DMC Power has rapidly evolved over the past half century from a manufacturer of aerospace components into a leading supplier of Substation and Transmission connections around the world. How did we do it? By inventing and perfecting the most advanced connection system in the world: 360° Radial Swaging.

Originally designed – and still in use - for Aerospace applications, DMC Power Swage Tools and Connectors are specially designed to work in tandem with each other to create the most robust and reliable bus, cable, ground and full tension connections in the power industry.

Our customers realize the overall value that DMC Power provides at each and every jobsite and the distinct advantages our Swage System has over other connection methods by being:

- **Faster** – Connections in as little as 15 seconds
- **Safer** – Absence of gases, chemicals, explosions, molten metal and potential line failure minimizes installer safety risks
- **Repeatable** – No variability based on installer or weather; consistent connections time after time
- **Verifiable** – Simple to use “Go/No-Go” Gauge ensures the connection is secure. No x-rays or other expensive & lengthy inspection methods required
- **Tested** – Extensively tested to meet or exceed all nationally recognized standards, including ANSI C119.4, NEMA CC1, IEEE & ASTM
- **Certified** – ISO 9001:2008 facility with engineering, testing and manufacturing under one roof
- **All-Weather** – On the job 365 days a year; no downtime during rain, sleet, snow, high wind, high humidity or muddy conditions
- **Unsurpassed Quality** – The best materials engineered for each application & process
- **Lower Total Project Cost** – By the end of the job, the total cost of the project (not to mention the risk of injury or connector failure involved with other systems) is by far the lowest in the industry
- **Global Presence, Local Support** – Training when and where you need it
SERIOUS QUALITY CONTROL

DMC Power is a “Total Quality” ISO 9001:2008 certified U.S. manufacturing facility committed to continuously and measurably improving our products, services and the overall Quality Management System.

Being ISO 9001:2008 certified helps ensure that our customers receive consistently great quality products with every order. This is achieved through continuous internal audits and yearly independent audits to verify our Quality Management System conforms to strict industry standards.

From initial quoting through on-time deliveries, our pledge to exceed customer expectations of a defect-free, premium value product is one we’re proud to make and certain to deliver. We commit that we will provide:

- Totally open communication with our customers
- Only the highest quality products and services
- Products and services delivered on time and in the best possible way
- Systems of continuous Quality Improvement
- Verified, independent test reports
- Continuously improved products, services, and the Quality Management System that supports them

Our parts catalog contains just a small sample of the most popular connectors from the thousands of different styles and configurations we have available.

Each connector shown includes the base part number, description, image, a typical ordering example and a variety of icons which contain easy to understand information at a glance.

If you need more information, our world class sales and customer service teams are here to help you every step of the way. Simply call us at 888-SWAGE-NOW or visit us online at www.DMCPower.com to see even more connectors, cut sheets, cross-reference guides, part builder tools and more!

---

**TRANSMISSION CONNECTIONS**

- **kV rating for a particular set of sizes**
- **Approximate weight for the middle sized OD of a particular connector**
- **Different pad widths commonly used**
- **Base part number for the copper equivalent**
- **Base part number for using a split run**
- **Base part number for different pad widths than the one shown**
- **Connector is frequently ordered with one end capped**
- **Connector has an EHV rating**
- **Connector is frequently tin-plated**
- **Connector is frequently ordered with standard or custom angle variations**
- **Shows the standard bolt circle patterns available**
- **Suffix indicator for various pad sizes and angles**

* Dependant on bolt shields, corona rings, cable spacing and application
** Contact factory for exact weights

www.dmcpower.com
SWAGE TOOLING

- Single Swage installation in most applications
- Operates in all weather and ground conditions
- Consistent, repeatable, measurable performance
- Hydraulically operated
- Interchangeable heads for various applications
- Complete rental kits and accessories available

CONNECT WITH THE BEST
DMC Power connectors and Swage tools are proudly made in the U.S.A. and tested to exceed industry standards to provide you with the highest quality bus, cable, grounding, EHV and transmission connections.

Special attention has been paid to safety, speed, reliability and ease of use. We’re confident that once you experience the benefits of Swaging you’ll never go back to your old installation method again. The best part of the Swage System is that anyone can use our tools. With on-site training and by following the simple, safe, operation, safety and maintenance steps you will:

- Increase installation speed
- Raise safety standards
- Reduce downtime
- Operate in all weather conditions
- Lower the total cost of your project

Complete training designed to teach personnel how to properly install DMC Power Connectors and operate DMC Power Swage Tools are provided at no additional cost.

Contact your Territory Manager or DMC Power directly at 888-SWAGE-NOW to schedule your team’s training today!

WARRANTY INFORMATION
Our Swage tools are a highly engineered piece of equipment that have been designed, manufactured and tested to be used as a mate with only DMC Power connectors, completing our patented “Swage System”. Everything we do in regards to material selection, manufacturing processes, testing and certification has come from decades of experience and independent testing of our system as a mate.

If DMC Power Swage Tools are not used with DMC Power connectors you are creating a safety and quality issue and immediately voiding all warranties or guarantees, implied or otherwise, on the tool and the connection being made. Any and all liabilities of the tool and connection will be the sole responsibility of the customer/end user.

DMC Power agrees to repair or replace, free of charge, any Yoke, Die Block or Power Unit manufactured by DMC Power which proves to be defective due to faulty workmanship or materials within 1 year of shipment from the factory. Dies, Endplates and Pumps have a 90 day warranty. This will be honored provided written notice is received by the company immediately following the discovery of such defect.

DMC Power shall have no liability for damages or delays resulting from the use of alternative connectors, any unauthorized substitute service parts or unauthorized repairs not performed by DMC Power. These actions will immediately void the warranty and may cause the equipment to perform in an unsatisfactory or unsafe manner.
360° SWAGING POWER

**SUPERIOR QUALITY**
Constructed from solid material for maximum strength and reliability

**SAVES TIME**
Consistently install connectors faster than other methods

**ALL-WEATHER**
Operates in freezing temperatures, wind, snow, rain & heat

**IMPROVES SAFETY**
No open flames or special safety equipment required

**LOWER TOTAL PROJECT COST**
Reduce labor expenses, set-up costs and downtime

**INSPECTABLE QUALITY**
Easily and immediately verify Swage with “Go/No-Go” Gauge

**EASY TO USE**
On-site training gets crews Swaging in as little as 15 minutes

**CONSISTENT RESULTS**
One button operation produces quick and repeatable results

**EASY MAINTENANCE**
Few moving parts and easy die removal for cleaning and lubrication

**MULTI-PURPOSE**
Single tool can be used for various bus, cable, grounding and full tensions applications

**KIT INCLUDES**
- Swage Tool
- Die Set
- Hydraulic Pump
- Hydraulic Hose
- Inspection Gauge
- Swage Lube
- Carrying Case

Contact DMC POWER to learn more about PURCHASE and RENTAL options
Buy or Rent Interchangeable Head Assemblies and Inspection Gauges to Increase Tool Flexibility & Accelerate Time Savings!

<table>
<thead>
<tr>
<th>BUS O.D.</th>
<th>HEAD ASSEMBLY</th>
<th>INSPECTION GAUGE</th>
<th>POWER UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1&quot;</td>
<td>DLT7PLHA0016</td>
<td>PLKIG2000-16</td>
<td>DLT58MAPW0000</td>
</tr>
<tr>
<td>1-1/2&quot;</td>
<td>DLT7PLHA0024</td>
<td>PLKIG2000-24</td>
<td></td>
</tr>
<tr>
<td>2&quot;</td>
<td>DLT7PLHA0032</td>
<td>PLKIG2000-32</td>
<td></td>
</tr>
<tr>
<td>2-1/2&quot;</td>
<td>DLT7PLHA0040</td>
<td>PLKIG2000-40</td>
<td></td>
</tr>
<tr>
<td>3&quot;</td>
<td>DLT7PLHA0048</td>
<td>PLKIG2000-48</td>
<td></td>
</tr>
<tr>
<td>1&quot;</td>
<td>DLT65PLHA0016</td>
<td>PLKIG2000-16</td>
<td>DLT65MAPW0000</td>
</tr>
<tr>
<td>1-1/2&quot;</td>
<td>DLT65PLHA0024</td>
<td>PLKIG2000-24</td>
<td></td>
</tr>
<tr>
<td>2&quot;</td>
<td>DLT65PLHA0032</td>
<td>PLKIG2000-32</td>
<td></td>
</tr>
<tr>
<td>2-1/2&quot;</td>
<td>DLT65PLHA0040</td>
<td>PLKIG2000-40</td>
<td></td>
</tr>
<tr>
<td>3&quot;</td>
<td>DLT65PLHA0048</td>
<td>PLKIG2000-48</td>
<td></td>
</tr>
<tr>
<td>5&quot;</td>
<td>DLT86PLHA0080</td>
<td>PLKIG2000-80</td>
<td>DLT86MAPW0000</td>
</tr>
<tr>
<td>6&quot;</td>
<td>PLT115PLTA0000</td>
<td>PLKIG2000-96</td>
<td>PLT115MAPE1000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CABLE AND GROUND</th>
</tr>
</thead>
<tbody>
<tr>
<td>FITTING O.D.</td>
</tr>
<tr>
<td>1/2&quot;</td>
</tr>
<tr>
<td>3/4&quot;</td>
</tr>
<tr>
<td>1&quot;</td>
</tr>
<tr>
<td>1 - 1/4&quot;</td>
</tr>
<tr>
<td>1 - 1/2&quot;</td>
</tr>
<tr>
<td>1 - 3/4&quot;</td>
</tr>
<tr>
<td>1 - 7/8&quot;</td>
</tr>
<tr>
<td>2&quot;</td>
</tr>
<tr>
<td>2 - 1/4&quot;</td>
</tr>
<tr>
<td>2 - 3/4&quot;</td>
</tr>
<tr>
<td>3 - 1/4&quot;</td>
</tr>
</tbody>
</table>
DLT58 / DP58
58 POWER UNIT

<table>
<thead>
<tr>
<th>58 Tons</th>
<th>Full Tension Weight</th>
<th>Power Unit Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1&quot; - 3&quot;</td>
<td>26 lbs</td>
<td>2&quot; - 2 1/2&quot;</td>
</tr>
</tbody>
</table>

DLT58 Power Unit
with 3" Head Assembly

DLT65
65 POWER UNIT

<table>
<thead>
<tr>
<th>65 Tons</th>
<th>Head Assembly Weight</th>
<th>Power Unit Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1&quot; - 4&quot;</td>
<td>28 lbs</td>
<td>23 lbs</td>
</tr>
</tbody>
</table>

DLT65 Power Unit
with 4" Head Assembly

DP85 (Full Tension)
DLT86 (5" Bus)
85 & 86 POWER UNITS

<table>
<thead>
<tr>
<th>85/86 Tons</th>
<th>Head Assembly Weight</th>
<th>Power Unit Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>5&quot;</td>
<td>43 lbs</td>
<td>24 lbs</td>
</tr>
</tbody>
</table>

DP85 Power Unit with 2"
Full Tension Head Assembly

DLT86 Power Unit
with 5" Head Assembly
PLT115
6" BUS TOOL

- 2-Stage Pump Required (PLT115PLPE1001) – see next page
- Includes 5-Point lifting cradle for easy installation at any angle

DMC Power Offers Three Great Options To Get You Started Swaging:

1. PURCHASE
   Perfect choice for users with:
   - Continuous projects
   - Higher volume connections
   - Unpredictable weather
   - Tool maintenance personnel

2. RENTAL
   Great option for:
   - Low volume projects
   - Budget conscious users
   - Expanding Swage tool potential (rent Head Assemblies)
   - Emergency maintenance/repairs
   - Accelerated time savings (Rent multiple tools)
   - Short staffed/welders not available

3. TRIAL
   Whether you’re brand new to Swaging or are already a satisfied customer exploring new product categories, we’ve got you covered with our Tool Trial offer.

DMC Power will deliver Swage Tooling to your jobsite or facility, train your team and let you see for yourself – on your own LIVE project - the power of Swaging with this low risk commitment.

ALL TOOLS QUALIFY FOR:

FREE user training | 24/7 jobsite support | International shipping | Bulk discounts

Tooling is on the shelf and ready to ship - call 888-SWAGE-NOW to place your order today!
**HYDRAULIC PUMPS**

- Reservoir sight window to determine hydraulic oil level
- Various Hydraulic Hose and Hand Control options available
- Factory filled hydraulic oil reservoir
- Shipped safely in sturdy, wheeled case

### DLT12MAPE1001
**ELECTRIC HYDRAULIC PUMP**
- Used with DLT45/58/65/85/86 Power Units
- Calibrated to stop at 10,000 psi
- Push button activation and automatic retraction
- 5/8 HP, 10,000 RPM motor
- 115V AC, 50/60 Hz
- 1.6 quart hydraulic fluid reservoir
- 7"L x 8"W x 14"H; 28 lbs
- Includes 10’ push button hand control and 10’ hydraulic hose with threaded connectors

### PLT115PLPE1001
**2-STAGE HYDRAULIC PUMP**
- Used with the PLT115 6” Bus tool only
- Calibrated to stop at 9,000 psi
- Manual control with advance, hold & retract settings
- 1/2 HP, 12,000 RPM motor
- 110/115V AC, 50/60 Hz
- 1/2 gallon hydraulic fluid reservoir
- 12"L x 10"W x 19"H; 42 lbs
- Includes 10’ push button hand control and 10’ hydraulic hose with threaded connectors

### DLT17MAPE1001
**GAS POWERED PUMP**
- Used with all Power Units
- 2-Stage pump for rapid advance
- Calibrated to stop at 10,000 psi
- 5.5 HP Honda CHV-Type engine
- Includes protective roll cage
- 3 gallon hydraulic fluid reservoir
- 22"L x 20"W x 25"H; 154 lbs
- Includes 50’ push button hand control and 50’ hydraulic hose with threaded connectors
BUS CONNECTORS

- Aluminum or Copper material
- Includes pre-applied anti-oxidant compound
- Standard & custom pad sizes & angles available
- Machined to exact specifications from 1”-6”
- External fittings work with 40, 60, 80 & 120 schedules
- Non-standard and metric sizes available

FASTER, MORE RELIABLE BUS INSTALLATIONS

If installation speed, quality, safety and total project cost is important on your jobsite, stop welding and start Swaging.

Extensive comparative testing shows the DMC Power Swaging system outperforms welded and bolted counterparts in all major tests. Each Swaged Bus connector results in a superior mechanical, thermal and electrical connection for your substation needs.

Qualified to meet or exceed all the nationally recognized standards, including ANSI C119.4 and NEMA CC1, the DMC Power system raises the quality, safety and productivity standard on your site, rendering conventional methods obsolete.

Putting DMC Power to the Test
(typical results for 2” bus fittings)

<table>
<thead>
<tr>
<th>Test Parameter</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corona/RIV</td>
<td>Qualified for up to 765kV substations*</td>
</tr>
<tr>
<td>Fault Current</td>
<td>45kA</td>
</tr>
<tr>
<td>Current Cycle</td>
<td>500 cycles air, 100 cycles water</td>
</tr>
<tr>
<td>Bending</td>
<td>13,000 lbs. load</td>
</tr>
<tr>
<td>Vibration</td>
<td>2Hz to 125Hz, over 1 million cycles</td>
</tr>
<tr>
<td>Tensile</td>
<td>Over 17,000 lbs.</td>
</tr>
<tr>
<td>Salt Fog</td>
<td>1,000 hours per ASTM B117-90</td>
</tr>
</tbody>
</table>

* Some parts may require additional shielding

THE PROOF IS IN THE TESTING

Swaged connections carry a greater tensile load for a longer amount of time versus welding.

Typical Test Graph for Welded Connector Failure

Typical Test Graph for DMC Power Swaged Connector

Current Cycle Testing

Temperature Rise Testing

Bend Testing

Vibration Testing
PLK1000
SPlice

<table>
<thead>
<tr>
<th>Voltage</th>
<th>1&quot;</th>
<th>2½&quot;</th>
<th>3&quot;</th>
<th>4&quot;</th>
<th>5&quot;</th>
<th>6&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>230kV</td>
<td>~4 lbs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>500kV</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>765kV</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ORDERING EXAMPLE
PLK1000D16
1" Aluminum Splice

PLK1010
SPlice Reducer

<table>
<thead>
<tr>
<th>Voltage</th>
<th>1&quot;</th>
<th>2½&quot;</th>
<th>3&quot;</th>
<th>4&quot;</th>
<th>5&quot;</th>
<th>6&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>230kV</td>
<td>~5 lbs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>500kV</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>765kV</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ORDERING EXAMPLE
PLK1010D 24 64
2-⅝" to 4" Aluminum Splice Reducer

PLK1160
Ground Stud Assembly

<table>
<thead>
<tr>
<th>Voltage</th>
<th>1&quot;</th>
<th>6&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>230kV</td>
<td>~4 lbs</td>
<td></td>
</tr>
</tbody>
</table>

ORDERING EXAMPLE
PLK1160D48
3" Aluminum Splice with Ground Stud

PLK3160
EHV Ground Stud with Ball

<table>
<thead>
<tr>
<th>Voltage</th>
<th>1&quot;</th>
<th>6&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>500kV</td>
<td>~6 lbs</td>
<td></td>
</tr>
</tbody>
</table>

ORDERING EXAMPLE
PLK3160D64 - 12
4" Aluminum EHV Splice with 500kV, 12" Ball Ground Stud

PLK1161
Ground Stirrup

<table>
<thead>
<tr>
<th>Voltage</th>
<th>1&quot;</th>
<th>6&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>230kV</td>
<td>~7 lbs</td>
<td></td>
</tr>
</tbody>
</table>

ORDERING EXAMPLE
PLK1161D80
5" Aluminum Splice with Ground Stirrup

PLK1165
Dual Ground Stud Assembly

<table>
<thead>
<tr>
<th>Voltage</th>
<th>1&quot;</th>
<th>6&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>230kV</td>
<td>~5 lbs</td>
<td></td>
</tr>
</tbody>
</table>

ORDERING EXAMPLE
PLK1165D24
1½" Aluminum Splice with Dual Ground Studs

SPLIT FITTINGS FOR EASY INSTALLATION

Many of our connectors can be made with a split main run, making it easy to tap onto existing Bus structures. Simply place one half of the fitting over the Bus bar and slide the other half into the interlocking grooves. The two halves are now surrounding the Bus bar and can be securely Swaged on each end in seconds.

Look for this icon and the corresponding base part number on our most popular split fitting connectors, or just replace the first digit (PLK1###) with a 5 (PLK5###) for your new split fitting part number.

www.dmcpower.com
**PLK1350**
**END CAP**
- 1” – 6”
- 230kV
- ~3 lbs

**ORDERING EXAMPLE**
PLK1350D48
3” Aluminum End Cap

**PLK1360**
**ROUNDED END CAP**
- 1” – 6”
- 230kV
- ~4 lbs

**ORDERING EXAMPLE**
PLK1360D32
2” Aluminum Rounded End Cap

**PLK3361**
**EHV BALL-STYLE END CAP**
- 3”
- 500kV
- ~4½ lbs

**ORDERING EXAMPLE**
PLK3361D64 - 12
4” Aluminum EHV End Cap with 500kV, 12” Ball Diameter

**PLK3400**
**EHV ELBOW WITH CORONA RING**
- 3” – 6”
- 500kV
- ~11 lbs

**ORDERING EXAMPLE**
PLK3400D80E3
5” Aluminum EHV Elbow with Corona Ring at 60° Angle

**PLK1400**
**ELBOW**
- 1” – 2½”
- 230kV
- ~5 lbs

**ORDERING EXAMPLE**
PLK1400D32E1
2” Aluminum Elbow at 30° Angle

**PLK3401**
**EHV LARGE RADIUS ELBOW**
- 3” – 6”
- 500kV
- ~14 lbs

**ORDERING EXAMPLE**
PLK3401D64E4
4” Aluminum EHV Large Radius Elbow at 90° Angle

**PLK1600**
**A-FRAME**
- 1” – 6”
- 230kV
- ~16 lbs

**ORDERING EXAMPLE**
PLK1600D48 64
4” Aluminum A-Frame with Two, 3” Taps at standard 30° Angle

**PLK1500**
**TEE**
- 1” – 2½”
- 230kV
- ~7 lbs

**ORDERING EXAMPLE**
PLK1500D 16 40 E2
Aluminum Bus Tee connecting 1” Tap to 2-1/2” Run at 15° Angle
PLK1100  
4-HOLE LONGITUDINAL PAD TEE  
- Pad Size  
- Pad Length  
ORDERING EXAMPLE  
PLK1100D32 E1  
2" Aluminum Tee with 4"x5", 4-Hole Longitudinal Pad

PLK1150  
4-HOLE 90° TRANSVERSE PAD TEE  
- Pad Width  
- Pad Length  
ORDERING EXAMPLE  
PLK1150D L1 E3  
2" Aluminum Tee with 3"x7", 4-Hole 90° Transverse Pad

PLK1120  
DUAL 4-HOLE LONGITUDINAL PAD TEE  
- Pad Size  
- Pad Length  
ORDERING EXAMPLE  
PLK1120D48 E1  
3" Aluminum Tee with Two, 4"x5", 4-Hole Longitudinal Pads

PLK1170  
DUAL 4-HOLE 90° TRANSVERSE PAD TEE  
- Pad Width  
- Pad Length  
ORDERING EXAMPLE  
PLK1170D80 L2 E 3  
5" Aluminum Tee with Two, 4"x7", 4-Hole 90° Transverse Pads

PLK1200  
2-HOLE LONGITUDINAL PAD TEE  
- Pad Size  
- Pad Length  
ORDERING EXAMPLE  
PLK1200D32 E1  
2" Aluminum Tee with 2"x5", 2-Hole Longitudinal Pad

PLK1250  
2-HOLE 90° TRANSVERSE PAD TEE  
- Pad Size  
- Pad Length  
ORDERING EXAMPLE  
PLK1250D48 E1  
3" Aluminum Tee with 2"x5", 2-Hole 90° Transverse Pad

PLK1106  
6-HOLE LONGITUDINAL PAD TEE  
- Pad Size  
ORDERING EXAMPLE  
PLK1106D48 E1  
5" Aluminum Tee with 5"x5", 6-Hole Longitudinal Pad

PLK1156  
6-HOLE 90° TRANSVERSE PAD TEE  
- Pad Size  
ORDERING EXAMPLE  
PLK1156D16 E6  
1" Aluminum Tee with 6"x5", 6-Hole 90° Transverse Pad
**ANGLED PAD OPTIONS:**
Copper, 3” pad, EHV and custom angles are available. Visit the product page on DMCPower.com for details.

**4-HOLE TERMINALS**

**PLK1850**
4-HOLE CENTER FORMED PAD TERMINAL
- 345kV
- 500kV
- 3/4”
- Pad Width: 3”
- Weight: ~4 lbs

**PLK1880**
4-HOLE OFFSET PAD TERMINAL
- 345kV
- 500kV
- 3/4”
- Pad Width: 3”
- Weight: ~4 lbs

**ORDERING EXAMPLE**
PLK1850D80 B Pad Width
5" Aluminum Terminal with 4”, 4-Hole Center Formed Pad

**PLK1880D24 A Pad Width**
1-1/2" Aluminum Terminal with 3", 4-Hole Offset Pad

**ANY CONNECTOR. ANY ANGLE.**
Of course we have standard 15°, 30°, 45°, 60°, 75° & 90° angled parts, but what happens when something doesn’t match up exactly as designed, shifts over time or needs to be cut out and replaced?

Because we can custom make each individual connector to your exact specifications, any standard or custom angle combination is possible.

This icon <ANGLES> indicates we have numerous options ready to be machined for the part listed, just call 888-SWAGE-NOW with your specs and let DMC Power take care of the rest.

**CUSTOM SOLUTIONS ANY CONNECTOR. ANY ANGLE.**

90° Angle  75° Angle  60° Angle  45° Angle  Custom Angles
### 2-HOLE TERMINALS

**PLK1855**  
2-HOLE CENTER FORMED PAD TERMINAL  
- **Rated Voltage:** 230kV  
- **Pad Width:** 2"  
- **Weight:** ~3 lbs  

**ORDERING EXAMPLE**  
PLK1855D64  
4" Aluminum Terminal with 2", 2-Hole Center Formed Pad

**PLK1865**  
2-HOLE 45° PAD TERMINAL  
- **Rated Voltage:** 230kV  
- **Pad Width:** 2"  
- **Weight:** ~3 lbs  

**ORDERING EXAMPLE**  
PLK1865D32  
2" Aluminum Terminal with 2", 2-Hole 45° Pad

**PLK1885**  
2-HOLE OFFSET PAD TERMINAL  
- **Rated Voltage:** 230kV  
- **Pad Width:** 2"  
- **Weight:** ~3 lbs  

**ORDERING EXAMPLE**  
PLK1885D24  
1-1/2" Aluminum Terminal with 2", 2-Hole Offset Pad

**PLK1875**  
2-HOLE 90° PAD TERMINAL  
- **Rated Voltage:** 230kV  
- **Pad Width:** 2"  
- **Weight:** ~3 lbs  

**ORDERING EXAMPLE**  
PLK1875D16  
1" Aluminum Terminal with 2", 2-Hole 90° Pad

**PLK1875**  
2-HOLE CENTER FORMED PAD TERMINAL  
- **Rated Voltage:** 230kV  
- **Pad Width:** 2"  
- **Weight:** ~3 lbs  

**ORDERING EXAMPLE**  
PLK1875D16  
1" Aluminum Terminal with 2", 2-Hole 90° Pad

**PLK1886**  
6-HOLE OFFSET PAD TERMINAL  
- **Rated Voltage:** 230kV, 500kV  
- **Pad Width:** 3/4"-6"  
- **Weight:** ~8 lbs  

**ORDERING EXAMPLE**  
PLK1886D80  
5" Aluminum Terminal with 6", 6-Hole Offset Pad

**PLK1856**  
6-HOLE CENTER FORMED PAD TERMINAL  
- **Rated Voltage:** 230kV  
- **Pad Width:** 2"  
- **Weight:** ~7 lbs  

**ORDERING EXAMPLE**  
PLK1856D96A  
6" Aluminum Terminal with 6", 6-Hole Center Formed Pad

---

**NEXT GENERATION ENGINEERING**

From computer simulations and tensile testing to delivering the final AUTOCAD Drawing and Connectors, DMC Power’s in-house engineering and R&D team can design, test and deliver any connector faster than anyone. Contact your local Territory Manager to get your custom project started today.

www.dmcpower.com
**PLK2210**
 SLIP/RIGID FIT SWAGED BUS SUPPORT

| $230kV$ | $7$ lbs |

**ORDERING EXAMPLE**
PLK2210D40 E12
2-1/2" Slip/Rigid Bus Support with 3" & 5" Bolt Circles

---

**PLK22200**
 SLIP FIT BUS SUPPORT

| $345kV$ | $5$ lbs |

**ORDERING EXAMPLE**
PLK22200D56 E3
2-1/2" Slip Fit Bus Support with 7" Bolt Circle

---

**PLK2230**
 SLIP/RIGID FIT BUS SUPPORT

| $345kV$ | $7$ lbs |

**ORDERING EXAMPLE**
PLK2230D32 E12
2" Slip/Rigid Bus Support with 3" & 5" Bolt Circles

---

**PLK3210**
 EHV SLIP/RIGID FIT SWAGED BUS SUPPORT

| $500kV$ | $10$ lbs |

**ORDERING EXAMPLE**
PLK3210D80 E23
5" Slip/Rigid EHV Bus Support with 5" & 7" Bolt Circles

---

**PLK32200**
 EHV SLIP FIT BUS SUPPORT

| $500kV$ | $6$ lbs |

**ORDERING EXAMPLE**
PLK32200D48 E12
3" Slip Fit EHV Bus Support with 3" & 5" Bolt Circles

---

**PLK3230**
 EHV SLIP/RIGID FIT BUS SUPPORT

| $500kV$ | $6$ lbs |

**ORDERING EXAMPLE**
PLK3230D96 E23
6" Slip/Rigid EHV Bus Support with 5" & 7" Bolt Circles

---

**PLK2230 / PLK3230 Bus Support Features**

- **Slip Fit** – Loose fit that allows the bus to slide and expand.
- **Rigid Fit** – Tightly bolted connection that completely eliminates Bus movement.
- **Static Spring** – Used during Slip Fit applications to prevent arcing & reduce Bus chatter.
- **Recessed Bolts** – Allows for one handed, Hex Wrench installation.
PLK2600
BUS TO PAD EXPANSION
230kV
1" – 6"
~17 lbs
ORDERING EXAMPLE
PLK2600D80 E3
5" Bus Expansion to 5", 4-Hole Pad

PLK3600
EHV BUS TO PAD EXPANSION
500kV
3" – 6"
~31 lbs
ORDERING EXAMPLE
PLK3600D56 E2
3-1/2" EHV Bus Expansion to 3", 4-Hole Pad

PLK2810
BUS TO BUS EXPANSION
230kV
1" – 6"
~18 lbs
ORDERING EXAMPLE
PLK2810D16
1" Bus to Bus Expansion

PLK3810
EHV BUS TO BUS EXPANSION
500kV
3" – 6"
~36 lbs
ORDERING EXAMPLE
PLK3810D80
5" EHV Bus to Bus Expansion

PLK2602
CONDENSED BUS TO PAD EXPANSION
230kV
2" – 5"
~13 lbs
ORDERING EXAMPLE
PLK2602D32 E2
2" Condensed Bus Expansion to 3", 4-Hole Pad

PLK2700
EXPANSION SUPPORT
230kV
~23 lbs
ORDERING EXAMPLE
PLK2700D64 E12
4" Bus to Bus Expansion Support with 5" & 5" Bolt Circles

PLK3700
EHV EXPANSION SUPPORT
500kV
~34 lbs
ORDERING EXAMPLE
PLK3700D80 E23
5" EHV Bus to Bus Expansion Support with 5" & 7" Bolt Circle
# Setting Dimensions for Expansion Joints

DMC Power Bus Expansions are designed to expand/contract up to 4.42" through a 315°F temperature range.

The "G" Dimension Movement in the chart below shows the movement range and installation point at a particular temperature. These are based on the assumption that the total length between rigid supports is 90 feet or less.

For more Bus Expansion information, call **888-SWAGE-NOW**.

## Bus Expansion Installation Guide

<table>
<thead>
<tr>
<th>Bus Temp. [°F]</th>
<th>Movement from Median</th>
</tr>
</thead>
<tbody>
<tr>
<td>-65</td>
<td>-2.211</td>
</tr>
<tr>
<td>-60</td>
<td>-2.141</td>
</tr>
<tr>
<td>-50</td>
<td>-2.001</td>
</tr>
<tr>
<td>-40</td>
<td>-1.86</td>
</tr>
<tr>
<td>-30</td>
<td>-1.72</td>
</tr>
<tr>
<td>-20</td>
<td>-1.58</td>
</tr>
<tr>
<td>-10</td>
<td>-1.439</td>
</tr>
<tr>
<td>0</td>
<td>-1.299</td>
</tr>
<tr>
<td>10</td>
<td>-1.158</td>
</tr>
<tr>
<td>20</td>
<td>-1.018</td>
</tr>
<tr>
<td>30</td>
<td>-0.878</td>
</tr>
<tr>
<td>40</td>
<td>-0.737</td>
</tr>
<tr>
<td>50</td>
<td>-0.597</td>
</tr>
<tr>
<td>60</td>
<td>-0.456</td>
</tr>
<tr>
<td>70</td>
<td>-0.316</td>
</tr>
<tr>
<td>80</td>
<td>-0.176</td>
</tr>
<tr>
<td>90</td>
<td>-0.035</td>
</tr>
<tr>
<td>100</td>
<td>0.105</td>
</tr>
<tr>
<td>110</td>
<td>0.246</td>
</tr>
<tr>
<td>120</td>
<td>0.386</td>
</tr>
<tr>
<td>130</td>
<td>0.527</td>
</tr>
<tr>
<td>140</td>
<td>0.667</td>
</tr>
<tr>
<td>150</td>
<td>0.807</td>
</tr>
<tr>
<td>160</td>
<td>0.948</td>
</tr>
<tr>
<td>170</td>
<td>1.088</td>
</tr>
<tr>
<td>180</td>
<td>1.229</td>
</tr>
<tr>
<td>190</td>
<td>1.369</td>
</tr>
<tr>
<td>200</td>
<td>1.509</td>
</tr>
<tr>
<td>210</td>
<td>1.65</td>
</tr>
<tr>
<td>220</td>
<td>1.79</td>
</tr>
<tr>
<td>230</td>
<td>1.931</td>
</tr>
<tr>
<td>240</td>
<td>2.071</td>
</tr>
<tr>
<td>250</td>
<td>2.211</td>
</tr>
<tr>
<td>92.5</td>
<td>0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Bus Expansion Supports</th>
<th>Bus Expansion</th>
<th>Condensed Expansion</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLK2700DxxE12</td>
<td>PLK2600, PLK2601, PLK2610, PLK2701, PLK2810, PLK3600, PLK3601, PLK3610, PLK3701, PLK3810</td>
<td>PLK2602</td>
</tr>
<tr>
<td>PLK2700D80E1</td>
<td>PLK2700D80E23</td>
<td></td>
</tr>
<tr>
<td>PLK3700D80E1</td>
<td>PLK3700D80E23</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Bus Expansion</th>
<th>Movement from Median</th>
</tr>
</thead>
<tbody>
<tr>
<td>16.490</td>
<td>14.690</td>
</tr>
<tr>
<td>16.130</td>
<td>16.130</td>
</tr>
<tr>
<td>18.130</td>
<td>18.130</td>
</tr>
<tr>
<td>11.500</td>
<td>11.500</td>
</tr>
<tr>
<td>2.250</td>
<td>2.250</td>
</tr>
</tbody>
</table>

Median
BUS CONNECTOR ORDERING NOMENCLATURE

**PLKXXX**

1. **BASE CONNECTOR STYLE** (PLK=Standard; CPL=Copper)
2. **MATERIAL CODE** (D=Aluminum; B=Copper)
3. **BUS RUN SIZE** (Use chart below)
4. **OPTIONS** (Second Bus, Angle, Bolt Circle Pattern or NEMA Pad Sizes)

**STANDARD EXAMPLE:**

- **PLK1000**
- **D**
- **16**
- **Bus Splice**
- **Aluminum**
- **1"**

**STANDARD BUS SIZES**

<table>
<thead>
<tr>
<th>DMC Size</th>
<th>Bus Size</th>
<th>Fitting O.D.</th>
<th>D Min.</th>
<th>D Max</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>1&quot;</td>
<td>2.00</td>
<td>1.50</td>
<td>2.00</td>
</tr>
<tr>
<td>24</td>
<td>1-1/2&quot;</td>
<td>2.50</td>
<td>1.50</td>
<td>2.00</td>
</tr>
<tr>
<td>32</td>
<td>2&quot;</td>
<td>3.00</td>
<td>2.00</td>
<td>2.50</td>
</tr>
<tr>
<td>40</td>
<td>2-1/2&quot;</td>
<td>3.75</td>
<td>2.00</td>
<td>2.50</td>
</tr>
<tr>
<td>48</td>
<td>3&quot;</td>
<td>4.37</td>
<td>3.00</td>
<td>3.50</td>
</tr>
<tr>
<td>56</td>
<td>3-1/2&quot;</td>
<td>5.00</td>
<td>3.00</td>
<td>3.50</td>
</tr>
<tr>
<td>64</td>
<td>4&quot;</td>
<td>5.50</td>
<td>3.00</td>
<td>3.50</td>
</tr>
<tr>
<td>80</td>
<td>5&quot;</td>
<td>6.50</td>
<td>5.00</td>
<td>5.75</td>
</tr>
<tr>
<td>96</td>
<td>6&quot;</td>
<td>8.00</td>
<td>6.00</td>
<td>6.75</td>
</tr>
</tbody>
</table>

**STANDARD BOLT CIRCLE DIMENSIONS**

<table>
<thead>
<tr>
<th>Suffix</th>
<th>Circle Radius</th>
<th>Hole Size (8 holes/circle)</th>
<th>Plate Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>E1</td>
<td>3&quot;</td>
<td>9/16&quot; x 13/16&quot;</td>
<td>1/2&quot;</td>
</tr>
<tr>
<td>E2</td>
<td>5&quot;</td>
<td>11/16&quot; x 1-1/16&quot;</td>
<td>1/2&quot;</td>
</tr>
<tr>
<td>E3</td>
<td>7&quot;</td>
<td>13/16&quot; x 1-1/2&quot;</td>
<td>1/2&quot;</td>
</tr>
<tr>
<td>E12</td>
<td>3&quot;</td>
<td>9/16&quot; x 13/16&quot;</td>
<td>3/4&quot;</td>
</tr>
<tr>
<td></td>
<td>5&quot;</td>
<td>11/16&quot; x 1-1/16&quot;</td>
<td></td>
</tr>
<tr>
<td>E23</td>
<td>5&quot;</td>
<td>11/16&quot; x 1-1/16&quot;</td>
<td>3/4&quot;</td>
</tr>
<tr>
<td></td>
<td>7&quot;</td>
<td>13/16&quot; x 1-1/2&quot;</td>
<td></td>
</tr>
<tr>
<td>E123</td>
<td>3&quot;</td>
<td>9/16&quot; x 13/16&quot;</td>
<td>3/4&quot;</td>
</tr>
<tr>
<td></td>
<td>5&quot;</td>
<td>11/16&quot; x 1-1/16&quot;</td>
<td></td>
</tr>
<tr>
<td></td>
<td>7&quot;</td>
<td>13/16&quot; x 1-1/2&quot;</td>
<td></td>
</tr>
</tbody>
</table>

**STANDARD NEMA PAD DIMENSIONS**

- **2" NEMA Pad**
- **3" NEMA Pad**
- **4" NEMA Pad**
- **5" NEMA Pad**
- **6" NEMA Pad**

*Pad length, width and thickness varies with the part. Special sizes may be custom ordered.*
CABLE CONNECTORS

- Aluminum or Copper material
- AAC, ACSR, ACAR, Ropelay, Copper & Metric Cables
- Pre-drilled inspection/weep hole
- Split, EHV and tin-plated versions available
- Custom angles, pads and barrel spacing
- Single Swage installation
- Instant inspection with Go/No-Go Gauge
- No bird caging or bent connectors

STATE OF THE ART SWAGE TECHNOLOGY

Substation customers around the world trust DMC Power’s patented Swage system on their most critical Transmission and Distribution connections.

Once you experience the peace of mind that our superior connection provides and the all-weather, time saving capabilities of our cutting edge design, you’ll never go back to your old way of installing electrical cable connections again.

Cable Swage System Advantages:

- **SAVE TIME**
  Lightweight tool uses just one 360° compression instead of multiple crimps.

- **COMPLETE 360° CONTACT**
  Swaging creates a virtually void free connection and maximizes conductivity by compressing the interior of the fitting around the exterior of the cable.

- **FINISHED PADS**
  Both sides of the extruded aluminum pad can be used equally as a connection surface.

- **TIN PLATING**
  Available on all connectors for use with dissimilar metals and to deter copper theft.

- **SIMPLE ONE-STEP INSPECTION**
  Easily inspect your Swage in seconds with the handheld “Go/No-Go” Inspection Gauge.

- **CUSTOM SOLUTIONS AVAILABLE**
  A wide range of cable configurations and connector types (including Ropelay Cable, metric sizes, copper and EHV rated parts) are available for any type of job.

For those times you need a quick or custom solution, DMC Power is here to help. Our in-house engineering, R&D, manufacturing and testing teams will develop and deliver exactly what you need faster than anyone else.

Cable Connector Qualifications

<table>
<thead>
<tr>
<th>Standard</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSI C119.4</td>
<td>Tensile: 30%-53% (Min/Max) of conductor strength, 5% required for Class 3 connectors</td>
</tr>
<tr>
<td>Current Cycle</td>
<td>Current Cycle: 500 cycles (class A); met all thermal &amp; resistance requirements</td>
</tr>
<tr>
<td>Pre-existing Cable</td>
<td>After tapping into run, Swaged cable retained 90% of rated strength</td>
</tr>
<tr>
<td>ASTM B117</td>
<td>Salt Fog: 1,000 hours passed</td>
</tr>
<tr>
<td>NEMA CC1</td>
<td>RIV/Corona: Up to 500 kW with factor of safety on applicable fittings</td>
</tr>
<tr>
<td></td>
<td>Temp Rise &amp; Resistance: Runs cooler than cable at 100%, 125% &amp; 150% of ratings requirements</td>
</tr>
<tr>
<td>Customer Requirements</td>
<td>Short Circuit Tests: Pass 3 second short-time &amp; 15 cycle peak withstand tests</td>
</tr>
</tbody>
</table>
Many of our connectors have alternative part numbers for different standard pad widths. Look for this icon underneath the item to see the alternative pad size and standard part number. Of course ANY custom pad configuration can be designed, so if you don’t see it just ask!
CPLK9440 4-HOLE CENTER FORMED PAD TERMINAL

- Voltage: 230kV
- Pad: 3/4" up to 3/4"
- Weight: ~5 lbs
- 

ORDERING EXAMPLE
CPLK9440D00020
2/0 Aster ACC Barrel to 4", 4-Hole Center Formed Pad; Aluminum

CPLK9442 4-HOLE OFFSET PAD TERMINAL

- Voltage: 345kV
- Pad: 3/4" up to 3/4"
- Weight: ~5 lbs
- 

ORDERING EXAMPLE
CPLK9442D13515
1272 Bittern ACSR Barrel to 4", 4-Hole Offset Pad; Aluminum

CPLK9444 4-HOLE 45° PAD TERMINAL

- Voltage: 345kV
- Pad: 3/4" up to 3/4"
- Weight: ~5 lbs
- 

ORDERING EXAMPLE
CPLK9444D07500
750 Cattail AAC Barrel to 4", 4-Hole 45° Pad; Aluminum

CPLK9449 4-HOLE 90° PAD TERMINAL

- Voltage: 230kV
- Pad: 3/4" up to 3/4"
- Weight: ~5 lbs
- 

ORDERING EXAMPLE
CPLK9449D22500
2167 Kiwi ACSR Barrel to 4", 4-Hole 90° Pad; Aluminum

ALSO AVAILABLE:
Copper, EHV, custom pads, angles and other configurations available. Visit the product page on DMCPower.com for details.

CPLK9445 4-HOLE 15° PAD TERMINAL

CPLK9987 LONG BARREL TO 4-HOLE 45° PAD TERMINAL

CPLK9945 DUAL BARRELS TO 4-HOLE 15° OFFSET PAD TERMINAL

CPLK9984 EXTENDED 4-HOLE 90° PAD TERMINAL

SUPERIOR DESIGN
DMC Power manufactures our pads from extruded aluminum to meet and exceed NEMA Pad standards. What makes ours different?

- Machined for perfect flatness
- Smooth surface finish = greater amount of contact points
- Thicker, oversized factor of safety
- Runs cooler
- Increased ampacity
- Greater resistance to fatigue
- Custom sizes, hole placement, barrel angles and mounting positions
- NEMA Pad EHV Bolt Shields (PLK8000) also available

ITS ALL ABOUT THE PADS
DMC Connector (center)
**CPLK9642**
**DUAL BARRELS TO 4-HOLE OFFSET PAD TERMINAL**
- **345kV**
- **3”/4”**
- **~6 lbs**

**ORDERING EXAMPLE**
CPLK9642D12720
Dual 1192.5 Bunting ACSR Barrels to 4”, 4-Hole Offset Pad; Aluminum

**CPLK9649**
**DUAL BARRELS TO 4-HOLE 90° PAD TERMINAL**
- **Up to 230kV**
- **3”/4”**
- **~6 lbs**

**ORDERING EXAMPLE**
CPLK9649D22500
Dual 2156 Bluebird ACSR Barrels to 4”, 4-Hole 90° Pad; Aluminum

**CPLK9982**
**TRIPLE BARRELS TO 4-HOLE OFFSET PAD TERMINAL**
- **345kV**
- **4”/6”**
- **~9 lbs**

**ORDERING EXAMPLE**
CPLK9982D13515
Three 1351.5 Columbine AAC Barrels to 4”, 4-Hole Offset Pad; Aluminum

**CL702**
**PARALLEL CABLE SPACER**
- **500kV**
- **~3 lbs**

**ORDERING EXAMPLE**
CL702D09540-8
Dual 954 Magnolia AAC Cables Spaced 8”; Aluminum

**CL714**
**PARALLEL CABLE SPACER TO TRANSVERSE 4-HOLE PAD**
- **Up to 500kV**
- **3”/4”**
- **~5 lbs**

**ORDERING EXAMPLE**
CL714D22500-18
Dual 2167 Kiwi ACSR Cables Spaced 18” with 4”, 4-Hole Transverse Pad; Aluminum

**CL715**
**CABLE SPACER TO LONGITUDINAL PAD**

**CL773**
**TRIFURCATING CABLE SPACER**

### COPPER CABLE CONNECTORS
All DMC Power cable connectors can be manufactured out of pure copper, with the exact same specifications and standards that meet or exceed our Aluminum ratings. This is the perfect solution when using copper conductors in coastal/high corrosive areas or to achieve higher ampacity. Look for this icon underneath the main item for the copper cable base part number and use the chart at the bottom of page 30 to find the connector identifier number used to complete the fitting.

**www.dmcpower.com**
Because DMC Power manufactures everything from scratch based on your requirements, it’s impossible for us to list the tens of thousands of different connectors and configurations possible in this catalog. If you’re looking for Metric sizes, Ropelay Cable or any other custom configuration, just call us at 888-SWAGE-NOW and let our in-house Engineering department do the work for you!
Why bolt pads together when you can have an all-in-one connection? Bolted connections require additional re-tightening, inspection and may lead to hot spots at the pad. Our CL style of Bus-to-Cable connectors are designed, machined and welded together to be a seamless connection between the two distinct styles. Any option you can think of is possible - go to DMCPower.com for a more complete listing.
**ORDERING EXAMPLE**

**CEHV9440**
EHV 4-HOLE CENTER FORMED PAD TERMINAL

- **Up to 345kV**
- **~2 lbs**

**ORDERING EXAMPLE**

**CEHV9440D12720**
1272 Narcissus AAC Barrel to 4”.
4-Hole Center Formed Pad; EHV

**ORDERING EXAMPLE**

**CEHV9442**
EHV 4-HOLE OFFSET PAD TERMINAL

- **Up to 500kV**
- **~6 lbs**

**ORDERING EXAMPLE**

**CEHV9442D22500**
2156 Bluebird ACSR Barrel to 4”,
4-Hole Offset Pad; EHV

**ORDERING EXAMPLE**

**CEHV9444**
EHV 4-HOLE 45° PAD TERMINAL

- **Up to 500kV**
- **~6 lbs**

**ORDERING EXAMPLE**

**CEHV9444D10000**
1000 Hawkweed AAC Barrel to 4”,
4-Hole 45° Pad; EHV

**ORDERING EXAMPLE**

**CEHV9642**
EHV DUAL BARRELS TO 4-HOLE CENTER FORMED PAD TERMINAL

- **Up to 500kV**
- **~10 lbs**

**ORDERING EXAMPLE**

**CEHV9642D22500**
Dual 2250 Sagebrush AAC Barrels to 4”,
4-Hole Center Formed Pad; EHV

**ORDERING EXAMPLE**

**CEHV9644**
EHV DUAL BARRELS TO 4-HOLE 45° PAD TERMINAL

- **Up to 500kV**
- **~11 lbs**

**ORDERING EXAMPLE**

**CEHV9644D22500**
Dual 2156 Bluebird ACSR Barrels to 4”,
4-Hole 45° Pad; EHV

**ORDERING EXAMPLE**

**CEHV9649**
EHV DUAL BARRELS TO 4-HOLE 90° PAD TERMINAL

- **Up to 500kV**
- **~12 lbs**

**ORDERING EXAMPLE**

**CEHV9649D09540**
Dual 900 Ruddy ACSR Barrels to 4”,
4-Hole 90° Pad; EHV

• Bolt shields and corona rings are available
• Check with factory on cable sizes, spacing and for special EHV applications

**EXTRA HIGH VOLTAGE RATINGS**

Many of our Cable and Bus connectors have EHV equivalents rated up to 500kV and 765kV.

• **Tested Corona free**
• **Reduced power loss and radio noise**
• **Pre-drilled weep holes and high quality surface finish**
• **Designed-in shielding rings with generous mass & radii for high ampacity and voltage**

Look for this symbol below the parts to know they are rated for certain EHV applications or let us design a custom EHV connector for your specific needs.
PROTECT YOUR INVESTMENT WITH TIN PLATING

No matter if you’re ordering a 6” aluminum bus expansion or a #6 gauge copper ground splice, DMC Power can plate it all - and fast. Our tin plating process:

• Dramatically reduces the effects of oxidization, especially in extreme weather environments
• Keeps conductivity high so more power is pushed through the smooth, clean surface
• Improves connector longevity
• Allows for the joining of two dissimilar metals
• Helps deter theft by eliminating visible copper

Our most popular tin plated items have this icon next to them, but anything is possible. Insert a “T” at the end of the complete part number when ordering (ex: CPLK9442D04500T) and leave the rest up to us.
CABLE CONNECTOR SIZE SELECTION CHART

BUILDING THE PERFECT CONNECTOR

Our connectors are designed to fit the exact diameter of the cable being used. This precision ensures that the level of compression and contact between the cable, the connector and the inner strands of cable are at the highest possible value.

Selecting the properly sized connector and corresponding Swage Tooling couldn’t be easier. Simply follow steps 1 & 2 in the chart below to find the 5-digit Connector Identifier Number used in our standard connector ordering nomenclature on page 30. Based on that number, step 3 will list which head assembly size is required to install that particular connector O.D.

Call our customer service team at 888-SWAGE-NOW if you have questions about selecting your connector or for other cable types and sizes not listed.

<table>
<thead>
<tr>
<th>AAC CONDUCTOR</th>
<th>ACSR CONDUCTOR</th>
<th>Connector Identifier Number</th>
<th>HEAD ASSEMBLY*</th>
<th>O.D.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SIZE (kcmil)</td>
<td>STR (Al/St)</td>
<td>CODE WORD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>7/w</td>
<td>Peachbell</td>
<td>#6 6/1 Turkey</td>
<td>00006</td>
</tr>
<tr>
<td>#4</td>
<td>7/w</td>
<td>Rose</td>
<td>#5 6/1 Thrush</td>
<td>00004</td>
</tr>
<tr>
<td>#2</td>
<td>7/w</td>
<td>Iris</td>
<td>#4 6/1 Swan</td>
<td>00002</td>
</tr>
<tr>
<td>#1</td>
<td>7/w</td>
<td>Pansey</td>
<td>#2 6/1 Sparrow</td>
<td>00001</td>
</tr>
<tr>
<td>1/0</td>
<td>7/w</td>
<td>Poppy</td>
<td>#1 6/1 Swanate</td>
<td>00010</td>
</tr>
<tr>
<td>2/0</td>
<td>7/w</td>
<td>Aster</td>
<td>1/0 6/1 Raven</td>
<td>00020</td>
</tr>
<tr>
<td>3/0</td>
<td>7/w</td>
<td>Phlox</td>
<td>2/0 6/1 Quail</td>
<td>00030</td>
</tr>
<tr>
<td>4/0</td>
<td>7/w</td>
<td>Oxlip</td>
<td>3/0 6/1 Pigeon</td>
<td>00040</td>
</tr>
<tr>
<td>250.0</td>
<td>7/w</td>
<td>Sneezewort</td>
<td>4/0 6/1 Penguin</td>
<td>02500</td>
</tr>
<tr>
<td>266.8</td>
<td>7/w</td>
<td>Daisy</td>
<td>18/1 Waxwing</td>
<td>02668</td>
</tr>
<tr>
<td>300.0</td>
<td>19/w</td>
<td>Laurel</td>
<td>26/7 Partridge</td>
<td>03000</td>
</tr>
<tr>
<td>336.4</td>
<td>19/w</td>
<td>Tulip</td>
<td>30/7 Ostrich</td>
<td>03500</td>
</tr>
<tr>
<td>350.0</td>
<td>19/w</td>
<td>Daffodil</td>
<td>18/1 Merlin</td>
<td>03975</td>
</tr>
<tr>
<td>397.5</td>
<td>19/w</td>
<td>Canna</td>
<td>30/7 Oriole</td>
<td>03975</td>
</tr>
<tr>
<td>450.0</td>
<td>19/w</td>
<td>Goldentuft</td>
<td>397.5 18/1 Chickadee</td>
<td>04500</td>
</tr>
<tr>
<td>477.0</td>
<td>19/w</td>
<td>Cosmos</td>
<td>24/7 Brant</td>
<td>04770</td>
</tr>
<tr>
<td>500.0</td>
<td>37/w</td>
<td>Syringa</td>
<td>30/7 Lark</td>
<td>05000</td>
</tr>
<tr>
<td>556.5</td>
<td>37/w</td>
<td>Hyacinth</td>
<td>18/1 Pelican</td>
<td>05565</td>
</tr>
<tr>
<td></td>
<td>19/w</td>
<td>Dahlia</td>
<td>24/7 Flicker</td>
<td>05562</td>
</tr>
<tr>
<td></td>
<td>37/w</td>
<td>Misletoe</td>
<td>26/7 Hawk</td>
<td>05565</td>
</tr>
<tr>
<td>AAC CONDUCTOR</td>
<td></td>
<td>ACSR CONDUCTOR</td>
<td></td>
<td>Connector Identifier Number</td>
</tr>
<tr>
<td>---------------</td>
<td>---------------</td>
<td>---------------</td>
<td>-----------------</td>
<td>----------------</td>
</tr>
<tr>
<td>SIZE (kcmil)</td>
<td>STR (Al/St)</td>
<td>CODE WORD</td>
<td>SIZE (kcmil)</td>
<td>STR (# Wires)</td>
</tr>
<tr>
<td>600.0</td>
<td>37/w</td>
<td>Meadowsweet</td>
<td>477.0</td>
<td>30/7</td>
</tr>
<tr>
<td>636.0</td>
<td>37/w</td>
<td>Orchid</td>
<td>556.5</td>
<td>24/7</td>
</tr>
<tr>
<td>700.0</td>
<td>37/w</td>
<td>Verbena</td>
<td>636.0</td>
<td>18/1</td>
</tr>
<tr>
<td>61/w</td>
<td>Flag</td>
<td></td>
<td></td>
<td>36/1</td>
</tr>
<tr>
<td>715.5</td>
<td>37/w</td>
<td>Violet</td>
<td>605.0</td>
<td>24/7</td>
</tr>
<tr>
<td>61/w</td>
<td>Nasturtium</td>
<td></td>
<td></td>
<td>26/7</td>
</tr>
<tr>
<td>750.0</td>
<td>37/w</td>
<td>Petunia</td>
<td>605.0</td>
<td>30/7</td>
</tr>
<tr>
<td>61/w</td>
<td>Cattail</td>
<td></td>
<td></td>
<td>30/19</td>
</tr>
<tr>
<td>795.0</td>
<td>37/w</td>
<td>Arbutus</td>
<td>636.0</td>
<td>24/7</td>
</tr>
<tr>
<td>61/w</td>
<td>Lilac</td>
<td></td>
<td></td>
<td>30/7</td>
</tr>
<tr>
<td>874.5</td>
<td>37/w</td>
<td>Anemone</td>
<td>666.6</td>
<td>30/19</td>
</tr>
<tr>
<td>61/w</td>
<td>Crocus</td>
<td></td>
<td></td>
<td>26/7</td>
</tr>
<tr>
<td>900.0</td>
<td>37/w</td>
<td>Cockscomb</td>
<td>795.0</td>
<td>24/7</td>
</tr>
<tr>
<td>61/w</td>
<td>Snapdragon</td>
<td></td>
<td></td>
<td>36/1</td>
</tr>
<tr>
<td>954.0</td>
<td>37/w</td>
<td>Magnolia</td>
<td>900.0</td>
<td>45/7</td>
</tr>
<tr>
<td>61/w</td>
<td>Goldenrod</td>
<td></td>
<td></td>
<td>45/7</td>
</tr>
<tr>
<td>1000.0</td>
<td>37/w</td>
<td>Hawkweed</td>
<td>874.5</td>
<td>54/7</td>
</tr>
<tr>
<td>61/w</td>
<td>Camellia</td>
<td></td>
<td></td>
<td>54/7</td>
</tr>
<tr>
<td>1033.5</td>
<td>37/w</td>
<td>Bluebell</td>
<td>954.0</td>
<td>54/7</td>
</tr>
<tr>
<td>61/w</td>
<td>Larhkspur</td>
<td></td>
<td></td>
<td>45/7</td>
</tr>
<tr>
<td>1113.0</td>
<td>61/w</td>
<td>Marigold</td>
<td>1033.5</td>
<td>45/7</td>
</tr>
<tr>
<td>1192.5</td>
<td>61/w</td>
<td>Hawthorn</td>
<td>1113.0</td>
<td>54/19</td>
</tr>
<tr>
<td>1272.0</td>
<td>61/w</td>
<td>Narcissus</td>
<td>1192.5</td>
<td>45/7</td>
</tr>
<tr>
<td>1351.5</td>
<td>61/w</td>
<td>Columbine</td>
<td>1272.0</td>
<td>45/7</td>
</tr>
<tr>
<td>1431.0</td>
<td>61/w</td>
<td>Carnation</td>
<td>1351.5</td>
<td>54/19</td>
</tr>
<tr>
<td>1510.5</td>
<td>61/w</td>
<td>Gladiolus</td>
<td>1431.0</td>
<td>54/19</td>
</tr>
<tr>
<td>1590.0</td>
<td>61/w</td>
<td>Coreopsis</td>
<td>1510.5</td>
<td>54/19</td>
</tr>
<tr>
<td>1750.0</td>
<td>61/w</td>
<td>Jessamine</td>
<td>1590.0</td>
<td>45/7</td>
</tr>
<tr>
<td>2000.0</td>
<td>91/w</td>
<td>Cowslip</td>
<td>1750.0</td>
<td>45/7</td>
</tr>
<tr>
<td>2250.0</td>
<td>91/w</td>
<td>Sagebrush</td>
<td>2156.0</td>
<td>45/7</td>
</tr>
<tr>
<td>2303.5</td>
<td>91/w</td>
<td></td>
<td>2167.0</td>
<td>72/7</td>
</tr>
<tr>
<td>2500.0</td>
<td>91/w</td>
<td>Lupine</td>
<td>2312.0</td>
<td>76/19</td>
</tr>
<tr>
<td>3000.0</td>
<td>127/w</td>
<td>Trillium</td>
<td>2320.0</td>
<td>54/19</td>
</tr>
<tr>
<td>3500.0</td>
<td>127/w</td>
<td>Bluebonnet</td>
<td>35000</td>
<td>54/19</td>
</tr>
<tr>
<td>4326.9</td>
<td>127/w</td>
<td>Nightshade</td>
<td>43269</td>
<td>54/19</td>
</tr>
</tbody>
</table>

*DLT58- Heads Assemblies use the DLT58MAPW0000 Power Unit; DLT45- Head Assemblies use the DLT45MAPW0000 Power Unit
**Cable Connector Ordering Nomenclature**

1. **Base Connector Style**
   - CPLK = Standard; CL = Special; CBLR = Ropelay; CCL = Copper; CM = Cable Metric

2. **Material Code**
   - D = Aluminum; B = Copper

3. **Connector Identifier Number**
   - (Cable = 5 digits, see page 28 & 29; Bus = 2 digits, see right)

4. **Second Connector Identifier Number**
   - (Optional - for Tap Sizes, Bolt Circles & Cable Spacing)

5. **Finish**
   - (S = Bare Aluminum / Copper; T = Tin Plated)

---

**Copper Cable Size Selection Chart**

- The Connector Identifier Numbers listed below should only be used with copper cable conductors.
- Every aluminum connector can be designed into a copper equivalent; contact DMC Power for details.

**Standard Example:**
- Bare Aluminum 2-Hole 90° Terminal
- #6 Peachbell AAC Cable
- 500 Cable

**Bus to Cable Example:**
- CL400 D 64 – 11130 T
  - Bus to Cable Coupler
  - 4" Bus Run
  - 1033 5 Curlew ACSR Cable
  - Tin Plated

**Copper Cable Example:**
- CCL942 B 04500 T
  - Copper 4-Hole Offset Terminal
  - 450/AWG Copper Cable
  - Tin Plated

---

**Cable Connector Orderig Nomenclature**

- **CPLKXXXX**
- **D**
- **XXXXX** – **XXXXX**
- **X**

**Bus Sizes**

<table>
<thead>
<tr>
<th>DMC Size</th>
<th>Pipe Size</th>
<th>Fitting O.D.</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>3/4&quot;</td>
<td>2.000</td>
</tr>
<tr>
<td>16</td>
<td>1&quot;</td>
<td>2.000</td>
</tr>
<tr>
<td>20</td>
<td>1-1/4&quot;</td>
<td>2.500</td>
</tr>
<tr>
<td>24</td>
<td>1-1/2&quot;</td>
<td>2.500</td>
</tr>
<tr>
<td>32</td>
<td>2&quot;</td>
<td>3.000</td>
</tr>
<tr>
<td>40</td>
<td>2-1/2&quot;</td>
<td>3.750</td>
</tr>
<tr>
<td>48</td>
<td>3&quot;</td>
<td>4.375</td>
</tr>
<tr>
<td>56</td>
<td>3-1/2&quot;</td>
<td>5.000</td>
</tr>
<tr>
<td>64</td>
<td>4&quot;</td>
<td>5.500</td>
</tr>
<tr>
<td>80</td>
<td>5&quot;</td>
<td>6.500</td>
</tr>
<tr>
<td>96</td>
<td>6&quot;</td>
<td>8.000</td>
</tr>
</tbody>
</table>

**Bare Copper Conductor**

<table>
<thead>
<tr>
<th>Size (AWG / kcmil)</th>
<th>STR</th>
<th>Connector Identifier Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/0</td>
<td>19</td>
<td>00010</td>
</tr>
<tr>
<td>2/0</td>
<td>19</td>
<td>00020</td>
</tr>
<tr>
<td>3/0</td>
<td>19 &amp; 37</td>
<td>00030</td>
</tr>
<tr>
<td>4/0</td>
<td>19</td>
<td>00040</td>
</tr>
<tr>
<td>250</td>
<td>19 &amp; 37</td>
<td>02500</td>
</tr>
<tr>
<td>300</td>
<td>37</td>
<td>03000</td>
</tr>
<tr>
<td>350</td>
<td>37</td>
<td>03500</td>
</tr>
<tr>
<td>400</td>
<td>37</td>
<td>04000</td>
</tr>
<tr>
<td>450</td>
<td>19</td>
<td>04500</td>
</tr>
<tr>
<td>500</td>
<td>37 &amp; 61</td>
<td>05000</td>
</tr>
</tbody>
</table>

**Bare Copper Conductor**

<table>
<thead>
<tr>
<th>Size (AWG / kcmil)</th>
<th>STR</th>
<th>Connector Identifier Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>600</td>
<td>61</td>
<td>06000</td>
</tr>
<tr>
<td>650</td>
<td>37</td>
<td>06500</td>
</tr>
<tr>
<td>700</td>
<td>61</td>
<td>07000</td>
</tr>
<tr>
<td>750</td>
<td>61 &amp; 91</td>
<td>07500</td>
</tr>
<tr>
<td>800</td>
<td>61</td>
<td>08000</td>
</tr>
<tr>
<td>900</td>
<td>37</td>
<td>09000</td>
</tr>
<tr>
<td>1000</td>
<td>61 &amp; 91</td>
<td>10000</td>
</tr>
<tr>
<td>1250</td>
<td>91 &amp; 127</td>
<td>12500</td>
</tr>
<tr>
<td>1500</td>
<td>91 &amp; 127</td>
<td>15000</td>
</tr>
<tr>
<td>1750</td>
<td>61 &amp; 127</td>
<td>17500</td>
</tr>
<tr>
<td>2000</td>
<td>127 &amp; 169</td>
<td>20000</td>
</tr>
</tbody>
</table>
Our in-house engineering, test lab and manufacturing facilities allow DMC Power to move fast and deliver quick turn jobs before most companies will even give you a response. Our flexibility and ability to make any part, of any size and any dimension is an advantage you simply won’t find anywhere else.

IF YOU NEED IT, WE CAN BUILD IT.

- Custom designed fittings for any size job
- Quick turn-around time
- Low minimum order quantity
- Worldwide shipping

THESE ARE JUST A FEW OF THE CUSTOM CONNECTORS WE’VE BUILT FOR OUR CUSTOMERS:
STATE-OF-THE-ART RADIAL SWAGE TECHNOLOGY

CONNECTIONS THAT BREAK THE MOLD

Electrical utilities, wind and solar farms, large scale grounding projects and countless industrial projects around the world trust the tested strength and technology of the DMC Power Swage System.

Designed to meet and exceed the rigorous testing requirements of IEEE 837, our robust grounding connectors give your projects a lifetime of worry free connections and a permanent low-resistance path to ground, no matter the weather or soil conditions.

Discover the DMC Power Difference

- **ULTIMATE PERFORMANCE**
  Made with C11000 electrolytic, unrecycled copper and the ability to carry the equivalent current (or greater) of the conductor, our connectors have conductivity ratings at 101% IACS, ensuring your substation has the highest level of performance and reliability possible.

- **FAST & CONVENIENT**
  All-weather operation reduces setup time and costly delays. Besides our tooling and connectors, no additional installation equipment, extra material, molds or shots are required.

- **VERSATILE TOOLING**
  Depending on the O.D., the same Power Unit & Head Assembly used with our Grounding Connectors can also be used with our line of Cable Connectors.

- **SAFE & RELIABLE**
  Push-button operation is simple, consistent and repeatable. Cold compression Swaging requires no special protective gear by eliminating heat, open flames and toxic fumes.

- **INSTANTLY INSPECTABLE**
  Confirming Swage results couldn’t be easier; our “Go/No-Go” Inspection Gauge measures the Swage instantly, leaving you more time to get the job done.

Can’t Find What You Need?

Our connectors are available in a variety of sizes to fit most any situation, but when a custom solution is needed, turn to DMC Power. Our in-house team can design, test and manufacture connectors to fit any specification or use, all under one roof at our ISO 9001:2008 certified facility.
GC910 1-HOLE OFFSET PAD TERMINAL
- Size: 1" - 2"
- Weight: ~1 lbs
- Copper/Tin Plating

ORDERING EXAMPLE
GC910B02GT
#2 AWG Barrel to 1", 1-Hole Offset Pad; Tin-Plated

GC920 2-HOLE OFFSET PAD TERMINAL
- Size: 1" - 2"
- Weight: ~1¼ lbs
- Copper/Tin Plating

ORDERING EXAMPLE
GC920B100T
1000 MCM Barrel to 2", 2-Hole Offset Pad; Tin-Plated

GC929 NO-HOLE OFFSET PAD TERMINAL
- Size: 1" - 2"
- Weight: ~1¼ lbs
- Copper/Tin Plating

ORDERING EXAMPLE
GC929B030T
300 MCM Barrel to 1-3/4", No-Hole Offset Pad; Tin-Plated

GC909 2-HOLE 90° PAD TERMINAL
- Size: 2"
- Weight: ~1¼ lbs
- Copper/Tin Plating

ORDERING EXAMPLE
GC909B050
500 MCM Barrel to 2", 2-Hole 90° Pad

GC922 2-HOLE OFFSET PAD DUAL CABLE TERMINAL
- Size: 1" - 2"
- Weight: ~1¼ lbs
- Copper/Tin Plating

ORDERING EXAMPLE
GC922B004-004T
4/0 AWG Dual Cable Barrel to 1-3/4", 2-Hole Offset Pad; Tin-Plated

GC912 1-HOLE OFFSET PAD DUAL CABLE TERMINAL
- Size: 1" - 2"
- Weight: ~1 lbs
- Copper/Tin Plating

ORDERING EXAMPLE
GC912B050-050T
500 MCM Dual Cable Barrel to 2", 1-Hole Offset Pad; Tin-Plated

WHY TAKE A CHANCE WITH CRITICAL UTILITY INFRASTRUCTURE?

SWAGED
Wire strands become cold-welded to the connector creating a superior connection without the heat!

CRIMP
EXOTHERMIC

www.dmcpower.com
SIMPLIFY YOUR GROUND GRID USING 3 CONNECTORS

DMC Power Grounding connectors can be used in a variety of ways beyond their intended purpose. In fact, many customers have completed their entire grid with only the 3 parts on the following page:

**ORDERING EXAMPLE**

**GC733**

**GC733B025-500**

Tee with 250 MCM Split Run and 1/2" Ground Rod Tap

**GC731**

**GC731B002-025**

Tee with 2 AWG Thru Run and 250 MCM Tap

**GC741**

**GC741B025-002**

Cross with 250 MCM Thru Run and two, 2/0 AWG Taps

**GC742**

**GC742B003-003**

Offset Cross with 3/0 AWG and 3/0 AWG Split Runs

Visit [DMCPOWER.com](http://www.DMCPOWER.com) to see additional Cross, Tee and Elbow connector styles.
### GC739 SPLIT RUN ELBOW

- **Ordering Example**: GC739B004-050
  - Elbow with 4/0 AWG Split Thru Run and 500 MCM Tap

### GC736 THRU RUN ELBOW

- **Ordering Example**: GC736B02G-02G
  - Elbow with #2 AWG Thru Run and #2 AWG Tap

### GC739 SPLIT RUN ELBOW

- **Ordering Example**: GC739B004-050
  - Elbow with 4/0 AWG Split Thru Run and 500 MCM Tap

### GC736 THRU RUN ELBOW

- **Ordering Example**: GC736B02G-02G
  - Elbow with #2 AWG Thru Run and #2 AWG Tap

### GC759 OFFSET DUAL SPLIT ELBOW

- **Ordering Example**: GC759B003-025
  - Offset Elbow with 3/0 AWG and 250 MCM Split Thru Runs

### GC749 OFFSET SPLIT AND THRU RUN ELBOW

- **Ordering Example**: GC749B002-050
  - Offset Elbow with 2/0 AWG Split Thru Run and 500 MCM Thru Run

### GC888 / GC721 SPLIT PARALLEL

- **Parallels**
  - Cross
  - Tee

### GC739 SPLIT ELBOW

- **Elbow**
  - TEE
  - GROUND RODS

### GC759 DUAL SPLIT OFFSET CROSS

- **Elbow**
  - GROUND RODS
  - RISER
  - OFFSET SPLIT CROSS

---

**www.dmcpower.com**
YOUR ONE STOP GROUND SOLUTION

DMC Power supplies all styles of high quality connectors needed to complete your grounding grid. With the push of a button on our lightweight tooling you can connect ground cables and rods in as little as 10 seconds. Trust the DMC Power Swage System for safe, repeatable, instantly inspectable and proven ground connections.

1. **GC920** – 2-Hole Terminal
2. **GC910** – 1-Hole Terminal
3. **GC740** – 4-Tap Cross
4. **GC729** – 2-Tap Elbow
5. **GC731** – Thru Run Tee
6. **GC721** – Split Parallel
7. **GC743** – Offset Split Elbow
8. **GC739** – Split Run Elbow
9. **GC759** – Offset Dual Split Elbow
10. **GC736** – Thru Run Elbow
11. **GC720** – Splice
12. **GC741** – Thru Run Cross
13. **GC730** – 3-Tap Tee
14. **GC746** – Alternate Thru Run Tee
15. **GC733** – Split Run Tee
16. **GC740** – 4-Tap Cross
17. **GC760** – Fence Post Connector
18. **GC888** – Reduced Split Parallel
**GC765**
FENCE POST CONNECTOR TO NEMA PAD

- 3 lbs
- Copper Tin Plating

**ORDERING EXAMPLE**
GC765B 32-000-920 T
2" Fence Post Bracket to a Right Aligned 2-Hole NEMA Pad; Tin-Plated

---

**GC762**
SWINGING GATE CONNECTOR

- 5½ lbs
- Copper Tin Plating

**ORDERING EXAMPLE**
GC762B24-64-002 D T
1-1/2" Swinging Gate Frame to 4" Gate Post with Dual 2/0 AWG Splices; Tin-Plated

---

**GC760**
FENCE POST CONNECTOR

- 4 lbs
- Copper Tin Plating

**ORDERING EXAMPLE**
GC760B 40-002-002 T
2-1/2" Fence Post Bracket to Dual 1/0 AWG Splices

---

**GC761**
FENCE POST CONNECTOR WITH SLOTTED BOLT

- 1½ lbs
- Copper Tin Plating

**ORDERING EXAMPLE**
GC761B 24-02G
1-1/2" Fence Post Bracket to #2 AWG Slotted Bolt

---

www.dmcpower.com
## GROUNDING CABLE AND ROD IDENTIFIER NUMBERS

- Any combination of wire and/or rod connector is available
- The largest designator determines the part OD
- Consult DMC Power for Metric Rods and Rebar identifier code

### Copper Cable (Ref. ASTM B8)

<table>
<thead>
<tr>
<th>Bare Stranded Copper Size (AWG/kcmil) Solid Wire</th>
<th>Dead Soft Annealed Copperweld (Stranding/AWG)</th>
<th>Bare Stranded Copper Size (mm²) SI/Metric</th>
<th>Connector Identifier Number</th>
<th>Connector O.D. (±0.015)</th>
</tr>
</thead>
<tbody>
<tr>
<td>#6 AWG</td>
<td>1/#6</td>
<td>10.8 &amp; 12.6</td>
<td>06G</td>
<td>1.00 for parallel</td>
</tr>
<tr>
<td>#4 AWG</td>
<td>1/#4 &amp; 3/#10</td>
<td>14.1, 16, 17.8 &amp; 19.6</td>
<td>04G</td>
<td>1.25</td>
</tr>
<tr>
<td>#2 AWG</td>
<td>1/#2, 3/#8, 3/#9 &amp; 7/#10</td>
<td>22, 25, 27.6, 29.2, 34.4 &amp; 35</td>
<td>02G</td>
<td>2.00 for parallel</td>
</tr>
<tr>
<td>1/0 AWG</td>
<td>3/#5, 3/#6 &amp; 3/#7</td>
<td>48.3 &amp; 50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2/0 AWG</td>
<td>7/#8 &amp; 7/#9</td>
<td>70 &amp; 74.9</td>
<td>002</td>
<td></td>
</tr>
<tr>
<td>3/0 AWG</td>
<td>7/#7 &amp; 7/#6</td>
<td>83.6, 93.3 &amp; 95</td>
<td>003</td>
<td></td>
</tr>
<tr>
<td>4/0 AWG</td>
<td>7/#5</td>
<td>96.8, 116 &amp; 120 (Compacted Wires)</td>
<td>004</td>
<td></td>
</tr>
<tr>
<td>250 MCM</td>
<td>19/#9</td>
<td>120 &amp; 134</td>
<td>025</td>
<td>2.00 for parallel</td>
</tr>
<tr>
<td>#4 AWG</td>
<td>1/#4 &amp; 3/#10</td>
<td>14.1, 16, 17.8 &amp; 19.6</td>
<td>04G</td>
<td></td>
</tr>
<tr>
<td>#2 AWG</td>
<td>1/#2, 3/#8, 3/#9 &amp; 7/#10</td>
<td>22, 25, 27.6, 29.2, 34.4 &amp; 35</td>
<td>02G</td>
<td></td>
</tr>
<tr>
<td>1/0 AWG</td>
<td>3/#5, 3/#6 &amp; 3/#7</td>
<td>38.2, 48.3 &amp; 50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2/0 AWG</td>
<td>7/#8 &amp; 7/#9</td>
<td>70 &amp; 74.9</td>
<td>002</td>
<td></td>
</tr>
<tr>
<td>3/0 AWG</td>
<td>7/#7 &amp; 7/#6</td>
<td>83.6, 93.3 &amp; 95</td>
<td>003</td>
<td></td>
</tr>
<tr>
<td>4/0 AWG</td>
<td>7/#5</td>
<td>96.8, 116 &amp; 120 (Compacted Wires)</td>
<td>004</td>
<td></td>
</tr>
<tr>
<td>250 MCM</td>
<td>19/#9</td>
<td>120 &amp; 134</td>
<td>025</td>
<td></td>
</tr>
<tr>
<td>300 MCM</td>
<td>19/#8</td>
<td>145.8, 146, 150 &amp; 185 (Compctd Wires)</td>
<td>030</td>
<td></td>
</tr>
<tr>
<td>350 MCM</td>
<td>19/#7</td>
<td>181.6, 182 &amp; 185</td>
<td>035</td>
<td></td>
</tr>
<tr>
<td>400 MCM</td>
<td>19/#7</td>
<td>194 &amp; 240 (Compacted Wires)</td>
<td>040</td>
<td></td>
</tr>
<tr>
<td>450 MCM</td>
<td>-</td>
<td>-</td>
<td>045</td>
<td></td>
</tr>
<tr>
<td>500 MCM</td>
<td>19/#6</td>
<td>240</td>
<td>050</td>
<td></td>
</tr>
<tr>
<td>500ROPELAY</td>
<td>19/#5</td>
<td>300</td>
<td>053</td>
<td></td>
</tr>
<tr>
<td></td>
<td>7/#4</td>
<td>-</td>
<td>500</td>
<td></td>
</tr>
<tr>
<td>750 MCM</td>
<td>-</td>
<td>-</td>
<td>075</td>
<td>1.875</td>
</tr>
<tr>
<td>1000 MCM</td>
<td>-</td>
<td>-</td>
<td>100</td>
<td></td>
</tr>
</tbody>
</table>

### Ground Rod

<table>
<thead>
<tr>
<th>Size</th>
<th>Material Type</th>
<th>Connector Identifier Number</th>
<th>Connector O.D. (±0.015)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8&quot;</td>
<td>#3 Steel rebar</td>
<td>003</td>
<td>1.25</td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>Copperclad-plain &amp; sectional with 1/2&quot; thread</td>
<td>025</td>
<td>2.00 for parallel</td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>Steel &amp; copperclad sectional with 9/16&quot; thread &amp; #4 Steel rebar</td>
<td>500</td>
<td></td>
</tr>
<tr>
<td>5/8&quot;</td>
<td>Copperclad-plain &amp; sectional with 5/8&quot; thread</td>
<td>562</td>
<td></td>
</tr>
<tr>
<td>5/8&quot;</td>
<td>Steel plain &amp; #5 Steel rebar</td>
<td>625</td>
<td></td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>Copperclad-plain &amp; sectional with 3/4&quot; thread</td>
<td>682</td>
<td></td>
</tr>
<tr>
<td>3/8&quot;</td>
<td>#3 Steel rebar</td>
<td>003</td>
<td></td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>Copperclad-plain &amp; sectional with 1/2&quot; thread</td>
<td>025</td>
<td></td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>Steel &amp; copperclad sectional with 9/16&quot; thread &amp; #4 Steel rebar</td>
<td>500</td>
<td></td>
</tr>
<tr>
<td>5/8&quot;</td>
<td>Copperclad-plain &amp; sectional with 5/8&quot; thread</td>
<td>030</td>
<td></td>
</tr>
<tr>
<td>5/8&quot;</td>
<td>Steel plain &amp; #5 Steel rebar</td>
<td>035</td>
<td></td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>Copperclad-plain &amp; sectional with 3/4&quot; thread</td>
<td>040</td>
<td></td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>Steel plain</td>
<td>750</td>
<td></td>
</tr>
<tr>
<td>1&quot;</td>
<td>Copperclad-plain &amp; sectional with 1&quot; thread</td>
<td>914</td>
<td></td>
</tr>
<tr>
<td>1&quot;</td>
<td>Steel plain</td>
<td>950</td>
<td></td>
</tr>
</tbody>
</table>
GROUND CONNECTOR ORDERING NOMENCLATURE

GROUNDING CONNECTORS

1. BASE CONNECTOR STYLE
2. MATERIAL CODE (B=Copper)
3. RUN / TAP1 / TAP2 / RUN2 (Cable or Ground Rod Identifier Number)
4. TIN PLATED FINISH (Optional)
5. GCXXX  B  XXX - XXX  T

ORDERING EXAMPLE:
GC731  B  025  -  682T
Thru Hole Tee  250 MCM cable Run 3/4” Copperclad rod Tap, Tin Plating

FENCE POST CONNECTORS

1. BASE CONNECTOR STYLE
2. MATERIAL CODE (B=Copper)
3. PIPE SIZE IDENTIFIER NUMBER (See chart on page 19)
4. LEFT BARREL IDENTIFIER NUMBER (Cable or Ground Rod; Use “000” for none)
5. RIGHT BARREL IDENTIFIER NUMBER (Cable or Ground Rod; Use “000” for none)
6. TIN PLATED FINISH (Optional)

SINGLE BARREL ORDERING EXAMPLE:
GC760  B  32  -  002  -  000T
Cable/Rod to Fence Post  2” Pipe  3/4” Copperclad Rod Left Barrel No Right Barrel Tin Plating

DUAL BARREL ORDERING EXAMPLE:
GC760  B  44  -  025  -  030
Cable/Rod to Fence Post  4” Pipe  250 MCM cable Left Barrel 3/4” MCM cable Right Barrel No Finish

TO FIND THE CORRECT TOOLING:
1. Select required connector
2. Use the chart on page 38 to determine the Connector Identifier Number and Connector O.D. Use the larger O.D. for two different sized runs
3. Select the proper Head Assembly & Inspection Gauge based on the Connector O.D.

<table>
<thead>
<tr>
<th>Connector Type</th>
<th>Connector Identifier #</th>
<th>Connector O.D.</th>
<th>Swage Tool Head Assembly</th>
<th>Inspection Gauge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tee Splice Cross Elbow Terminal Fence Connector</td>
<td>02G 04G 06G 002 003</td>
<td>1.25</td>
<td>DLT45CLHA03975</td>
<td>GCIG200-03975</td>
</tr>
<tr>
<td></td>
<td>004 025 500 562 625</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>025 500 682</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>02G 04G 002 003 004</td>
<td>1.50</td>
<td>DLT45CLHA05565</td>
<td>GCIG200-05565</td>
</tr>
<tr>
<td></td>
<td>025 030 035 040 045</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>050 053 500 750 914</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Parallel</td>
<td>04G 06G</td>
<td>1.00</td>
<td>DLT45CLHA05565</td>
<td>GCIG200-05565</td>
</tr>
<tr>
<td></td>
<td>02G</td>
<td>1.50</td>
<td>DLT45CLHA02500</td>
<td>DLT45CLIG02500</td>
</tr>
<tr>
<td></td>
<td>002 003 004 025 035</td>
<td>1.875</td>
<td>DLT45CLHA08745</td>
<td>GCIG200-08745</td>
</tr>
<tr>
<td></td>
<td>500 562 600 625</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>040 045 050 750 914</td>
<td>2.00</td>
<td>DLT45CLHA11130</td>
<td>GCIG200-11130</td>
</tr>
<tr>
<td></td>
<td>950</td>
<td>2.25</td>
<td>DLT45CLHA15900</td>
<td>GCIC200-15900</td>
</tr>
</tbody>
</table>

*Exceptions exist for some cable size combinations; refer to individual model drawing to confirm tooling. DLT45- Head Assemblies use the DLT45MAPW0000 Power Unit

www.dmcpower.com
THINKING OUTSIDE THE FENCE

Every day a continuously increasing demand is placed on our nation’s transmission conductors, often causing them to operate at temperatures exceeding 130°C. Keeping these transmission lines safely in the air is the single most critical requirement of any connector and traditional installation methods simply cannot survive long under this kind of burden. That’s why DMC Power designed the next generation of Full Tension connectors for AAC, ACSR, ACSS and Static Wire applications.

DMC Power has spent several years testing to all industry standards including ANSI C119.4 Class “AA” current cycling on our Single Stage system, establishing us as the only “High Temperature” Single Stage system option.

Additional Thermal/Mechanical testing of our Single Stage “One Die” ACSR fittings at an elevated temperature of 150°C and 25% tension showed that all of our test samples ran an average of 25% cooler than the control conductor temperature, proving DMC Power’s superior performance over all other compression systems.

DMC Power’s strict manufacturing processes and ISO 9001:2008 quality system ensures that each and every connector you receive meets and exceeds all utility and industry standards. Trust the superior quality and proven reliability of the DMC Power Swage System on your next Transmission project.
APPLICATION NOTES

• Flexible gripping core to prevent scraping out holding grit
• Yields a 20% area of reduction for superior electrical performance

PERFORMANCE FEATURES

• 360° flex die applies symmetrical forces for greater holding strength
• Higher conductivity alloy
• Superior mechanical strength
• Step down stress relief
• Fewer compressions for fast installation
• Lighter tool for improved ergonomics
• No need to rotate the tool, no bowing
• Lower total ownership cost

MANUFACTURING

• Machined to exact sizes (Tolerance: ± .005)
• Cores are machined for maximum accuracy
• Exact surface finish allows maximum contact
• Optimum strength through precise heat treatment
• Special galvanizing and superior corrosion protection
• TIG welding for best connection and conductivity
• Gun Drill Machining produces 5x tighter tolerance vs. extrusion

PULL DMC OVER THE ROLLERS

Transmission line construction specialists recognize the time and costs associated with temporary joints used to pull cables through the rollers. The need for access roads or helicopters to install permanent splices can add $1,000,000 to your project for every 100 splices! DMC Power’s Swage design allows for splices to run OVER the roller during installation without impacting splice performance -- just Swage your reels together and start stringing!
COMPLETE LINE OF FULL TENSION

DMC Power offers a complete line of Full Tension connector configurations for any Transmission application. Identifying the proper base part number is easy - simply replace the "x" in the listed part number with the corresponding letter of the conductor type being used. See page 53 for complete part ordering information.

**CONDUCTOR CODES**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DB</td>
<td>AAC</td>
</tr>
<tr>
<td>DC</td>
<td>ACSR</td>
</tr>
<tr>
<td>DJ</td>
<td>ACSS</td>
</tr>
<tr>
<td>DL</td>
<td>ACSS TW Equal Area</td>
</tr>
<tr>
<td>DN</td>
<td>Static Wire</td>
</tr>
<tr>
<td>DQ</td>
<td>ACSS TW Equal Diameter</td>
</tr>
</tbody>
</table>

**EXAMPLE**

AAC (DB) Single Pad Deadend (Dx99) = DB99

**DX99**

SINGLE PAD DEADEND

- Kit includes Bolt Package and Jumper Terminal
- 2-Stage Connector = Dx79

**DX98**

DEADEND

- Includes Deadend only
- For use with Tees (Dx93) or Taps (Dx92)
- 2-Stage Connector = Dx78

**DX97**

DUAL PAD DEADEND

- Kit includes two Bolt Packages and two Jumper Terminals
- 2-Stage Connector = Dx77

**DX96**

SPLICE CONNECTOR

- Superior sheave performance
- Save installation time and money by going over the roller
- 2-Stage Connector = Dx76
FULL TENSION CONNECTORS

**Dx89**
SINGLE PAD ADJUSTABLE DEADEND
- Kit includes Bolt Package and Jumper Terminal
- 2-Stage Connector = Dx69

**Dx87**
DUAL PAD ADJUSTABLE DEADEND
- Kit includes two Bolt Packages and two Jumper Terminals
- 2-Stage Connector = Dx67

**Dx92**
TAPS
- Split fitting design slides easily over existing cable
- Custom pad sizes and configurations available

**Dx93**
TEES
- Split fitting design slides easily over existing cable
- Any size cable and configuration available

**Dx94**
JUMPER TERMINALS
- Connects to Deadend NEMA pads to keep the current flowing
- Standard and custom angles available
- Jumper Terminal included with Deadend orders or available separately

**Dx95**
REPAIR SLEEVES
- Provides a lifelong Swage connection for weak points in cable runs
- Split fitting design slides easily over existing cable

**PLK8000**
EHV BOLT SHIELDS
- Bolts directly onto existing NEMA Pad to smooth out the electric field profile created by sharp edges
- Can be used at high altitude, coastal or industrial areas for added protection
- Included with all EHV Deadend orders

**DPFT8014**
MOUNTING HARDWARE
- Kit contains 4 Bolts, Washers and Nuts
- One standard kit included per Deadend and Jumper Terminal order
### AAC CABLE SELECTOR CHART

#### Step 1: Select your base connector style

<table>
<thead>
<tr>
<th>DEADEND</th>
<th>JUMPER TERMINAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 PAD NO PAD</td>
<td>1 PAD</td>
</tr>
<tr>
<td>2 PAD</td>
<td>ADJUSTABLE 1 PAD</td>
</tr>
<tr>
<td>ADJUSTABLE NO PAD</td>
<td>ADJUSTABLE 2 PAD</td>
</tr>
<tr>
<td>SINGLE TERMINAL</td>
<td>DOUBLE TERMINAL</td>
</tr>
<tr>
<td>AAC</td>
<td>DB99</td>
</tr>
<tr>
<td></td>
<td>DB98</td>
</tr>
<tr>
<td></td>
<td>DB97</td>
</tr>
<tr>
<td></td>
<td>DB89</td>
</tr>
<tr>
<td></td>
<td>DB88</td>
</tr>
<tr>
<td></td>
<td>DB87</td>
</tr>
<tr>
<td></td>
<td>DB94</td>
</tr>
<tr>
<td></td>
<td>DB84</td>
</tr>
</tbody>
</table>

#### SPLICES

<table>
<thead>
<tr>
<th>STANDARD</th>
<th>REPAIR</th>
<th>LOOP</th>
<th>REDUCER</th>
<th>TEES</th>
<th>TAPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAC</td>
<td>DB96</td>
<td>DB95</td>
<td>DB91</td>
<td>DB90</td>
<td>DB93</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Steps 2 & 3: Find the AAC Conductor you're using and select the corresponding outer aluminum **BARREL DIE #** and **CABLE CODE #**

<table>
<thead>
<tr>
<th>AAC</th>
<th>SIZE (kcmil)</th>
<th>STR</th>
<th>CABLE OD</th>
<th>BARREL DIE #</th>
<th>CABLE CODE #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poppy</td>
<td>1/0</td>
<td>7</td>
<td>0.368</td>
<td>125</td>
<td>00</td>
</tr>
<tr>
<td>Aster</td>
<td>2/0</td>
<td>7</td>
<td>0.414</td>
<td>125</td>
<td>01</td>
</tr>
<tr>
<td>Phlox</td>
<td>3/0</td>
<td>7</td>
<td>0.464</td>
<td>125</td>
<td>02</td>
</tr>
<tr>
<td>Oxlip</td>
<td>4/0</td>
<td>7</td>
<td>0.522</td>
<td>125</td>
<td>03</td>
</tr>
<tr>
<td>Sneezewort</td>
<td>250</td>
<td>7</td>
<td>0.567</td>
<td>125</td>
<td>0A</td>
</tr>
<tr>
<td>Laurel</td>
<td>266.8</td>
<td>19</td>
<td>0.592</td>
<td>125</td>
<td>04</td>
</tr>
<tr>
<td>Tulip</td>
<td>336.4</td>
<td>19</td>
<td>0.665</td>
<td>125</td>
<td>05</td>
</tr>
<tr>
<td>Daffodil</td>
<td>350</td>
<td>19</td>
<td>0.697</td>
<td>125</td>
<td>05</td>
</tr>
<tr>
<td>Canna</td>
<td>397.5</td>
<td>19</td>
<td>0.723</td>
<td>125</td>
<td>05</td>
</tr>
<tr>
<td>Goldentuft</td>
<td>450</td>
<td>19</td>
<td>0.769</td>
<td>125</td>
<td>05</td>
</tr>
<tr>
<td>Cosmos</td>
<td>477</td>
<td>19</td>
<td>0.792</td>
<td>150</td>
<td>10</td>
</tr>
<tr>
<td>Syringa</td>
<td>477</td>
<td>37</td>
<td>0.795</td>
<td>150</td>
<td>10</td>
</tr>
<tr>
<td>Zinnia</td>
<td>500</td>
<td>19</td>
<td>0.811</td>
<td>150</td>
<td>10</td>
</tr>
<tr>
<td>Hyacinth</td>
<td>500</td>
<td>37</td>
<td>0.814</td>
<td>150</td>
<td>10</td>
</tr>
<tr>
<td>Dahlia</td>
<td>556.5</td>
<td>19</td>
<td>0.856</td>
<td>150</td>
<td>10</td>
</tr>
<tr>
<td>Mistletoe</td>
<td>556.5</td>
<td>37</td>
<td>0.858</td>
<td>150</td>
<td>10</td>
</tr>
<tr>
<td>Meadowsweet</td>
<td>600</td>
<td>37</td>
<td>0.891</td>
<td>150</td>
<td>10</td>
</tr>
<tr>
<td>Orchid</td>
<td>636</td>
<td>37</td>
<td>0.918</td>
<td>175</td>
<td>15</td>
</tr>
<tr>
<td>Heuchera</td>
<td>650</td>
<td>37</td>
<td>0.928</td>
<td>175</td>
<td>15</td>
</tr>
<tr>
<td>Verbena</td>
<td>700</td>
<td>37</td>
<td>0.963</td>
<td>175</td>
<td>20</td>
</tr>
<tr>
<td>Flag</td>
<td>700</td>
<td>61</td>
<td>0.964</td>
<td>175</td>
<td>20</td>
</tr>
<tr>
<td>Violet</td>
<td>715.5</td>
<td>37</td>
<td>0.973</td>
<td>175</td>
<td>20</td>
</tr>
<tr>
<td>Nasturtium</td>
<td>715.5</td>
<td>61</td>
<td>0.975</td>
<td>175</td>
<td>20</td>
</tr>
<tr>
<td>Petunia</td>
<td>750</td>
<td>37</td>
<td>0.997</td>
<td>175</td>
<td>20</td>
</tr>
<tr>
<td>Cattail</td>
<td>750</td>
<td>61</td>
<td>0.998</td>
<td>188</td>
<td>25</td>
</tr>
<tr>
<td>Arbutus</td>
<td>795</td>
<td>37</td>
<td>1.026</td>
<td>188</td>
<td>25</td>
</tr>
<tr>
<td>Lilac</td>
<td>795</td>
<td>61</td>
<td>1.027</td>
<td>188</td>
<td>25</td>
</tr>
<tr>
<td>Cockscomb</td>
<td>900</td>
<td>37</td>
<td>1.092</td>
<td>188</td>
<td>25</td>
</tr>
<tr>
<td>Snapdragon</td>
<td>900</td>
<td>61</td>
<td>1.093</td>
<td>200</td>
<td>30</td>
</tr>
<tr>
<td>Magnolia</td>
<td>954</td>
<td>37</td>
<td>1.124</td>
<td>200</td>
<td>30</td>
</tr>
<tr>
<td>Goldenrod</td>
<td>954</td>
<td>61</td>
<td>1.125</td>
<td>200</td>
<td>30</td>
</tr>
<tr>
<td>Hawkweed</td>
<td>1000</td>
<td>37</td>
<td>1.151</td>
<td>200</td>
<td>35</td>
</tr>
<tr>
<td>Camellia</td>
<td>1000</td>
<td>61</td>
<td>1.152</td>
<td>200</td>
<td>35</td>
</tr>
<tr>
<td>Bluebell</td>
<td>1033.5</td>
<td>37</td>
<td>1.17</td>
<td>200</td>
<td>40</td>
</tr>
<tr>
<td>Larkspur</td>
<td>1033.5</td>
<td>61</td>
<td>1.171</td>
<td>200</td>
<td>40</td>
</tr>
</tbody>
</table>
### AAC CABLE SELECTION CHART

<table>
<thead>
<tr>
<th>AAC</th>
<th>SIZE (kcml)</th>
<th>STR</th>
<th>CABLE OD</th>
<th>BARREL DIE #</th>
<th>CABLE CODE #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marigold</td>
<td>1113</td>
<td>61</td>
<td>1.216</td>
<td>225</td>
<td>45</td>
</tr>
<tr>
<td>Hawthorn</td>
<td>1192.5</td>
<td>61</td>
<td>1.258</td>
<td>225</td>
<td>45</td>
</tr>
<tr>
<td>Narcissus</td>
<td>1272</td>
<td>61</td>
<td>1.300</td>
<td>225</td>
<td>45</td>
</tr>
<tr>
<td>Columbine</td>
<td>1351.5</td>
<td>61</td>
<td>1.340</td>
<td>225</td>
<td>50</td>
</tr>
<tr>
<td>Carnation</td>
<td>1431</td>
<td>61</td>
<td>1.378</td>
<td>225</td>
<td>50</td>
</tr>
<tr>
<td>Gladiolus</td>
<td>1510.5</td>
<td>61</td>
<td>1.416</td>
<td>225</td>
<td>55</td>
</tr>
<tr>
<td>Coreopsis</td>
<td>1590</td>
<td>61</td>
<td>1.453</td>
<td>225</td>
<td>55</td>
</tr>
<tr>
<td>Jessamine</td>
<td>1750</td>
<td>61</td>
<td>1.524</td>
<td>225</td>
<td>58</td>
</tr>
<tr>
<td>Cowslip</td>
<td>2000</td>
<td>91</td>
<td>1.631</td>
<td>275</td>
<td>60</td>
</tr>
<tr>
<td>Sagebrush</td>
<td>2250</td>
<td>91</td>
<td>1.730</td>
<td>275</td>
<td>65</td>
</tr>
<tr>
<td>Pigweed</td>
<td>2300</td>
<td>91</td>
<td>1.748</td>
<td>275</td>
<td>65</td>
</tr>
<tr>
<td>Lupine</td>
<td>2500</td>
<td>91</td>
<td>1.823</td>
<td>275</td>
<td>70</td>
</tr>
<tr>
<td>Bluebonnet</td>
<td>3500</td>
<td>127</td>
<td>2.158</td>
<td>325</td>
<td>85</td>
</tr>
</tbody>
</table>

### Hang Transmission Cable in Seconds with Just 4 Steps:

1. **INSERT**

2. **SWAGE**

3. **INSPECT**

4. **CONNECT**
## Step 1: Select your base connector style

<table>
<thead>
<tr>
<th></th>
<th>DEADEND</th>
<th>JUMPER TERMINAL</th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 PAD</td>
<td>NO PAD</td>
<td>2 PAD</td>
<td>ADJUSTABLE 1 PAD</td>
<td>ADJUSTABLE NO PAD</td>
<td>ADJUSTABLE 2 PAD</td>
</tr>
<tr>
<td>ACSR Single Stage</td>
<td>DC99</td>
<td>DC98</td>
<td>DC97</td>
<td>DC89</td>
<td>DC88</td>
<td>DC87</td>
</tr>
<tr>
<td>ACSR Two Stage</td>
<td>DC79</td>
<td>DC78</td>
<td>DC77</td>
<td>DC69</td>
<td>DC68</td>
<td>DC67</td>
</tr>
</tbody>
</table>

## Step 2 & 3: Find the ACSR Conductor you're using and select the corresponding outer aluminum BARREL DIE # and Single or Two Stage CABLE CODE #

( NOTE: Internal Die # required for 2-Stage installation but not used to build the part number )

<table>
<thead>
<tr>
<th>ACSR</th>
<th>SIZE (kcmil)</th>
<th>STR (Al/St)</th>
<th>CABLE OD</th>
<th>BARREL DIE #</th>
<th>1 &amp; 2-STAGE</th>
<th>CABLE CODE #</th>
<th>2-STAGE ONLY</th>
<th>INTERNAL CORE DIE #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Raven</td>
<td>1/0</td>
<td>6/1</td>
<td>0.398</td>
<td>150</td>
<td>0F</td>
<td>0F</td>
<td></td>
<td>N/A</td>
</tr>
<tr>
<td>Quail</td>
<td>2/0</td>
<td>6/1</td>
<td>0.447</td>
<td>150</td>
<td>0E</td>
<td>0E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pigeon</td>
<td>3/0</td>
<td>6/1</td>
<td>0.502</td>
<td>150</td>
<td>0D</td>
<td>0D</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Penguin</td>
<td>4/0</td>
<td>6/1</td>
<td>0.563</td>
<td>150</td>
<td>01</td>
<td>01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Waxwing</td>
<td>266.8</td>
<td>18/1</td>
<td>0.609</td>
<td>150</td>
<td>0F</td>
<td>0F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Partridge</td>
<td>266.8</td>
<td>26/7</td>
<td>0.642</td>
<td>150</td>
<td>0C</td>
<td>0C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Merlin</td>
<td>336.4</td>
<td>18/1</td>
<td>0.684</td>
<td>150</td>
<td>02</td>
<td>02</td>
<td></td>
<td>063</td>
</tr>
<tr>
<td>Linnet</td>
<td>336.4</td>
<td>26/7</td>
<td>0.720</td>
<td>150</td>
<td>04</td>
<td>04</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chickadee</td>
<td>397.5</td>
<td>18/1</td>
<td>0.743</td>
<td>150</td>
<td>08</td>
<td>08</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Brant</td>
<td>397.5</td>
<td>24/7</td>
<td>0.772</td>
<td>150</td>
<td>10</td>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ibis</td>
<td>397.5</td>
<td>26/7</td>
<td>0.783</td>
<td>150</td>
<td>10</td>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lark</td>
<td>397.5</td>
<td>30/7</td>
<td>0.806</td>
<td>150</td>
<td>12</td>
<td>12</td>
<td></td>
<td>075</td>
</tr>
<tr>
<td>Pelican</td>
<td>477</td>
<td>18/1</td>
<td>0.814</td>
<td>150</td>
<td>14</td>
<td>14</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flicker</td>
<td>477</td>
<td>24/7</td>
<td>0.846</td>
<td>150</td>
<td>16</td>
<td>16</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hawk</td>
<td>477</td>
<td>26/7</td>
<td>0.858</td>
<td>150</td>
<td>16</td>
<td>16</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hen</td>
<td>477</td>
<td>30/7</td>
<td>0.883</td>
<td>175</td>
<td>18</td>
<td>18</td>
<td></td>
<td>088</td>
</tr>
<tr>
<td>Osprey</td>
<td>556.5</td>
<td>18/1</td>
<td>0.879</td>
<td>175</td>
<td>20</td>
<td>20</td>
<td></td>
<td>075</td>
</tr>
<tr>
<td>Parakeet</td>
<td>556.5</td>
<td>24/7</td>
<td>0.914</td>
<td>175</td>
<td>22</td>
<td>21</td>
<td></td>
<td>088</td>
</tr>
<tr>
<td>Dove</td>
<td>556.5</td>
<td>26/7</td>
<td>0.927</td>
<td>175</td>
<td>22</td>
<td>22</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eagle</td>
<td>556.5</td>
<td>30/7</td>
<td>0.953</td>
<td>175</td>
<td>24</td>
<td>24</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Peacock</td>
<td>605</td>
<td>24/7</td>
<td>0.953</td>
<td>175</td>
<td>26</td>
<td>25</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Squab</td>
<td>605</td>
<td>26/7</td>
<td>0.966</td>
<td>175</td>
<td>26</td>
<td>26</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kingbird</td>
<td>636</td>
<td>18/1</td>
<td>0.940</td>
<td>175</td>
<td>30</td>
<td>30</td>
<td></td>
<td>075</td>
</tr>
<tr>
<td>Swift</td>
<td>636</td>
<td>36/1</td>
<td>0.930</td>
<td>175</td>
<td>32</td>
<td>32</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## ACSR Cable Selector Chart

<table>
<thead>
<tr>
<th>ACSR</th>
<th>SIZE (kcmil)</th>
<th>STR (Al/St)</th>
<th>CABLE OD</th>
<th>BARREL DIE #</th>
<th>SINGLE STAGE</th>
<th>TWO STAGE</th>
<th>2-STAGE ONLY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rook</td>
<td>636</td>
<td>24/7</td>
<td>0.977</td>
<td>188</td>
<td>34</td>
<td>33</td>
<td>088</td>
</tr>
<tr>
<td>Grosbeak</td>
<td>636</td>
<td>26/7</td>
<td>0.991</td>
<td>188</td>
<td>34</td>
<td>34</td>
<td>100</td>
</tr>
<tr>
<td>Scoter</td>
<td>636</td>
<td>30/7</td>
<td>1.019</td>
<td>188</td>
<td>36</td>
<td>36</td>
<td>088</td>
</tr>
<tr>
<td>Egret</td>
<td>636</td>
<td>30/19</td>
<td>1.019</td>
<td>188</td>
<td>36</td>
<td>36</td>
<td>100</td>
</tr>
<tr>
<td>Flamingo</td>
<td>666.6</td>
<td>24/7</td>
<td>1.000</td>
<td>188</td>
<td>38</td>
<td>37</td>
<td>088</td>
</tr>
<tr>
<td>Gannet</td>
<td>666.6</td>
<td>26/7</td>
<td>1.014</td>
<td>188</td>
<td>38</td>
<td>38</td>
<td>100</td>
</tr>
<tr>
<td>Stilt</td>
<td>715.5</td>
<td>24/7</td>
<td>1.036</td>
<td>188</td>
<td>38</td>
<td>37</td>
<td>088</td>
</tr>
<tr>
<td>Starling</td>
<td>715.5</td>
<td>26/7</td>
<td>1.051</td>
<td>188</td>
<td>38</td>
<td>38</td>
<td>100</td>
</tr>
<tr>
<td>Redwing</td>
<td>715.5</td>
<td>30/19</td>
<td>1.081</td>
<td>188</td>
<td>40</td>
<td>39</td>
<td>100</td>
</tr>
<tr>
<td>Drake</td>
<td>795</td>
<td>26/7</td>
<td>1.107</td>
<td>188</td>
<td>40</td>
<td>40</td>
<td>088</td>
</tr>
<tr>
<td>Coot</td>
<td>795</td>
<td>36/1</td>
<td>1.040</td>
<td>188</td>
<td>42</td>
<td>42</td>
<td>100</td>
</tr>
<tr>
<td>Tern</td>
<td>795</td>
<td>45/7</td>
<td>1.063</td>
<td>188</td>
<td>44</td>
<td>44</td>
<td>088</td>
</tr>
<tr>
<td>Condor</td>
<td>795</td>
<td>54/7</td>
<td>1.092</td>
<td>188</td>
<td>46</td>
<td>46</td>
<td>100</td>
</tr>
<tr>
<td>Ruddy</td>
<td>900</td>
<td>45/7</td>
<td>1.131</td>
<td>200</td>
<td>50</td>
<td>50</td>
<td>100</td>
</tr>
<tr>
<td>Rail</td>
<td>954</td>
<td>45/7</td>
<td>1.165</td>
<td>200</td>
<td>50</td>
<td>50</td>
<td>100</td>
</tr>
<tr>
<td>Phoenix</td>
<td>954</td>
<td>42/6</td>
<td>1.162</td>
<td>200</td>
<td>51</td>
<td>51</td>
<td>100</td>
</tr>
<tr>
<td>Canary</td>
<td>900</td>
<td>54/7</td>
<td>1.162</td>
<td>200</td>
<td>52</td>
<td>52</td>
<td>100</td>
</tr>
<tr>
<td>Cardinal</td>
<td>954</td>
<td>54/7</td>
<td>1.196</td>
<td>200</td>
<td>52</td>
<td>52</td>
<td>100</td>
</tr>
<tr>
<td>Ortolan</td>
<td>1033.5</td>
<td>45/7</td>
<td>1.212</td>
<td>200</td>
<td>54</td>
<td>54</td>
<td>100</td>
</tr>
<tr>
<td>Curlew</td>
<td>1033.5</td>
<td>54/7</td>
<td>1.245</td>
<td>200</td>
<td>56</td>
<td>56</td>
<td>100</td>
</tr>
<tr>
<td>Bluejay</td>
<td>1113</td>
<td>45/7</td>
<td>1.258</td>
<td>225</td>
<td>58</td>
<td>58</td>
<td>113</td>
</tr>
<tr>
<td>Finch</td>
<td>1113</td>
<td>54/19</td>
<td>1.292</td>
<td>225</td>
<td>60</td>
<td>60</td>
<td>113</td>
</tr>
<tr>
<td>Bunting</td>
<td>1192.5</td>
<td>45/7</td>
<td>1.302</td>
<td>225</td>
<td>62</td>
<td>62</td>
<td>113</td>
</tr>
<tr>
<td>Grackle</td>
<td>1192.5</td>
<td>54/19</td>
<td>1.337</td>
<td>225</td>
<td>64</td>
<td>64</td>
<td>113</td>
</tr>
<tr>
<td>Bittern</td>
<td>1272</td>
<td>45/7</td>
<td>1.345</td>
<td>225</td>
<td>66</td>
<td>66</td>
<td>113</td>
</tr>
<tr>
<td>Pheasant</td>
<td>1272</td>
<td>54/19</td>
<td>1.381</td>
<td>225</td>
<td>68</td>
<td>68</td>
<td>113</td>
</tr>
<tr>
<td>Dipper</td>
<td>1351.5</td>
<td>45/7</td>
<td>1.386</td>
<td>225</td>
<td>70</td>
<td>70</td>
<td>113</td>
</tr>
<tr>
<td>Martin</td>
<td>1351.5</td>
<td>54/19</td>
<td>1.424</td>
<td>225</td>
<td>72</td>
<td>72</td>
<td>113</td>
</tr>
<tr>
<td>Bobolink</td>
<td>1431</td>
<td>45/7</td>
<td>1.427</td>
<td>225</td>
<td>74</td>
<td>74</td>
<td>113</td>
</tr>
<tr>
<td>Lapwing</td>
<td>1590</td>
<td>45/7</td>
<td>1.504</td>
<td>225</td>
<td>76</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Lapwing</td>
<td>1590</td>
<td>45/7</td>
<td>1.504</td>
<td>275</td>
<td>N/A</td>
<td>76</td>
<td>125</td>
</tr>
<tr>
<td>Falcon</td>
<td>1590</td>
<td>54/19</td>
<td>1.544</td>
<td>275</td>
<td>78</td>
<td>78</td>
<td>125</td>
</tr>
<tr>
<td>Chukar</td>
<td>1780</td>
<td>84/19</td>
<td>1.602</td>
<td>275</td>
<td>80</td>
<td>80</td>
<td>125</td>
</tr>
<tr>
<td>Bluebird</td>
<td>2156</td>
<td>84/19</td>
<td>1.762</td>
<td>275</td>
<td>82</td>
<td>82</td>
<td>125</td>
</tr>
<tr>
<td>Kiwi</td>
<td>2167</td>
<td>72/7</td>
<td>1.735</td>
<td>275</td>
<td>84</td>
<td>84</td>
<td>125</td>
</tr>
</tbody>
</table>
**Step 1:** Select your base connector style

<table>
<thead>
<tr>
<th></th>
<th>DEADEND</th>
<th>JUMPER TERMINAL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 PAD NO PAD 2 PAD</td>
<td>ADJUSTABLE 1 PAD ADJUSTABLE NO PAD ADJUSTABLE 2 PAD SINGLE TERMINAL DOUBLE TERMINAL</td>
</tr>
<tr>
<td>ACSS</td>
<td>DJ79 DJ78 DJ77</td>
<td>DJ69 DJ68 DJ67</td>
</tr>
</tbody>
</table>

**SPLICES**

<table>
<thead>
<tr>
<th></th>
<th>STANDARD REPAIR LOOP REDUCER</th>
<th>TEES</th>
<th>TAPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACSS</td>
<td>DJ76 DJ95 DJ91 DJ70</td>
<td>DJ93</td>
<td>DJ92</td>
</tr>
</tbody>
</table>

**Step 2 & 3:** Find the ACSS Conductor you’re using and select the corresponding outer aluminum BARREL DIE # and CABLE CODE #.

(Note: Internal Die # required for 2-Stage installation but not used to build the part number)

<table>
<thead>
<tr>
<th>ACSS</th>
<th>SIZE (kcmil)</th>
<th>STR (Al/St)</th>
<th>CABLE OD</th>
<th>BARREL DIE #</th>
<th>CABLE CODE #</th>
<th>INTERNAL CORE DIE #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Partridge/ACSS</td>
<td>266.8</td>
<td>26/7</td>
<td>0.642</td>
<td>150</td>
<td>0C</td>
<td>063</td>
</tr>
<tr>
<td>Ostrich/ACSS</td>
<td>300</td>
<td>26/7</td>
<td>0.680</td>
<td>150</td>
<td>0F</td>
<td>075</td>
</tr>
<tr>
<td>Linnet/ACSS</td>
<td>336.4</td>
<td>26/7</td>
<td>0.720</td>
<td>150</td>
<td>04</td>
<td></td>
</tr>
<tr>
<td>Brant/ACSS</td>
<td>397.5</td>
<td>24/7</td>
<td>0.772</td>
<td>150</td>
<td>09</td>
<td></td>
</tr>
<tr>
<td>Ibis/ACSS</td>
<td>397.5</td>
<td>26/7</td>
<td>0.783</td>
<td>150</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Flicker/ACSS</td>
<td>477</td>
<td>24/7</td>
<td>0.846</td>
<td>150</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>Hawk/ACSS</td>
<td>477</td>
<td>26/7</td>
<td>0.858</td>
<td>150</td>
<td>16</td>
<td></td>
</tr>
<tr>
<td>Hen/ACSS</td>
<td>477</td>
<td>30/7</td>
<td>0.883</td>
<td>175</td>
<td>18</td>
<td>088</td>
</tr>
<tr>
<td>Dove/ACSS</td>
<td>556.5</td>
<td>26/7</td>
<td>0.927</td>
<td>175</td>
<td>22</td>
<td></td>
</tr>
<tr>
<td>Peacock/ACSS</td>
<td>605</td>
<td>24/7</td>
<td>0.953</td>
<td>175</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>Squab/ACSS</td>
<td>605</td>
<td>26/7</td>
<td>0.966</td>
<td>175</td>
<td>26</td>
<td></td>
</tr>
<tr>
<td>Rook/ACSS</td>
<td>636</td>
<td>24/7</td>
<td>0.977</td>
<td>188</td>
<td>33</td>
<td>088</td>
</tr>
<tr>
<td>Grosbeak/ACSS</td>
<td>636</td>
<td>26/7</td>
<td>0.991</td>
<td>188</td>
<td>34</td>
<td></td>
</tr>
<tr>
<td>Scoter/ACSS</td>
<td>636</td>
<td>30/7</td>
<td>1.019</td>
<td>188</td>
<td>36</td>
<td>100</td>
</tr>
<tr>
<td>Egret/ACSS</td>
<td>636</td>
<td>30/19</td>
<td>1.019</td>
<td>188</td>
<td>36</td>
<td></td>
</tr>
<tr>
<td>Flamingo/ACSS</td>
<td>666.6</td>
<td>24/7</td>
<td>1.000</td>
<td>188</td>
<td>37</td>
<td>088</td>
</tr>
<tr>
<td>Gannet/ACSS</td>
<td>666.6</td>
<td>26/7</td>
<td>1.014</td>
<td>188</td>
<td>38</td>
<td></td>
</tr>
<tr>
<td>Stilt/ACSS</td>
<td>715.5</td>
<td>24/7</td>
<td>1.036</td>
<td>188</td>
<td>37</td>
<td>100</td>
</tr>
<tr>
<td>Starling/ACSS</td>
<td>715.5</td>
<td>26/7</td>
<td>1.051</td>
<td>188</td>
<td>38</td>
<td></td>
</tr>
</tbody>
</table>

**THERMAL MECHANICAL ACSS TESTING**

Our ACSS line of high temperature Deadends and Splices have been independently tested to the rigorous international standards of CIGRE TB 426. Accordingly, samples were subjected to 500 current cycles at 250°C with 25% RBS constant tension including 5 separate sustained holds at 70% RBS for 24 hours. All DMC Power connectors passed easily with the post-aging tensioned conductor breaking at a remarkable 103% RBS.
During ANSI C119.4 type testing, DMC Power ACSS Deadends and Splices showed superior resistance stability on all samples through 500 thermal cycles at 250°C-285°C above room temperature. Additional extreme temperature cycling to 325°C was performed for 280 more cycles with all samples averaging 50% cooler than the control and the post-aging tensile load yielding 104% RBS.
**ACSS TW CABLE CHART**

- ACSS/TW Equal Area size chart is listed below
- ACSS/TW Equal Diameter and Static Wire are on the following page

## Step 1: Select your base connector style

<table>
<thead>
<tr>
<th></th>
<th>DEADEND</th>
<th>JUMPER TERMINAL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 PAD</td>
<td>NO PAD</td>
</tr>
<tr>
<td>ACSS TW - EA</td>
<td>DL79</td>
<td>DL78</td>
</tr>
<tr>
<td>ACSS TW - ED</td>
<td>DQ79</td>
<td>DQ78</td>
</tr>
</tbody>
</table>

### SPLICES

<table>
<thead>
<tr>
<th></th>
<th>TEES</th>
<th>TAPS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>STANDARD</td>
<td>REPAIR</td>
</tr>
<tr>
<td>ACSS TW - EA</td>
<td>DL76</td>
<td>DL95</td>
</tr>
<tr>
<td>ACSS TW - ED</td>
<td>DQ76</td>
<td>DQ95</td>
</tr>
</tbody>
</table>

## Step 2 & 3: Find the ACSS TW Conductor you’re using and select the corresponding outer aluminum BARREL DIE # and CABLE CODE #

(NOTE: Internal Die # required for 2-Stage installation but not used to build the part number)

### EQUAL AREA

<table>
<thead>
<tr>
<th>ACSS/TW</th>
<th>SIZE (kcmil)</th>
<th>TYPE NO.</th>
<th>STR (Al/St)</th>
<th>CABLE OD</th>
<th>BARREL DIE #</th>
<th>CABLE CODE #</th>
<th>INTERNAL CORE DIE #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Linnet/ACSS/TW</td>
<td>336.4</td>
<td>16</td>
<td>16/7</td>
<td>0.667</td>
<td>150</td>
<td>04</td>
<td>063</td>
</tr>
<tr>
<td>Flicker/ACSS/TW</td>
<td>477</td>
<td>13</td>
<td>18/7</td>
<td>0.776</td>
<td>150</td>
<td>15</td>
<td>075</td>
</tr>
<tr>
<td>Hawk/ACSS/TW</td>
<td>477</td>
<td>16</td>
<td>18/7</td>
<td>0.798</td>
<td>150</td>
<td>16</td>
<td>088</td>
</tr>
<tr>
<td>Hen/ACSS/TW</td>
<td>477</td>
<td>23</td>
<td>20/7</td>
<td>0.820</td>
<td>175</td>
<td>18</td>
<td>088</td>
</tr>
<tr>
<td>Dove/ACSS/TW</td>
<td>556.5</td>
<td>16</td>
<td>20/7</td>
<td>0.850</td>
<td>175</td>
<td>22</td>
<td>088</td>
</tr>
<tr>
<td>Rook/ACSS/TW</td>
<td>636</td>
<td>13</td>
<td>20/7</td>
<td>0.893</td>
<td>188</td>
<td>33</td>
<td>088</td>
</tr>
<tr>
<td>Grosbeak/ACSS/TW</td>
<td>636</td>
<td>16</td>
<td>20/7</td>
<td>0.909</td>
<td>188</td>
<td>34</td>
<td>088</td>
</tr>
<tr>
<td>Tern/ACSS/TW</td>
<td>795</td>
<td>7</td>
<td>17/7</td>
<td>0.960</td>
<td>200</td>
<td>44</td>
<td>088</td>
</tr>
<tr>
<td>Condor/ACSS/TW</td>
<td>795</td>
<td>13</td>
<td>20/7</td>
<td>0.993</td>
<td>200</td>
<td>46</td>
<td>088</td>
</tr>
<tr>
<td>Drake/ACSS/TW</td>
<td>795</td>
<td>16</td>
<td>20/7</td>
<td>1.010</td>
<td>200</td>
<td>40</td>
<td>100</td>
</tr>
<tr>
<td>Canary/ACSS/TW</td>
<td>900</td>
<td>13</td>
<td>20/7</td>
<td>1.055</td>
<td>200</td>
<td>52</td>
<td>100</td>
</tr>
<tr>
<td>Rail/ACSS/TW</td>
<td>954</td>
<td>7</td>
<td>32/7</td>
<td>1.061</td>
<td>200</td>
<td>50</td>
<td>100</td>
</tr>
<tr>
<td>Cardinal/ACSS/TW</td>
<td>954</td>
<td>13</td>
<td>20/7</td>
<td>1.080</td>
<td>200</td>
<td>52</td>
<td>100</td>
</tr>
<tr>
<td>Ortolan/ACSS/TW</td>
<td>1033.5</td>
<td>7</td>
<td>32/7</td>
<td>1.102</td>
<td>200</td>
<td>54</td>
<td>100</td>
</tr>
<tr>
<td>Curlew/ACSS/TW</td>
<td>1033.5</td>
<td>13</td>
<td>22/7</td>
<td>1.132</td>
<td>225</td>
<td>56</td>
<td>113</td>
</tr>
<tr>
<td>Bluejay/ACSS/TW</td>
<td>1113</td>
<td>7</td>
<td>33/7</td>
<td>1.143</td>
<td>225</td>
<td>58</td>
<td>113</td>
</tr>
<tr>
<td>Bunting/ACSS/TW</td>
<td>1192.5</td>
<td>7</td>
<td>34/7</td>
<td>1.181</td>
<td>225</td>
<td>62</td>
<td>113</td>
</tr>
<tr>
<td>Bittern/ACSS/TW</td>
<td>1272</td>
<td>7</td>
<td>38/7</td>
<td>1.224</td>
<td>225</td>
<td>67</td>
<td>125</td>
</tr>
<tr>
<td>Pheasant/ACSS/TW</td>
<td>1272</td>
<td>13</td>
<td>39/19</td>
<td>1.260</td>
<td>225</td>
<td>68</td>
<td>125</td>
</tr>
<tr>
<td>Dipper/ACSS/TW</td>
<td>1351.5</td>
<td>7</td>
<td>35/7</td>
<td>1.256</td>
<td>225</td>
<td>70</td>
<td>125</td>
</tr>
<tr>
<td>Lapwing/ACSS/TW</td>
<td>1590</td>
<td>7</td>
<td>36/7</td>
<td>1.358</td>
<td>275</td>
<td>76</td>
<td>125</td>
</tr>
<tr>
<td>Falcon/ACSS/TW</td>
<td>1590</td>
<td>13</td>
<td>42/19</td>
<td>1.410</td>
<td>275</td>
<td>78</td>
<td>125</td>
</tr>
<tr>
<td>Chukar/ACSS/TW</td>
<td>1780</td>
<td>8</td>
<td>38/19</td>
<td>1.445</td>
<td>275</td>
<td>80</td>
<td>125</td>
</tr>
<tr>
<td>Bluebird/ACSS/TW</td>
<td>2156</td>
<td>8</td>
<td>64/19</td>
<td>1.608</td>
<td>275</td>
<td>82</td>
<td>125</td>
</tr>
</tbody>
</table>
Below are some of the most popular Static Wire cable sizes.
All sizes and configurations are possible, contact us for more information.

### Static Wire Cable Chart

<table>
<thead>
<tr>
<th>DN - Static Wire</th>
<th>Size / Stranding</th>
<th>Cable OD</th>
<th>Breaking Strength</th>
<th>Barrel Die #</th>
<th>Cable Code #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Galvanized - EHS</td>
<td>5/16&quot;</td>
<td>0.306</td>
<td>11,200</td>
<td>075</td>
<td>28</td>
</tr>
<tr>
<td>Alumaweld</td>
<td>7 No. 10</td>
<td>0.306</td>
<td>10,020</td>
<td>075</td>
<td>28</td>
</tr>
<tr>
<td>Alumaweld</td>
<td>7 No. 9</td>
<td>0.343</td>
<td>12,630</td>
<td>075</td>
<td>30</td>
</tr>
<tr>
<td>Alumaweld</td>
<td>3 No. 6</td>
<td>0.349</td>
<td>10,280</td>
<td>075</td>
<td>30</td>
</tr>
<tr>
<td>Galvanized - EHS</td>
<td>3/8&quot;</td>
<td>0.385</td>
<td>15,400</td>
<td>100</td>
<td>30</td>
</tr>
<tr>
<td>Alumaweld</td>
<td>7 No. 8</td>
<td>0.385</td>
<td>15,930</td>
<td>100</td>
<td>34</td>
</tr>
<tr>
<td>Alumaweld</td>
<td>3 No. 5</td>
<td>0.392</td>
<td>12,230</td>
<td>100</td>
<td>34</td>
</tr>
<tr>
<td>Alumaweld</td>
<td>7 No. 7</td>
<td>0.433</td>
<td>19,060</td>
<td>100</td>
<td>36</td>
</tr>
<tr>
<td>Galvanized - EHS</td>
<td>1/2&quot;</td>
<td>0.486</td>
<td>26,900</td>
<td>113</td>
<td>38</td>
</tr>
<tr>
<td>Alumaweld</td>
<td>7 No. 6</td>
<td>0.486</td>
<td>22,730</td>
<td>113</td>
<td>38</td>
</tr>
<tr>
<td>Alumaweld</td>
<td>19 No. 10</td>
<td>0.509</td>
<td>27,190</td>
<td>113</td>
<td>38</td>
</tr>
<tr>
<td>Alumaweld</td>
<td>7 No. 5</td>
<td>0.546</td>
<td>27,030</td>
<td>125</td>
<td>40</td>
</tr>
<tr>
<td>Alumaweld</td>
<td>19 No. 9</td>
<td>0.572</td>
<td>34,290</td>
<td>125</td>
<td>42</td>
</tr>
</tbody>
</table>
Creating your AAC Full Tension Connector is easy as 1 – 2 – 3 – 4

AAC CABLE SELECTOR CHART

<table>
<thead>
<tr>
<th>CABLE TYPE</th>
<th>BARREL DIE #</th>
<th>FITTING O.D.</th>
<th>HEAD ASSEMBLY</th>
<th>INSPECTION GAUGE</th>
<th>POWER UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAC</td>
<td>125</td>
<td>1-1/4&quot;</td>
<td>DP45HA125</td>
<td>DP45IG125</td>
<td>DP45PU00</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(DLT45CLHA03975)</td>
<td>(DLT45CLIG03975)</td>
<td>(DLT45MAPW0000)</td>
</tr>
<tr>
<td>AAC /</td>
<td>150</td>
<td>1-1/2&quot;</td>
<td>DP45HA150</td>
<td>DP45IG150</td>
<td>DP45PU00</td>
</tr>
<tr>
<td>ACSR</td>
<td></td>
<td></td>
<td>(DLT45CLHA05565)</td>
<td>(DLT45CLIG05565)</td>
<td>(DLT45MAPW0000)</td>
</tr>
<tr>
<td></td>
<td>175</td>
<td>1-3/4&quot;</td>
<td>DP45HA175</td>
<td>DP45IG175</td>
<td>DP45PU00</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(DLT45CLHA07155)</td>
<td>(DLT45CLIG07155)</td>
<td>(DLT45MAPW0000)</td>
</tr>
<tr>
<td></td>
<td>188</td>
<td>1-7/8&quot;</td>
<td>DP45HA188</td>
<td>DP45IG188</td>
<td>DP45PU00</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(DLT45CLHA08745)</td>
<td>(DLT45CLIG08745)</td>
<td>(DLT45MAPW0000)</td>
</tr>
<tr>
<td>AAC</td>
<td>200</td>
<td>2&quot;</td>
<td>DP45HA200</td>
<td>DP45IG200</td>
<td>DP58PU00</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(DLT45CLHA11130)</td>
<td>(DLT45CLIG11130)</td>
<td>(DLT58MAPW0000)</td>
</tr>
<tr>
<td></td>
<td>225</td>
<td>2-1/4&quot;</td>
<td>DP45HA225</td>
<td>DP45IG225</td>
<td>DP58PU00</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(DLT45CLHA15900)</td>
<td>(DLT45CLIG15900)</td>
<td>(DLT58MAPW0000)</td>
</tr>
<tr>
<td>ACSR</td>
<td>200</td>
<td>2&quot;</td>
<td>DP58HA200</td>
<td>DP58IG200</td>
<td>DP58PU00</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(DLT58CLHA11130)</td>
<td>(DLT58CLIG11130)</td>
<td>(DLT58MAPW0000)</td>
</tr>
<tr>
<td>AAC</td>
<td>275</td>
<td>2-3/4&quot;</td>
<td>DP58HA275</td>
<td>DP58IG275</td>
<td>DP58PU00</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(DLT58CLHA25000)</td>
<td>(DLT58CLIG25000)</td>
<td>(DLT58MAPW0000)</td>
</tr>
<tr>
<td>ACSS/</td>
<td>063</td>
<td>5/8&quot;</td>
<td>DP85HA063</td>
<td>DP45IG063</td>
<td>DP85PU00</td>
</tr>
<tr>
<td>ACSR 2-Stage Internal Core Die #</td>
<td></td>
<td></td>
<td>(DLT85CLHA00010)</td>
<td>(DLT85CLIG00010)</td>
<td>(DLT85MAPW0001)</td>
</tr>
<tr>
<td></td>
<td>075</td>
<td>3/4&quot;</td>
<td>DP85HA075</td>
<td>DP45IG075</td>
<td>DP85PU00</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(DLT85CLHA00010)</td>
<td>(DLT85CLIG00010)</td>
<td>(DLT85MAPW0001)</td>
</tr>
<tr>
<td></td>
<td>088</td>
<td>7/8&quot;</td>
<td>DP85HA088</td>
<td>DP45IG088</td>
<td>DP85PU00</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(DLT85CLHA02500)</td>
<td>(DLT85CLIG02500)</td>
<td>(DLT85MAPW0001)</td>
</tr>
<tr>
<td></td>
<td>100</td>
<td>1&quot;</td>
<td>DP85HA100</td>
<td>DP45IG100</td>
<td>DP85PU00</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(DLT85CLHA05565)</td>
<td>(DLT85CLIG05565)</td>
<td>(DLT85MAPW0001)</td>
</tr>
<tr>
<td></td>
<td>113</td>
<td>1-1/8&quot;</td>
<td>DP85HA113</td>
<td>DP45IG113</td>
<td>DP85PU00</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(DLT85CLHA11130)</td>
<td>(DLT85CLIG11130)</td>
<td>(DLT85MAPW0001)</td>
</tr>
<tr>
<td></td>
<td>125</td>
<td>1-1/4&quot;</td>
<td>DP85HA125</td>
<td>DP45IG125</td>
<td>DP85PU00</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(DLT85CLHA03975)</td>
<td>(DLT85CLIG03975)</td>
<td>(DLT85MAPW0001)</td>
</tr>
<tr>
<td>ACSS/</td>
<td>150</td>
<td>1-1/2&quot;</td>
<td>DP85HA150</td>
<td>DP45IG150</td>
<td>DP85PU00</td>
</tr>
<tr>
<td>ACSR 2-Stage Outer Barrel</td>
<td></td>
<td></td>
<td>(DLT85CLHA05565)</td>
<td>(DLT85CLIG05565)</td>
<td>(DLT85MAPW0001)</td>
</tr>
<tr>
<td></td>
<td>175</td>
<td>1-3/4&quot;</td>
<td>DP85HA175</td>
<td>DP45IG175</td>
<td>DP85PU00</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(DLT85CLHA07155)</td>
<td>(DLT85CLIG07155)</td>
<td>(DLT85MAPW0001)</td>
</tr>
<tr>
<td></td>
<td>188</td>
<td>1-7/8&quot;</td>
<td>DP85HA188</td>
<td>DP45IG188</td>
<td>DP85PU00</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(DLT85CLHA08745)</td>
<td>(DLT85CLIG08745)</td>
<td>(DLT85MAPW0001)</td>
</tr>
<tr>
<td></td>
<td>200</td>
<td>2&quot;</td>
<td>DP85HA200</td>
<td>DP45IG200</td>
<td>DP85PU00</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(DLT85CLHA11130)</td>
<td>(DLT85CLIG11130)</td>
<td>(DLT85MAPW0001)</td>
</tr>
<tr>
<td>ACSS/</td>
<td>225</td>
<td>2-1/4&quot;</td>
<td>DP85HA225</td>
<td>DP45IG225</td>
<td>DP85PU00</td>
</tr>
<tr>
<td>ACSR Single &amp; 2-Stage Outer Barrel</td>
<td></td>
<td></td>
<td>(DLT85CLHA15900)</td>
<td>(DLT85CLIG15900)</td>
<td>(DLT85MAPW0001)</td>
</tr>
<tr>
<td></td>
<td>275</td>
<td>2-3/4&quot;</td>
<td>DP85HA275</td>
<td>DP58IG275</td>
<td>DP85PU00</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(DLT58CLHA25000)</td>
<td>(DLT58CLIG25000)</td>
<td>(DLT58MAPW0001)</td>
</tr>
</tbody>
</table>

PUMP TYPE
(See page 9)

<table>
<thead>
<tr>
<th>ELECTRIC - DP45EP00</th>
<th>GAS - DP45GP00</th>
</tr>
</thead>
<tbody>
<tr>
<td>(DLT12MAPE1000)</td>
<td>(DLT17MAPE1001)</td>
</tr>
</tbody>
</table>

• Use the color-coded BARREL DIE # associated with your cable type to determine the proper Head Assembly and Power Unit combination needed for your job (this is also the second set of digits in the connector part number: DC98-188-34)

• ACSS & ACSR 2-Stage installations will need to reference the INTERNAL CORE DIE # to select tooling for the internal steel sleeve.
FULL TENSION ORDERING NOMENCLATURE

Creating your Full Tension Connectors is easy as 1 – 2 – 3 – 4

► Step 1: Select your base connector style (ex: DB97 – AAC Dual Pad Deadend)

► Step 2 & 3: Find the specific conductor you’re using and take note of the BARREL DIE # and the CABLE CODE # (ex: AAC Magnolia – BARREL DIE # 200, CABLE CODE # 30)

► Step 4: Add any additional part modifiers (multiple suffixes can be applied)

<table>
<thead>
<tr>
<th>OTHER OPTIONS</th>
<th>PAD OPTIONS</th>
<th>TOTAL ANGLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Terminal</td>
<td>2&quot;, 2H Pad</td>
<td>DEEDED TO JUMPER MESAURED FROM VERTICAL</td>
</tr>
<tr>
<td>NT</td>
<td>3&quot;, 4H Pad</td>
<td>00° 00</td>
</tr>
<tr>
<td>Horizontal Eyelloop</td>
<td>4&quot;, 4H Pad</td>
<td>15° 15</td>
</tr>
<tr>
<td>H</td>
<td>5&quot;, 6H Pad</td>
<td>45° 45</td>
</tr>
<tr>
<td>EHV</td>
<td>6&quot;, 6H Pad</td>
<td>Custom Angle Enter Angle</td>
</tr>
<tr>
<td>Bolt Package</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BK</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 Conductor Spacing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>XS</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Using the three numbers from steps 1, 2 & 3 (and any optional part modifiers) simply link the numbers together with a "-" between them to create your custom Full Tension Connector

DBXX – XXX – XX – X

Step 1: Insert Base Connector Style

Step 2: Insert 3-Digit BARREL DIE #

Step 3: Insert 2-Digit CABLE CODE #

Step 4: Add any additional Part Modifiers (NOTE: Multiple suffixes may be added after the CABLE CODE as needed)

SINGLE STAGE ORDERING EXAMPLE WITH MODIFIER:
Magnolia AAC Cable / 954 kcmil

DB97 – 200 – 30 – EHV

- AAC Dual Pad Deadend
- 2" OD Barrel
- 30 Cable Code
- EHV Version

Tooling: Single Stage - 200 AAC Outer Barrel Size = DP45PU00 Power Unit & DP45HA200 Head Assembly

TWO STAGE ORDERING EXAMPLE WITH MULTIPLE MODIFIERS:
Drake ACSR Cable / 795 kcmil

DC99 – 188 – 40 – H – 15

- ACSR Single Pad Deadend
- 1-7/8" OD Barrel
- 40 Cable Code
- Horizontal Eyelloop
- 0° Pad From Vertical

Tooling: Two Stage - 188 ACSR Outer Barrel Size = DP85PU00 Power Unit & DP85HA188 Head Assembly
Internal Core Die #100 ACSR = DP85PU00 Power Unit & DP85HA100 Head Assembly
DMC Power’s High Temperature Single Stage (one die) system has been proven to meet even the most aggressive maximum operating temperature of ACSR conductors. Thermal Mechanical testing at the elevated temperature of 150°C and under 25% tension shows excellent stability after 500 cycles with sample connector temperatures running 25% cooler than the control conductor. This allows for NERC facility rating compliance for normal and emergency operations.
Kinectrics Lab independently type tested DMC Power’s swaged connectors on various sizes of ACSR & ACSS conductors. All test connectors, as tested, met the acceptance criteria of their specific governing standard. They are as follows:

- Class A, Current Cycle Test (500 cycles) as per ANSI C119.4 on swaged connectors connected to ACSR Bluebird conductor.
- Class AA, Current Cycle Test (500 cycles) as per ANSI C119.4 on swaged connectors connected to ACSR Bluebird conductor. Selected connectors were exposed to a total of 1000 current cycles.
- Mechanical Maximum Load Tests as per ANSI C119.4 on swaged connectors connected to ACSR Linnet, Drake and Bluebird conductors.
- Mechanical Sustained Load Tests as per ANSI C119.4 on swaged connectors connected to ACSR Linnet, Drake and Bluebird conductors.
- Sheave and Pullout Test sequence as per Kinectrics procedure on a swaged connector installed on ACSR Drake conductor.
- Corona and RIV Tests on swaged transmission connectors were conducted per NEMA CC1 up to 765 kV with added corona-control devices as outlined in report DMCP-0120EHV
- Sheave and Pullout Test sequence as per Kinectrics procedure on a swaged connector connected to ACSS Drake conductor.
- Class AA, Current Cycle Test (500 cycles) as per ANSI C119.4 on swaged connectors connected to ACSS Falcon conductor.
- Thermo-Mechanical Cycle Test as per Kinectrics procedure on swaged connectors connected to ACSS Drake conductor.

The mechanical and current cycling tests were performed on ACSR conductors January 16th, 2012 through January 14th, 2013 & ACSS conductors on April 24, 2014 through November 19, 2014.

HEADQUARTERS
Customer Service, Sales, Tooling Rental and Repair, Manufacturing, Engineering, Accounting
623 East Artesia Blvd.
Carson, CA 90746
Toll Free: 888-SWAGE-NOW
Direct: 310-323-1616
Fax: 310-715-9488
sales@dmcpower.com
www.dmcpower.com

EAST COAST SERVICE CENTER
Customer Service, Sales, Tooling Rental and Repair
98 Quigley Blvd.
New Castle, DE 19720
Direct: 302-276-0303
Fax: 302-689-4649

NORTHERN CALIFORNIA SERVICE CENTER
Customer Service, Sales, Tooling Rental and Repair
8413 Washington Blvd. Ste. 105
Roseville, CA 95678
Direct: 916-771-0431
Fax: 310-715-9488

CANADA SERVICE CENTER
Customer Service, Sales, Tooling Rental and Repair
Toronto, ON

Local Territory Manager: