3</sup> / <sub>8</sub>   |



# TK SERIES

## Coupler, tube to tube

| IPS   |       | BRONZE CONNECTORS |                                   |       |       |     | DUAL-RATED ALUMINUM CONNECTORS |                                   |       |       |     |  |  |
|-------|-------|-------------------|-----------------------------------|-------|-------|-----|--------------------------------|-----------------------------------|-------|-------|-----|--|--|
|       |       | Catalog Number    | Dimension in Inches (Approximate) |       |       |     | Catalog Number                 | Dimension in Inches (Approximate) |       |       |     |  |  |
|       |       |                   | A                                 | B     | C     | J   |                                | A                                 | B     | C     | J   |  |  |
| Run   | Tap   |                   |                                   |       |       |     |                                |                                   |       |       |     |  |  |
| 1/2   | 1/2   | T00K              | 4 3/4                             | 2 1/4 | 2 1/4 | 1/2 | ALT00K                         | 4 3/4                             | 2 1/4 | 2 1/4 | 1/2 |  |  |
| 3/4   | 1/2   | T10K              | 5                                 | 2 5/8 | 2 1/4 | 1/2 | ALT10K                         | 5                                 | 2 5/8 | 2 1/4 | 1/2 |  |  |
| 3/4   | 3/4   | T11K              | 5 1/8                             | 2 3/8 | 2 3/8 | 1/2 | ALT11K                         | 5 1/8                             | 2 3/8 | 2 3/8 | 1/2 |  |  |
| 1     | 1/2   | T20K              | 5 1/4                             | 2 1/2 | 2 1/4 | 1/2 | ALT20K                         | 5 1/4                             | 2 1/2 | 2 1/4 | 1/2 |  |  |
| 1     | 3/4   | T21K              | 5 3/8                             | 2 1/2 | 2 3/8 | 1/2 | ALT21K                         | 5 3/8                             | 2 1/2 | 2 3/8 | 1/2 |  |  |
| 1     | 1     | T22K              | 5 1/2                             | 2 1/2 | 2 1/2 | 1/2 | ALT22K                         | 5 1/2                             | 2 1/2 | 2 1/2 | 1/2 |  |  |
| 1 1/4 | 3/4   | T31K              | 5 5/8                             | 2 5/8 | 2 3/8 | 1/2 | ALT31K                         | 5 5/8                             | 2 5/8 | 2 3/8 | 1/2 |  |  |
| 1 1/4 | 1     | T32K              | 5 3/4                             | 2 5/8 | 2 1/2 | 1/2 | ALT32K                         | 5 3/4                             | 2 5/8 | 2 1/2 | 1/2 |  |  |
| 1 1/4 | 1 1/4 | T33K              | 5 7/8                             | 2 5/8 | 2 5/8 | 1/2 | ALT33K                         | 5 7/8                             | 2 5/8 | 2 5/8 | 1/2 |  |  |
| 1 1/2 | 3/4   | T41K              | 5 7/8                             | 2 3/4 | 2 3/8 | 1/2 | ALT41K                         | 5 7/8                             | 2 3/4 | 2 3/8 | 1/2 |  |  |
| 1 1/2 | 1     | T42K              | 6                                 | 2 3/4 | 2 1/2 | 1/2 | ALT42K                         | 6                                 | 2 3/4 | 2 1/2 | 1/2 |  |  |
| 1 1/2 | 1 1/4 | T43K              | 6 1/8                             | 2 3/4 | 2 3/8 | 1/2 | ALT43K                         | 6 1/8                             | 2 3/4 | 2 3/8 | 1/2 |  |  |
| 1 1/2 | 1 1/2 | T44K              | 6 1/4                             | 2 3/4 | 2 3/4 | 1/2 | ALT44K                         | 6 1/4                             | 2 3/4 | 2 3/4 | 1/2 |  |  |
| 2     | 1     | T52K              | 6 1/4                             | 2 7/8 | 2 1/2 | 1/2 | ALT52K                         | 6 1/4                             | 2 7/8 | 2 1/2 | 1/2 |  |  |
| 2     | 1 1/4 | T53K              | 6 3/8                             | 2 7/8 | 2 5/8 | 1/2 | ALT53K                         | 6 3/8                             | 2 7/8 | 2 5/8 | 1/2 |  |  |
| 2     | 1 1/2 | T54K              | 6 1/2                             | 2 7/8 | 2 3/4 | 1/2 | ALT54K                         | 6 1/2                             | 2 7/8 | 2 3/4 | 1/2 |  |  |
| 2     | 2     | T55K              | 6 5/8                             | 2 7/8 | 2 7/8 | 1/2 | ALT55K                         | 6 5/8                             | 2 7/8 | 2 7/8 | 1/2 |  |  |
| 2 1/2 | 1 1/4 | T63K              | 6 5/8                             | 3     | 2 5/8 | 1/2 | ALT63K                         | 6 5/8                             | 3     | 2 5/8 | 1/2 |  |  |
| 2 1/2 | 1 1/2 | T64K              | 6 3/4                             | 3     | 2 3/4 | 1/2 | ALT64K                         | 6 3/4                             | 3     | 2 3/4 | 1/2 |  |  |
| 2 1/2 | 2     | T65K              | 6 7/8                             | 3     | 2 7/8 | 1/2 | ALT65K                         | 6 7/8                             | 3     | 2 7/8 | 1/2 |  |  |
| 2 1/2 | 2 1/2 | T66K              | 7                                 | 3     | 3     | 1/2 | ALT66K                         | 7                                 | 3     | 3     | 1/2 |  |  |
| 3     | 1 1/2 | T74K              | 6 3/4                             | 3     | 2 3/4 | 1/2 | ALT74K                         | 6 3/4                             | 3     | 2 3/4 | 1/2 |  |  |
| 3     | 2     | T75K              | 6 7/8                             | 3     | 2 7/8 | 1/2 | ALT75K                         | 6 7/8                             | 3     | 2 7/8 | 1/2 |  |  |
| 3     | 2 1/2 | T76K              | 7                                 | 3     | 3     | 1/2 | ALT76K                         | 7                                 | 3     | 3     | 1/2 |  |  |
| 3     | 3     | T77K              | 7 3/4                             | 3 1/4 | 3 1/4 | 5/8 | ALT77K                         | 7 3/4                             | 3 1/4 | 3 1/4 | 5/8 |  |  |
| 3 1/2 | 1 1/2 | T84K              | 7 1/4                             | 3 1/4 | 2 3/4 | 1/2 | ALT84K                         | 7 1/4                             | 3 1/4 | 2 3/4 | 1/2 |  |  |
| 3 1/2 | 2     | T85K              | 7 3/8                             | 3 1/4 | 2 7/8 | 1/2 | ALT85K                         | 7 3/8                             | 3 1/4 | 2 7/8 | 1/2 |  |  |
| 3 1/2 | 2 1/2 | T86K              | 7 1/2                             | 3 1/4 | 3     | 1/2 | ALT86K                         | 7 1/2                             | 3 1/4 | 3     | 1/2 |  |  |
| 3 1/2 | 3     | T87K              | 8 1/4                             | 3 1/2 | 3 1/4 | 5/8 | ALT87K                         | 8 1/4                             | 3 1/2 | 3 1/4 | 5/8 |  |  |
| 3 1/2 | 3 1/2 | T88K              | 8 1/2                             | 3 1/2 | 3 1/2 | 5/8 | ALT88K                         | 8 1/2                             | 3 1/2 | 3 1/2 | 5/8 |  |  |
| 4     | 2     | T95K              | 7 3/4                             | 3 1/2 | 2 7/8 | 1/2 | ALT95K                         | 7 3/4                             | 3 1/2 | 2 7/8 | 1/2 |  |  |
| 4     | 2 1/2 | T96K              | 7 7/8                             | 3 1/2 | 3     | 1/2 | ALT96K                         | 7 7/8                             | 3 1/2 | 3     | 1/2 |  |  |
| 4     | 3     | T97K              | 8 1/2                             | 3 3/4 | 3 1/4 | 5/8 | ALT97K                         | 8 1/2                             | 3 3/4 | 3 1/4 | 5/8 |  |  |
| 4     | 3 1/2 | T98K              | 8 3/4                             | 3 3/4 | 3 1/2 | 5/8 | ALT98K                         | 8 3/4                             | 3 3/4 | 3 1/2 | 5/8 |  |  |
| 4     | 4     | T99K              | 9                                 | 3 3/4 | 3 3/4 | 5/8 | ALT99K                         | 9                                 | 3 3/4 | 3 3/4 | 5/8 |  |  |



45°  
Change K90 to K45 in Catalog Number.

# TK-90 SERIES

## Coupler, tube to tube

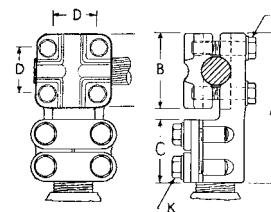
|       |       |          |       |       |  |     |            |       |       |  |     |
|-------|-------|----------|-------|-------|--|-----|------------|-------|-------|--|-----|
| 1/2   | 1/2   | T00K90-6 | 3     | 1 3/4 |  | 3/8 | ALT00K90-6 | 3     | 1 3/4 |  | 3/8 |
| 1/2   | 1/2   | T00K90   | 3 1/4 | 2     |  | 1/2 | ALT00K90   | 3 1/4 | 2     |  | 1/2 |
| 3/4   | 3/4   | T11K90-6 | 3 3/8 | 2     |  | 3/8 | ALT11K90-6 | 3 3/8 | 2     |  | 3/8 |
| 3/4   | 3/4   | T11K90   | 3 5/8 | 2 1/4 |  | 1/2 | ALT11K90   | 3 5/8 | 2 1/4 |  | 1/2 |
| 1     | 1     | T22K90-6 | 3 3/4 | 2 1/4 |  | 3/8 | ALT22K90-6 | 3 3/4 | 2 1/4 |  | 3/8 |
| 1     | 1     | T22K90   | 4     | 2 1/2 |  | 1/2 | ALT22K90   | 4     | 2 1/2 |  | 1/2 |
| 1 1/4 | 1 1/4 | T33K90   | 4 1/2 | 2 3/4 |  | 1/2 | ALT33K90   | 4 1/2 | 2 3/4 |  | 1/2 |
| 1 1/2 | 1 1/2 | T44K90   | 5     | 3     |  | 1/2 | ALT44K90   | 5     | 3     |  | 1/2 |
| 2     | 2     | T55K90   | 5 1/2 | 3 1/4 |  | 1/2 | ALT55K90   | 5 1/2 | 3 1/4 |  | 1/2 |
| 2 1/2 | 2 1/2 | T66K90   | 6     | 3 1/2 |  | 1/2 | ALT66K90   | 6     | 3 1/2 |  | 1/2 |
| 3     | 3     | T77K90   | 6 3/4 | 3 3/4 |  | 5/8 | ALT77K90   | 6 3/4 | 3 3/4 |  | 5/8 |
| 3 1/2 | 3 1/2 | T88K90   | 7 1/2 | 4     |  | 5/8 | ALT88K90   | 7 1/2 | 4     |  | 5/8 |
| 4     | 4     | T99K90   | 8 1/2 | 4 1/2 |  | 5/8 | ALT99K90   | 8 1/2 | 4 1/2 |  | 5/8 |



## XSP SERIES

### Stud connectors for cable

K = 1/2"



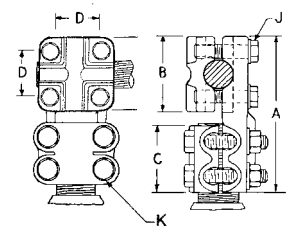
| Cable Range<br>Max. Min. |        |                                   | Stud Size     | BRONZE CONNECTORS               |                                   |                                |                                |                               | DUAL-RATED ALUMINUM CONNECTORS |                                 |                                   |                                |                                |                               |
|--------------------------|--------|-----------------------------------|---------------|---------------------------------|-----------------------------------|--------------------------------|--------------------------------|-------------------------------|--------------------------------|---------------------------------|-----------------------------------|--------------------------------|--------------------------------|-------------------------------|
|                          |        |                                   |               | Catalog Number                  | Dimension in Inches (Approximate) |                                |                                |                               |                                | Catalog Number                  | Dimension in Inches (Approximate) |                                |                                |                               |
| A                        | B      | C                                 | D             |                                 | J                                 | A                              | B                              | C                             | D                              |                                 | J                                 |                                |                                |                               |
| 250                      | 6 SOL. | 1-14                              | <b>X25SP2</b> | 4 <sup>9</sup> / <sub>16</sub>  | 1 <sup>7</sup> / <sub>8</sub>     | 2 <sup>3</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub> | <b>ALX25SP2</b>                | 4 <sup>9</sup> / <sub>16</sub>  | 1 <sup>7</sup> / <sub>8</sub>     | 2 <sup>3</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub> |
| 500                      | 6 SOL. | 1-14                              | <b>X45SP2</b> | 4 <sup>13</sup> / <sub>16</sub> | 2 <sup>1</sup> / <sub>8</sub>     | 2 <sup>3</sup> / <sub>16</sub> | 1 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub> | <b>ALX45SP2</b>                | 4 <sup>13</sup> / <sub>16</sub> | 2 <sup>1</sup> / <sub>8</sub>     | 2 <sup>3</sup> / <sub>16</sub> | 1 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub> |
| 1000                     | 2 SOL. | 1-14                              | <b>X6SP2</b>  | 5 <sup>9</sup> / <sub>16</sub>  | 2 <sup>7</sup> / <sub>8</sub>     | 2 <sup>3</sup> / <sub>16</sub> | 1 <sup>7</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> | <b>ALX6SP2</b>                 | 5 <sup>9</sup> / <sub>16</sub>  | 2 <sup>7</sup> / <sub>8</sub>     | 2 <sup>3</sup> / <sub>16</sub> | 1 <sup>7</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> |
| 250                      | 6 SOL. | 1 <sup>1</sup> / <sub>8</sub> -12 | <b>X25SP3</b> | 4 <sup>9</sup> / <sub>16</sub>  | 1 <sup>7</sup> / <sub>8</sub>     | 2 <sup>3</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub> | <b>ALX25SP3</b>                | 4 <sup>9</sup> / <sub>16</sub>  | 1 <sup>7</sup> / <sub>8</sub>     | 2 <sup>3</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub> |
| 500                      | 6 SOL. | 1 <sup>1</sup> / <sub>8</sub> -12 | <b>X45SP3</b> | 4 <sup>13</sup> / <sub>16</sub> | 2 <sup>1</sup> / <sub>8</sub>     | 2 <sup>3</sup> / <sub>16</sub> | 1 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub> | <b>ALX45SP3</b>                | 4 <sup>13</sup> / <sub>16</sub> | 2 <sup>1</sup> / <sub>8</sub>     | 2 <sup>3</sup> / <sub>16</sub> | 1 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub> |
| 1000                     | 2 SOL. | 1 <sup>1</sup> / <sub>8</sub> -12 | <b>X6SP3</b>  | 5 <sup>9</sup> / <sub>16</sub>  | 2 <sup>7</sup> / <sub>8</sub>     | 2 <sup>3</sup> / <sub>16</sub> | 1 <sup>7</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> | <b>ALX6SP3</b>                 | 5 <sup>9</sup> / <sub>16</sub>  | 2 <sup>7</sup> / <sub>8</sub>     | 2 <sup>3</sup> / <sub>16</sub> | 1 <sup>7</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> |
| 250                      | 6 SOL. | 1 <sup>1</sup> / <sub>4</sub> -12 | <b>X25SP4</b> | 4 <sup>3</sup> / <sub>4</sub>   | 1 <sup>7</sup> / <sub>8</sub>     | 2 <sup>3</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub> | <b>ALX25SP4</b>                | 4 <sup>3</sup> / <sub>4</sub>   | 1 <sup>7</sup> / <sub>8</sub>     | 2 <sup>3</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub> |
| 500                      | 6 SOL. | 1 <sup>1</sup> / <sub>4</sub> -12 | <b>X45SP4</b> | 5                               | 2 <sup>1</sup> / <sub>8</sub>     | 2 <sup>3</sup> / <sub>8</sub>  | 1 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub> | <b>ALX45SP4</b>                | 5                               | 2 <sup>1</sup> / <sub>8</sub>     | 2 <sup>3</sup> / <sub>8</sub>  | 1 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub> |
| 1000                     | 2 SOL. | 1 <sup>1</sup> / <sub>4</sub> -12 | <b>X6SP4</b>  | 5 <sup>3</sup> / <sub>4</sub>   | 2 <sup>7</sup> / <sub>8</sub>     | 2 <sup>3</sup> / <sub>8</sub>  | 1 <sup>7</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> | <b>ALX6SP4</b>                 | 5 <sup>3</sup> / <sub>4</sub>   | 2 <sup>7</sup> / <sub>8</sub>     | 2 <sup>3</sup> / <sub>8</sub>  | 1 <sup>7</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> |
| 250                      | 6 SOL. | 1 <sup>1</sup> / <sub>2</sub> -12 | <b>X25SP5</b> | 4 <sup>3</sup> / <sub>4</sub>   | 1 <sup>7</sup> / <sub>8</sub>     | 2 <sup>3</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub> | <b>ALX25SP5</b>                | 4 <sup>3</sup> / <sub>4</sub>   | 1 <sup>7</sup> / <sub>8</sub>     | 2 <sup>3</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub> |
| 500                      | 6 SOL. | 1 <sup>1</sup> / <sub>2</sub> -12 | <b>X45SP5</b> | 5                               | 2 <sup>1</sup> / <sub>8</sub>     | 2 <sup>3</sup> / <sub>8</sub>  | 1 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub> | <b>ALX45SP5</b>                | 5                               | 2 <sup>1</sup> / <sub>8</sub>     | 2 <sup>3</sup> / <sub>8</sub>  | 1 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub> |
| 1000                     | 2 SOL. | 1 <sup>1</sup> / <sub>2</sub> -12 | <b>X6SP5</b>  | 5 <sup>3</sup> / <sub>4</sub>   | 2 <sup>7</sup> / <sub>8</sub>     | 2 <sup>3</sup> / <sub>8</sub>  | 1 <sup>7</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> | <b>ALX6SP5</b>                 | 5 <sup>3</sup> / <sub>4</sub>   | 2 <sup>7</sup> / <sub>8</sub>     | 2 <sup>3</sup> / <sub>8</sub>  | 1 <sup>7</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> |
| 2000                     | 4/0    | 1 <sup>1</sup> / <sub>2</sub> -12 | <b>X8SP5</b>  | 6 <sup>1</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>8</sub>     | 2 <sup>3</sup> / <sub>8</sub>  | 2 <sup>3</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> | <b>ALX8SP5</b>                 | 6 <sup>1</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>8</sub>     | 2 <sup>3</sup> / <sub>8</sub>  | 2 <sup>3</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> |



## XST SERIES

### Stud connectors for cable

K = 1/2"

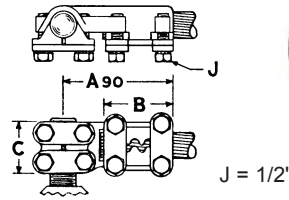


| Cable Range<br>Max. Min. |        |                                   | Stud Size      | BRONZE CONNECTORS             |                                   |                               |                                |                               | DUAL-RATED ALUMINUM CONNECTORS |                               |                                   |                               |                                |                               |
|--------------------------|--------|-----------------------------------|----------------|-------------------------------|-----------------------------------|-------------------------------|--------------------------------|-------------------------------|--------------------------------|-------------------------------|-----------------------------------|-------------------------------|--------------------------------|-------------------------------|
|                          |        |                                   |                | Catalog Number                | Dimension in Inches (Approximate) |                               |                                |                               |                                | Catalog Number                | Dimension in Inches (Approximate) |                               |                                |                               |
| A                        | B      | C                                 | D              |                               | J                                 | A                             | B                              | C                             | D                              |                               | J                                 |                               |                                |                               |
| 250                      | 6 SOL. | 1-14                              | <b>X25ST2</b>  | 4 <sup>5</sup> / <sub>8</sub> | 1 <sup>7</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>4</sub> | 1 <sup>1</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub> | <b>ALX25ST2</b>                | 4 <sup>5</sup> / <sub>8</sub> | 1 <sup>7</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>4</sub> | 1 <sup>1</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub> |
| 500                      | 6 SOL. | 1-14                              | <b>X45ST2</b>  | 4 <sup>7</sup> / <sub>8</sub> | 2 <sup>1</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>4</sub> | 1 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub> | <b>ALX45ST2</b>                | 4 <sup>7</sup> / <sub>8</sub> | 2 <sup>1</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>4</sub> | 1 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub> |
| 1000                     | 2 SOL. | 1-14                              | <b>X6ST2</b>   | 5 <sup>5</sup> / <sub>8</sub> | 2 <sup>7</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>4</sub> | 1 <sup>7</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> | <b>ALX6ST2</b>                 | 5 <sup>5</sup> / <sub>8</sub> | 2 <sup>7</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>4</sub> | 1 <sup>7</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> |
| 250                      | 6 SOL. | 1 <sup>1</sup> / <sub>8</sub> -12 | <b>X25ST3</b>  | 4 <sup>5</sup> / <sub>8</sub> | 1 <sup>7</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>4</sub> | 1 <sup>1</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub> | <b>ALX25ST3</b>                | 4 <sup>5</sup> / <sub>8</sub> | 1 <sup>7</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>4</sub> | 1 <sup>1</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub> |
| 500                      | 6 SOL. | 1 <sup>1</sup> / <sub>8</sub> -12 | <b>X45ST3</b>  | 4 <sup>7</sup> / <sub>8</sub> | 2 <sup>1</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>4</sub> | 1 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub> | <b>ALX45ST3</b>                | 4 <sup>7</sup> / <sub>8</sub> | 2 <sup>1</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>4</sub> | 1 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub> |
| 1000                     | 2 SOL. | 1 <sup>1</sup> / <sub>8</sub> -12 | <b>X6ST3</b>   | 5 <sup>5</sup> / <sub>8</sub> | 2 <sup>7</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>4</sub> | 1 <sup>7</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> | <b>ALX6ST3</b>                 | 5 <sup>5</sup> / <sub>8</sub> | 2 <sup>7</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>4</sub> | 1 <sup>7</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> |
| 250                      | 6 SOL. | 1 <sup>1</sup> / <sub>4</sub> -12 | <b>X25ST4</b>  | 4 <sup>7</sup> / <sub>8</sub> | 1 <sup>7</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>2</sub> | 1 <sup>1</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub> | <b>ALX25ST4</b>                | 4 <sup>7</sup> / <sub>8</sub> | 1 <sup>7</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>2</sub> | 1 <sup>1</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub> |
| 500                      | 6 SOL. | 1 <sup>1</sup> / <sub>4</sub> -12 | <b>X45ST4</b>  | 5 <sup>1</sup> / <sub>8</sub> | 2 <sup>1</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>2</sub> | 1 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub> | <b>ALX45ST4</b>                | 5 <sup>1</sup> / <sub>8</sub> | 2 <sup>1</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>2</sub> | 1 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub> |
| 1000                     | 2 SOL. | 1 <sup>1</sup> / <sub>4</sub> -12 | <b>X6ST4</b>   | 5 <sup>7</sup> / <sub>8</sub> | 2 <sup>7</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>2</sub> | 1 <sup>7</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> | <b>ALX6ST4</b>                 | 5 <sup>7</sup> / <sub>8</sub> | 2 <sup>7</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>2</sub> | 1 <sup>7</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> |
| 250                      | 6 SOL. | 1 <sup>1</sup> / <sub>2</sub> -12 | <b>X25ST5</b>  | 4 <sup>7</sup> / <sub>8</sub> | 1 <sup>7</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>2</sub> | 1 <sup>1</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub> | <b>ALX25ST5</b>                | 4 <sup>7</sup> / <sub>8</sub> | 1 <sup>7</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>2</sub> | 1 <sup>1</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>8</sub> |
| 500                      | 6 SOL. | 1 <sup>1</sup> / <sub>2</sub> -12 | <b>X45ST5</b>  | 5 <sup>1</sup> / <sub>8</sub> | 2 <sup>1</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>2</sub> | 1 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub> | <b>ALX45ST5</b>                | 5 <sup>1</sup> / <sub>8</sub> | 2 <sup>1</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>2</sub> | 1 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub> |
| 1000                     | 2 SOL. | 1 <sup>1</sup> / <sub>2</sub> -12 | <b>X6ST5</b>   | 5 <sup>5</sup> / <sub>8</sub> | 2 <sup>7</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>2</sub> | 1 <sup>7</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> | <b>ALX6ST5</b>                 | 5 <sup>5</sup> / <sub>8</sub> | 2 <sup>7</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>2</sub> | 1 <sup>7</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> |
| 2000                     | 4/0    | 1 <sup>1</sup> / <sub>2</sub> -12 | <b>X8ST5</b>   | 6 <sup>3</sup> / <sub>8</sub> | 3 <sup>3</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>2</sub> | 2 <sup>3</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> | <b>ALX8ST5</b>                 | 6 <sup>3</sup> / <sub>8</sub> | 3 <sup>3</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>2</sub> | 2 <sup>3</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> |
| 500                      | 6 SOL. | 2-12                              | <b>X45ST6</b>  | 5 <sup>1</sup> / <sub>8</sub> | 2 <sup>1</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>2</sub> | 1 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub> | <b>ALX45ST6</b>                | 5 <sup>1</sup> / <sub>8</sub> | 2 <sup>1</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>2</sub> | 1 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub> |
| 1000                     | 2 SOL. | 2-12                              | <b>X6ST6</b>   | 5 <sup>7</sup> / <sub>8</sub> | 2 <sup>7</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>2</sub> | 1 <sup>7</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> | <b>ALX6ST6</b>                 | 5 <sup>7</sup> / <sub>8</sub> | 2 <sup>7</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>2</sub> | 1 <sup>7</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> |
| 2000                     | 4/0    | 2-12                              | <b>X8ST6</b>   | 6 <sup>3</sup> / <sub>8</sub> | 3 <sup>3</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>2</sub> | 2 <sup>3</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> | <b>ALX8ST6</b>                 | 6 <sup>3</sup> / <sub>8</sub> | 3 <sup>3</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>2</sub> | 2 <sup>3</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> |
| 500                      | 6 SOL. | 2 <sup>1</sup> / <sub>4</sub> -12 | <b>X45ST65</b> | 5 <sup>1</sup> / <sub>8</sub> | 2 <sup>1</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>2</sub> | 1 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub> | <b>ALX45ST65</b>               | 5 <sup>1</sup> / <sub>8</sub> | 2 <sup>1</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>2</sub> | 1 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub> |
| 1000                     | 2 SOL. | 2 <sup>1</sup> / <sub>4</sub> -12 | <b>X6ST65</b>  | 5 <sup>7</sup> / <sub>8</sub> | 2 <sup>7</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>2</sub> | 1 <sup>7</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> | <b>ALX6ST65</b>                | 5 <sup>7</sup> / <sub>8</sub> | 2 <sup>7</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>2</sub> | 1 <sup>7</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> |
| 2000                     | 4/0    | 2 <sup>1</sup> / <sub>4</sub> -12 | <b>X8ST65</b>  | 6 <sup>3</sup> / <sub>8</sub> | 3 <sup>3</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>2</sub> | 2 <sup>3</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> | <b>ALX8ST65</b>                | 6 <sup>3</sup> / <sub>8</sub> | 3 <sup>3</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>2</sub> | 2 <sup>3</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> |
| 500                      | 6 SOL. | 2 <sup>1</sup> / <sub>2</sub> -12 | <b>X45ST7</b>  | 5 <sup>1</sup> / <sub>8</sub> | 2 <sup>1</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>2</sub> | 1 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub> | <b>ALX45ST7</b>                | 5 <sup>1</sup> / <sub>8</sub> | 2 <sup>1</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>2</sub> | 1 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub> |
| 1000                     | 2 SOL. | 2 <sup>1</sup> / <sub>2</sub> -12 | <b>X6ST7</b>   | 5 <sup>7</sup> / <sub>8</sub> | 2 <sup>7</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>2</sub> | 1 <sup>7</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> | <b>ALX6ST7</b>                 | 5 <sup>7</sup> / <sub>8</sub> | 2 <sup>7</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>2</sub> | 1 <sup>7</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> |
| 2000                     | 4/0    | 2 <sup>1</sup> / <sub>2</sub> -12 | <b>X8ST7</b>   | 6 <sup>3</sup> / <sub>8</sub> | 3 <sup>3</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>2</sub> | 2 <sup>3</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> | <b>ALX8ST7</b>                 | 6 <sup>3</sup> / <sub>8</sub> | 3 <sup>3</sup> / <sub>8</sub>     | 2 <sup>1</sup> / <sub>2</sub> | 2 <sup>3</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> |
| 500                      | 6 SOL. | 2 <sup>3</sup> / <sub>4</sub> -12 | <b>X45ST75</b> | 5 <sup>5</sup> / <sub>8</sub> | 2 <sup>1</sup> / <sub>8</sub>     | 3                             | 1 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub> | <b>ALX45ST75</b>               | 5 <sup>5</sup> / <sub>8</sub> | 2 <sup>1</sup> / <sub>8</sub>     | 3                             | 1 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub> |
| 1000                     | 2 SOL. | 2 <sup>3</sup> / <sub>4</sub> -12 | <b>X6ST75</b>  | 6 <sup>3</sup> / <sub>8</sub> | 2 <sup>7</sup> / <sub>8</sub>     | 3                             | 1 <sup>7</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> | <b>ALX6ST75</b>                | 6 <sup>3</sup> / <sub>8</sub> | 2 <sup>7</sup> / <sub>8</sub>     | 3                             | 1 <sup>7</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> |
| 2000                     | 4/0    | 2 <sup>3</sup> / <sub>4</sub> -12 | <b>X8ST75</b>  | 6 <sup>7</sup> / <sub>8</sub> | 3 <sup>3</sup> / <sub>8</sub>     | 3                             | 2 <sup>3</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> | <b>ALX8ST75</b>                | 6 <sup>7</sup> / <sub>8</sub> | 3 <sup>3</sup> / <sub>8</sub>     | 3                             | 2 <sup>3</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> |
| 500                      | 6 SOL. | 3-12                              | <b>X45ST8</b>  | 5 <sup>5</sup> / <sub>8</sub> | 2 <sup>1</sup> / <sub>8</sub>     | 3                             | 1 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub> | <b>ALX45ST8</b>                | 5 <sup>5</sup> / <sub>8</sub> | 2 <sup>1</sup> / <sub>8</sub>     | 3                             | 1 <sup>3</sup> / <sub>8</sub>  | 3 <sup>3</sup> / <sub>8</sub> |
| 1000                     | 2 SOL. | 3-12                              | <b>X6ST8</b>   | 6 <sup>3</sup> / <sub>8</sub> | 2 <sup>7</sup> / <sub>8</sub>     | 3                             | 1 <sup>7</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> | <b>ALX6ST8</b>                 | 6 <sup>3</sup> / <sub>8</sub> | 2 <sup>7</sup> / <sub>8</sub>     | 3                             | 1 <sup>7</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> |
| 2000                     | 4/0    | 3-12                              | <b>X8ST8</b>   | 6 <sup>7</sup> / <sub>8</sub> | 3 <sup>3</sup> / <sub>8</sub>     | 3                             | 2 <sup>3</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> | <b>ALX8ST8</b>                 | 6 <sup>7</sup> / <sub>8</sub> | 3 <sup>3</sup> / <sub>8</sub>     | 3                             | 2 <sup>3</sup> / <sub>8</sub>  | 1 <sup>1</sup> / <sub>2</sub> |

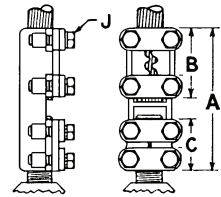


## PSP & PSP90 SERIES

### Stud connector for cable



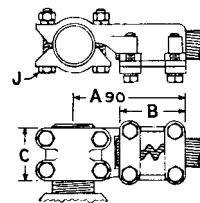
| Cable Range<br>Max. Min. |      |            | Stud<br>Size |          |         | BRONZE CONNECTORS |                                      |         |          | DUAL-RATED ALUMINUM CONNECTORS |                                      |        |     |
|--------------------------|------|------------|--------------|----------|---------|-------------------|--------------------------------------|---------|----------|--------------------------------|--------------------------------------|--------|-----|
|                          |      |            |              |          |         | Catalog<br>Number | Dimension in Inches<br>(Approximate) |         |          | Catalog<br>Number              | Dimension in Inches<br>(Approximate) |        |     |
|                          |      |            |              |          |         |                   | A                                    | A90     | B        |                                | C                                    | A      | A90 |
| 2/0                      | #4   | 3/4 - 16   | P2SP1        | 5 1/8    | 4 3/16  | 2 7/16            | 2                                    | ALP2SP1 | 5 1/8    | 4 3/16                         | 2 7/16                               | 2      |     |
| 350                      | 2/0  | 3/4 - 16   | P4SP1        | 5 1/2    | 4 9/16  | 2 13/16           | 2                                    | ALP4SP1 | 5 1/2    | 4 9/16                         | 2 13/16                              | 2      |     |
| 600                      | 350  | 3/4 - 16   | P5SP1        | 5 1/2    | 4 9/16  | 2 13/16           | 2                                    | ALP5SP1 | 5 1/2    | 4 9/16                         | 2 13/16                              | 2      |     |
| 1000                     | 600  | 3/4 - 16   | P6SP1        | 5 1 1/16 | 4 3/4   | 3                 | 2                                    | ALP6SP1 | 5 1 1/16 | 4 3/4                          | 3                                    | 2      |     |
| 2/0                      | #4   | 1 - 14     | P2SP2        | 5 9/16   | 4 1/4   | 2 7/16            | 2 3/16                               | ALP2SP2 | 5 9/16   | 4 1/4                          | 2 7/16                               | 2 3/16 |     |
| 350                      | 2/0  | 1 - 14     | P4SP2        | 5 13/16  | 4 5/8   | 2 13/16           | 2 3/16                               | ALP4SP2 | 5 13/16  | 4 5/8                          | 2 13/16                              | 2 3/16 |     |
| 600                      | 350  | 1 - 14     | P5SP2        | 5 13/16  | 4 5/8   | 2 13/16           | 2 3/16                               | ALP5SP2 | 5 13/16  | 4 5/8                          | 2 13/16                              | 2 3/16 |     |
| 1000                     | 600  | 1 - 14     | P6SP2        | 6        | 4 13/16 | 3                 | 2 3/16                               | ALP6SP2 | 6        | 4 13/16                        | 3                                    | 2 3/16 |     |
| 1500                     | 1000 | 1 - 14     | P7SP2        | 6 3/16   | 5       | 3 3/16            | 2 3/16                               | ALP7SP2 | 6 3/16   | 5                              | 3 3/16                               | 2 3/16 |     |
| 2/0                      | #4   | 1 1/8 - 12 | P2SP3        | 5 9/16   | 4 1/4   | 2 7/16            | 2 3/16                               | ALP2SP3 | 5 9/16   | 4 1/4                          | 2 7/16                               | 2 3/16 |     |
| 350                      | 2/0  | 1 1/8 - 12 | P4SP3        | 5 13/16  | 4 5/8   | 2 13/16           | 2 3/16                               | ALP4SP3 | 5 13/16  | 4 5/8                          | 2 13/16                              | 2 3/16 |     |
| 600                      | 350  | 1 1/8 - 12 | P5SP3        | 5 13/16  | 4 5/8   | 2 13/16           | 2 3/16                               | ALP5SP3 | 5 13/16  | 4 5/8                          | 2 13/16                              | 2 3/16 |     |
| 1000                     | 600  | 1 1/8 - 12 | P6SP3        | 6        | 4 13/16 | 3                 | 2 3/16                               | ALP6SP3 | 6        | 4 13/16                        | 3                                    | 2 3/16 |     |
| 1500                     | 1000 | 1 1/8 - 12 | P7SP3        | 6 3/16   | 5       | 3 3/16            | 2 3/16                               | ALP7SP3 | 6 3/16   | 5                              | 3 3/16                               | 2 3/16 |     |
| 2/0                      | #4   | 1 1/4 - 12 | P2SP4        | 5 1/2    | 4 7/16  | 2 7/16            | 2 3/8                                | ALP2SP4 | 5 1/2    | 4 7/16                         | 2 7/16                               | 2 3/8  |     |
| 350                      | 2/0  | 1 1/4 - 12 | P4SP4        | 6        | 4 13/16 | 2 13/16           | 2 3/8                                | ALP4SP4 | 6        | 4 13/16                        | 2 13/16                              | 2 3/8  |     |
| 600                      | 350  | 1 1/4 - 12 | P5SP4        | 6        | 4 13/16 | 2 13/16           | 2 3/8                                | ALP5SP4 | 6        | 4 13/16                        | 2 13/16                              | 2 3/8  |     |
| 1000                     | 600  | 1 1/4 - 12 | P6SP4        | 6 3/16   | 5       | 3                 | 2 3/8                                | ALP6SP4 | 6 3/16   | 5                              | 3                                    | 2 3/8  |     |
| 1500                     | 1000 | 1 1/4 - 12 | P7SP4        | 6 3/8    | 5 3/16  | 3 3/16            | 2 3/8                                | ALP7SP4 | 6 3/8    | 5 3/16                         | 3 3/16                               | 2 3/8  |     |
| 2/0                      | #4   | 1 1/2 - 12 | P2SP5        | 5 1/2    | 4 7/16  | 2 7/16            | 2 3/8                                | ALP2SP5 | 5 1/2    | 4 7/16                         | 2 7/16                               | 2 3/8  |     |
| 350                      | 2/0  | 1 1/2 - 12 | P4SP5        | 6        | 4 13/16 | 2 13/16           | 2 3/8                                | ALP4SP5 | 6        | 4 13/16                        | 2 13/16                              | 2 3/8  |     |
| 600                      | 350  | 1 1/2 - 12 | P5SP5        | 6        | 4 13/16 | 2 13/16           | 2 3/8                                | ALP5SP5 | 6        | 4 13/16                        | 2 13/16                              | 2 3/8  |     |
| 1000                     | 600  | 1 1/2 - 12 | P6SP5        | 6 3/16   | 5       | 3                 | 2 3/8                                | ALP6SP5 | 6 3/16   | 5                              | 3                                    | 2 3/8  |     |
| 1500                     | 1000 | 1 1/2 - 12 | P7SP5        | 6 3/8    | 5 3/16  | 3 3/16            | 2 3/8                                | ALP7SP5 | 6 3/8    | 5 3/16                         | 3 3/16                               | 2 3/8  |     |
| 2000                     | 1500 | 1 1/2 - 12 | P8SP5        | 6 9/16   | 5 3/8   | 3 3/8             | 2 3/8                                | ALP8SP5 | 6 9/16   | 5 3/8                          | 3 3/8                                | 2 3/8  |     |



For 90° add suffix 90 to Catalog Number.

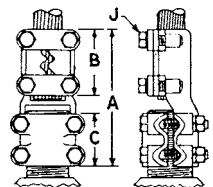
## PST & PST90 SERIES

### Stud connector for cable



J = 1/2"

| Cable Range<br>Max. Min. |      |            | Stud<br>Size |         |         | BRONZE CONNECTORS |                                      |         |         | DUAL-RATED ALUMINUM CONNECTORS |                                      |       |     |
|--------------------------|------|------------|--------------|---------|---------|-------------------|--------------------------------------|---------|---------|--------------------------------|--------------------------------------|-------|-----|
|                          |      |            |              |         |         | Catalog<br>Number | Dimension in Inches<br>(Approximate) |         |         | Catalog<br>Number              | Dimension in Inches<br>(Approximate) |       |     |
|                          |      |            |              |         |         |                   | A                                    | A90     | B       |                                | C                                    | A     | A90 |
| 350                      | 2/0  | 2 - 12     | P4ST6        | 6 1/8   | 5 1/8   | 2 13/16           | 2 1/2                                | ALP4ST6 | 6 1/8   | 5 1/8                          | 2 13/16                              | 2 1/2 |     |
| 600                      | 350  | 2 - 12     | P5ST6        | 6 1/8   | 5 1/8   | 2 13/16           | 2 1/2                                | ALP5ST6 | 6 1/8   | 5 1/8                          | 2 13/16                              | 2 1/2 |     |
| 1000                     | 600  | 2 - 12     | P6ST6        | 6 5/16  | 5 5/16  | 3                 | 2 1/2                                | ALP6ST6 | 6 5/16  | 5 5/16                         | 3                                    | 2 1/2 |     |
| 1500                     | 1000 | 2 - 12     | P7ST6        | 6 1/2   | 5 1/2   | 3 3/16            | 2 1/2                                | ALP7ST6 | 6 1/2   | 5 1/2                          | 3 3/16                               | 2 1/2 |     |
| 2000                     | 1500 | 2 - 12     | P8ST6        | 6 11/16 | 5 11/16 | 3 3/8             | 2 1/2                                | ALP8ST6 | 6 11/16 | 5 11/16                        | 3 3/8                                | 2 1/2 |     |
| 350                      | 2/0  | 2 1/2 - 12 | P4ST7        | 6 3/8   | 5 3/8   | 2 13/16           | 2 3/4                                | ALP4ST7 | 6 3/8   | 5 3/8                          | 2 13/16                              | 2 3/4 |     |
| 600                      | 350  | 2 1/2 - 12 | P5ST7        | 6 3/8   | 5 3/8   | 2 13/16           | 2 3/4                                | ALP5ST7 | 6 3/8   | 5 3/8                          | 2 13/16                              | 2 3/4 |     |
| 1000                     | 600  | 2 1/2 - 12 | P6ST7        | 6 9/16  | 5 13/16 | 3                 | 2 3/4                                | ALP6ST7 | 6 9/16  | 5 13/16                        | 3                                    | 2 3/4 |     |
| 1500                     | 1000 | 2 1/2 - 12 | P7ST7        | 6 3/4   | 6       | 3 3/16            | 2 3/4                                | ALP7ST7 | 6 3/4   | 6                              | 3 3/16                               | 2 3/4 |     |
| 2000                     | 1500 | 2 1/2 - 12 | P8ST7        | 6 15/16 | 6 3/16  | 3 3/8             | 2 3/4                                | ALP8ST7 | 6 15/16 | 6 3/16                         | 3 3/8                                | 2 3/4 |     |
| 350                      | 2/0  | 3 - 12     | P4ST8        | 6 5/8   | 7 1/8   | 2 13/16           | 3                                    | ALP4ST8 | 6 5/8   | 7 1/8                          | 2 13/16                              | 3     |     |
| 600                      | 350  | 3 - 12     | P5ST8        | 6 5/8   | 7 1/8   | 2 13/16           | 3                                    | ALP5ST8 | 6 5/8   | 7 1/8                          | 2 13/16                              | 3     |     |
| 1000                     | 600  | 3 - 12     | P6ST8        | 6 13/16 | 7 5/16  | 3                 | 3                                    | ALP6ST8 | 6 13/16 | 7 5/16                         | 3                                    | 3     |     |
| 1500                     | 1000 | 3 - 12     | P7ST8        | 7       | 7 1/2   | 3 3/16            | 3                                    | ALP7ST8 | 7       | 7 1/2                          | 3 3/16                               | 3     |     |
| 2000                     | 1500 | 3 - 12     | P8ST8        | 7 3/16  | 7 11/16 | 3 3/8             | 3                                    | ALP8ST8 | 7 3/16  | 7 11/16                        | 3 3/8                                | 3     |     |

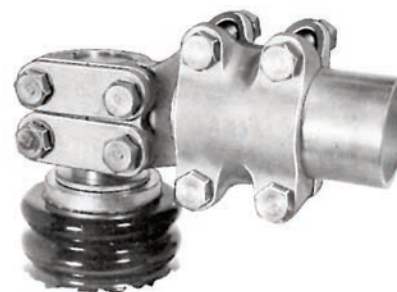
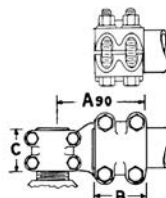


For 90° add suffix 90 to Catalog Number.

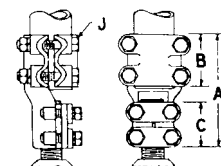
## TSP & TSP-90 SERIES

Stud connectors for tube

J = 1/2"



| Stud Size | IPS   | BRONZE CONNECTORS |                                   |                    |                  | DUAL-RATED ALUMINUM CONNECTORS |                |                                   |                    |                  |                   |
|-----------|-------|-------------------|-----------------------------------|--------------------|------------------|--------------------------------|----------------|-----------------------------------|--------------------|------------------|-------------------|
|           |       | Catalog Number    | Dimension in Inches (Approximate) |                    |                  |                                | Catalog Number | Dimension in Inches (Approximate) |                    |                  |                   |
|           |       |                   | A                                 | A90                | B                | C                              |                | A                                 | A90                | B                | C                 |
| 3/4 -16   | 1/2   | T0SP1             | 4 <sup>15/16</sup>                | 5 <sup>3/16</sup>  | 2 <sup>1/4</sup> | 2                              | ALT0SP1        | 4 <sup>15/16</sup>                | 5 <sup>3/16</sup>  | 2 <sup>1/4</sup> | 2                 |
| 3/4 -16   | 3/4   | T1SP1             | 5 <sup>1/16</sup>                 | 5 <sup>7/16</sup>  | 2 <sup>3/8</sup> | 2                              | ALT1SP1        | 5 <sup>1/16</sup>                 | 5 <sup>7/16</sup>  | 2 <sup>3/8</sup> | 2                 |
| 3/4 -16   | 1     | T2SP1             | 5 <sup>3/16</sup>                 | 5 <sup>1/8</sup>   | 2 <sup>1/2</sup> | 2                              | ALT2SP1        | 5 <sup>3/16</sup>                 | 5 <sup>1/8</sup>   | 2 <sup>1/2</sup> | 2                 |
| 1 -14     | 3/4   | T1SP2             | 5 <sup>3/8</sup>                  | 5 <sup>5/8</sup>   | 2 <sup>3/8</sup> | 2 <sup>3/16</sup>              | ALT1SP2        | 5 <sup>3/8</sup>                  | 5 <sup>5/8</sup>   | 2 <sup>3/8</sup> | 2 <sup>3/16</sup> |
| 1 -14     | 1     | T2SP2             | 5 <sup>1/2</sup>                  | 5 <sup>3/4</sup>   | 2 <sup>1/2</sup> | 2 <sup>3/16</sup>              | ALT2SP2        | 5 <sup>1/2</sup>                  | 5 <sup>3/4</sup>   | 2 <sup>1/2</sup> | 2 <sup>3/16</sup> |
| 1 -14     | 1 1/4 | T3SP2             | 5 <sup>5/8</sup>                  | 5 <sup>7/8</sup>   | 2 <sup>3/8</sup> | 2 <sup>3/16</sup>              | ALT3SP2        | 5 <sup>5/8</sup>                  | 5 <sup>7/8</sup>   | 2 <sup>3/8</sup> | 2 <sup>3/16</sup> |
| 1 -14     | 1 1/2 | T4SP2             | 5 <sup>3/4</sup>                  | 6                  | 2 <sup>3/4</sup> | 2 <sup>3/16</sup>              | ALT4SP2        | 5 <sup>3/4</sup>                  | 6                  | 2 <sup>3/4</sup> | 2 <sup>3/16</sup> |
| 1 1/8 -12 | 3/4   | T1SP3             | 5 <sup>3/8</sup>                  | 5 <sup>5/8</sup>   | 2 <sup>3/8</sup> | 2 <sup>3/16</sup>              | ALT1SP3        | 5 <sup>3/8</sup>                  | 5 <sup>5/8</sup>   | 2 <sup>3/8</sup> | 2 <sup>3/16</sup> |
| 1 1/8 -12 | 1     | T2SP3             | 5 <sup>1/2</sup>                  | 5 <sup>3/4</sup>   | 2 <sup>1/2</sup> | 2 <sup>3/16</sup>              | ALT2SP3        | 5 <sup>1/2</sup>                  | 5 <sup>3/4</sup>   | 2 <sup>1/2</sup> | 2 <sup>3/16</sup> |
| 1 1/8 -12 | 1 1/4 | T3SP3             | 5 <sup>5/8</sup>                  | 5 <sup>7/8</sup>   | 2 <sup>3/8</sup> | 2 <sup>3/16</sup>              | ALT3SP3        | 5 <sup>5/8</sup>                  | 5 <sup>7/8</sup>   | 2 <sup>3/8</sup> | 2 <sup>3/16</sup> |
| 1 1/8 -12 | 1 1/2 | T4SP3             | 5 <sup>3/4</sup>                  | 6                  | 2 <sup>3/4</sup> | 2 <sup>3/16</sup>              | ALT4SP3        | 5 <sup>3/4</sup>                  | 6                  | 2 <sup>3/4</sup> | 2 <sup>3/16</sup> |
| 1 1/4 -12 | 3/4   | T1SP4             | 5 <sup>7/8</sup>                  | 6 <sup>1/16</sup>  | 2 <sup>3/8</sup> | 2 <sup>3/8</sup>               | ALT1SP4        | 5 <sup>7/8</sup>                  | 6 <sup>1/16</sup>  | 2 <sup>3/8</sup> | 2 <sup>3/8</sup>  |
| 1 1/4 -12 | 1     | T2SP4             | 6                                 | 6 <sup>1/16</sup>  | 2 <sup>1/2</sup> | 2 <sup>3/8</sup>               | ALT2SP4        | 6                                 | 6 <sup>1/16</sup>  | 2 <sup>1/2</sup> | 2 <sup>3/8</sup>  |
| 1 1/4 -12 | 1 1/4 | T3SP4             | 6 <sup>1/8</sup>                  | 6 <sup>7/16</sup>  | 2 <sup>3/8</sup> | 2 <sup>3/8</sup>               | ALT3SP4        | 6 <sup>1/8</sup>                  | 6 <sup>7/16</sup>  | 2 <sup>3/8</sup> | 2 <sup>3/8</sup>  |
| 1 1/4 -12 | 1 1/2 | T4SP4             | 6 <sup>1/4</sup>                  | 6 <sup>9/16</sup>  | 2 <sup>3/4</sup> | 2 <sup>3/8</sup>               | ALT4SP4        | 6 <sup>1/4</sup>                  | 6 <sup>9/16</sup>  | 2 <sup>3/4</sup> | 2 <sup>3/8</sup>  |
| 1 1/2 -12 | 3/4   | T1SP5             | 5 <sup>7/8</sup>                  | 6 <sup>1/16</sup>  | 2 <sup>3/8</sup> | 2 <sup>3/8</sup>               | ALT1SP5        | 5 <sup>7/8</sup>                  | 6 <sup>1/16</sup>  | 2 <sup>3/8</sup> | 2 <sup>3/8</sup>  |
| 1 1/2 -12 | 1     | T2SP5             | 6                                 | 6 <sup>1/16</sup>  | 2 <sup>1/2</sup> | 2 <sup>3/8</sup>               | ALT2SP5        | 6                                 | 6 <sup>1/16</sup>  | 2 <sup>1/2</sup> | 2 <sup>3/8</sup>  |
| 1 1/2 -12 | 1 1/4 | T3SP5             | 6 <sup>1/8</sup>                  | 6 <sup>7/16</sup>  | 2 <sup>3/8</sup> | 2 <sup>3/8</sup>               | ALT3SP5        | 6 <sup>1/8</sup>                  | 6 <sup>7/16</sup>  | 2 <sup>3/8</sup> | 2 <sup>3/8</sup>  |
| 1 1/2 -12 | 1 1/2 | T4SP5             | 6 <sup>1/4</sup>                  | 6 <sup>9/16</sup>  | 2 <sup>3/4</sup> | 2 <sup>3/8</sup>               | ALT4SP5        | 6 <sup>1/4</sup>                  | 6 <sup>9/16</sup>  | 2 <sup>3/4</sup> | 2 <sup>3/8</sup>  |
| 1 1/2 -12 | 2     | T5SP5             | 6 <sup>3/8</sup>                  | 6 <sup>13/16</sup> | 2 <sup>7/8</sup> | 2 <sup>3/8</sup>               | ALT5SP5        | 6 <sup>3/8</sup>                  | 6 <sup>13/16</sup> | 2 <sup>7/8</sup> | 2 <sup>3/8</sup>  |
| 1 1/2 -12 | 2 1/2 | T6SP5             | 6 <sup>1/2</sup>                  | 6 <sup>15/16</sup> | 3                | 2 <sup>3/8</sup>               | ALT6SP5        | 6 <sup>1/2</sup>                  | 6 <sup>15/16</sup> | 3                | 2 <sup>3/8</sup>  |

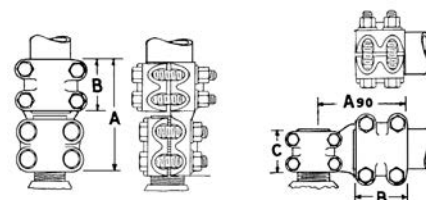


For 90° add suffix 90 to Catalog Number and add 20% to price.

## TST & TST-90 SERIES

Stud connectors for tube

J = 1/2"



| Stud Size | IPS   | BRONZE CONNECTORS |                                   |                  |                  |                  | DUAL-RATED ALUMINUM CONNECTORS |                |                                   |                  |                  |                  |     |
|-----------|-------|-------------------|-----------------------------------|------------------|------------------|------------------|--------------------------------|----------------|-----------------------------------|------------------|------------------|------------------|-----|
|           |       | Catalog Number    | Dimension in Inches (Approximate) |                  |                  |                  |                                | Catalog Number | Dimension in Inches (Approximate) |                  |                  |                  |     |
|           |       |                   | A                                 | A90              | B                | C                | J                              |                | A                                 | A90              | B                | C                | J   |
| 2 -12     | 1/4   | T3ST6             | 6 <sup>1/8</sup>                  | 6 <sup>7/8</sup> | 2 <sup>5/8</sup> | 2 <sup>1/2</sup> | 1/2                            | ALT3ST6        | 6 <sup>1/8</sup>                  | 6 <sup>7/8</sup> | 2 <sup>5/8</sup> | 2 <sup>1/2</sup> | 1/2 |
| 2 -12     | 1/2   | T4ST6             | 6 <sup>1/4</sup>                  | 7                | 2 <sup>3/4</sup> | 2 <sup>1/2</sup> | 1/2                            | ALT4ST6        | 6 <sup>1/4</sup>                  | 7                | 2 <sup>3/4</sup> | 2 <sup>1/2</sup> | 1/2 |
| 2 -12     | 2     | T5ST6             | 6 <sup>3/8</sup>                  | 7 <sup>1/8</sup> | 2 <sup>7/8</sup> | 2 <sup>1/2</sup> | 1/2                            | ALT5ST6        | 6 <sup>3/8</sup>                  | 7 <sup>1/8</sup> | 2 <sup>7/8</sup> | 2 <sup>1/2</sup> | 1/2 |
| 2 -12     | 2 1/2 | T6ST6             | 6 <sup>1/2</sup>                  | 7 <sup>1/4</sup> | 3                | 2 <sup>1/2</sup> | 1/2                            | ALT6ST6        | 6 <sup>1/2</sup>                  | 7 <sup>1/4</sup> | 3                | 2 <sup>1/2</sup> | 1/2 |
| 2 -12     | 3     | T7ST6             | 7                                 | 7 <sup>7/8</sup> | 3 <sup>1/4</sup> | 2 <sup>1/2</sup> | 5/8                            | ALT7ST6        | 7                                 | 7 <sup>7/8</sup> | 3 <sup>1/4</sup> | 2 <sup>1/2</sup> | 5/8 |
| 2 1/2 -12 | 1 1/2 | T4ST7             | 6 <sup>1/2</sup>                  | 7 <sup>1/2</sup> | 2 <sup>3/4</sup> | 2 <sup>3/4</sup> | 1/2                            | ALT4ST7        | 6 <sup>1/2</sup>                  | 7 <sup>1/2</sup> | 2 <sup>3/4</sup> | 2 <sup>3/4</sup> | 1/2 |
| 2 1/2 -12 | 2     | T5ST7             | 6 <sup>5/8</sup>                  | 7 <sup>5/8</sup> | 2 <sup>7/8</sup> | 2 <sup>3/4</sup> | 1/2                            | ALT5ST7        | 6 <sup>5/8</sup>                  | 7 <sup>5/8</sup> | 2 <sup>7/8</sup> | 2 <sup>3/4</sup> | 1/2 |
| 2 1/2 -12 | 2 1/2 | T6ST7             | 6 <sup>3/4</sup>                  | 7 <sup>7/8</sup> | 3                | 2 <sup>3/4</sup> | 1/2                            | ALT6ST7        | 6 <sup>3/4</sup>                  | 7 <sup>7/8</sup> | 3                | 2 <sup>3/4</sup> | 1/2 |
| 2 1/2 -12 | 3     | T7ST7             | 7 <sup>1/4</sup>                  | 8 <sup>3/8</sup> | 3 <sup>1/4</sup> | 3                | 5/8                            | ALT7ST7        | 7 <sup>1/4</sup>                  | 8 <sup>3/8</sup> | 3 <sup>1/4</sup> | 3                | 5/8 |
| 3 -12     | 1 1/4 | T3ST8             | 6 <sup>5/8</sup>                  | 7 <sup>7/8</sup> | 2 <sup>3/8</sup> | 3                | 1/2                            | ALT3ST8        | 6 <sup>5/8</sup>                  | 7 <sup>7/8</sup> | 2 <sup>3/8</sup> | 3                | 1/2 |
| 3 -12     | 2     | T5ST8             | 6 <sup>7/8</sup>                  | 8 <sup>1/8</sup> | 2 <sup>7/8</sup> | 3                | 1/2                            | ALT5ST8        | 6 <sup>7/8</sup>                  | 8 <sup>1/8</sup> | 2 <sup>7/8</sup> | 3                | 1/2 |
| 3 -12     | 2 1/2 | T6ST8             | 7                                 | 8 <sup>1/4</sup> | 3                | 3                | 1/2                            | ALT6ST8        | 7                                 | 8 <sup>1/4</sup> | 3                | 3                | 1/2 |
| 3 -12     | 3     | T7ST8             | 7 <sup>9/16</sup>                 | 8 <sup>7/8</sup> | 3 <sup>1/4</sup> | 3 <sup>1/4</sup> | 5/8                            | ALT7ST8        | 7 <sup>9/16</sup>                 | 8 <sup>7/8</sup> | 3 <sup>1/4</sup> | 3 <sup>1/4</sup> | 5/8 |
| 3 -12     | 3 1/2 | T8ST8             | 7 <sup>13/16</sup>                | 9 <sup>1/8</sup> | 3 <sup>1/2</sup> | 3 <sup>1/4</sup> | 5/8                            | ALT8ST8        | 7 <sup>13/16</sup>                | 9 <sup>1/8</sup> | 3 <sup>1/2</sup> | 3 <sup>1/4</sup> | 5/8 |
| 3 -12     | 4     | T9ST8             | 8 <sup>1/16</sup>                 | 9 <sup>3/8</sup> | 3 <sup>3/4</sup> | 3 <sup>1/4</sup> | 5/8                            | ALT9ST8        | 8 <sup>1/16</sup>                 | 9 <sup>3/8</sup> | 3 <sup>3/4</sup> | 3 <sup>1/4</sup> | 5/8 |

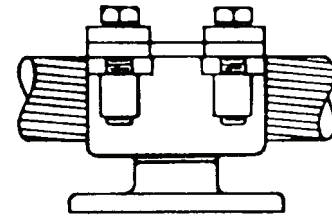
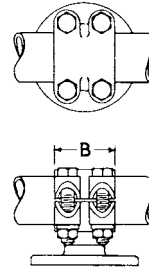
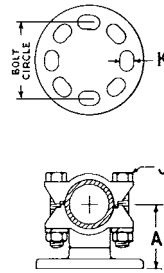


For 90° add suffix 90 to Catalog Number.



## WPC & WTT SERIES

Bus support for cable or tube



WTT

WPC

|             |      |       |             | BRONZE CONNECTOR |                               |         | DUAL-RATED ALUMINUM CONNECTORS |                |                                   |         |        |  |
|-------------|------|-------|-------------|------------------|-------------------------------|---------|--------------------------------|----------------|-----------------------------------|---------|--------|--|
| Cable Range |      | IPS   | Bolt Circle | Catalog Number   | Dimension in Inches (Approx.) |         |                                | Catalog Number | Dimension in Inches (Approximate) |         |        |  |
| Max.        | Min. |       |             |                  | A                             | B       | K                              |                | A                                 | B       | K      |  |
| 2/0         | #4   | 1/4   | 3           | WP2C3            | 1 3/8                         | 2 13/16 | 9/16                           | ALWP2C3        | 1 3/8                             | 2 13/16 | 9/16   |  |
| 2/0         | #4   | 1/4   | 5           | WP2C5            | 1 3/8                         | 2 13/16 | 1 1/16                         | ALWP2C5        | 1 3/8                             | 2 13/16 | 1 1/16 |  |
| 350         | 2/0  | 3/8   | 3           | WP4C3            | 1 1/2                         | 2 13/16 | 9/16                           | ALWP4C3        | 1 1/2                             | 2 13/16 | 9/16   |  |
| 350         | 2/0  | 3/8   | 5           | WP4C5            | 1 1/2                         | 2 13/16 | 1 1/16                         | ALWP4C5        | 1 1/2                             | 2 13/16 | 1 1/16 |  |
| 600         | 350  | 1/2   | 3           | WP5C3            | 1 3/4                         | 2 13/16 | 9/16                           | ALWP5C3        | 1 3/4                             | 2 13/16 | 9/16   |  |
| 600         | 350  | 1/2   | 5           | WP5C5            | 2 1/8                         | 2 13/16 | 1 1/16                         | ALWP5C5        | 2 1/8                             | 2 13/16 | 1 1/16 |  |
| 1000        | 600  | 3/4   | 3           | WP6C3            | 2                             | 3       | 9/16                           | ALWP6C3        | 2                                 | 3       | 9/16   |  |
| 1000        | 600  | 3/4   | 5           | WP6C5            | 2 1/4                         | 3       | 1 1/16                         | ALWP6C5        | 2 1/4                             | 3       | 1 1/16 |  |
| 1500        | 1000 | 1     | 3           | WP7C3            | 2                             | 3 3/16  | 9/16                           | ALWP7C3        | 2                                 | 3 3/16  | 9/16   |  |
| 1500        | 1000 | 1     | 5           | WP7C5            | 2 1/4                         | 3 3/16  | 1 1/16                         | ALWP7C5        | 2 1/4                             | 3 3/16  | 1 1/16 |  |
| 2000        | 1500 | 1 1/4 | 3           | WP8C3            | 2 1/4                         | 3 3/8   | 9/16                           | ALWP8C3        | 2 1/4                             | 3 3/8   | 9/16   |  |
| 2000        | 1500 | 1 1/4 | 5           | WP8C5            | 2 1/2                         | 3 3/8   | 1 1/16                         | ALWP8C5        | 2 1/2                             | 3 3/8   | 1 1/16 |  |
| 3000        | 2000 | 1 1/2 | 3           | WP9C3            | 2 1/2                         | 3 3/8   | 9/16                           | ALWP9C3        | 2 1/2                             | 3 3/8   | 9/16   |  |
| 3000        | 2000 | 1 1/2 | 5           | WP9C5            | 2 3/4                         | 3 3/8   | 1 1/16                         | ALWP9C5        | 2 3/4                             | 3 3/8   | 1 1/16 |  |
| IPS ONLY    |      | 2     | 3           | WT5T3            | 2 7/8                         | 3       | 9/16                           | ALWT5T3        | 2 7/8                             | 3       | 9/16   |  |
|             |      | 2     | 5           | WT5T5            | 2 7/8                         | 3       | 1 1/16                         | ALWT5T5        | 2 7/8                             | 3       | 1 1/16 |  |
|             |      | 2 1/2 | 3           | WT6T3            | 3 1/8                         | 3       | 9/16                           | ALWT6T3        | 3 1/8                             | 3       | 9/16   |  |
|             |      | 2 1/2 | 5           | WT6T5            | 3 1/8                         | 3       | 1 1/16                         | ALWT6T5        | 3 1/8                             | 3       | 1 1/16 |  |
|             |      | 3     | 3           | WT7T3            | 3 1/2                         | 3 1/4   | 9/16                           | ALWT7T3        | 3 1/2                             | 3 1/4   | 9/16   |  |
|             |      | 3     | 5           | WT7T5            | 3 11/16                       | 3 1/4   | 1 1/16                         | ALWT7T5        | 3 11/16                           | 3 1/4   | 1 1/16 |  |
|             |      | 3 1/2 | 3           | WT8T3            | 3 3/4                         | 3 1/4   | 9/16                           | ALWT8T3        | 3 3/4                             | 3 1/4   | 9/16   |  |
|             |      | 3 1/2 | 5           | WT8T5            | 4                             | 3 1/4   | 1 1/16                         | ALWT8T5        | 4                                 | 3 1/4   | 1 1/16 |  |
|             |      | 4     | 3           | WT9T3            | 4                             | 3 1/4   | 9/16                           | ALWT9T3        | 4                                 | 3 1/4   | 9/16   |  |
|             |      | 4     | 5           | WT9T5            | 4 1/4                         | 3 1/4   | 1 1/16                         | ALWT9T5        | 4 1/4                             | 3 1/4   | 1 1/16 |  |



WPC



WTT

Includes galvanized mounting hardware.

## FNSP SERIES

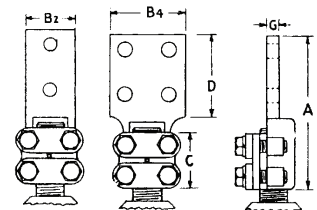
Stud spade adapter

|           |        | BRONZE CONNECTORS |                                   |    |    |        |       | DUAL-RATED ALUMINUM CONNECTORS |                |                                   |    |    |        |       |      |
|-----------|--------|-------------------|-----------------------------------|----|----|--------|-------|--------------------------------|----------------|-----------------------------------|----|----|--------|-------|------|
| Stud Size | H.T.** | Catalog Number    | Dimension in Inches (Approximate) |    |    |        |       |                                | Catalog Number | Dimension in Inches (Approximate) |    |    |        |       |      |
|           |        |                   | A                                 | B2 | B4 | C      | D     | G                              |                | A                                 | B2 | B4 | C      | D     | G    |
| 1/2-13    | 2      | F2NSP0            | 5 3/4                             | 2  | -  | 2      | 3 1/4 | 5/16                           | ALF2NSP0       | 5 3/4                             | 2  | -  | 2      | 3 1/4 | 5/16 |
| 1/2-13    | 4      | F4NSP0            | 5 3/4                             | -  | 3  | 2      | 3 1/4 | 5/16                           | ALF4NSP0       | 5 3/4                             | -  | 3  | 2      | 3 1/4 | 5/16 |
| 3/4-16    | 2      | F2NSP1            | 5 3/4                             | 2  | -  | 2      | 3 1/4 | 3/8                            | ALF2NSP1       | 5 3/4                             | 2  | -  | 2      | 3 1/4 | 3/8  |
| 3/4-16    | 4      | F4NSP1            | 5 3/4                             | -  | 3  | 2      | 3 1/4 | 3/8                            | ALF4NSP1       | 5 3/4                             | -  | 3  | 2      | 3 1/4 | 3/8  |
| 1-14      | 2      | F2NSP2            | 6                                 | 2  | -  | 2 3/16 | 3 1/4 | 7/16                           | ALF2NSP2       | 6                                 | 2  | -  | 2 3/16 | 3 1/4 | 7/16 |
| 1-14      | 4      | F4NSP2            | 6                                 | -  | 3  | 2 3/16 | 3 1/4 | 7/16                           | ALF4NSP2       | 6                                 | -  | 3  | 2 3/16 | 3 1/4 | 7/16 |
| 1 1/8-12  | 2      | F2NSP3            | 6                                 | 2  | -  | 2 3/16 | 3 1/4 | 1/2                            | ALF2NSP3       | 6                                 | 2  | -  | 2 3/16 | 3 1/4 | 1/2  |
| 1 1/8-12  | 4      | F4NSP3            | 6                                 | -  | 3  | 2 3/16 | 3 1/4 | 1/2                            | ALF4NSP3       | 6                                 | -  | 3  | 2 3/16 | 3 1/4 | 1/2  |
| 1 1/4-12  | 2      | F2NSP4            | 6 1/2                             | 2  | -  | 2 3/8  | 3 1/4 | 9/16                           | ALF2NSP4       | 6 1/2                             | 2  | -  | 2 3/8  | 3 1/4 | 9/16 |
| 1 1/4-12  | 4      | F4NSP4            | 6 1/2                             | -  | 3  | 2 3/8  | 3 1/4 | 9/16                           | ALF4NSP4       | 6 1/2                             | -  | 3  | 2 3/8  | 3 1/4 | 9/16 |
| 1 1/2-12  | 2      | F2NSP5            | 6 1/2                             | 2  | -  | 2 3/8  | 3 1/4 | 5/8                            | ALF2NSP5       | 6 1/2                             | 2  | -  | 2 3/8  | 3 1/4 | 5/8  |
| 1 1/2-12  | 4      | F4NSP5            | 6 1/2                             | -  | 3  | 2 3/8  | 3 1/4 | 5/8                            | ALF4NSP5       | 6 1/2                             | -  | 3  | 2 3/8  | 3 1/4 | 5/8  |

Hardware is 1/2". Bolt hole spacing 1 3/4" on center.

For 90° add suffix 90 to Catalog Number.

\*\* Holes in Tang

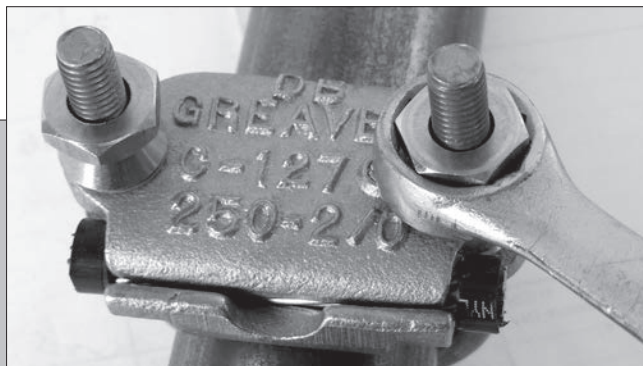






# TORK-AWAY

## Security Hardware

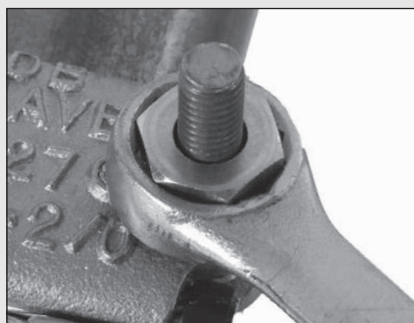


## Tork-Away connections are reliable, secure and safe.

When the pre-set torque is applied, the hex portion breaks off. This is visual, inspectible proof that the proper torque has been applied. The result is a smooth conical shape which is virtually impossible to grip with any tool, so the connection is extremely tamper-resistant, vandal-resistant, and safe. Tork-Away security hardware is stainless steel nuts and/or bolts for maximum corrosion resistance.



1. Screw on nut as shown



2. Tighten to shear-off hex



3. Remove hex head

**Reliability** – Tork-Away assures the proper installation torque, so the integrity of the electrical joint is inspectible and assured.

**Security** – Tork-Away provides a safe connection which cannot be removed without destroying the hardware... virtually tamper-proof and vandal-proof.

**Installability** – Tork-Away is installed with common tools... no molds, no flames, no weather limitations.

**Inspectability** – Tork-Away is easily inspected... when the hex portion is gone, the proper torque has been applied and a reliable, safe connection is assured.

**Irreversible** – A Tork-Away connection cannot be removed without destruction.

**Numerous Greaves products are available with the Tork-Away feature:**

- U-bolt clamps – CH, CG (Fig 2)
- Ground rod clamps – G1500
- I-beam clamps – GBC40, GBCL
- Universal Ground Clamps – CX
- Stainless steel hardware for lug mounting
- Fence Ground Clamp – GFGC



# GREAVES

## HARDWARE DURHAM BOLTS™

| NAED<br>NUMBER | CATALOG<br>NUMBER | SIZE     |            | CTN<br>QTY |
|----------------|-------------------|----------|------------|------------|
|                |                   | DIA.     | LGTH. (IN) |            |
| 71400          | SB 0              | 1/4 -20  | 1/2        | 100        |
| 71405          | SB 00             | 1/4 -20  | 5/8        | 100        |
| 71410          | SB 000            | 1/4 -20  | 3/4        | 100        |
| 71415          | SB 01             | 1/4 -20  | 1          | 100        |
| 71420          | SB 02             | 1/4 -20  | 1 1/4      | 100        |
| 71425          | SB 03             | 1/4 -20  | 1 1/2      | 100        |
| 71430          | SB 05             | 1/4 -20  | 2          | 100        |
| 71435          | SB 07             | 1/4 -20  | 2 1/2      | 50         |
| 71440          | SB 09             | 1/4 -20  | 3          | 50         |
| 71445          | SB 8              | 5/16 -18 | 1/2        | 100        |
| 71450          | SB 80             | 5/16 -18 | 5/8        | 100        |
| 71455          | SB 800            | 5/16 -18 | 3/4        | 100        |
| 71460          | SB 81             | 5/16 -18 | 1          | 50         |
| 71465          | SB 82             | 5/16 -18 | 1 1/4      | 50         |
| 71500          | SB 83             | 5/16 -18 | 1 1/2      | 50         |
| 71505          | SB 84             | 5/16 -18 | 1 3/4      | 50         |
| 71510          | SB 85             | 5/16 -18 | 2          | 50         |
| 71515          | SB 87             | 5/16 -18 | 2 1/2      | 50         |
| 71520          | SB 89             | 5/16 -18 | 3          | 25         |
| 71525          | SB 6              | 3/8 -16  | 1/2        | 100        |
| 71530          | SB 60             | 3/8 -16  | 5/8        | 100        |
| 71535          | SB 600            | 3/8 -16  | 3/4        | 100        |
| 71540          | SB 61             | 3/8 -16  | 1          | 50         |
| 71545          | SB 62             | 3/8 -16  | 1 1/4      | 50         |
| 71550          | SB 63             | 3/8 -16  | 1 1/2      | 50         |
| 71555          | SB 64             | 3/8 -16  | 1 3/4      | 50         |
| 71560          | SB 65             | 3/8 -16  | 2          | 50         |
| 71565          | SB 66             | 3/8 -16  | 2 1/4      | 50         |
| 71570          | SB 67             | 3/8 -16  | 2 1/2      | 50         |
| 71575          | SB 68             | 3/8 -16  | 2 3/4      | 50         |
| 71580          | SB 69             | 3/8 -16  | 3          | 25         |
| 71585          | SB 610            | 3/8 -16  | 3 1/4      | 25         |
| 71590          | SB 611            | 3/8 -16  | 3 1/2      | 25         |
| 71595          | SB 612            | 3/8 -16  | 3 3/4      | 15         |
| 71600          | SB 613            | 3/8 -16  | 4          | 15         |
| 71605          | SB 300            | 1/2 -13  | 3/4        | 100        |
| 71610          | SB 31             | 1/2 -13  | 1          | 50         |
| 71615          | SB 32             | 1/2 -13  | 1 1/4      | 50         |
| 71620          | SB 33             | 1/2 -13  | 1 1/2      | 50         |
| 71625          | SB 34             | 1/2 -13  | 1 3/4      | 50         |
| 71630          | SB 35             | 1/2 -13  | 2          | 50         |
| 71635          | SB 36             | 1/2 -13  | 2 1/4      | 50         |
| 71640          | SB 37             | 1/2 -13  | 2 1/2      | 50         |
| 71645          | SB 38             | 1/2 -13  | 2 3/4      | 50         |
| 71650          | SB 39             | 1/2 -13  | 3          | 25         |
| 71655          | SB 310            | 1/2 -13  | 3 1/4      | 25         |
| 71660          | SB 311            | 1/2 -13  | 3 1/2      | 25         |
| 71665          | SB 312            | 1/2 -13  | 3 3/4      | 25         |
| 71670          | SB 313            | 1/2 -13  | 4          | 15         |
| 71675          | SB 315            | 1/2 -13  | 4 1/2      | 15         |
| 71680          | SB 317            | 1/2 -13  | 5          | 15         |

Silicon Bronze  
Hex Head Machine Bolts



**PLATING:** Above bolts available tin plated.  
Add suffix letter "P" to the above Catalog Numbers.  
For sizes not listed consult factory for delivery.



## HARDWARE DURHAM BOLTS™

| NAED NUMBER | cATALoG NUMBER | SIZE    |            | c TN QTY |
|-------------|----------------|---------|------------|----------|
|             |                | DIA.    | LGTH. (IN) |          |
| 71685       | SB 11          | 5/8 -11 | 1          | 25       |
| 71690       | SB 12          | 5/8 -11 | 1¼         | 25       |
| 71700       | SB 13          | 5/8 -11 | 1½         | 25       |
| 71705       | SB 14          | 5/8 -11 | 1¾         | 25       |
| 71710       | SB 15          | 5/8 -11 | 2          | 25       |
| 71715       | SB 16          | 5/8 -11 | 2¼         | 25       |
| 71720       | SB 17          | 5/8 -11 | 2½         | 25       |
| 71725       | SB 18          | 5/8 -11 | 2¾         | 25       |
| 71730       | SB 19          | 5/8 -11 | 3          | 15       |
| 71735       | SB 110         | 5/8 -11 | 3¼         | 15       |
| 71740       | SB 111         | 5/8 -11 | 3½         | 15       |

**Silicon Bronze  
Hex Head  
Machine Bolts  
(Cont.)**



| NAED NUMBER | cATALoG NUMBER | SIZE (IN) | c TN QTY | EST. SHIPPING |      |
|-------------|----------------|-----------|----------|---------------|------|
|             |                |           |          | WEIGHT (lbs)  | UNIT |
| 71780       | SFW 0          | 1/4       | 100      | .40           | CTN  |
| 71785       | SFW 8          | 5/16      | 50       | .30           | CTN  |
| 71790       | SFW 6          | 3/8       | 50       | .45           | CTN  |
| 71795       | SFW 3          | 1/2       | 50       | 1.15          | CTN  |
| 71800       | SFW 1          | 5/8       | 25       | .93           | CTN  |

**Silicon Bronze  
Flat Washers**



|       |       |      |     |     |     |
|-------|-------|------|-----|-----|-----|
| 71810 | SLW 0 | 1/4  | 100 | .30 | CTN |
| 71815 | SLW 8 | 5/16 | 50  | .20 | CTN |
| 71820 | SLW 6 | 3/8  | 50  | .35 | CTN |
| 71825 | SLW 3 | 1/2  | 50  | .75 | CTN |
| 71830 | SLW 1 | 5/8  | 25  | .60 | CTN |

**Silicon Bronze  
Split Lock Washers**

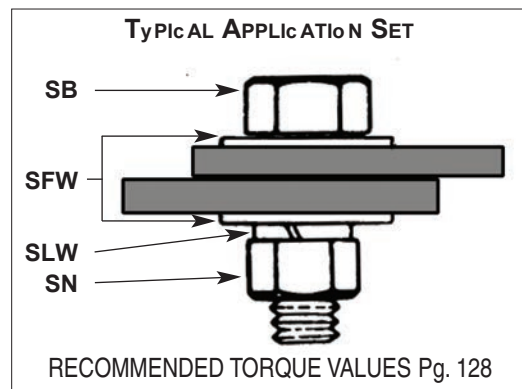


|       |      |          |     |      |     |
|-------|------|----------|-----|------|-----|
| 71750 | SN 0 | 1/4 -20  | 100 | .80  | CTN |
| 71755 | SN 8 | 5/16 -18 | 50  | .60  | CTN |
| 71760 | SN 6 | 3/8 -16  | 50  | .85  | CTN |
| 71765 | SN 3 | 1/2 -13  | 50  | 2.05 | CTN |
| 71770 | SN 1 | 5/8 -11  | 25  | 1.95 | CTN |

**Silicon Bronze  
Hex Nuts**



**PLATING:** Available tin-plated, add suffix "P" to above Catalog Number.  
For sizes not listed consult factory.





## HARDWARE STAINLESS STEEL

| NAED NUMBER | CATALOG NUMBER | SIZE     |            | CTN QTY |
|-------------|----------------|----------|------------|---------|
|             |                | DIA.     | LGTH. (IN) |         |
| 71851       | SS 0           | 1/4 -20  | 1/2        | 100     |
| 71852       | SS 00          | 1/4 -20  | 5/8        | 100     |
| 71853       | SS 000         | 1/4 -20  | 3/4        | 100     |
| 71854       | SS 01          | 1/4 -20  | 1          | 100     |
| 71856       | SS 02          | 1/4 -20  | 1 1/4      | 100     |
| 71857       | SS 03          | 1/4 -20  | 1 1/2      | 100     |
| 71858       | SS 05          | 1/4 -20  | 2          | 100     |
| 71859       | SS 07          | 1/4 -20  | 2 1/2      | 50      |
| 71861       | SS 09          | 1/4 -20  | 3          | 50      |
| 71862       | SS 8           | 5/16 -18 | 1/2        | 100     |
| 71863       | SS 80          | 5/16 -18 | 5/8        | 100     |
| 71864       | SS 800         | 5/16 -18 | 3/4        | 100     |
| 71866       | SS 81          | 5/16 -18 | 1          | 50      |
| 71875       | SS 82          | 5/16 -18 | 1 1/4      | 50      |
| 71876       | SS 83          | 5/16 -18 | 1 1/2      | 50      |
| 71878       | SS 84          | 5/16 -18 | 1 3/4      | 50      |
| 71879       | SS 85          | 5/16 -18 | 2          | 50      |
| 71880       | SS 87          | 5/16 -18 | 2 1/2      | 50      |
| 71881       | SS 89          | 5/16 -18 | 3          | 25      |
| 71833       | SS 6           | 3/8 -16  | 1/2        | 100     |
| 71834       | SS 60          | 3/8 -16  | 5/8        | 100     |
| 71835       | SS 600         | 3/8 -16  | 3/4        | 100     |
| 71836       | SS 61          | 3/8 -16  | 1          | 50      |
| 71837       | SS 62          | 3/8 -16  | 1 1/4      | 50      |
| 71838       | SS 63          | 3/8 -16  | 1 1/2      | 50      |
| 71839       | SS 64          | 3/8 -16  | 1 3/4      | 50      |
| 71840       | SS 65          | 3/8 -16  | 2          | 50      |
| 71841       | SS 66          | 3/8 -16  | 2 1/4      | 50      |
| 71842       | SS 67          | 3/8 -16  | 2 1/2      | 50      |
| 71843       | SS 68          | 3/8 -16  | 2 3/4      | 50      |
| 71844       | SS 69          | 3/8 -16  | 3          | 25      |
| 71845       | SS 610         | 3/8 -16  | 3 1/4      | 25      |
| 71882       | SS 611         | 3/8 -16  | 3 1/2      | 25      |
| 71883       | SS 612         | 3/8 -16  | 3 3/4      | 15      |
| 71884       | SS 613         | 3/8 -16  | 4          | 15      |
| 71846       | SS 300         | 1/2 -13  | 3/4        | 100     |
| 71847       | SS 31          | 1/2 -13  | 1          | 50      |
| 71848       | SS 32          | 1/2 -13  | 1 1/4      | 50      |
| 71849       | SS 33          | 1/2 -13  | 1 1/2      | 50      |
| 71850       | SS 34          | 1/2 -13  | 1 3/4      | 50      |
| 71855       | SS 35          | 1/2 -13  | 2          | 50      |
| 71860       | SS 36          | 1/2 -13  | 2 1/4      | 50      |
| 71865       | SS 37          | 1/2 -13  | 2 1/2      | 50      |
| 71867       | SS 38          | 1/2 -13  | 2 3/4      | 50      |
| 71868       | SS 39          | 1/2 -13  | 3          | 25      |
| 71869       | SS 310         | 1/2 -13  | 3 1/4      | 25      |
| 71870       | SS 311         | 1/2 -13  | 3 1/2      | 25      |
| 71871       | SS 312         | 1/2 -13  | 3 3/4      | 25      |
| 71872       | SS 313         | 1/2 -13  | 4          | 15      |
| 71873       | SS 315         | 1/2 -13  | 4 1/2      | 15      |
| 71874       | SS 317         | 1/2 -13  | 5          | 15      |

Stainless Steel  
Hex Head Machine Bolts



For sizes not listed, consult factory for delivery.





## HARDWARE STAINLESS STEEL

### BELLEVILLE WASHERS

Belleville disk spring washers, made of tempered stainless steel, are used to maintain load or tension in bolted assemblies. High tension is maintained, compensating for differential thermal expansion of dissimilar metals. The bolted tension is distributed over the lug tang for the diameter of the Belleville disk, providing greater contact to the pad.

| NAED NUMBER | c ATALo G NUMBER | SIZE | c TN QTY | EST. SHIPPING |      |
|-------------|------------------|------|----------|---------------|------|
|             |                  |      |          | WEIGHT (lbs)  | UNIT |
| 71926       | SSBW 6           | 3/8  | 50       | .25           | CTN  |
| 71930       | SSBW 3           | 1/2  | 50       | .45           | CTN  |



### FLAT WASHERS

| NAED NUMBER | c ATALo G NUMBER | SIZE | c TN QTY | EST. SHIPPING |      |
|-------------|------------------|------|----------|---------------|------|
|             |                  |      |          | WEIGHT (lbs)  | UNIT |
| 71901       | SSFW 0           | 1/4  | 100      | .30           | CTN  |
| 71902       | SSFW 8           | 5/16 | 50       | .20           | CTN  |
| 71900       | SSFW 6           | 3/8  | 50       | .35           | CTN  |
| 71905       | SSFW 3           | 1/2  | 50       | .85           | CTN  |



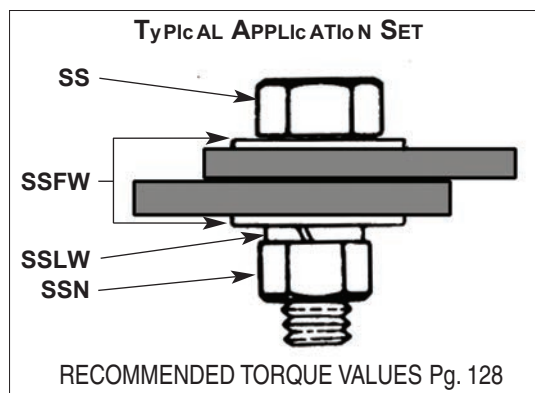
### SPLIT Lock WASHERS

|       |        |      |     |     |     |
|-------|--------|------|-----|-----|-----|
| 71916 | SSLW 0 | 1/4  | 100 | .30 | CTN |
| 71917 | SSLW 8 | 5/16 | 50  | .15 | CTN |
| 71915 | SSLW 6 | 3/8  | 50  | .30 | CTN |
| 71920 | SSLW 3 | 1/2  | 50  | .65 | CTN |



### HEX NUTS

|       |       |          |     |      |     |
|-------|-------|----------|-----|------|-----|
| 71886 | SSN 0 | 1/4 -20  | 100 | .50  | CTN |
| 71887 | SSN 8 | 5/16 -18 | 50  | .35  | CTN |
| 71885 | SSN 6 | 3/8 -16  | 50  | .75  | CTN |
| 71890 | SSN 3 | 1/2 -13  | 50  | 1.80 | CTN |







## NEMA RECOMMENDED BOLT TORQUE VALUES FOR BOLTED POWER CONNECTORS

| BOLT DIAMETER (IN) | NOMINAL TORQUE VALUES (IN - LBS) |       |          |
|--------------------|----------------------------------|-------|----------|
|                    | SILICON BRONZE                   | STEEL | ALUMINUM |
| 5/16 - 18          | 180                              | 180   | —        |
| 3/8 - 16           | 240                              | 240   | 168      |
| 7/16 - 14          | 360                              | 360   | 230      |
| 1/2 - 13           | 480                              | 480   | 300      |
| 5/8 - 11           | 660                              | 660   | 480      |
| 3/4 - 10           | 840                              | 840   | —        |

## NOMINAL CLASS B STRANDED WIRE DIAMETERS

