



# Utility Grounding DIVISION







Utility Grounding Division

## ***97 Years of Manufacturing Heritage in the USA...***

Founded in 1922 by Paul N. Travis, Travis Pattern and Foundry began as a small business producing patterns for sand casting. As the company grew, nonferrous foundry operations were added and industrial castings became a major part of the business.

The company experienced significant growth in the 1970's when it began producing a proprietary line of irrigation products. Self propelled irrigation systems were developed; then, as the product lines grew, casting operations increased and steel forming and galvanizing capabilities were added.

From the mid 1980's until the present, nonferrous casting operations have increased and more diverse product lines have been added. The acquisition of Product Design Utility in 1992 gave us the ability to provide a full range of substation connectors. This led to the deployment of Travis Utility Grounding Division (UGD).

Travis Pattern and Foundry has experienced immense changes during its 97 years of business. Travis supplies an extensive range of products to a growing number of customers all over the world. Our facility has prevailed among the most modern anywhere. We continue to update our production equipment to keep up with new technology and provide the highest quality products available.

### **Terms and conditions of sale**

#### **Prices and Terms of Payment**

Quotations are firm when accepted within 30 days. Payment terms are net 30 days from date of invoice.

#### **Transportation of Shipments**

All prices are F.O.B. shipping point.

#### **Packaging**

Utility Grounding Division reserves the right to ship in standard packaging. All export or special types of packaging are subject to additional charges.

#### **Sales Tax**

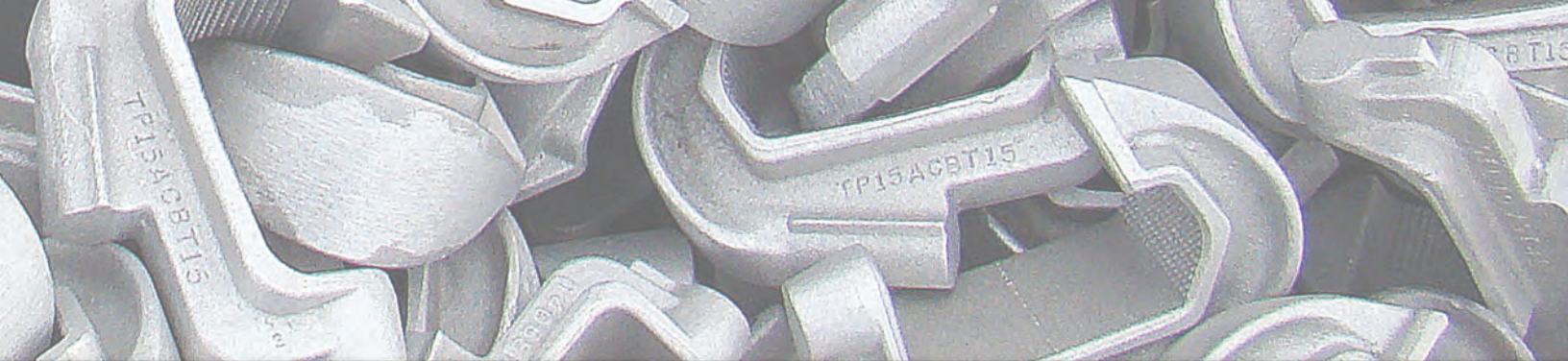
Prices do not include sales, use, excise or similar taxes. The Company reserves the right to add the net selling price to the amount of such tax as may be required by law.

#### **Limitation of Liability**

The Company's liability on any claim of any kind, including negligence, for any loss or damage resulting from a contract, from the manufacture, sale, resale, delivery, repair or use of our equipment furnished on a contract shall in no case exceed the price invoiced on the order. In no event shall the Company be liable for special or consequential damage.

#### **Guarantee**

Utility Grounding Division warrants that its manufactured products will be free from defects in material, workmanship, and title. If it appears within one year from date of shipment that the product does not meet the warranty specified under normal and proper use of the product, it will be repaired or replaced at the company's expense F.O.B. factory.



## ***Table of Contents:***

<b>SECTION</b>	<b>PAGE</b>
<b>C-Clamp</b>	<b>4-10</b>
<b>Ball Stud Clamp</b>	<b>11-13</b>
<b>Flat Clamp</b>	<b>14</b>
<b>IWCB Clamp</b>	<b>15</b>
<b>Duckbill Clamp</b>	<b>16</b>
<b>Vice Grip Clamp</b>	<b>17-18</b>
<b>Rail Clamp</b>	<b>19</b>
<b>Cut Out Clamp</b>	<b>20</b>
<b>Angle Clamp</b>	<b>21</b>
<b>Load Break Bushing</b>	<b>22</b>
<b>Load Break Elbow</b>	<b>23</b>
<b>Ferrules</b>	<b>24-25</b>
<b>Cable</b>	<b>26</b>
<b>Ground Kit</b>	<b>27</b>
<b>Meter Base</b>	<b>28</b>
<b>Hot Stick</b>	<b>29-32</b>
<b>Temporary Hot Arm</b>	<b>33</b>
<b>DLJ Tool</b>	<b>34</b>
<b>Ground Studs</b>	<b>35-40</b>
<b>Pole Clamp</b>	<b>41</b>
<b>Cluster Bar</b>	<b>42</b>
<b>Pole Ground Band</b>	<b>43</b>
<b>Breakaway Connector</b>	<b>44</b>
<b>Cast Strain Relief</b>	<b>45</b>
<b>I-Beam Clamp</b>	<b>46</b>
<b>Thumb Screw</b>	<b>47</b>
<b>Ball Stud Cover</b>	<b>48</b>
<b>Parking Stand &amp; CGT</b>	<b>49</b>
<b>T-Handle Adapter</b>	<b>50</b>
<b>Discharge Stick</b>	<b>51-53</b>
<b>Accessories</b>	<b>54-55</b>
<b>Index</b>	<b>56-57</b>





Utility Grounding Division

## C-CLAMPS



TP40ACAT15-001  
TP40BCAT15-001



TP75ACAT15  
TP75ACBT15



TP75BCAT15



TP75ACAT15-SR  
TP75BCAT15-SR



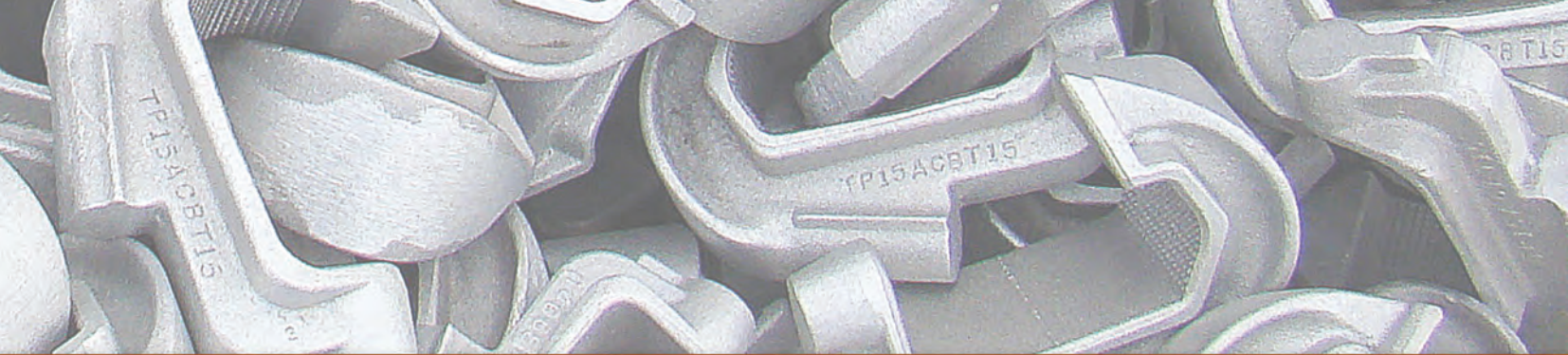
TP75ACAT15-VJ



TP75ACAT15-M-PG

PART NUMBER	MATERIAL	SIZE	JAW	MAIN LINE		CONDUCTOR CABLE OR BUS DIA. RANGE	MAX CURRENT FAULT RATING		LBS
				Min	Max				
TP40ACAT15-001	ALUMINUM	.40	SMOOTH	#6	266.8 AWG	0.125-.625	5H	47 kA @ 15 CYCLES, X/R=30	.75
TRAVIS PATTERN .40" ALUMINUM C-CLAMP, SMOOTH, THREADED 15 DEG									
TP40BCAT15-001	BRONZE	.40	SMOOTH	#6	266.8 AWG	0.125-.625	5H	47 kA @ 15 CYCLES, X/R=30	2
TRAVIS PATTERN .40" BRONZE C-CLAMP, SMOOTH, THREADED 15 DEG									
TP75ACAT15	ALUMINUM	3/4"	SMOOTH	#6	477 MCM	0.125-.80	5H	47 kA @ 15 CYCLES, X/R=30	1
TRAVIS PATTERN 3/4" ALUMINUM C-CLAMP, SMOOTH, THREADED 15 DEG									
TP75ACBT15	ALUMINUM	3/4"	SERRATED	#6	477 MCM	0.125-.80	5H	47 kA @ 15 CYCLES, X/R=30	1
TRAVIS PATTERN 3/4" ALUMINUM C-CLAMP, SERRATED, THREADED 15 DEG									
TP75BCAT15	BRONZE	3/4"	SMOOTH	#6	477 MCM	0.125-.80	5H	47 kA @ 15 CYCLES, X/R=30	3
TRAVIS PATTERN 3/4" BRONZE C-CLAMP, SERRATED, THREADED 15 DEG									
TP75ACAT15-SR	ALUMINUM	3/4"	SMOOTH	#6	477 MCM	0.125-.80	5H	47 kA @ 15 CYCLES, X/R=30	1
TRAVIS PATTERN 3/4" ALUMINUM C-CLAMP, SMOOTH, THREADED 15 DEG, W/ STRAIN RELIEF									
TP75BCAT15-SR	BRONZE	3/4"	SMOOTH	#6	477 MCM	0.125-.80	5H	47 kA @ 15 CYCLES, X/R=30	3
TRAVIS PATTERN 3/4" BRONZE C-CLAMP, SERRATED, THREADED 15 DEG, W/ STRAIN RELIEF									
TP75ACAT15-VJ	ALUMINUM	3/4"	SMOOTH	#6	477 MCM	0.125-.80	5H	47 kA @ 15 CYCLES, X/R=30	1
TRAVIS PATTERN 3/4" ALUMINUM C-CLAMP, SMOOTH, THREADED 15 DEG									
TP75ACAT15-M-PG	ALUMINUM	3/4"	SMOOTH	#6	477 MCM	0.125-.80	5H	47 kA @ 15 CYCLES, X/R=30	2
TRAVIS PATTERN 3/4" ALUMINUM C-CLAMP, MUSHROOM GROUNDING STUD, THREADED 15 DEG									

Continuous Current Rating: 400A



## C-CLAMPS



TP125ACAT15  
TP125ACBT15  
TP125BCAT15



TP125ACAT15-001  
TP125ACBT15-001  
TP125BCAT15-001



TP125ACAT5-SR-001  
TP125ACBT5-SR-001



TP125BCAT5-SR-001

PART NUMBER	MATERIAL	SIZE	JAW	MAIN LINE		CONDUCTOR CABLE OR BUS DIA. RANGE	MAX CURRENT FAULT RATING		LBS
				Min	Max				
TP125ACAT15	ALUMINUM	1 1/4"	SMOOTH	#6	1272 AAC	0.125-1.30	5H	47 kA @ 15 CYCLES, X/R=30	1.5
TRAVIS PATTERN 1-1/4" ALUMINUM C-CLAMP, SMOOTH, THREADED 15 DEG									
TP125ACBT15	ALUMINUM	1 1/4"	SERRATED	#6	1272 AAC	0.125-1.30	5H	47 kA @ 15 CYCLES, X/R=30	1.5
TRAVIS PATTERN 1-1/4" ALUMINUM C-CLAMP, SERRATED, THREADED 15 DEG									
TP125BCAT15	BRONZE	1 1/4"	SMOOTH	#6	1272 AAC	0.125-1.30	5H	47 kA @ 15 CYCLES, X/R=30	4
TRAVIS PATTERN 1-1/4" BRONZE C-CLAMP, SMOOTH, THREADED 15 DEG									
TP125ACAT15-001	ALUMINUM	1 1/4"	SMOOTH	#6	1272 AAC	0.125-1.30	GRADE 5	43 kA @ 15 CYCLES SYM- METRICAL	1.5
TRAVIS PATTERN 1-1/4" ALUMINUM C-CLAMP, SMOOTH, THREADED 15 DEG, WITH BILL									
TP125ACBT15-001	ALUMINUM	1 1/4"	SERRATED	#6	1272 AAC	0.125-1.30	GRADE 5	43 kA @ 15 CYCLES SYM- METRICAL	1.5
TRAVIS PATTERN 1-1/4" ALUMINUM C-CLAMP, SERRATED, THREADED 15 DEG, WITH BILL									
TP125BCAT15-001	BRONZE	1-1/4"	SMOOTH	#6	1272 AAC	0.125-1.30	GRADE 5	43 kA @ 15 CYCLES SYM- METRICAL	4
TRAVIS PATTERN 1-1/4" BRONZE C-CLAMP, SMOOTH, THREADED 15 DEG, WITH BILL									
TP125ACAT5-SR-001	ALUMINUM	1-1/4"	SMOOTH	#6	1272 AAC	0.125-1.30	6H	55 kA @ 15 CYCLES, X/R=30	1.30
TRAVIS PATTERN 1-1/4" AL C-CLAMP W/ BILL, SMOOTH, THREADED 5 DEG, 5/8-8 STUB ACME EYE SCREW, W. STRAIN RELIEF									
TP125ACBT5-SR-001	ALUMINUM	1-1/4"	SERRATED	#6	1272 AAC	0.125-1.30	6H	55 kA @ 15 CYCLES, X/R=30	1.30
TRAVIS PATTERN 1-1/4" AL C-CLAMP W/ BILL, SERRATED, THREADED 5 DEG, 5/8-8 STUB ACME EYE SCREW, W/ STRAIN RELIEF									
TP125BCAT5-SR-001	BRONZE	1-1/4"	SMOOTH	#6	1272 AAC	0.125-1.30	6H	55 kA @ 15 CYCLES, X/R=30	2.90
TRAVIS PATTERN 1-1/4" BR C-CLAMP W/ BILL, SMOOTH, THREADED 5 DEG, 5/8-8 STUB ACME EYE SCREW, STRAIN RELIEF									

Continuous Current Rating: 400A

PHONE: (509)466-3545 FAX: (509)467-6465





Utility Grounding Division

## C-CLAMPS



TP15ACAT15  
TP15ACBT15



TP15ACAT15-SR  
TP15ACBT15-SR

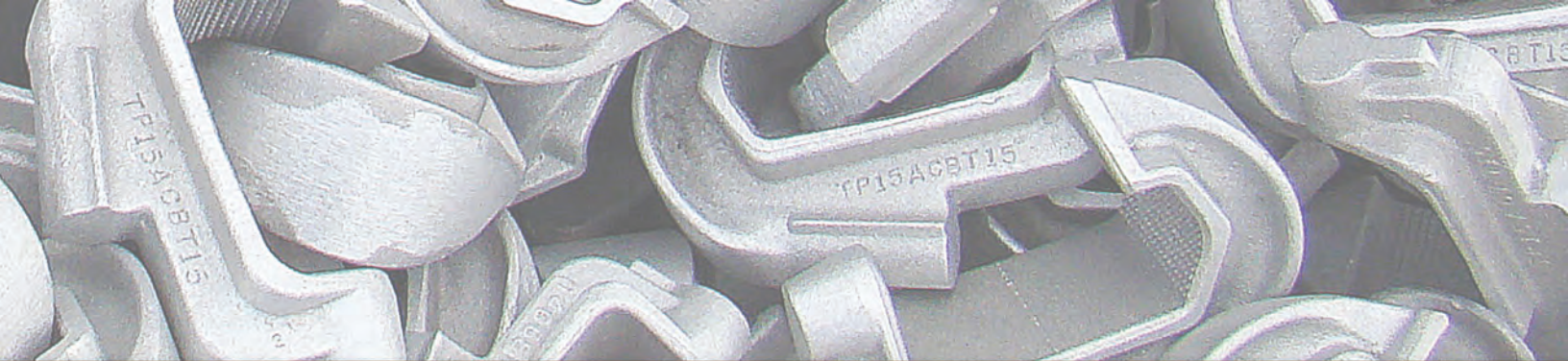


TP2ACAT15  
TP2ACBT15

PART NUMBER	MATERIAL	SIZE	JAW	MAIN LINE		CONDUCTOR CABLE OR BUS DIA. RANGE	MAX CURRENT FAULT RATING		LBS
				Min	Max				
TP15ACAT15	ALUMINUM	1-1/2"	SMOOTH	#6	1780 ACSR	0.125-1.625	5H	47 kA @ 15 CYCLES, X/R=30	1.5
TRAVIS PATTERN 1-1/2" ALUMINUM C-CLAMP, SMOOTH, THREADED 15 DEG									
TP15ACBT15	ALUMINUM	1-1/2"	SERRATED	#6	1780 ACSR	0.125-1.625	5H	47 kA @ 15 CYCLES, X/R=30	1.5
TRAVIS PATTERN 1-1/2" ALUMINUM C-CLAMP, SERRATED, THREADED 15 DEG									
TP15ACAT15-SR	ALUMINUM	1-1/2"	SMOOTH	#6	1780 ACSR	0.125-1.625	6H	55kA @ 15 CYCLES, X/R=30	1.5
TRAVIS PATTERN 1-1/2" ALUMINUM C-CLAMP, SMOOTH, THREADED 15 DEG, W/ STRAIN RELIEF									
TP15ACBT15-SR	ALUMINUM	1-1/2"	SERRATED	#6	1780 ACSR	0.125-1.625	6H	55 kA @ 15 CYCLES, X/R=30	1.5
TRAVIS PATTERN 1-1/2" ALUMINUM C-CLAMP, SERRATED, THREADED 15 DEG, W/ STRAIN RELIEF									
TP2ACAT15	ALUMINUM	2"	SMOOTH	#6	3500 AAC	0.125-2	5H	47 kA @ 15 CYCLES, X/R=30	2.5
TRAVIS PATTERN 2" ALUMINUM C-CLAMP, SMOOTH, THREADED 15 DEG									
TP2ACBT15	ALUMINUM	2"	SERRATED	#6	3500 AAC	0.125-2	5H	47 kA @ 15 CYCLES, X/R=30	2.5
TRAVIS PATTERN 2" ALUMINUM C-CLAMP, SERRATED, THREADED 15 DEG									

Continuous Current Rating: 400A





## C-CLAMPS



TP2ACAT15-SR  
TP2ACBT15-SR



TP2ACATSR-5H  
TP2ACBTSR-5H



TP2ACAPSR  
TP2ACBPSR

PART NUMBER	MATERIAL	SIZE	JAW	MAIN LINE		CONDUCTOR CABLE OR BUS DIA. RANGE	MAX CURRENT FAULT RATING		LBS
				Min	Max				
TP2ACAT15-SR	ALUMINUM	2"	SMOOTH	#6	3500 AAC	0.125-2.2	6H	55 kA @ 15 CYCLES, X/R=30	3.5
TRAVIS PATTERN 2" ALUMINUM C-CLAMP, SMOOTH, THREADED 15 DEG, W/ STRAIN RELIEF									
TP2ACBT15-SR	ALUMINUM	2"	SERRATED	#6	3500 AAC	0.125-2.2	6H	55 kA @ 15 CYCLES, X/R=30	3.5
TRAVIS PATTERN 2" ALUMINUM C-CLAMP, SERRATED, THREADED 15 DEG, W/ STRAIN RELIEF									
TP2ACATSR-5H	ALUMINUM	2"	SMOOTH	#6	3500 AAC	0.125-2.2	5H	47 kA @ 15 CYCLES, X/R=30	3.15
TRAVIS PATTERN 2" ALUMINUM C-CLAMP, SMOOTH, THREADED, W/ STRAIN RELIEF									
TP2ACBTSR-5H	ALUMINUM	2"	SERRATED	#6	3500 AAC	0.125-2.2	5H	47 kA @ 15 CYCLES, X/R=30	3.15
TRAVIS PATTERN 2" ALUMINUM C-CLAMP, SERRATED, THREADED 5/8-11, W/ STRAIN RELIEF									
TP2ACAPSR	ALUMINUM	2"	SMOOTH	#6	3500 AAC	0.125-2.2	GRADE 5	43 kA @ 15 CYCLES SYMMETRICAL	2.65
TRAVIS PATTERN 2" ALUMINUM C CLAMP, SMOOTH, PLUG, W/ STRAIN RELIEF									
TP2ACBPSR	ALUMINUM	2"	SERRATED	#6	3500 AAC	0.125-2.2	GRADE 5	43 kA @ 15 CYCLES SYMMETRICAL	2.65
TRAVIS PATTERN 2" ALUMINUM C CLAMP, SERRATED, PLUG, W/ STRAIN RELIEF									

Continuous Current Rating: 400A





Utility Grounding Division

## C-CLAMPS



TP2ASQAT15-SR



TP25ACAT  
TP25ACBT



TP25ACAT15  
TP25ACBT15

PART NUMBER	MATERIAL	SIZE	JAW	MAIN LINE		CONDUCTOR CABLE OR BUS DIA. RANGE	MAX CURRENT FAULT RATING		LBS
				Min	Max				
TP2ASQAT15-SR	ALUMINUM	2"	SMOOTH	1/4" X 1/4"	2" X 2"	0.125-2.625	6H	55KA @ 15 CYCLES, X/R=30	4.35
TRAVIS 2" ALUMINUM C-CLAMP SMOOTH, THREADED 15 DEG., .125"-2" SQUARE TUBE OR .125"-2.625" OD, W/ STRAIN RELIEF									
TP25ACAT	ALUMINUM	2-1/2"	SMOOTH	1/4"	2-1/2" IPS	0.125-2.875	5H	47 KA @ 15 CYCLES, X/R=30	3.5
TRAVIS PATTERN 2-1/2" ALUMINUM C-CLAMP, SMOOTH, THREADED INLINE									
TP25ACBT	ALUMINUM	2-1/2"	SERRATED	1/4"	2-1/2" IPS	0.125-2.875	5H	47 KA @ 15 CYCLES, X/R=30	3.5
TRAVIS PATTERN 2-1/2" ALUMINUM C-CLAMP, SERRATED, THREADED INLINE									
TP25ACAT15	ALUMINUM	2-1/2"	SMOOTH	1/4"	2-1/2" IPS	0.125-2.875	5H	47 KA @ 15 CYCLES, X/R=30	3.5
TRAVIS PATTERN 2-1/2" ALUMINUM C-CLAMP, SMOOTH, THREADED 15 DEG									
TP25ACBT15	ALUMINUM	2-1/2"	SERRATED	1/4"	2-1/2" IPS	0.125-2.875	5H	47 KA @ 15 CYCLES, X/R=30	3.5
TRAVIS PATTERN 2-1/2" ALUMINUM C-CLAMP, SERRATED, THREADED 15 DEG									

Continuous Current Rating: 400A





## C-CLAMPS



TP25ACATSR  
TP25ACBTSR



TP25ACAT10-SR



TP25ACAT15-SR  
TP25ACBT15-SR



TP35ACAT15-SR  
TP35ACBT15-SR

PART NUMBER	MATERIAL	SIZE	JAW	MAIN LINE		CONDUCTOR CABLE OR BUS DIA. RANGE	MAX CURRENT FAULT RATING		LBS
				Min	Max				
TP25ACATSR	ALUMINUM	2-1/2"	SMOOTH	DIA 5/8"	2-1/2"IPS	0.625-2.875	6H	55 kA @ 15 CYCLES, X/R=30	4
TRAVIS PATTERN 2-1/2" ALUMINUM C-CLAMP, SMOOTH, THREADED, W/ STRAIN RELIEF									
TP25ACBTSR	ALUMINUM	2-1/2"	SERRATED	DIA 5/8"	2-1/2"IPS	0.625-2.875	6H	55 kA @ 15 CYCLES, X/R=30	4
TRAVIS PATTERN 2-1/2" ALUMINUM C-CLAMP, SERRATED, THREADED, W/ STRAIN RELIEF									
TP25ACAT15-SR	ALUMINUM	2-1/2"	SMOOTH	DIA 5/8"	2-1/2"IPS	0.625-2.875	6H	55 kA @ 15 CYCLES, X/R=30	4
TRAVIS PATTERN 2-1/2" ALUMINUM C-CLAMP, SMOOTH, THREADED 15 DEG, W/ STRAIN RELIEF									
TP25ACBT15-SR	ALUMINUM	2-1/2"	SERRATED	DIA 5/8"	2-1/2"IPS	0.625-2.875	6H	55 kA @ 15 CYCLES, X/R=30	4
TRAVIS PATTERN 2-1/2" ALUMINUM C-CLAMP, SERRATED, THREADED 15 DEG, W/ STRAIN RELIEF									
TP25ACAT10-SR	ALUMINUM	2-1/2"	SMOOTH	DIA 5/8"	2-1/2"IPS	0.625-2.875	6H	55 kA @ 15 CYCLES, X/R=30	2.65
TRAVIS PATTERN 2-1/2" AL C-CLAMP, SMOOTH, THREADED 10 DEG, W/ STRAIN RELIEF									
TP35ACAT15-SR	ALUMINUM	3-1/2"	SMOOTH	DIA 1.125"	3" IPS	1.125-3.5	6H	55 kA @ 15 CYCLES, X/R=30	4.7
TRAVIS PATTERN 3-1/2" ALUMINUM C-CLAMP, SMOOTH, THREADED 15 DEG, W/ STRAIN RELIEF									
TP35ACBT15-SR	ALUMINUM	3-1/2"	SERRATED	DIA 1.125"	3" IPS	1.125-3.5	6H	55 kA @ 15 CYCLES, X/R=30	4.7
TRAVIS PATTERN 3-1/2" ALUMINUM C-CLAMP, SERRATED, THREADED 15 DEG, W/ STRAIN RELIEF									

Continuous Current Rating: 400A



Utility Grounding Division

## C-CLAMPS

### 6" AL C-CLAMP ROUND BUS

- 800A Continuous current rating with two 4/0 cables.
- Stainless Steel 1"-8 threaded eye screw tested at 400 lbs-in.
- Aluminum Casting 356-T6.



TP6ACAT15SR-15GS  
TP6ACBT15SR-15GS



TP6ACA-BS165  
TP6ACA-BS3065



TP6ARA2T20-S  
TP6ARB2T20-S  
TP6ARA2T20-S-ET

PART NUMBER	MATERIAL	SIZE	JAW	MAIN LINE		CONDUCTOR CABLE OR BUS DIA. RANGE	MAX CURRENT FAULT RATING		LBS
				Min	Max				
TP6ARA2T20-S	ALUMINUM	6"	SMOOTH	DIA 1/2"	6" IPS	.25-6.625	7H	68 kA @ 15 CYCLES, X/R=30	8
TRAVIS PATTERN 6" ALUMINUM ROUND BUS, SMOOTH, THREADED 20 DEG, 1-1/2" GROUND STUD									
TP6ARB2T20-S	ALUMINUM	6"	SERRATED	DIA 1/2"	DIA 6" IPS	.25-6.625	7H	68 kA @ 15 CYCLES, X/R=30	8
TRAVIS PATTERN 6" ALUMINUM ROUND BUS, SERRATED, THREADED 20 DEG, 1-1/2" GROUND STUD									
TP6ARA2T20-S-ET	ALUMINUM	6"	SMOOTH	DIA 1/2"	6" IPS	.25-6.625	7H	68 kA @ 15 CYCLES, X/R=30	8
TRAVIS PATTERN 6" ALUMINUM ROUND BUS, T-BUS, THREADED 15 DEG, 1-1/2" GROUND STUD									
TP6ACAT15SR-15GS	ALUMINUM	6"	SMOOTH	2-1/2 IPS"	6" IPS	2.875-6.625	MAX	85 kA @ 15 CYCLES, X/R=30	7.5
TRAVIS PATTERN 6" ALUMINUM C-CLAMP, SMOOTH, THREADED 15 DEG, 1-1/2" GROUND STUD									
TP6ACBT15SR-15GS	ALUMINUM	6"	SERRATED	2-1/2 IPS"	6" IPS	2.875-6.625	MAX	85 kA @ 15 CYCLES, X/R=30	7.5
TRAVIS PATTERN 6" ALUMINUM C-CLAMP, SERRATED, THREADED 15 DEG, 1-1/2" GROUND STUD									
TP6ACA-BS165	ALUMINUM	6"	SMOOTH	2 IPS"	6" IPS	2.375-6.625	7H	68 kA @ 15 CYCLES, X/R=30	6.90
TRAVIS 6" AL C-CLAMP SMOOTH, W/ 1IN BALL X 6 1/2" COPPER BALL STUD									
TP6ACA-BS3065	ALUMINUM	6"	SMOOTH	2 IPS"	6" IPS	2.375-6.625	7H	68 kA @ 15 CYCLES, X/R=30	6.90
TRAVIS 6" AL C-CLAMP SMOOTH, W/ 30MM BALL X 6 1/2" COPPER BALL STUD									

Continuous Current Rating: 400A





## 1" BALL CLAMPS

### 1" BALL SOCKET CLAMPS



BSC1A



BSC1A-T



BSC1A-SR

### 1.5" COMBO C-CLAMP 1" BALL



TP15ABSC1T15

PART NUMBER	MATERIAL	SIZE	JAW	MAIN LINE		MAX CURRENT FAULT RATING		LBS
				Min	Max			
BSC1A	BRONZE	1"	N/A	N/A	N/A	5H	47 kA @ 15 CYCLES, X/R=30	1.23
BALL SOCKET CLAMP, 1" BALL, EYE SCREW								
BSC1A-T	BRONZE	1"	N/A	N/A	N/A	5H	47 kA @ 15 CYCLES, X/R=30	1.23
BALL SOCKET CLAMP, 1" BALL, W/ T-HANDLE								
BSC1A-SR	BRONZE	1"	N/A	N/A	N/A	5H	47 kA @ 15 CYCLES, X/R=30	2.5
BALL SOCKET CLAMP, 1" BALL, W/ STRAIN RELIEF								
TP15ABSC1T15	ALUMINUM	1-1/2"	SMOOTH	#6	1590 ACSR	5H	47 kA @ 15 CYCLES, X/R=30	1.63
TRAVIS PATTERN ALUMINUM 1-1/2" C-CLAMP, 1" BALL SOCKET, THREADED 15 DEG.								

Continuous Current Rating: 400A



Utility Grounding Division

## 30mm BALL CLAMPS

### 30mm BALL SOCKET CLAMPS



BSC30A



BSC30A-SR

### 2" COMBO C-CLAMP 30mm BALL



TP2ABSC30T5-SR

PART NUMBER	MATERIAL	SIZE	JAW	MAIN LINE			MAX CURRENT FAULT RATING	LBS
				Min	Max			
BSC30A	BRONZE	30mm	N/A	N/A	N/A	5H	47 kA @ 15 CYCLES, X/R=30	2.15
BALL SOCKET CLAMP, 30MM DIA BALL								
BSC30A-SR	BRONZE	30mm	N/A	N/A	N/A	5H	47 kA @ 15 CYCLES, X/R=30	2.5
BALL SOCKET CLAMP, 30MM DIA BALL, W/ STRAIN RELIEF								
TP2ABSC30T5-SR	ALUMINUM	2-1/2"	SMOOTH	#6	2.20"	6H	55 kA @ 15 CYCLES, X/R=30	3.21
TRAVIS ALUMINUM 2", C-CLAMP AND 30MM BALL, STUD COMBINATION, DIA RANGE 1/8" - 2.2" , THREADED 5 DEG								

Continuous Current Rating: 400A





# 1.5" BALL CLAMPS

## 1.5" COMBO C-CLAMP 1.5" BALL

## 1".5 BALL SOCKET CLAMPS



BSC15A-SR



TP15ABSC15T15-SR

PART NUMBER	MATERIAL	SIZE	JAW	MAIN LINE		MAX CURRENT FAULT RATING		LBS
				Min	Max			
BSC15A-SR	BRONZE	1-1/2"	N/A	N/A	N/A	6H	55kA @ 15 CYCLES, X/R=30	4.25
BALL SOCKET CLAMP, 1-1/2" BALL, W/ STRAIN RELIEF								
TP15ABSC15T15-SR	ALUMINUM	1-1/2"	SMOOTH	#6	1590 ACSR	6H	55kA @ 15 CYCLES, X/R=30	2.5
TRAVIS PATTERN ALUMINUM 1-1/2" C-CLAMP, 1.5" BALL SOCKET, THREADED 15 DEG, W/ STRAIN RELIEF								

Continuous Current Rating: 400A



Utility Grounding Division

## FLAT CLAMPS

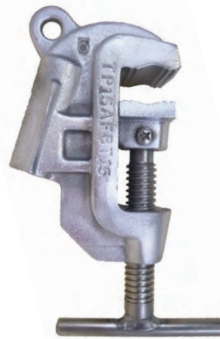
### 1.5" FLAT CLAMPS



TP15AFBT15



TP15BFBT15



TP15AFBT15-T



TP15BFBT15-T

### 0.5" FLAT CLAMP



TP50AFB

PART NUMBER	MATERIAL	SIZE	JAW	FLAT BUS BAR RANGE	MAX CURRENT FAULT RATING		CONTINUOUS RATING	LBS
TP15AFBT15	ALUMINUM	1-1/2"	SERRATED	0"-1.5"	GRADE 5	43 kA @ 15 CYCLES, SYMMETRICAL	400A	2.13
TRAVIS PATTERN 1-1/2" ALUMINUM FLAT CLAMP, SERRATED, THREADED 15 DEG								
TP15BFBT15	BRONZE	1-1/2"	SERRATED	0"-1.5"	5H	47 kA @ 15 CYCLES, X/R=30	400A	5.13
TRAVIS PATTERN 1-1/2" BRONZE FLAT CLAMP, SERRATED, THREADED 15 DEG								
TP15AFBT15-T	ALUMINUM	1-1/2"	SERRATED	0"-1.5"	GRADE 5	43 kA @ 15 CYCLES, SYMMETRICAL	400A	2.13
TRAVIS PATTERN 1-1/2" ALUMINUM FLAT CLAMP, SERRATED, THREADED 15 DEG, T-HANDLE								
TP15BFBT15-T	BRONZE	1-1/2"	SERRATED	0"-1.5"	GRADE 5	43 kA @ 15 CYCLES, SYMMETRICAL	400A	2.13
TRAVIS PATTERN 1-1/2" BRONZE FLAT CLAMP, SERRATED, THREADED 15 DEG, T-HANDLE								
TP50AFB	ALUMINUM	1/2"	SERRATED	0"-0.5"	-	-	45A	.05
1/2" AL CLAMP FLAT SERRATED								

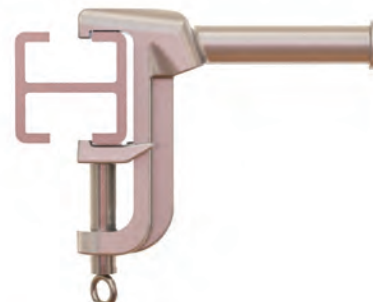




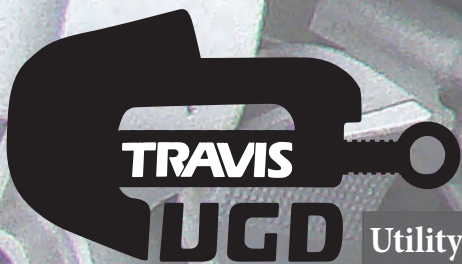
## IWCB CLAMP

### 4"-6" IWCB DOUBLE THREADED 15 DEG

- 800A continuous current rating.
- Stainless Steel 1"-8 threaded eye screw tested at 400 lbs-in.
- 1-1/2" X 6" long ground stud.
- Aluminum Casting 356-T6.
- Serrated surface on both body and jaw.



PART NUMBER	MATERIAL	SIZE	JAW	MAIN LINE		MAX CURRENT FAULT RATING		LBS
				Min	Max			
TPIWCB4X6BT15GS	ALUMINUM	6"	SERRATED	4"	6"	7H	68kA @ 15 CYCLES X/R 30	5.0
TRAVIS PATTERN INTEGRAL WEB CHANNEL BUS CONDUCTOR C-CLAMP 4" X 6" (SERRATED) 2X 15 DEG (TO 1.5" GROUNDING STUD)								



Utility Grounding Division

## DUCKBILL



TP125ADAT15  
TP125ADBT15



TP15ADAT15  
TP15ADBT15

### DUCKBILL CLAMP THREADED 15 DEG

- 400A continuous current rating.
- Stainless Steel 3/4-10 threaded. Eye screw - tested at 400 lbs-in.
- Aluminum Casting 356-T6.

PART NUMBER	MATERIAL	SIZE	JAW	MAIN LINE		CONDUCTOR CABLE OR BUS DIA. RANGE	MAX CURRENT FAULT RATING		LBS
				Min	Max				
TP125ADAT15	ALUMINUM	1-1/4"	SMOOTH	#6	1033.5 MCM	0.125-1.25	5H	47 kA @ 15 CYCLES, X/R=30	2
TRAVIS PATTERN 1-1/4" ALUMINUM DUCKBILL CLAMP, SMOOTH, THREADED 15 DEG									
TP125ADBT15	ALUMINUM	1-1/4"	SERRATED	#6	1033.5 MCM	0.125-1.25	5H	47 kA @ 15 CYCLES, X/R=30	2
TRAVIS PATTERN 1-1/4" ALUMINUM DUCKBILL CLAMP, SERRATED, THREADED 15 DEG									
TP15ADAT15	ALUMINUM	1-1/2"	SMOOTH	#6	1.5 DIA CABLE OR BUS	0.125-1.625	5H	47 kA @ 15 CYCLES, X/R=30	2.25
TRAVIS PATTERN 1-1/2" ALUMINUM DUCKBILL CLAMP, SMOOTH, THREADED 15 DEG									
TP15ADBT15	ALUMINUM	1-1/2"	SERRATED	#6	1.5 DIA CABLE OR BUS	0.125-1.625	5H	47 kA @ 15 CYCLES, X/R=30	2.25
TRAVIS PATTERN 1-1/2" ALUMINUM DUCKBILL CLAMP, SERRATED, THREADED 15 DEG									

Continuous Current Rating: 400A





**VICE GRIP**

**VICE GRIP CLAMP 1" DIA,  
1 HOLE PAD**



GCVG1



GCVG1E

**VICE GRIP CLAMP 1" DIA,  
THREADED 5/8-11**



GCVG1-58T



GCVG1E-58T

**VICE GRIP CLAMP 1" DIA,  
THREADED 5/8-11, SIDE MOUNT**



GCVG3-58T



GCVG3E-58T

PART NUMBER	MATERIAL	SIZE	JAW	SERRATED	MAIN LINE		MAX CURRENT FAULT RATING		LBS
					Min	Max			
GCVG1	BRONZE	1"	SMOOTH	NO	.25"	1"	5	43 kA @ 15 CYCLES SYMMETRICAL	2
GROUND CLAMP, VICE GRIP 1" DIA, 1 HOLE PAD									
GCVG1E	BRONZE	1"	SMOOTH	NO	.25"	1"	5	43 kA @ 15 CYCLES SYMMETRICAL	2
GROUND CLAMP, VICE GRIP 1" DIA, 1 HOLE PAD, EYE SCREW									
GCVG1-58T	BRONZE	1"	SMOOTH	NO	.25"	1"	5	43 kA @ 15 CYCLES SYMMETRICAL	2
GROUND CLAMP, VICE GRIP 1" DIA, 5/8-11 THREAD									
GCVG1E-58T	BRONZE	1"	SMOOTH	NO	.25"	1"	5	43 kA @ 15 CYCLES SYMMETRICAL	2
GROUND CLAMP, VICE GRIP 1" DIA, 5/8-11 THREAD, EYE SCREW									
GCVG3-58T	BRONZE	1"	SMOOTH	NO	.25"	1"	5	43 kA @ 15 CYCLES SYMMETRICAL	2
GROUND CLAMP, VICE GRIP 1" DIA, SIDE MOUNT 5/8-11									
GCVG3E-58T	BRONZE	1"	SMOOTH	NO	.25"	1"	5	43 kA @ 15 CYCLES SYMMETRICAL	2
GROUND CLAMP, VICE GRIP 1" DIA, SIDE MOUNT 5/8-11, EYE SCREW									

Continuous Current Rating: 400A



Utility Grounding Division

## VICE GRIP

### VICE GRIP CLAMP 1" DIA, 1 HOLE PAD



GCVG2



GCVG2E

### VICE GRIP CLAMP 1" DIA, THREADED 5/8-11



GCVG2-58T



GCVG2E-58T

PART NUMBER	MATERIAL	SIZE	JAW	SER- RATED	MAIN LINE		MAX CURRENT FAULT RATING		LBS
					Min	Max			
GCVG2	BRONZE	1"	SMOOTH	NO	.25"	1"	2H	25 kA @ 15 CYCLES X/R=30	2
GROUND CLAMP, VICE GRIP, FLAT JAW, 1 HOLE PAD									
GCVG2E	BRONZE	1"	SMOOTH	NO	.25"	1"	2H	25 kA @ 15 CYCLES X/R=30	2
GROUND CLAMP, VICE GRIP, FLAT JAW, 1 HOLE PAD, EYE SCREW									
GCVG2-58T	BRONZE	1"	SMOOTH	NO	.25"	1"	2H	25 kA @ 15 CYCLES X/R=30	2
GROUND CLAMP, VICE GRIP, FLAT JAW, 5/8-11 THREAD									
GCVG2E-58T	BRONZE	1"	SMOOTH	NO	.25"	1"	2H	25 kA @ 15 CYCLES X/R=30	2
GROUND CLAMP, VICE GRIP, FLAT JAW, 5/8-11 THREAD, EYE SCREW									

Continuous Current Rating: 400A





## RAIL CLAMPS

### 90-136LBS UNDER RAIL CLAMP

- 400A continuous current rating.
- Stainless Steel 5/8-11 threaded toggle handle - tested at 400 lbs-in.
- The AL 356-T6 body keeps the overall weight of the assembly down, while maintaining strength of the assembly
- The 878 SiBr reversible jaw gives you wide range capability and added strength for durability.



TP56RC90136

### 90-136LBS TOP RAIL CLAMP

- 400A continuous current rating
- Stainless Steel 3/4-6 Stub ACME threaded eye screw - tested at 400 lbs-in.
- Available in Aluminum 356-T6.



TP90136TRC

PART NUMBER	MATERIAL	SIZE	JAW	MAIN LINE		MAX CURRENT FAULT RATING		LBS
				Min	Max			
TP56RC90136	ALUMINUM	90-136 LBS	SMOOTH	5"	6"	GRADE 5	43 kA @ 15 CYCLES SYMMETRICAL	5
TRAVIS PATTERN, 5"-6" UNDER RAIL CLAMP, 90-136 LBS								
TP90136TRC	ALUMINUM	90-136 LBS RAIL	SERRATED	90 LB RAIL	136 LB RAIL	5H	47 kA @ 15 CYCLES, X/R=30	2
TRAVIS PATTERN, TOP RAIL CLAMP 90-136LBS RAIL W/ SLIDING T-HANDLE.								



Utility Grounding Division

## CUTOUT CLAMP

### ALUMINUM CUTOUT CLAMP

- 300A continuous current rating.
- Stainless Steel 5/8-11 threaded eye screw - tested at 400 lbs-in.
- Available in Aluminum 356-T6



TPACCT15



TPACCT15-2PS

PART NUMBER	MATERIAL	DESCRIPTION	MAX CURRENT FAULT RATING		LBS
TPACCT15	ALUMINUM	AL CUTOUT CLAMP, THREADED 15 DEG	GRADE 3	27 kA @ 15 CYCLES, SYMMETRICAL	
TPACCT15-2PS	ALUMINUM	AL CUTOUT CLAMP, THREADED 15 DEG w/ 3/4" PARKING DOUBLE STUD	GRADE 3	27 kA @ 15 CYCLES, SYMMETRICAL	





**ANGLE**



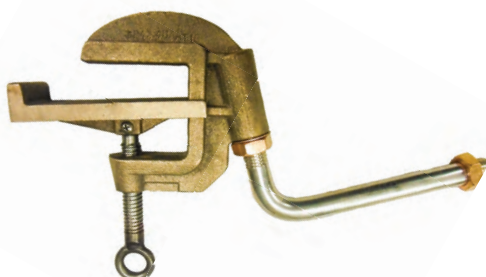
TP3X3BAT-SR



TP4X4BAAT15-BS15



TP3X3A-15GS



TP4X4BAAT15-GS47



TP6X6A-15GS

PART NUMBER	MATERIAL	SIZE	JAW	MAIN LINE		MAX CURRENT FAULT RATING		LBS
				Min	Max			
TP3X3BAT-SR	BRONZE	3"X 3"	SMOOTH	1-1/2"	3"	6H	55 kA @ 15 CYCLES, X/R=30	3.8
TRAVIS PATTERN, 3X3 BRONZE ANGLE CLAMP W/ STRAIN RELIEF								
TP4X4BAAT15-SR	BRONZE	4"X 4"	SMOOTH	1-1/2"	4"	6H	55 kA @ 15 CYCLES, X/R=30	5
TRAVIS PATTERN, 4X4 BRONZE ANGLE, SMOOTH, THREADED 15 DEG, W/ STRAIN RELIEF								
TP4X4BAAT15-BS15	BRONZE	4"X 4"	SMOOTH	1-1/2"	4"	6H	55 kA @ 15 CYCLES, X/R=30	6
TRAVIS PATTERN, 4X4 BRONZE ANGLE, SMOOTH, THREADED 15 DEG, BALL STUD								
TP4X4BAAT15-GS47	BRONZE	4"X 4"	SMOOTH	1-1/2"	4"	6H	55 kA @ 15 CYCLES, X/R=30	6
TRAVIS, 4X4 BRONZE ANGLE, SMOOTH, THREADED 15 DEG, GROUND STUD 3/4X4X7								
TP3X3A-15GS	ALUMINUM	3"X 3"	SMOOTH	1-1/2"	3"	MAX	85 kA @ 15 CYCLES, X/R=30	7.8
TRAVIS PATTERN, 3X3 ALUMINUM FLAT/ANGLE CLAMP WITH 1.5" X 6" STUD								
TP6X6A-15GS	ALUMINUM	6"X 6"	SMOOTH	3"	6"	MAX	85 kA @ 15 CYCLES, X/R=30	9
TRAVIS PATTERN, 6X6 ALUMINUM FLAT/ANGLE CLAMP WITH 1.5" X 6" STUD								

Continuous Current Rating: 400A



Utility Grounding Division

## LOAD BREAK BUSHING

### 200 AMP LOAD BREAK GROUND BUSHING & ASSEMBLIES



PART NUMBER	RATING	CABLE SIZE	TYPE	COLOR	CLAMP
LBB15	15kA @ 15 CYCLES SYMMETRICAL	N/A	N/A	N/A	N/A
LOAD BREAK BUSHING, 15KV, W/OUT THREADED CONNECTOR					
LBB15C	15kA @ 15 CYCLES SYMMETRICAL	N/A	N/A	N/A	N/A
LOAD BREAK BUSHING, 15KV W/THREADED CONNECTOR					
LBB156G	15kA @ 15 CYCLES SYMMETRICAL	1/0	TYPE K	CLEAR	3/4"
LOAD BREAK BUSHING GROUND, 15KV, 6' GROUND LEAD, CLAMP					
LBB1533G	15kA @ 15 CYCLES SYMMETRICAL	1/0	TYPE K	CLEAR	3/4"
LOAD BREAK BUSHING GROUND CLUSTER, 15KV, 3-3' LEADS, 10' COMMON					
LBB25	15kA @ 15 CYCLES SYMMETRICAL	N/A	N/A	N/A	N/A
LOAD BREAK BUSHING, 25KV, W/OUT THREADED CONNECTOR					
LBB25C	15kA @ 15 CYCLES SYMMETRICAL	N/A	N/A	N/A	N/A
LOAD BREAK BUSHING, 25KV W/ THREADED CONNECTOR					
LBB256G	15kA @ 15 CYCLES SYMMETRICAL	1/0	TYPE K	CLEAR	3/4"
LOAD BREAK BUSHING GROUND, 25KV, 6' GROUND LEAD, CLAMP					
LBB2533G	15kA @ 15 CYCLES SYMMETRICAL	1/0	TYPE K	CLEAR	3/4"
LOAD BREAK BUSHING GROUND CLUSTER, 25KV, 3-3' LEADS, 10' COMMON					

ASSEMBLIES ARE AVAILABLE IN 2/0 CABLE UPON REQUEST





## LOAD BREAK ELBOW

### 200 AMP LOAD BREAK ELBOW GROUND & ASSEMBLIES



PART NUMBER	RATING	CABLE SIZE	TYPE	COLOR	CLAMP
LBE15C	15kA @ 15 CYCLES SYMMETRICAL	N/A	N/A	N/A	N/A
LOAD BREAK ELBOW, 15KV W/THEADED CONNECTOR AND PROBE					
LBE153G	15kA @ 15 CYCLES SYMMETRICAL	1/0	TYPE K	YELLOW	3/4"
LOAD BREAK ELBOW GROUND, 15KV, 3' GROUND LEAD, 3/4 AL C-CLAMP					
LBE156G	15kA @ 15 CYCLES SYMMETRICAL	1/0	TYPE K	YELLOW	3/4"
LOAD BREAK ELBOW GROUND, 15KV, 6' GROUND LEAD, 3/4 AL C-CLAMP					
LBE158G	15kA @ 15 CYCLES SYMMETRICAL	1/0	TYPE K	YELLOW	3/4"
LOAD BREAK ELBOW GROUND, 15KV, X 8' GROUND LEAD, CLAMP					
LBE1533G	15kA @ 15 CYCLES SYMMETRICAL	1/0	TYPE K	YELLOW	3/4"
LOAD BREAK ELBOW GROUND CLUSTER, 15KV, 3-3' LEADS, 10' COMMON					
LBE1536G	15kA @ 15 CYCLES SYMMETRICAL	1/0	TYPE K	YELLOW	3/4"
LOAD BREAK ELBOW CLUSTER, 15KV, 3-6' LEADS, 3/4" AL C-CLAMP					
LBE25C	15kA @ 15 CYCLES SYMMETRICAL	N/A	N/A	N/A	N/A
LOAD BREAK ELBOW, 25KV W/THEADED CONNECTOR AND PROBE					
LBE256G	15kA @ 15 CYCLES SYMMETRICAL	1/0	TYPE K	YELLOW	3/4"
LOAD BREAK ELBOW GROUND, 25KV, 6' GROUND LEAD, CLAMP					
LBE2533G	15kA @ 15 CYCLES SYMMETRICAL	1/0	TYPE K	YELLOW	3/4"
LOAD BREAK ELBOW GROUND CLUSTER, 25KV, 3-3' LEADS, 10' COMMON					
LBE35LI	15kA @ 15 CYCLES SYMMETRICAL	N/A	N/A	N/A	N/A
LOAD BREAK ELBOW, 35KV, LARGE INTERFACE, W/THEADED CONNECTOR AND PROBE					
LBE35LI6G	15kA @ 15 CYCLES SYMMETRICAL	2/0	TYPE K	YELLOW	3/4"
LOAD BREAK ELBOW GROUND, 35KV, LARGE INTERFACE, 6FT 2/0 YELLOW GROUND					
LBE35LI33G	15kA @ 15 CYCLES SYMMETRICAL	2/0	TYPE K	YELLOW	3/4"
LOAD BREAK ELBOW GROUND CLUSTER, 35KV ,LARGE INTERFACE, 3-3' LEADS, 10' COMMON					

ASSEMBLIES ARE AVAILABLE IN 2/0 CABLE UPON REQUEST

PHONE: (509)466-3545 FAX: (509)467-6465



Utility Grounding Division

## FERRULES



CF20PS



CF20TS

PART NUMBER	RATING	CABLE SIZE	TYPE	COLOR	CLAMP
CFN2PS	CDA 110	#2	SHROUDED	PLUG	N/A
COPPER FERRULE #2 PLUG, SHROUDED					
CF10PS	CDA 110	1/0	SHROUDED	PLUG	N/A
COPPER FERRULE 1/0 PLUG, SHROUDED					
CF20PS	CDA 110	2/0	SHROUDED	PLUG	N/A
COPPER FERRULE 2/0 PLUG, SHROUDED					
CF40PS	CDA 110	4/0	SHROUDED	PLUG	N/A
COPPER FERRULE 4/0 PLUG, SHROUDED					
CFN2TS	CDA 110	#2	SHROUDED	THREADED	5/8-11 UNC
COPPER FERRULE #2 THREADED 5/8-11, SHROUDED					
CF10TS	CDA 110	1/0	SHROUDED	THREADED	5/8-11 UNC
COPPER FERRULE 1/0 THREADED 5/8-11, SHROUDED					
CF20TS	CDA 110	2/0	SHROUDED	THREADED	5/8-11 UNC
COPPER FERRULE 2/0 THREADED 5/8-11, SHROUDED					
CF40TS	CDA 110	4/0	SHROUDED	THREADED	5/8-11 UNC
COPPER FERRULE 4/0 THREADED 5/8-11, SHROUDED					

Travis shrouded ferrules are impact extruded from CDA-110 copper and annealed to max hardness of R/F 60 for crimping applications.

Shrouded ferrules add extra strength for clamps without strain reliefs and assemblies subject to higher fault current.

Shrouded ferrules are available in threaded, non-threaded (Plug), tin plated or non-plated.

Threaded ferrules are supplied with lock washer and jam nut.

For tin plated ferrules add suffix (T) at the end of the part number. EX) CFN2PS-T





## FERRULES



CF20PU



CF20TU

PART NUMBER	RATING	CABLE SIZE	TYPE	COLOR	CLAMP
CFN2PU	CDA 110	#2	UNSHROUDED	PLUG	N/A
COPPER FERRULE #2 PLUG, UNSHROUDED					
CF10PU	CDA 110	1/0	UNSHROUDED	PLUG	N/A
COPPER FERRULE 1/0 PLUG, UNSHROUDED					
CF20PU	CDA 110	2/0	UNSHROUDED	PLUG	N/A
COPPER FERRULE 2/0 PLUG, UNSHROUDED					
CF40PU	CDA 110	4/0	UNSHROUDED	PLUG	N/A
COPPER FERRULE 4/0 PLUG, UNSHROUDED					
CFN2TU	CDA 110	#2	UNSHROUDED	THREADED	5/8-11 UNC
COPPER FERRULE #2 THREADED 5/8-11, UNSHROUDED					
CF10TU	CDA 110	1/0	UNSHROUDED	THREADED	5/8-11 UNC
COPPER FERRULE 1/0 THREADED 5/8-11, UNSHROUDED					
CF20TU	CDA 110	2/0	UNSHROUDED	THREADED	5/8-11 UNC
COPPER FERRULE 2/0 THREADED 5/8-11, UNSHROUDED					
CF40TU	CDA 110	4/0	UNSHROUDED	THREADED	5/8-11 UNC
COPPER FERRULE 4/0 THREADED 5/8-11, UNSHROUDED					
CF350TU	CDA 110	350	UNSHROUDED	THREADED	5/8-11 UNC
COPPER FERRULE 350 MCM THREADED 5/8-11, UNSHROUDED					

Travis unshrouded ferrules are impact extruded from CDA-110 copper and annealed to max hardness of R/F 60 for crimping applications.

Unshrouded ferrules are available threaded, non-threaded (Plug), tin plated or non-plated.

Threaded ferrules are supplied with lock washer and jam nut.

For tin plated ferrules add suffix (T) at the end of the part number. EX) CFN2PU-T



Utility Grounding Division

## CABLE

### Class K Flexible Ground Cables

- *Thermoplastic Elastomer (TPE) single insulation*
- *Yellow jacket in stock*
- *Custom color or stripped jacket per request*
- *ASTM B-3 annealed copper wire*
- *Manufactured per ASTM F855 specifications*
- *Temperature Rating: -49°C to +105°C*



Size	Stranding#/Construction		Conductor Nominal OD (Inches)	Nominal Finished OD (Inches)	Approx. Weight (lbs./ M ft.)
#2	665	7x95/30	0.320	0.540	270
1/0	1064	19x56/30	0.397	0.617	420
2/0	1330	19x70/30	0.450	0.670	520
4/0	2109	19x111/30	0.580	0.800	790
250	2499	7x7x51/30	0.682	0.902	960
350	3458	7x19x26/30	0.830	1.050	1320







## GROUND KIT

### **GK00014**

TRAVIS 2/0 YELLOW GROUND KIT



Part Number	Description
GS2/0YC25-00018	GROUND SET, 2/0 YELLOW CABLE 25', (2) TP125ACAT15-001 (1-1/4" AL SMOOTH C-CLAMP W/ BILL), UNSHROUDED THREADED FERRULES
GS2/0YC4-00018-P1	GROUND SET, 2/0 YELLOW CABLE 4', (2) TP125ACAT15-001 (1-1/4" AL SMOOTH C-CLAMP W/ BILL), UNSHROUDED THREADED FERRULES, (1) PARKING STUD
GS2/0YC6-00018-P1	GROUND SET, 2/0 YELLOW CABLE 6', (2) TP125ACAT15-001 (1-1/4" AL SMOOTH C-CLAMP W/ BILL), UNSHROUDED THREADED FERRULES, (1) PARKING STUD
GS2/0YC12-00018-P1	GROUND SET, 2/0 YELLOW CABLE 12', (2) TP125ACAT15-001 (1-1/4" AL SMOOTH C-CLAMP W/ BILL), UNSHROUDED THREADED FERRULES, (1) PARKING STUD
KB001Y	UGD UTILITY KIT BAG 0001 YELLOW 27 X 14 X 9.5 VINYL COATED NYLON
CPB-DE-1	ALUMINUM GROUNDING JUNCTION RACK, SIDE MOUNT
TP25GSS-PS	STAINLESS SINGLE PARKING STAND



Utility Grounding Division

## ***METER BASE GROUND ADAPTER***

**PN: GSN2YC7-00167**

GROUND SET, #2 YELLOW CABLE 7FT, (1) TP40ACAT15-001 (AL .40 C-CLAMP), (1) METER BASE GROUND ADAPTER



The meter base ground adapter is used for personal protection and is designed to prevent inadvertent back feed voltage from alternate energy sources such as generators and solar.







## ***HOT STICKS***



### **HEX TO CAP**

PART NUMBER	PRIMARY	SECONDARY	DIA	OAL	DESCRIPTION
HSH112C	HEX, QC, 5/8-11	CAP	1"	12"	HOT STICK, 1" X 12" FOAM FILLED FIBER GLASS, HEX, CAP
HSH124C				24"	HOT STICK, 1" X 24" FOAM FILLED FIBER GLASS, HEX, CAP
HSH132C				32"	HOT STICK, 1" X 32" FOAM FILLED FIBER GLASS, HEX, CAP
HSH136C				36"	HOT STICK, 1" X 36" FOAM FILLED FIBER GLASS, HEX, CAP
HSH144C				44"	HOT STICK, 1" X 44" FOAM FILLED FIBER GLASS, HEX, CAP
HSH148C				48"	HOT STICK, 1" X 48" FOAM FILLED FIBER GLASS, HEX, CAP
HSH172C				72"	HOT STICK, 1" X 72" FOAM FILLED FIBER GLASS, HEX, CAP
HSH178C				78"	HOT STICK, 1" X 78" FOAM FILLED FIBER GLASS, HEX,CAP
HSH196C				96"	HOT STICK, 1" X 96" FOAM FILLED FIBER GLASS, HEX, CAP
HSH1120C				120"	HOT STICK, 1" X 120" FOAM FILLED FIBER GLASS, HEX, CAP
HSH1144C				144"	HOT STICK, 1" X 144" FOAM FILLED FIBER GLASS, HEX, CAP
HSH12512C			1-1/4"	12"	HOT STICK, 1.25" X 12" FOAM FILLED FIBER GLASS, HEX, CAP
HSH12524C				24"	HOT STICK, 1.25" X 24" FOAM FILLED FIBER GLASS, HEX, CAP
HSH12532C				32"	HOT STICK, 1.25" X 32" FOAM FILLED FIBER GLASS, HEX, CAP
HSH12536C				36"	HOT STICK, 1.25" X 36" FOAM FILLED FIBER GLASS, HEX, CAP
HSH12544C				44"	HOT STICK, 1.25" X 44" FOAM FILLED FIBER GLASS, HEX, CAP
HSH12548C				48"	HOT STICK, 1.25" X 48" FOAM FILLED FIBER GLASS, HEX, CAP
HSH12572C				72"	HOT STICK, 1.25" X 72" FOAM FILLED FIBER GLASS, HEX, CAP
HSH12578C				78"	HOT STICK, 1.25" X 78" FOAM FILLED FIBER GLASS, HEX, CAP
HSH12596C				96"	HOT STICK, 1.25" X 96" FOAM FILLED FIBER GLASS, HEX, CAP
HSH125120C				120"	HOT STICK, 1.25" X 120" FOAM FILLED FIBER GLASS, HEX, CAP
HSH125144C				144"	HOT STICK, 1.25" X 144" FOAM FILLED FIBER GLASS, HEX, CAP



Utility Grounding Division

## HOT STICKS



### HEX TO HEX

PART NUMBER	PRIMARY	SECONDARY	DIA	OAL	DESCRIPTION
HSH112H	HEX, QC, 5/8-11	HEX, QC, 5/8-11	1"	12"	HOT STICK, 1" X 12" FOAM FILLED FIBER GLASS, HEX, HEX
HSH124H				24"	HOT STICK, 1" X 24" FOAM FILLED FIBER GLASS, HEX, HEX
HSH132H				32"	HOT STICK, 1" X 32" FOAM FILLED FIBER GLASS, HEX, HEX
HSH136H				36"	HOT STICK, 1" X 36" FOAM FILLED FIBER GLASS, HEX, HEX
HSH144H				44"	HOT STICK, 1" X 44" FOAM FILLED FIBER GLASS, HEX, HEX
HSH148H				48"	HOT STICK, 1" X 48" FOAM FILLED FIBER GLASS, HEX, HEX
HSH172H				72"	HOT STICK, 1" X 72" FOAM FILLED FIBER GLASS, HEX, HEX
HSH178H				78"	HOT STICK, 1" X 78" FOAM FILLED FIBER GLASS, HEX, HEX
HSH196H				96"	HOT STICK, 1" X 96" FOAM FILLED FIBER GLASS, HEX, HEX
HSH1120H				120"	HOT STICK, 1" X 120" FOAM FILLED FIBER GLASS, HEX, HEX
HSH1144H				144"	HOT STICK, 1" X 144" FOAM FILLED FIBER GLASS, HEX, HEX
HSH12512H			1-1/4"	12"	HOT STICK, 1.25" X 12" FOAM FILLED FIBER GLASS, HEX, HEX
HSH12524H				24"	HOT STICK, 1.25" X 24" FOAM FILLED FIBER GLASS, HEX, HEX
HSH12532H				32"	HOT STICK, 1.25" X 32" FOAM FILLED FIBER GLASS, HEX, HEX
HSH12536H				36"	HOT STICK, 1.25" X 36" FOAM FILLED FIBER GLASS, HEX, HEX
HSH12544H				44"	HOT STICK, 1.25" X 44" FOAM FILLED FIBER GLASS, HEX, HEX
HSH12548H				48"	HOT STICK, 1.25" X 48" FOAM FILLED FIBER GLASS, HEX, HEX
HSH12572H				72"	HOT STICK, 1.25" X 72" FOAM FILLED FIBER GLASS, HEX, HEX
HSH12578H				78"	HOT STICK, 1.25" X 78" FOAM FILLED FIBER GLASS, HEX, HEX
HSH12596H				96"	HOT STICK, 1.25" X 96" FOAM FILLED FIBER GLASS, HEX, HEX
HSH125120H				120"	HOT STICK, 1.25" X 120" FOAM FILLED FIBER GLASS, HEX, HEX
HSH125144H				144"	HOT STICK, 1.25" X 144" FOAM FILLED FIBER GLASS, HEX, HEX







## HOT STICKS



### HEX TO UNIVERSAL

PART NUMBER	PRIMARY	SECONDARY	DIA	OAL	DESCRIPTION
HSH112U	HEX, QC, 5/8-11	UNIVERSAL	1"	12"	HOT STICK, 1" X 12" FOAM FILLED FIBER GLASS, HEX, UNIVERSAL
HSH124U				24"	HOT STICK, 1" X 24" FOAM FILLED FIBER GLASS, HEX, UNIVERSAL
HSH132U				32"	HOT STICK, 1" X 32" FOAM FILLED FIBER GLASS, HEX, UNIVERSAL
HSH136U				36"	HOT STICK, 1" X 36" FOAM FILLED FIBER GLASS, HEX, UNIVERSAL
HSH144U				44"	HOT STICK, 1" X 44" FOAM FILLED FIBER GLASS, HEX, UNIVERSAL
HSH148U				48"	HOT STICK, 1" X 48" FOAM FILLED FIBER GLASS, HEX, UNIVERSAL
HSH172U				72"	HOT STICK, 1" X 72" FOAM FILLED FIBER GLASS, HEX, UNIVERSAL
HSH178U				78"	HOT STICK, 1" X 78" FOAM FILLED FIBER GLASS, HEX, UNIVERSAL
HSH196U				96"	HOT STICK, 1" X 96" FOAM FILLED FIBER GLASS, HEX, UNIVERSAL
HSH1120U				120"	HOT STICK, 1" X 120" FOAM FILLED FIBER GLASS, HEX, UNIVERSAL
HSH1144U				144"	HOT STICK, 1" X 144" FOAM FILLED FIBER GLASS, HEX, UNIVERSAL
HSH12512U			1-1/4"	12"	HOT STICK, 1.25" X 12" FOAM FILLED FIBER GLASS, HEX, UNIVERSAL
HSH12524U				24"	HOT STICK, 1.25" X 24" FOAM FILLED FIBER GLASS, HEX, UNIVERSAL
HSH12532U				32"	HOT STICK, 1.25" X 32" FOAM FILLED FIBER GLASS, HEX, UNIVERSAL
HSH12536U				36"	HOT STICK, 1.25" X 36" FOAM FILLED FIBER GLASS, HEX, UNIVERSAL
HSH12544U				44"	HOT STICK, 1.25" X 44" FOAM FILLED FIBER GLASS, HEX, UNIVERSAL
HSH12548U				48"	HOT STICK, 1.25" X 48" FOAM FILLED FIBER GLASS, HEX, UNIVERSAL
HSH12572U				72"	HOT STICK, 1.25" X 72" FOAM FILLED FIBER GLASS, HEX, UNIVERSAL
HSH12578U				78"	HOT STICK, 1.25" X 78" FOAM FILLED FIBER GLASS, HEX, UNIVERSAL
HSH12596U				96"	HOT STICK, 1.25" X 96" FOAM FILLED FIBER GLASS, HEX, UNIVERSAL
HSH125120U				120"	HOT STICK, 1.25" X 120" FOAM FILLED FIBER GLASS, HEX, UNIVERSAL
HSH125144U				144"	HOT STICK, 1.25" X 144" FOAM FILLED FIBER GLASS, HEX, UNIVERSAL



Utility Grounding Division

## HOT STICKS



### UNIVERSAL TO CAP

PART NUMBER	PRIMARY	SECONDARY	DIA	OAL	DESCRIPTION
HSU112C	UNIVERSAL	CAP	1"	12"	HOT STICK, 1" X 12" FOAM FILLED FIBER GLASS, UNIVERSAL, CAP
HSU124C				24"	HOT STICK, 1" X 24" FOAM FILLED FIBER GLASS, UNIVERSAL, CAP
HSU132C				32"	HOT STICK, 1" X 32" FOAM FILLED FIBER GLASS, UNIVERSAL, CAP
HSU136C				36"	HOT STICK, 1" X 36" FOAM FILLED FIBER GLASS, UNIVERSAL, CAP
HSU144C				44"	HOT STICK, 1" X 44" FOAM FILLED FIBER GLASS, UNIVERSAL, CAP
HSU148C				48"	HOT STICK, 1" X 48" FOAM FILLED FIBER GLASS, UNIVERSAL, CAP
HSU172C				72"	HOT STICK, 1" X 72" FOAM FILLED FIBER GLASS, UNIVERSAL, CAP
HSU178C				78"	HOT STICK, 1" X 78" FOAM FILLED FIBER GLASS, UNIVERSAL, CAP
HSU196C				96"	HOT STICK, 1" X 96" FOAM FILLED FIBER GLASS, UNIVERSAL, CAP
HSU1120C				120"	HOT STICK, 1" X 120" FOAM FILLED FIBER GLASS, UNIVERSAL, CAP
HSU1144C				144"	HOT STICK, 1" X 144" FOAM FILLED FIBER GLASS, UNIVERSAL, CAP
HSU12512C			1-1/4"	12"	HOT STICK, 1.25" X 12" FOAM FILLED FIBER GLASS, UNIVERSAL, CAP
HSU12524C				24"	HOT STICK, 1.25" X 24" FOAM FILLED FIBER GLASS, UNIVERSAL, CAP
HSU12532C				32"	HOT STICK, 1.25" X 32" FOAM FILLED FIBER GLASS, UNIVERSAL, CAP
HSU12536C				36"	HOT STICK, 1.25" X 36" FOAM FILLED FIBER GLASS, UNIVERSAL, CAP
HSU12544C				44"	HOT STICK, 1.25" X 44" FOAM FILLED FIBER GLASS, UNIVERSAL, CAP
HSU12548C				48"	HOT STICK, 1.25" X 48" FOAM FILLED FIBER GLASS, UNIVERSAL, CAP
HSU12572C				72"	HOT STICK, 1.25" X 72" FOAM FILLED FIBER GLASS, UNIVERSAL, CAP
HSU12578C				78"	HOT STICK, 1.25" X 78" FOAM FILLED FIBER GLASS, UNIVERSAL, CAP
HSU12596C				96"	HOT STICK, 1.25" X 96" FOAM FILLED FIBER GLASS, UNIVERSAL, CAP
HSU125120C				120"	HOT STICK, 1.25" X 120" FOAM FILLED FIBER GLASS, UNIVERSAL, CAP
HSU125144C				144"	HOT STICK, 1.25" X 144" FOAM FILLED FIBER GLASS, UNIVERSAL, CAP







## TEMPORARY HOT ARM



PART NUMBER	TP25HA726X6
TYPE	TEMPORARY HOT ARM
CASTING MATERIAL	ALUMINUM 356-T6
CROSS ARM SIZE	6" X 6"
FIBERGLASS	2-1/2" DIA X 6' FOAM FILLED RED FIBERGLASS
TESTED PER	ASTM F711
WORKING LOAD LIMIT	300 LBS. OR 150 LBS. PER HOLDER. (MAX TWO HOLDERS)
CONDUCTOR SIZE	0.125 - 1.3125 DIA
SCREW TYPE	STAINLESS EYE SCREW
SCREW SIZE	5/8-8 STUB ACME

TO ORDER TEMPORARY HOT ARM ASSEMBLIES WITH INSULATORS ADD SUFFIX (I)  
(EXAMPLE: TP25HA726X6I)



TPHA-INS





Utility Grounding Division

## ***DLJ TOOL***

### **DLJ TOOL FEATURES**

- Assist tying in connectors
- Securing fuse barrels
- Easy ring attachment
- Raising wires or cables
- Available with high visibility powder coating
- Made from light weight heat treated aluminum

**“Designed for fuse barrels switches and more”**



**DLJ1**



**DLJ1-P**







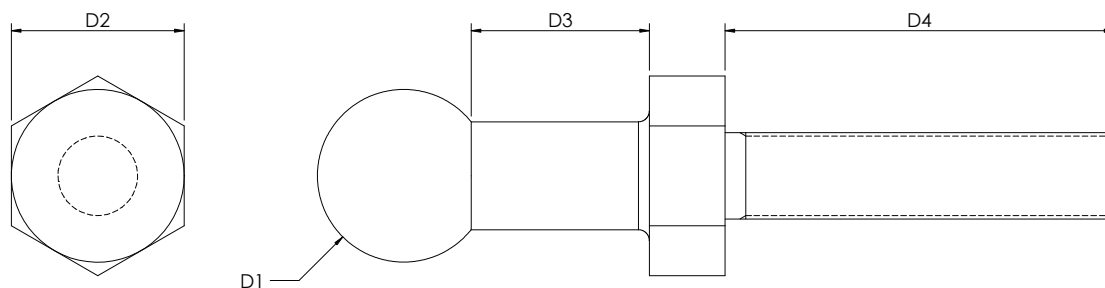
## GROUNDING STUDS

### GROUNDING BALL STUD

- 400A continuous current rating.
- Copper alloy C-110.
- For electric tin plating use suffix (ETP)



### BS11500M



PART NUMBER	DESCRIPTION	SINGLE CONFIGURATIONS MAX CURRENT FAULT RATING	DOUBLE CONFIGURATIONS MAX CURRENT FAULT RATING	D1	D2	D3	D4	THREAD
BS11500M	BALL STUD, 1 IN BALL, 1 IN SHANK, 1/2"-13 MALE THREAD	47 kA @ 15 CYCLES X/R 30	63 kA @ 15 CYCLES X/R 30	1"	1"	1"	2.25"	1/2"-13
BS13500M	BALL STUD, 1 IN BALL, 3 IN SHANK, 1/2"-13 MALE THREAD	47 kA @ 15 CYCLES X/R 30	63 kA @ 15 CYCLES X/R 30	1"	1"	3"	2.25"	1/2"-13
BS15500M	BALL STUD, 1 IN BALL, 5 IN SHANK, 1/2"-13 MALE THREAD	47 kA @ 15 CYCLES X/R 30	63 kA @ 15 CYCLES X/R 30	1"	1"	5 1/2"	2.25"	1/2"-13

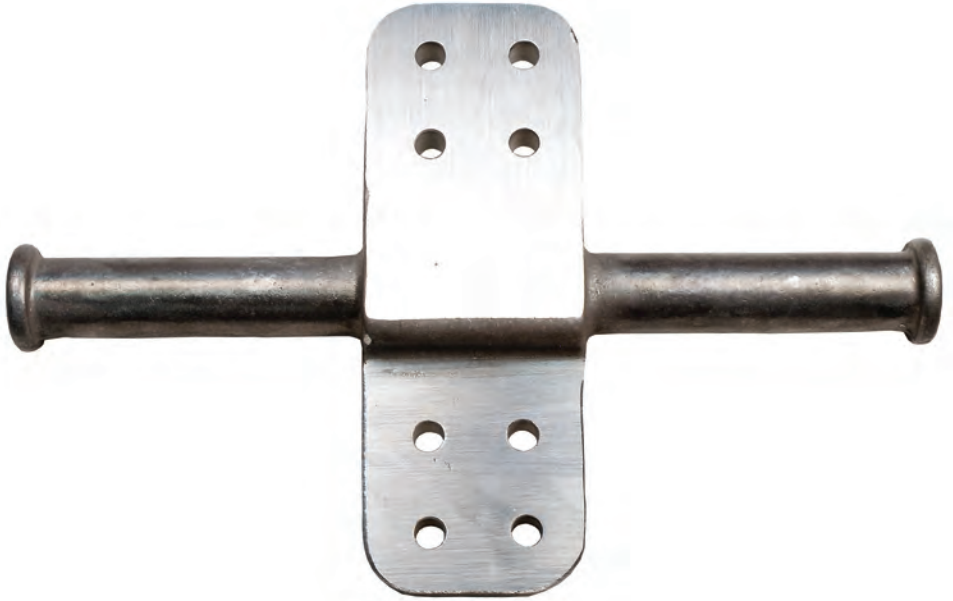


Utility Grounding Division

## GROUNDING STUDS

### SPECIAL DOUBLE STUD

- 3000A continuous current rating.
- 1-1/2" X 6" long ground studs.
- Aluminum Casting 356-T6.



### SPECIAL SINGLE STUD

- 1-1/2" X 6" long ground studs.
- Aluminum Casting 356-T6.



PART NUMBER	DESCRIPTION	MAX CURRENT FAULT RATING	LBS
EXTENSION PAD			
4X4-EXT-2GS	ALUMINUM (2) 4X4 PADS EXTENSION W/ (2) 1 1/2" X 6" DIA GROUND STUDS.	68kA @ 15 CYCLES X/R 30	7 LBS
PAD TO STUD			
4X4-1GSF-15	ALUMINUM 4X4 PAD TO 1 1/2" X 6" DIA FLAG STYLE GROUND STUD.	68kA @ 15 CYCLES X/R 30	3 LBS

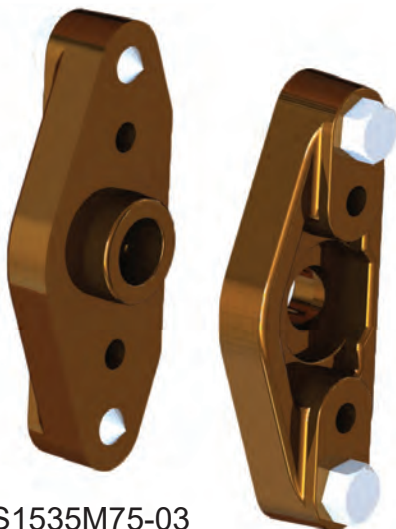




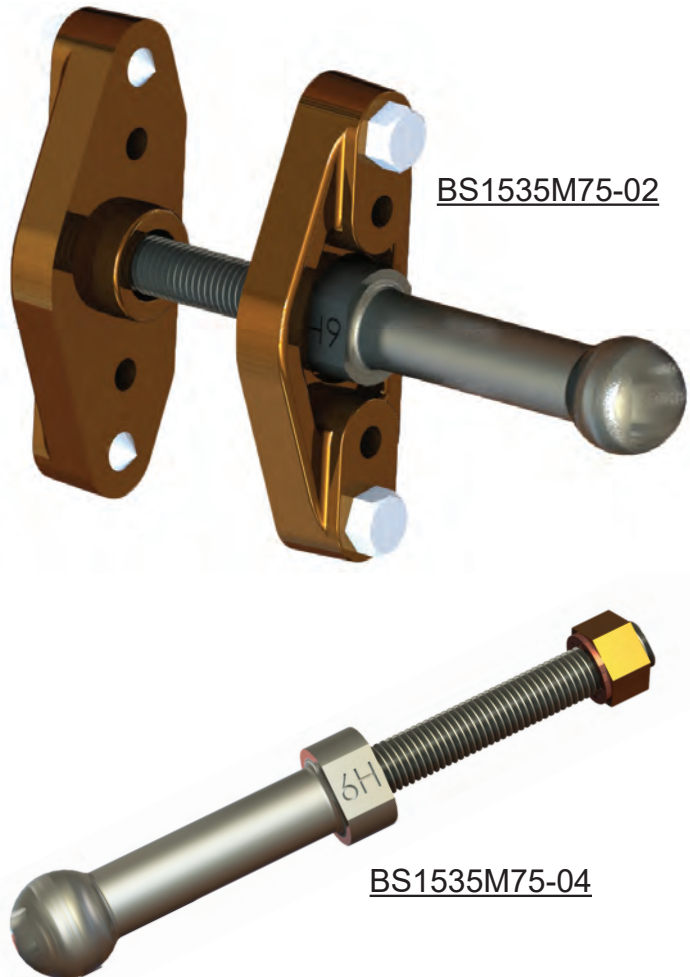
## GROUNDING STUDS

### MOBILE EQUIPMENT GROUNDING STUD

- SiBr Castings
- C-110 Plated Copper Ball Stud



BS1535M75-03



BS1535M75-02

BS1535M75-04






PART NUMBER	DESCRIPTION	MAX CURRENT FAULT RATING		LBS
BS1535M75-02	BRONZE MOBILE EQUIPMENT GROUNDING STUD	6H	55 kA @ 15 CYCLES, X/R=30	7.50
BS1535M75-03	BRONZE MOBILE EQUIPMENT GROUNDING PLATES			5.05
BS1535M75-04	COPPER PLATED MOBILE EQUIPMENT GROUNDING STUD 1-1/2" BALL			2.45



Utility Grounding Division

## GROUNDING

### VEHICLE/MOBILE EQUIPMENT GROUNDING DEVICES

	TGA2-AL-T	ALUMINUM ADAPTER PLATE: 2 HOLE PAD TO 5/8 -11 THREAD, W/STRAIN RELIEF, TIN-PLATED, MOUNTING HARDWARE INCLUDED	6H: 55 kA @ 15 CYCLES, X/R=30
	TGA-A-T	ALUMINUM ADAPTER PLATE: "A", TIN-PLATED, MOUNTING HARDWARE INCLUDED	
	TGA-B-T	ALUMINUM ADAPTER PLATE: "B", TIN-PLATED, MOUNTING HARDWARE INCLUDED	
	TGA75-90-T	ADAPTER PLATE STUD: 3/4" 90 DEG COPPER BAR, 5.5" GRIP LENGTH, W/ 3/4-10 BRASS NUT, SPLIT LOCK WASHER, AND 1 1/4" COPPER END, TIN-PLATED	
	TGA75-S-T	ADAPTER PLATE STUD: 3/4" STRAIGHT COPPER BAR, 5.5" GRIP LENGTH, W/ 3/4-10 BRASS NUT, SPLIT LOCK WASHER, AND 1 1/4" COPPER END, TIN-PLATED	

**NOTE:**

1. BEFORE INSTALLATION, CLEAN ALL CONTACT SURFACES AND INSTALL OXIDE INHIBITOR (EJC NO. 2 OR EQUIVALENT)
2. 1/2"-13 STAINLESS STEEL MOUNTING HARDWARE: MAX TORQUE 40 FT-LBS
3. ALTERNATE BETWEEN THE BOLTS WHILE TIGHTENING MOUNTING HARDWARE
4. 3/4"-10 COPPER GROUND STUD, STRAIGHT & 90 DEG: MAX TORQUE 70 FT-LBS
5. MINIMUM 1-1/8" THREAD ENGAGEMENT ON 3/4"-10 COPPER GROUND STUDS



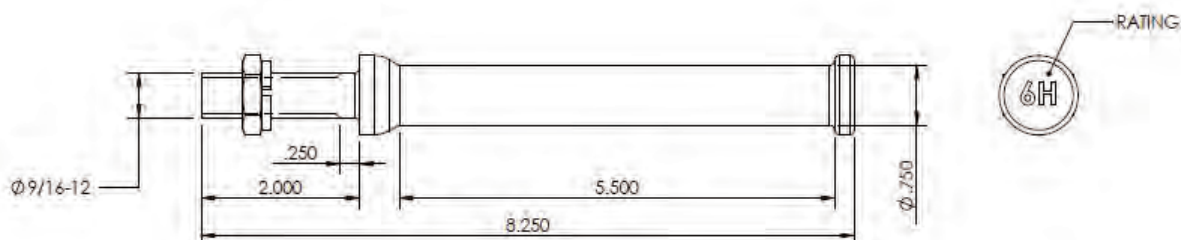


## GROUNDING STUDS



### TRAVIS PATTERN GROUNDING STUD

PART NUMBER	GS75M5625-T
TYPE	CU THREADED GROUND STUD
MATERIAL	C-110 COPPER TIN PLATED , STAINLESS HARDWARE
SIZE	3/4 DIA X 5.5" SHANK
RATING	6H: 55 kA @ 15 CYCLES, X/R=30
STUD THREADS	9/16-12
TORQUE	25 FT-LBS
WEIGHT	1.5 LBS



**NOTE:**

- TO INSURE 6H RATING THE SHOULDER MUST MAKE FULL CONTACT WITH OPPOSING SURFACE.
- FOR BLIND HOLE APPLICATIONS CUSTOM THREAD LENGTHS MAY BE ORDERED UPON REQUEST



Utility Grounding Division

## GROUNDING STUDS

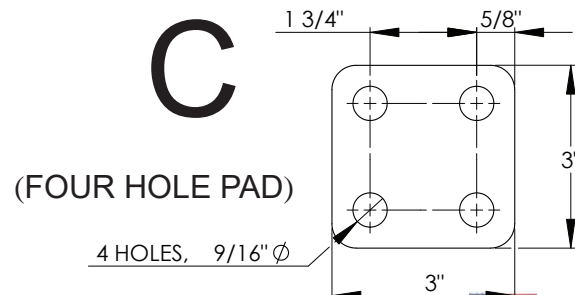
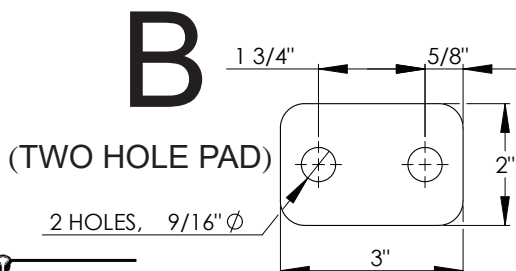


PART NUMBER	GS75T2HP
TYPE	COPPER GROUND STUD, NEMA 2 HOLE PAD
MATERIAL	C-110 COPPER TIN PLATED
SIZE	3/4 DIA X 6" SHANK
RATING	6H: 55 kA @ 15 CYCLES, X/R=30
PAD SIZE	NEMA 2 HOLE PAD
WEIGHT	1.5 LBS



PART NUMBER	GS75T4HP
TYPE	COPPER GROUND STUD, NEMA 2 HOLE PAD
MATERIAL	C-110 COPPER TIN PLATED
SIZE	3/4 DIA X 6" SHANK
RATING	6H: 55 kA @ 15 CYCLES, X/R=30
PAD SIZE	3" X 3" NEMA 4 HOLE PAD
WEIGHT	2 LBS

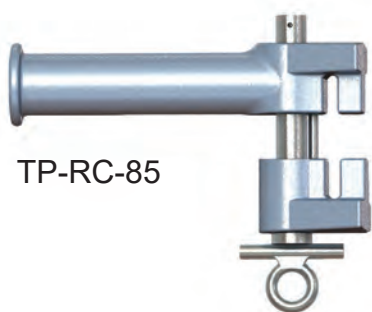
BEFORE INSTALLATION, CLEAN ALL CONTACT SURFACES AND INSTALL OXIDE INHIBITOR.



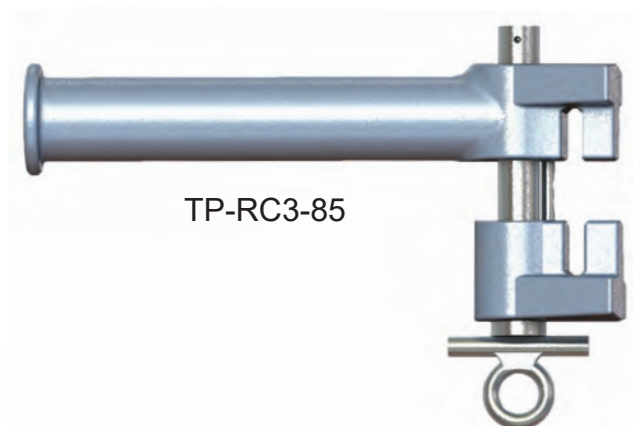




## POLE CLAMP



TP-RC-85



TP-RC3-85

### TRAVIS PATTERN ALUMINUM STEEL POLE CLAMP

PART NUMBER	TP-RC-85
TYPE	POLE CLAMP
MATERIAL	ALUMINUM 356-T6
RANGE	1 7/8"-2.5" (LADDER CLIP HEIGHT)
RATING	85 kA @ 15 CYCLES, X/R=30
SCREW TYPE	STAINLESS STEEL EYE SCREW
SCREW SIZE	3/4-6 STUB ACME
MAX TORQUE	400 IN/LBS.
GROUND STUD	1-1/2" DIA. X 6"
JAW TYPE	SMOOTH
WEIGHT	2.96 LBS

PART NUMBER	TP-RC3-85
TYPE	POLE CLAMP
MATERIAL	ALUMINUM 356-T6
RANGE	1 7/8"-2.5" (LADDER CLIP HEIGHT)
RATING	85 kA @ 15 CYCLES, X/R=30
*TRIPLE CONDUCTOR ONLY	*105 kA @ 15 CYCLES, X/R=30
SCREW TYPE	STAINLESS STEEL EYE SCREW
SCREW SIZE	3/4-6 STUB ACME
MAX TORQUE	400 IN/LBS.
GROUND STUD	1-1/2" DIA. X 8"
JAW TYPE	SMOOTH
WEIGHT	3.125 LBS

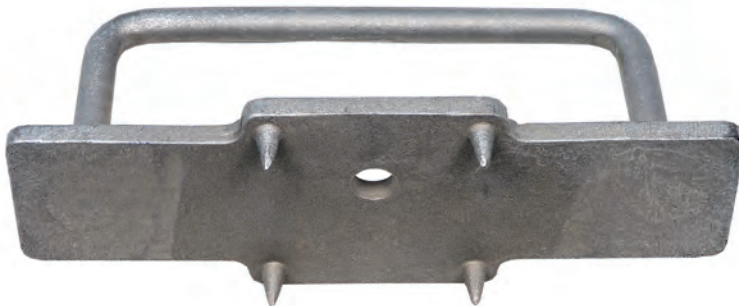


Utility Grounding Division

## CLUSTER BAR

### TEMPORARY POLE MOUNT CLUSTER BAR

- 400A continuous current rating.
- Aluminum Casting 356-T6.



The Travis UGD Temporary Pole Mount Cluster Bar is designed to be permanently installed on the power pole and allows definite pole penetration. The rack is easy to use when conduit or other obstructions are on the pole. This rack provides a location for multiple grounding clamps to join, as well as an equal potential zone for the worker on the pole.

PART NUMBER	DESCRIPTION	MAX CURRENT FAULT RATING		LBS
CPB-DE	ALUMINUM GROUNDING JUNCTION RACK.	CLASS 5	43 kA @ 15 CYCLES SYMMETRICAL	2
CPB-DE-1	ALUMINUM GROUNDING JUNCTION RACK, SIDE MOUNT	CLASS 5	43 kA @ 15 CYCLES SYMMETRICAL	1.5





## POLE GROUND BAND

### POLE GROUND BAND

- Rated for wood and steel applications
- Threaded 5/8-11 for attaching ground wire lead.
- Spike hole for establishing EPZ (Equal Potential Zone)
- Aluminum Casting 356-T6.
- C-110 Copper ground bar
- 5ft Stainless steel chain



PART NUMBER	DESCRIPTION	MAX CURRENT FAULT RATING		LBS
PGB60C	POLE GROUND BAND, 5' CHAIN, COPPER BAR	6H	55kA @ 15 CYCLES X/R=30	15





Utility Grounding Division

## BREAKAWAY CONNECTOR

### BREAKAWAY CONNECTOR MAGNET CONNECTION

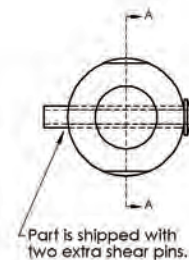
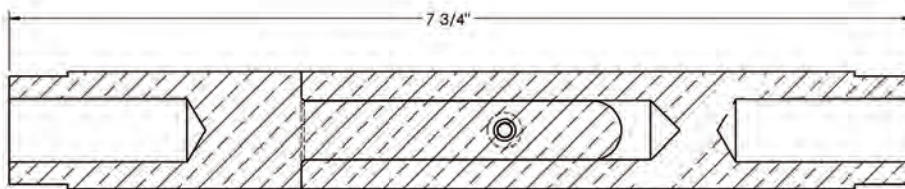


NOTE: BONDING CABLE ONLY, NOT TO BE USED FOR GROUNDING

PART NUMBER	BAC625(90M)
TYPE	BREAKAWAY CONNECTOR
MATERIAL	ALUMINUM
THREAD LENGTH	1.25
RATING	10kA @ 10 CYCLES, X/R=30
CONTINUOUS CURRENT RATING	300A
THREAD	5/8-11 UNC
WEIGHT	.84 LBS

### BAC (BREAKAWAY CONNECTOR)

The Break Away Connector (BAC) creates an equal potential bond for electrical workers operating out of a man lift or any machine that doesn't have an insulation boom. In the event an electrical worker becomes incapacitated, the hydraulic lift can be lowered manually performing an aerial rescue. In these cases the BAC will break away, freeing the boom from the conductor in which it was attached. 400A continuous current rating.



PART NUMBER	DESCRIPTION	MATERIAL	TAP SIZE	MAX CURRENT	FAULT RATING	LBS
BAC625(300)	CABLE BREAK-AWAY CONNECTOR 5/8-11 THREAD (250-300LBS) (BONDING CABLE ONLY) (NOT TO BE USED FOR GROUNDING)	C-110	5/8-11	CLASS 1	10 KA @ 10 CYCLES	1.5





## CAST STRAIN RELIEF

### U-00165-AL-HW

ALUMINUM GROUND CLAMP  
STRAIN RELIEF AL CASTING



PART NUMBER	U-00165-AL-HW
TYPE	STRAIN RELIEF
MATERIAL	356-T6 AL
WEIGHT	0.125 LBS

- COMPATIBLE WITH ALL ALUMINUM GROUND CLAMPS WITH STRAIN RELIEF.
- HARDWARE INCLUDED



### U-00165-BR-HW

BRONZE GROUND CLAMP STRAIN  
RELIEF CASTING



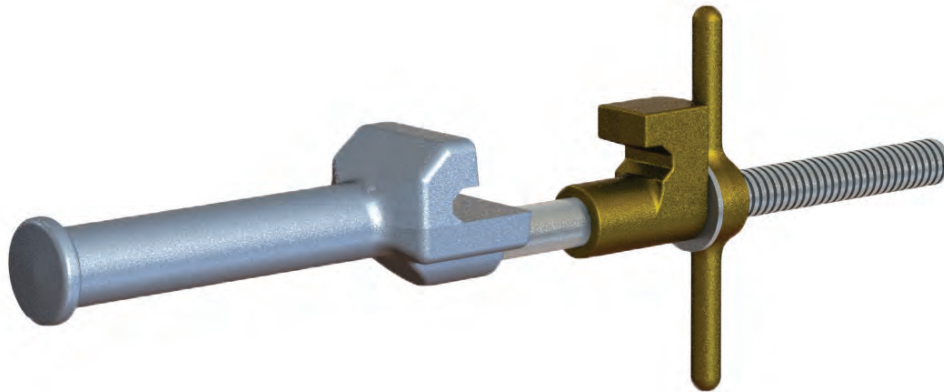
PART NUMBER	U-00165-BR-HW
TYPE	STRAIN RELIEF
MATERIAL	356-T6 AL
WEIGHT	0.125 LBS

- COMPATIBLE WITH ALL BRONZE GROUND CLAMPS WITH STRAIN RELIEF
- HARDWARE INCLUDED



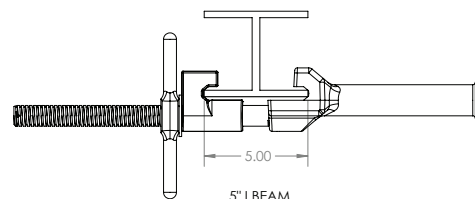
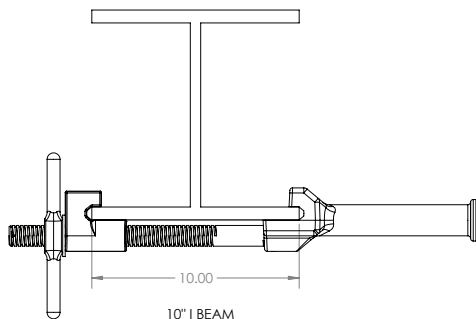
Utility Grounding Division

## I - BEAM CLAMP

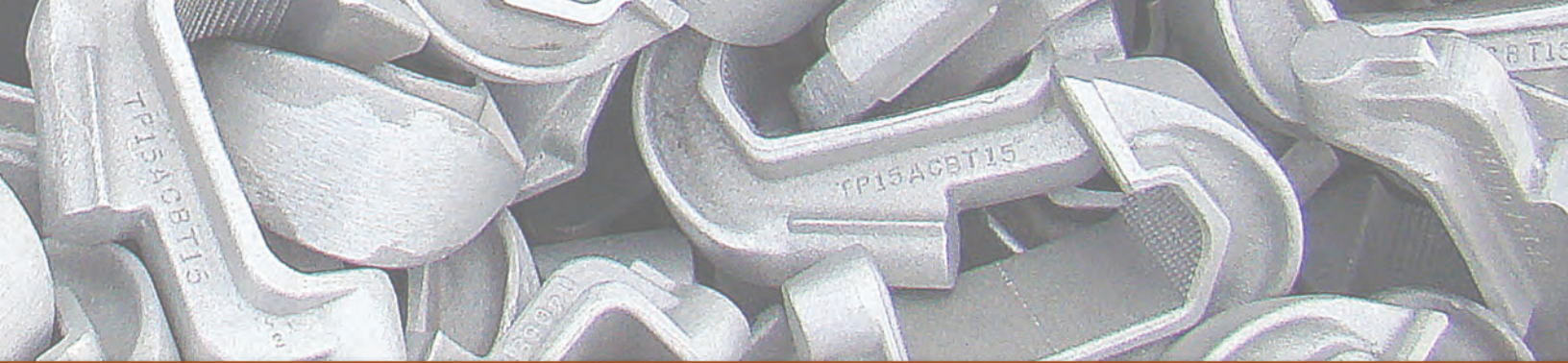


### TRAVIS PATTERN 5-10" I BEAM CLAMP, WITH 1-1/2" GROUNDING STUD

PART NUMBER	TP10IBC-15GS
TYPE	I-BEAM CLAMP
MATERIAL	BODY: ALUMINUM 356-T6, JAW: 878 Si BRONZE
RANGE	5"-10" I-BEAM
RATING	MAX: 85 kA @ 15 CYCLES, X/R=30
CONTINUOUS CURRENT RATING	800A
SCREW TYPE	STAINLESS STEEL ACME W/ T-HANDLE
SCREW SIZE	1"-8 UNC
MAX TORQUE	400 IN/LBS.
GROUND STUD	1-1/2" X 6"
JAW TYPE	SMOOTH
WEIGHT	5.50 LBS







## THUMB SCREW



**PART NUMBER: 58PTS**

REPLACEMENT 5/8-11 NYLON THUMB SCREW FOR FERRULE  
PORT THREAD PROTECTION



WEIGHT: 0.02 LBS

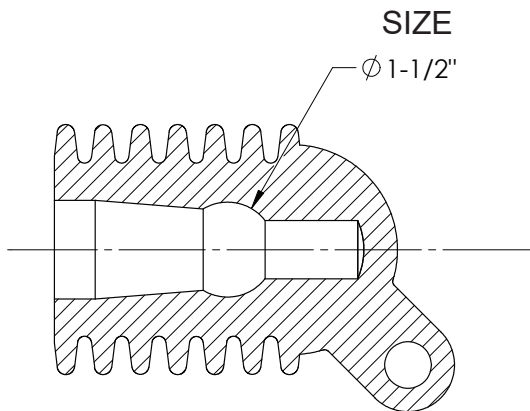


Utility Grounding Division

## BALL STUD COVER

### BALL STUD COVER

- Voltage Rating:  
36.6kV phase to phase  
21.1kV phase to ground



PART NUMBER	DESCRIPTION	SIZE	ASTM F712		
BSC100	BALL STUD COVER FOR 1IN OR 25MM BALL	1"-25MM	TYPE 1	GRADE 2	CLASS 4
BSC125	BALL STUD COVER FOR 1.25IN OR 30MM BALL	1.25"-30MM	TYPE 1	GRADE 2	CLASS 4
BSC150	BALL STUD COVER FOR 1.5IN OR 38MM BALL	1.50"-38MM	TYPE 1	GRADE 2	CLASS 4







## PARKING STAND & CGT



### TP75AL-PS

TRAVIS PATTERN 3/4" DIA ALUMINUM  
PARKING STUD



PART NUMBER	TP75AL-PS
TYPE	PARKING STAND ONLY
MATERIAL	6061 AL
WEIGHT	0.25 LBS

### CGT

CATCH AND GET TOOL, FAULT INDICATOR  
INSTALLATION AND REMOVAL TOOL

PART NUMBER	CGT
TYPE	
MATERIAL	ALUMINUM 356-T6
WEIGHT	0.70 LBS





Utility Grounding Division

## ***T-HANDLE ADAPTER***

### **PART NUMBER: EST4**

EYE SCREW T-HANDLE 4 INCH ADAPTER, STAINLESS STEEL





## ***DISCHARGE STICK***

### **PART NUMBER: DS1912K**

DISCHARGE STICK 19" HANDLE, 12FT #4 BLACK CABLE



#### Parts and Accessories (Kit Contents)

- (1) Shorting probe with 12' #4 black cable & ferrule
- (1) Aluminum Flat face clamp with T-eye handle
- (1) 19" standard handle
- (2) 19" extension handle
- (1) Hand Guard
- (3) Brass Coupler
- (1) 3" stainless bull nose probe adapter
- (2) 5.5" stainless bull nose probe adapter
- (1) 10" stainless screwdriver probe adapter
- (1) 10" stainless pointed probe adapter
- (1) Black cotton carrying bag

**SHORTING/DISCHARGE TOOL DE-ENERGIZED**  
**USE ONLY NOT CONSIDERED A LIVE LINE**



Utility Grounding Division

## ***DISCHARGE STICK***

### Discharge Stick Instructions

Instructions do not purport to address all the safety concerns, if any, associated with its use. It is the responsibility of the user of this equipment to establish appropriate safety, health, and environmental practices and determine the applicability of regulatory limitations prior to use.



### DESIGN

The DS1912K is designed to instantly short-circuit and/or discharge low-level stored energy charge from electrical conductors and/or equipment that have been properly de-energized and isolated from the source such as but not limited to capacitors, cables, transformer windings, bushings, CT's and PT's, etc. The tool kit incorporates a multitude of end fittings so the operator can select which is appropriate for the task. The handles supplied with the shorting tool meet the electrical specifications of ASTM F711 but are not intended to be used for live-line applications so OSHA live-line tool testing is not required.





## ***DISCHARGE STICK***

### **CAUTION**

This tool is not designed for shorting or discharging power cables, distribution or transmission class power lines or large distribution or transmission class bus network systems that operate at greater than 600 volts. This tool is a low impedance device; therefore, consider this tool as not having a time constant associated with shorting or discharge.

The equipment covered in these operating instructions should be used by qualified employees, trained in and familiar with the safety-related work practices, safety rules and other safety requirements

associated with the use of this type of equipment. These instructions are not intended as a substitute for adequate training, nor do they cover all details or situations which could be encountered in relation to the operation of this type of equipment.

### **WARNING**

Maintain minimum approach distances (MAD) per your company policy. Do not use this device on any electrical equipment or conductor that is connected to its source, this will damage unit and may cause personal injury or death.

### **NOTE**

Before operating this equipment, read, understand and follow all instructions contained in this manual. Keep instructions with equipment.

### **Shorting/Discharge Tool Setup**

1. Visually inspect equipment to be free of defects and contaminants
2. Attach shorting/discharge probe to handles provided making sure hand guard is in the correct position (if required)
3. Select appropriate end fittings for application and install on the end of shorting/discharge probe.

### **Shorting/Discharge Tool Operation. Prior to using shorting/discharge tool:**

- a. Ensure conductor and/or equipment has been properly de-energized and isolated
- b. Verify conductor and/or equipment is absent of voltage
2. Attach the grounding lead to a suitable and/or approved earth ground
3. Contact tool probe to conductor and/or equipment and maintain contact for at least one second

**WARNING** Only use on capacitors that are disconnected from the power feed source.



Utility Grounding Division





## ACCESSORIES

PART	PART NUMBER	DESCRIPTION	MATERIAL	WEIGHT LBS
	TP1FC-AUA	TRAVIS 1" FERRULE CASTING, ALUMINUM UNIVERSAL END ADAPTER.	356-T6	0.15
	TP125FC-AUA	AL 1 1/4" FIBERGLASS CONNECTOR TO UTILITY ADAPTER FULL TEETH W/ 5/16-18 TAPPED HOLE	356-T6	0.2
	TP1HFC	1" HEX FIBERGLASS CONNECTOR FOR 1" DIA POLE, UNTAPPED	356-T6	0.15
	TP1HFC-1	1" HEX FIBERGLASS CONNECTOR FOR 1" DIA POLE 5/16-18 TAP	356-T6	0.15
	TP1HFC-2	1" HEX FIBERGLASS CONNECTOR FOR 1" DIA POLE 5/8-11 TAP	356-T6	0.1
	TP125HFC	TRAVIS HEX FIBERGLASS CONNECTOR FOR 1-1/4" DIA POLE	ZINC	0.34
	TPAGA	HOT STICK END ADAPTER, THREADED HOLE TO EYE HOLE (GRIP-ALL)	356-T6	.2
	TPAGA-W	HOT STICK END ADAPTER, THREADED HOLE TO EYE HOLE (GRIP-ALL) W/ WINGS	356-T6	.25





## ACCESSORIES

PART	PART NUMBER	DESCRIPTION	MATERIAL	WEIGHT LBS
	TPAUA	TRAVIS PATTERN UNIVERSAL END ADAPTER	356-T6	0.1
	TPAUA-M-SP(313)	TRAVIS PATTERN UNIVERSAL END ADAPTER EXTERNAL THREAD W 5/16-18 TAP	356-T6	0.1
	KB001Y	GD UTILITY KIT BAG 0001 YELLOW 27 X 14 X 9.5		5.6
	SR2	1/8" x 5/8" 1018 CR CLIP WITH YELLOW ZINC	1018 CR	0.05
	25NWSFS	1/4" FLAT WASHER 18-8 STAINLESS	18-8 STAINLESS	N/A
	25C125BHBS	1/4-20 X 1 1/4 HEX HD BOLT	18-8 STAINLESS	.02
	25C150BHBS	1/4-20 X 1 1/2 HEX HD BOLT		



Utility Grounding Division

## INDEX

25C125BHBS	55	CF40TS	24	HSH112C	29	HSH12572H	30
25C150BHBS	55	CF40TU	25	HSH112H	30	HSH12572U	31
25NWSFS	55	CFN2PS	24	HSH112U	31	HSH12578C	29
4X4-1GSF-15	36	CFN2PU	25	HSH1144C	29	HSH12578H	30
4X4-EXT-2GS	36	CFN2TS	24	HSH1144H	30	HSH12578U	31
58PTS	47	CFN2TU	25	HSH1144U	31	HSH12596C	29
BAC625(300)	44	CGT	49	HSH124C	29	HSH12596H	30
BAC625(90M)	44	CPB-DE	42	HSH124H	30	HSH12596U	31
BS11500M	35	CPB-DE-1	42 & 27	HSH124U	31	HSH132C	29
BS13500M	35	DLJ TOOL	34	HSH125120C	29	HSH132H	30
BS1535M75-02	37	DS1912K	51	HSH125120H	30	HSH132U	31
BS1535M75-03	37	EST4	50	HSH125120U	31	HSH136C	29
BS1535M75-04	37	GCVG1	17	HSH12512C	29	HSH136H	30
BS15500M	35	GCVG1-58T	17	HSH12512H	30	HSH136U	31
BSC100	48	GCVG1E	17	HSH12512U	31	HSH144C	29
BSC125	48	GCVG1E-58T	17	HSH125144C	29	HSH144H	30
BSC150	48	GCVG2	18	HSH125144H	30	HSH144U	31
BSC15A-SR	13	GCVG2-58T	18	HSH125144U	31	HSH148C	29
BSC1A	11	GCVG2E	18	HSH12524C	29	HSH148H	30
BSC1A-SR	11	GCVG2E-58T	18	HSH12524H	30	HSH148U	31
BSC1A-T	11	GCVG3-58T	17	HSH12524U	31	HSH172C	29
BSC30A	12	GCVG3E-58T	17	HSH12532C	29	HSH172H	30
BSC30A-SR	12	GROUND CABLE	26	HSH12532H	30	HSH172U	31
CF10PS	24	GS2/0YC12-00018-P1	27	HSH12532U	31	HSH178C	29
CF10PU	25	GS2/0YC25-00018	27	HSH12536C	29	HSH178H	30
CF10TS	24	GS2/0YC4-00018-P1	27	HSH12536H	30	HSH178U	31
CF10TU	25	GS2/0YC6-00018-P1	27	HSH12536U	31	HSH196C	29
CF20PS	24	GS75M5625-T	39	HSH12544C	29	HSH196H	30
CF20PU	25	GS75T2HP	40	HSH12544H	30	HSH196U	31
CF20TS	24	GS75T4HP	40	HSH12544U	31	HSU1120C	32
CF20TU	25	GSN2YC7-00167	28	HSH12548C	29	HSU112C	32
CF350TU	25	HSH1120C	29	HSH12548H	30	HSU1144C	32
CF40PU	25	HSH1120H	30	HSH12548U	31	HSU124C	32
		HSH1120U	31	HSH12572C	29	HSU125120C	32



# INDEX

HSU125144C	32	LBE35LI	23	TP15BFBT15	14	TP4X4BAAT15-BS15	21
HSU12524C	32	LBE35LI33G	23	TP15BFBT15-T	14	TP4X4BAAT15-GS47	21
HSU12532C	32	LBE35LI6G	23	TP1FC-AUA	54	TP4X4BAAT15-SR	21
HSU12536C	32	PGB60C	43	TP1HFC	54	TP50AFB	14
HSU12544C	32	SR2	55	TP1HFC-1	54	TP56RC90136	19
HSU12548C	32	TGA2-AL-T	38	TP1HFC-2	54	TP6ACA-BS165	10
HSU12572C	32	TGA75-90-T	38	TP25ACAT	8	TP6ACA-BS3065	10
HSU12578C	32	TGA75-S-T	38	TP25ACAT10-SR	9	TP6ACAT15SR-15GS	10
HSU12596C	32	TGA-A-T	38	TP25ACAT15	8	TP6ACBT15SR-15GS	10
HSU132C	32	TGA-B-T	38	TP25ACAT15-SR	9	TP6ARA2T20-S	10
HSU136C	32	TP10IBC-15GS	46	TP25ACATSR	9	TP6ARA2T20-S-ET	10
HSU144C	32	TP125ACAT15	5	TP25ACBT	8	TP6ARB2T20-S	10
HSU148C	32	TP125ACAT15-001	5	TP25ACBT15	8	TP6X6A-15GS	21
HSU172C	32	TP125ACAT5-SR-001	5	TP25ACBT15-SR	9	TP75ACAT15	4
HSU178C	32	TP125ACBT15	5	TP25ACBTSR	9	TP75ACAT15-M-PG	4
HSU196C	32	TP125ACBT15-001	5	TP25GSS-PS	27	TP75ACAT15-SR	4
KB001Y	27 & 55	TP125ACBT5-SR-001	5	TP25HA726X6	33	TP75ACAT15-VJ	4
LBB15	22	TP125ADAT15	16	TP25HA726X6I	33	TP75ACBT15	4
LBB1533G	22	TP125ADBT15	16	TP2ABSC30T5-SR	12	TP75AL-PS	49
LBB156G	22	TP125BCAT15	5	TP2ACAPSR	7	TP75BCAT15	4
LBB15C	22	TP125BCAT15-001	5	TP2ACAT15	6	TP75BCAT15-SR	4
LBB25	22	TP125BCAT5-SR-001	5	TP2ACAT15-SR	7	TP90136TRC	19
LBB2533G	22	TP125FC-AUA	54	TP2ACATSR-5H	7	TPACCT15	20
LBB256G	22	TP125HFC	54	TP2ACBPSR	7	TPACCT15-2PS	20
LBB25C	22	TP15ABSC15T15-SR	13	TP2ACBT15	6	TPAGA	54
LBE1533G	23	TP15ABSC1T15	11	TP2ACBT15-SR	7	TPAGA-W	54
LBE1536G	23	TP15ACAT15	6	TP2ACBTSR-5H	7	TPAUA	55
LBE153G	23	TP15ACAT15-SR	6	TP2ASQAT15-SR	8	TPAUA-M-SP(313)	55
LBE156G	23	TP15ACBT15	6	TP35ACAT15-SR	9	TPHA-INS	33
LBE158G	23	TP15ACBT15-SR	6	TP35ACBT15-SR	9	TPIWCB4X6BT15GS	15
LBE15C	23	TP15ADAT15	16	TP3X3A-15GS	21	TP-RC3-85	41
LBE2533G	23	TP15ADBT15	16	TP3X3BAT-SR	21	TP-RC-85	41
LBE256G	23	TP15AFBT15	14	TP40ACAT15-001	4	U-00165-AL-HW	45
LBE25C	23	TP15AFBT15-T	14	TP40BCAT15-001	4	U-00165-BR-HW	45



Utility Grounding Division

## TERMS AND CONDITIONS OF SALE

### Prices and Terms of Payment

Quotations are firm when accepted within 30 days. Payment terms are net 30 days from date of invoice.

### Transportation of Shipments

All prices are F.O.B. shipping point. Shipments are prepaid and added to all invoices. Travis UGD reserves the right to determine the method of transportation and routing. When the Purchaser specifies other than the least expensive method, transportation expense will be borne by the Purchaser.

### Packaging

Travis UGD reserves the right to ship in standard packaging. All export or special types of packaging are subject to additional charges.

### Sales Tax

Prices do not include sales, use, excise or similar taxes. The Company reserves the right to add tax as may be required by law.

### Limitation of Liability

The Company's liability on any claim of any kind, including negligence, for any loss or damage resulting from this contract, from the manufacture, sale, resale, delivery, repair or use of our equipment furnished on this contract shall in no case exceed the price invoiced on the order. In no event shall the Company be liable for special or consequential damage.

### Guarantee

Travis UGD warrants that its manufactured products will be free from defects in material, workmanship and title. If it appears within one year from date of shipment that the product does not meet the warranty specified under normal and proper use of the product, it will be repaired or replaced at the company's expense F.O.B. factory.



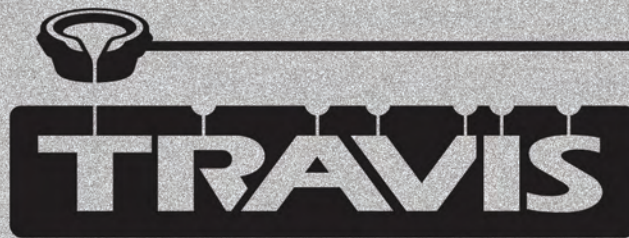


NOTES: \_\_\_\_\_

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



Manufactured By



C-CLAMPS

FLAT CLAMPS

VICE GRIP

DUCKBILLS

BALL SOCKET

ANGLE CLAMPS

RAIL CLAMPS

CUTOUT CLAMP

GROUND STUD

CLUSTER BAR

BREAK AWAY

DLJ

LOAD BREAK DEAD BREAK

FERRULES

CABLE

HOT STICKS

TEMPARARY HOT ARM

1413 E HAWTHORNE ROAD, SPOKANE, WA 99218

PHONE: (509) 466-3545 • FAX: (509) 467-6465