

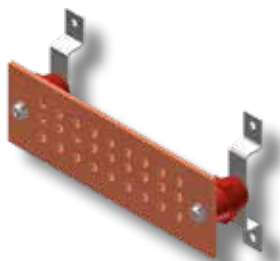
# GROUNDING PRODUCTS

## BUS BARS/GROUND BARS

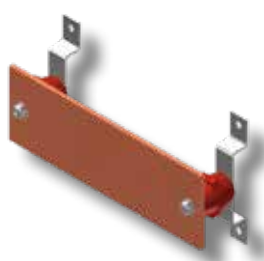
### Series CB, TCB and SSB

Proper bonding is essential to create an isopotential plane between service grounds and equipment during fault and transient conditions. This isopotential plane provides a near zero voltage differential and serves to protect people and equipment during these events. The most popular bonding product in use today is the ground bar or bonding bar.

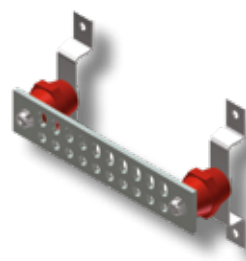
**thermOweld®**'s ground bars and bus bars are UL approved and produced on our state-of-the-art automated production line to give you thermOweld's famous rapid shipment and excellent quality. Virtually endless sizes and configurations, hole and slot patterns, unplated copper or tin plated, as well as stainless steel and other options with and without brackets and insulators. Customers worldwide are taking advantage of thermOweld's ground bars for a wide range of applications and unique requirements, from telecom sites to energy facilities. Please contact us with your specific needs!



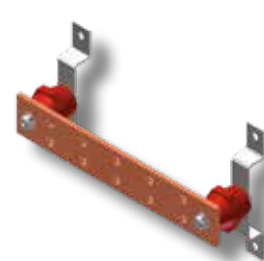
CB14412JK



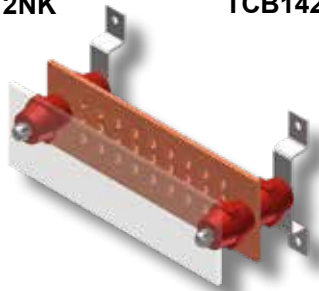
CB14412NK



TCB14210PK



CB14212BK

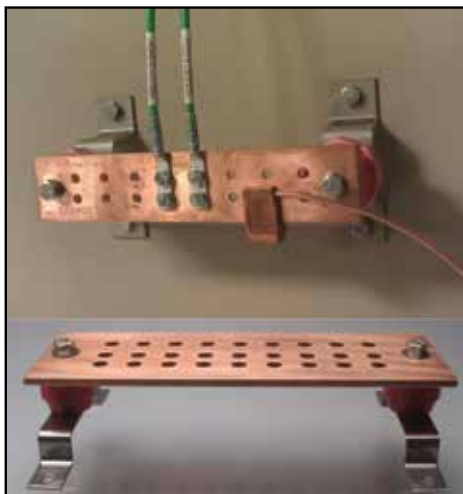


CB14412JP:  
Ground Bar with Plexiglas Cover



Grounding Equipment  
12 CM

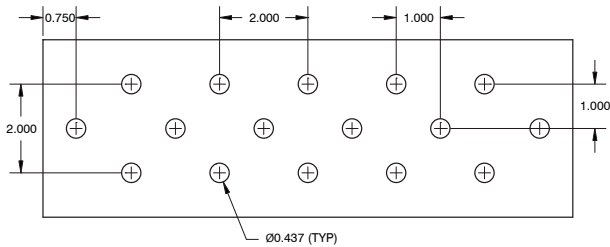
Section 8  
Grounding Products



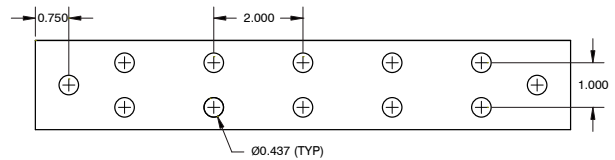
*Call Today Ship Today!*  
**Same Day Service**  
**GROUND BARS BUS BARS**

| Catalog Number | Hole Pattern                       | Tinned | Bar Size        | # of Holes |
|----------------|------------------------------------|--------|-----------------|------------|
| CB14412JK      | Pattern J w/ Insulators & Brackets | No     | 1/4" X 4" X 12" | 27         |
| CB14412M       | Pattern M                          | No     | 1/4" X 4" X 12" | 48         |
| CB14412MK      | Pattern M w/ Insulators & Brackets | No     | 1/4" X 4" X 12" | 48         |
| CB14210P       | Pattern P                          | No     | 1/4" X 2" X 10" | 26         |
| CB14210PK      | Pattern P w/ Insulators & Brackets | No     | 1/4" X 2" X 10" | 26         |
| CB14212P       | Pattern P                          | No     | 1/4" X 2" X 12" | 26         |
| CB14212PK      | Pattern P w/ Insulators & Brackets | No     | 1/4" X 2" X 12" | 26         |

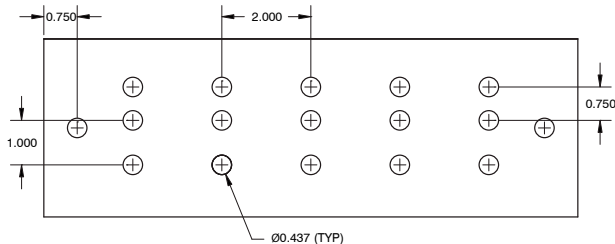
## GROUND BAR HOLE PATTERNS



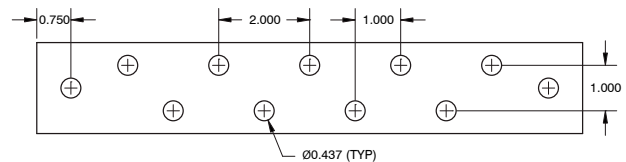
**Pattern A**



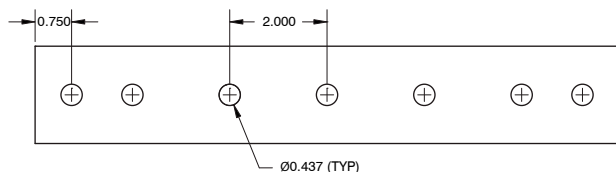
**Pattern B**



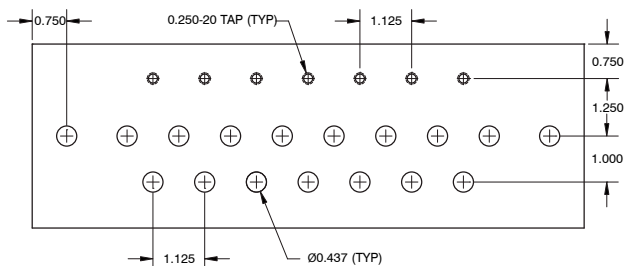
**Pattern C**



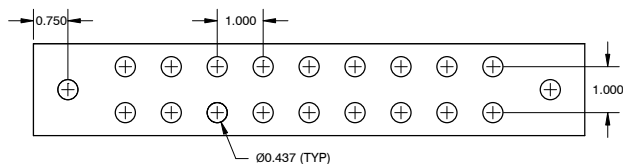
**Pattern D**



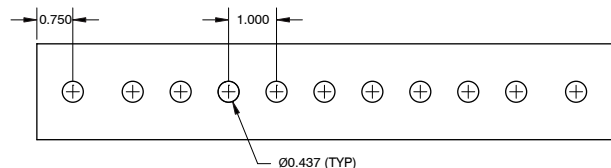
**Pattern E**



**Pattern F**



**Pattern G**



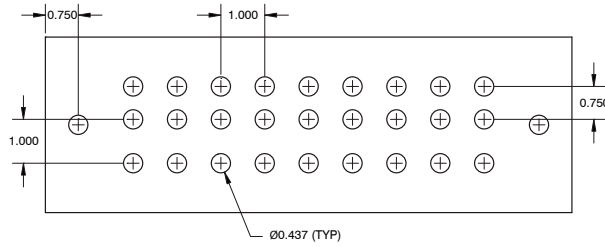
**Pattern H**

### NOTES:

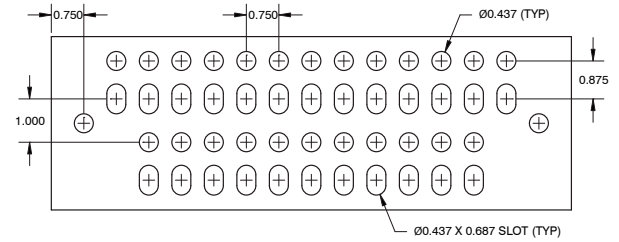
- All holes are 7/16" unless specified differently. To order threaded holes, specify hole size. The standard tapped hole size is 1/4-20 unless specified differently.
- Above bar patterns represent a 12" ground bar.
- All bars are available with electro-tin plating.

# GROUNDING PRODUCTS

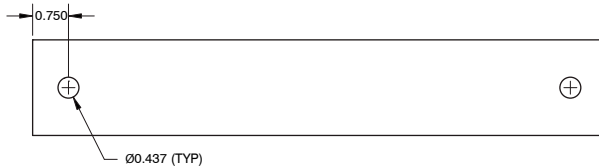
## GROUND BAR HOLE PATTERNS



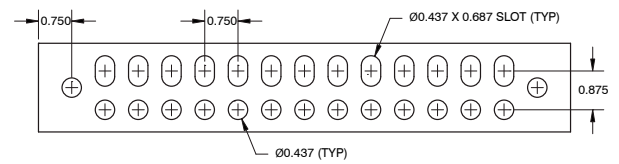
**Pattern J**



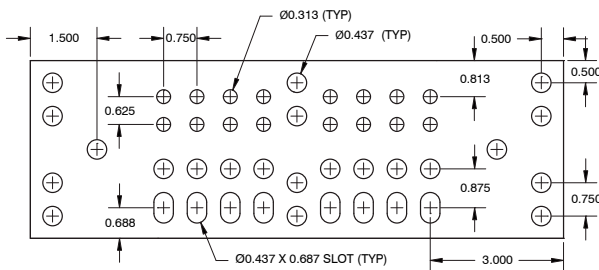
**Pattern M**



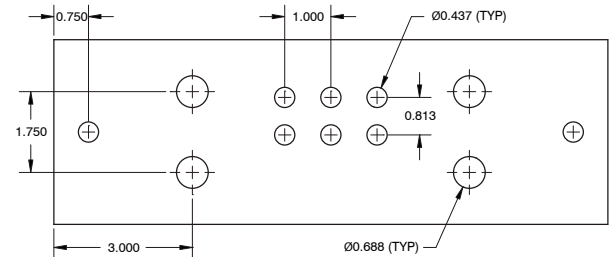
**Pattern N**



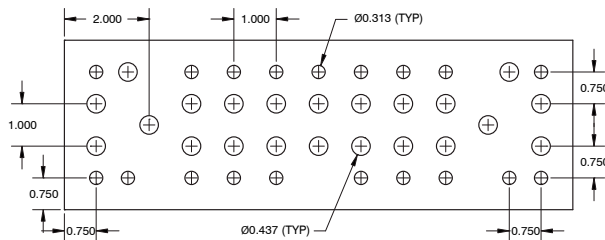
**Pattern P**



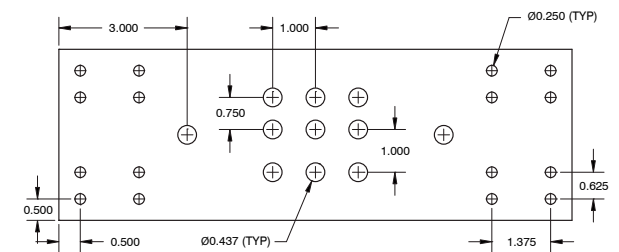
**Pattern Q**



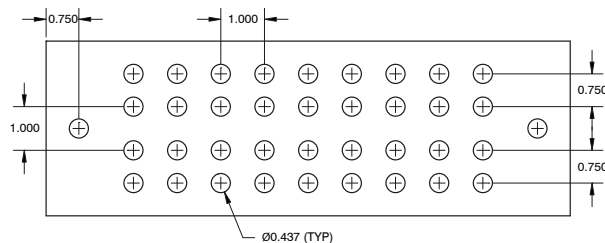
**Pattern R**



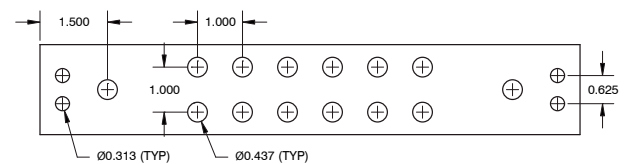
**Pattern T**



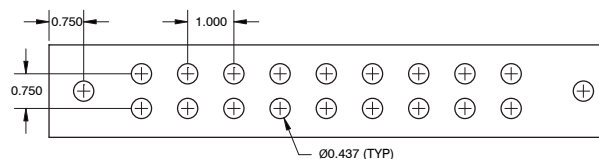
**Pattern V**



**Pattern W**



**Pattern X**

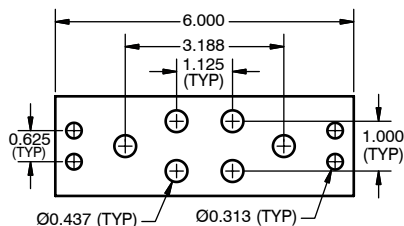


**Pattern Z**

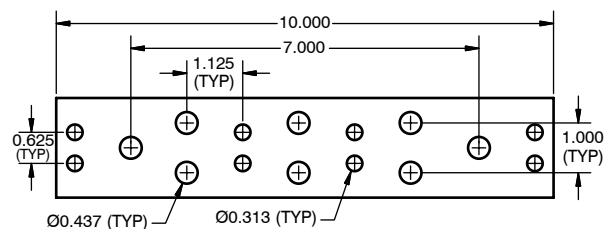
**NOTE: For telecom ground bar patterns (Pattern S, BICSI) See pages 184-185**

# GROUNDING PRODUCTS

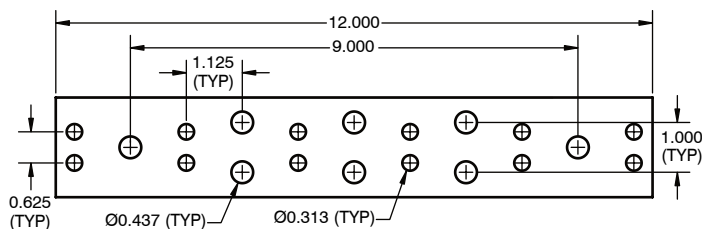
## TELECOM GROUND BAR HOLE PATTERNS 2" BARS



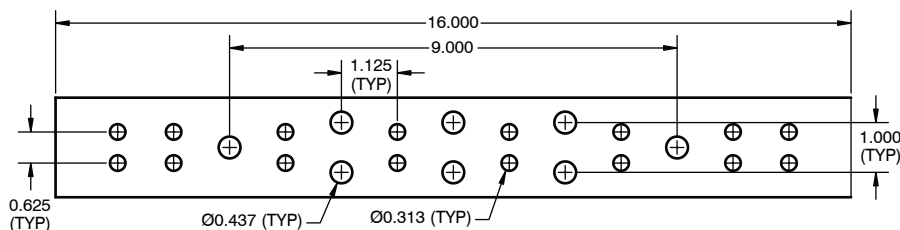
**CB1426S**



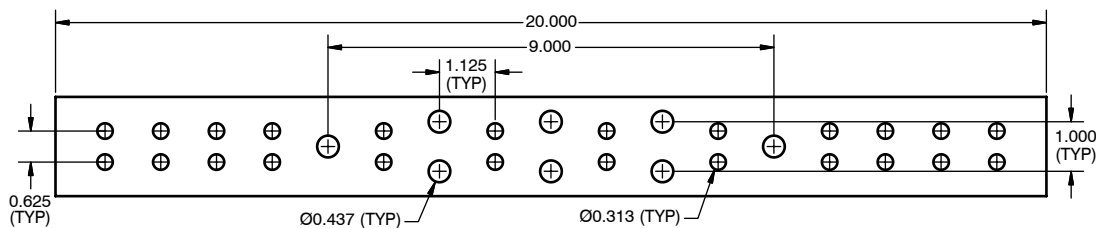
**CB14210S**



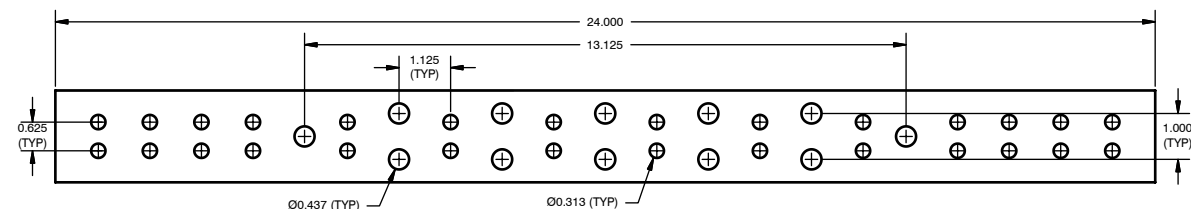
**CB14212S**



**CB14216S**

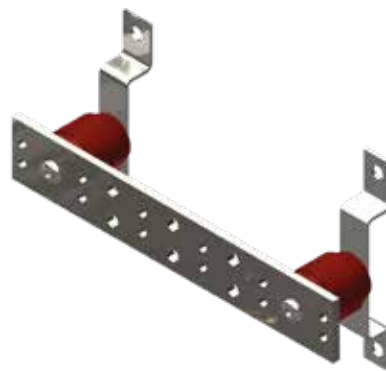


**CB14220S**



**CB14224S**

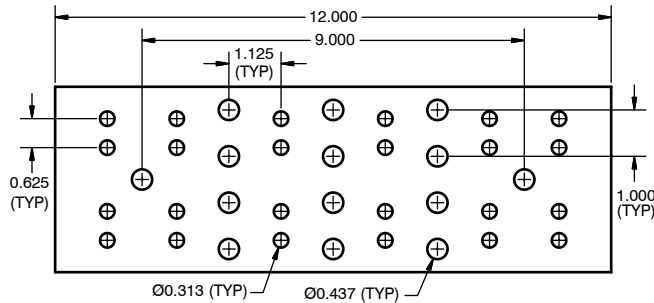
Catalog number shown is for the bar only if a kit is need add a K to the end of the catalog number.



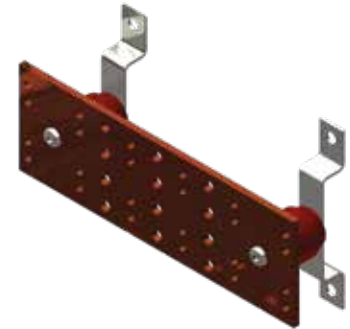
**TCB14212SK**

## TELECOM GROUND BAR HOLE PATTERNS 4" BARS

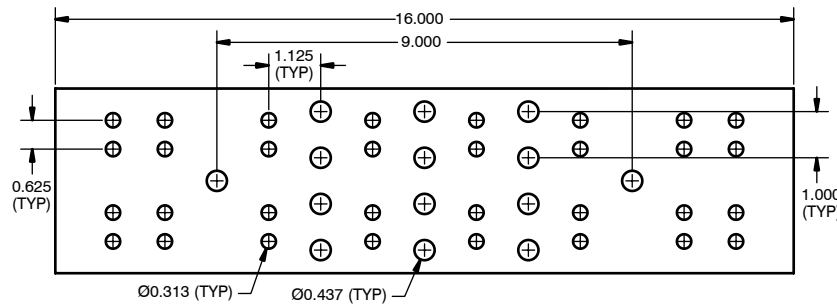
Catalog number shown is for the bar only if a kit is need add a K to the end of the catalog number.



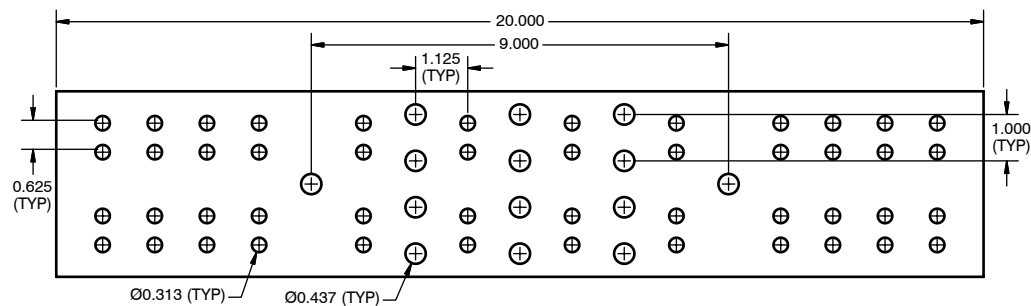
**CB14412S**



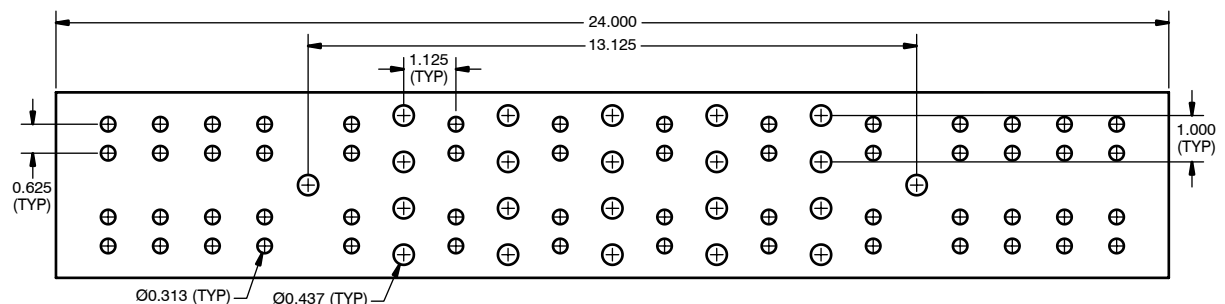
**CB14412SK**



**CB14416S**



**CB14420S**



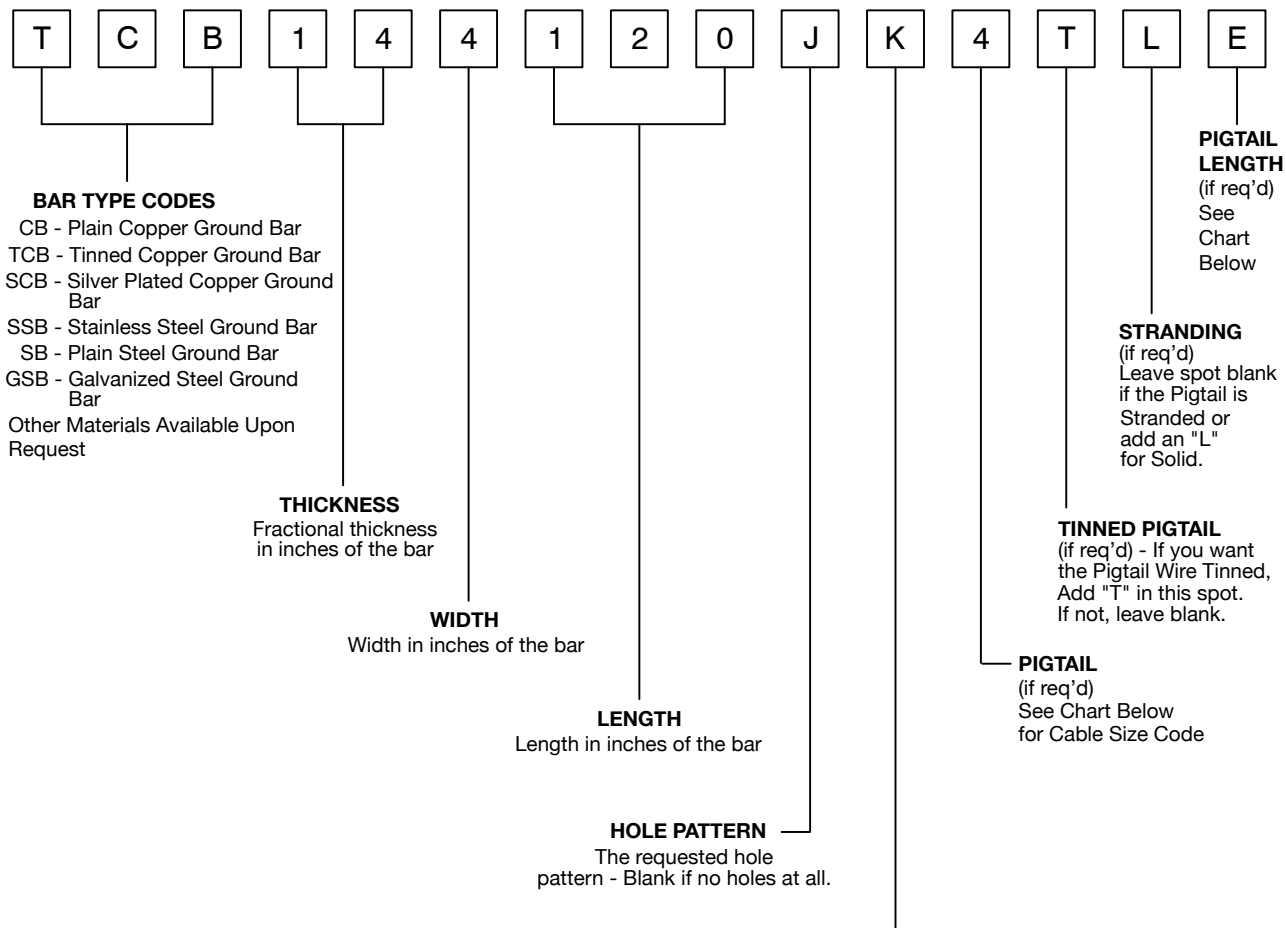
**CB14424S**

# GROUNDING PRODUCTS

## GROUND BARS

### GROUND BAR NUMBERING SYSTEM

Below is a guide on how to understand thermOweld's ground bar numbering system. Each digit of the catalog number represents specific details of our ground bars. Please note that other sizes are available. Contact thermOweld for details.



**Pigtail Cable Size Chart**

| Pigtail No. | Size    |
|-------------|---------|
| 1           | #6      |
| 2           | #4      |
| 3           | 250 mcm |
| 4           | #2      |
| 5           | #1      |
| 6           | 1/0     |
| 7           | 2/0     |
| 8           | 500 mcm |
| 9           | 4/0     |

**Pigtail Cable Length Chart**

| Pigtail Length | Length in Feet* |
|----------------|-----------------|
| A              | 2'              |
| B              | 5'              |
| C              | 10'             |
| D              | 15'             |
| E              | 20'             |
| F              | 25'             |
| G              | 30'             |
| H              | 35'             |

\*Custom lengths available upon request, contact thermOweld for details.

## GROUND BARS

| Pattern "J"    |                              |        |                 |            |
|----------------|------------------------------|--------|-----------------|------------|
| Catalog Number | Kit                          | Tinned | Bar Size        | # of Holes |
| CB14412J       | Bar Only                     | No     | 1/4" X 4" X 12" | 27         |
| TCB14412J      |                              | Yes    | 1/4" X 4" X 12" | 27         |
| CB14412JK      | Bar w/ Insulators & Brackets | No     | 1/4" X 4" X 12" | 27         |
| TCB14412JK     |                              | Yes    | 1/4" X 4" X 12" | 27         |
| CB14420J       | Bar Only                     | No     | 1/4" X 4" X 20" | 51         |
| TCB14420J      |                              | Yes    | 1/4" X 4" X 20" | 51         |
| CB14420JK      | Bar w/ Insulators & Brackets | No     | 1/4" X 4" X 20" | 51         |
| TCB14420JK     |                              | Yes    | 1/4" X 4" X 20" | 51         |
| CB14424J       | Bar Only                     | No     | 1/4" X 4" X 24" | 63         |
| TCB14424J      |                              | Yes    | 1/4" X 4" X 24" | 63         |
| CB14424JK      | Bar w/ Insulators & Brackets | No     | 1/4" X 4" X 24" | 63         |
| TCB14424JK     |                              | Yes    | 1/4" X 4" X 24" | 63         |

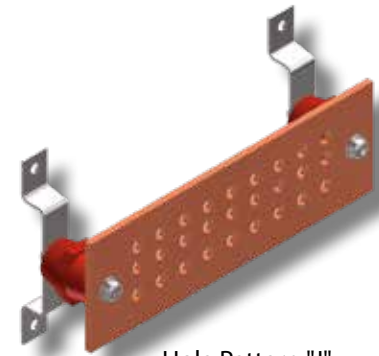
- Mounting holes not included in total.
- Accommodates two hole lugs spaced 3/4", 1" and 1-3/4" on center.
- 12" bar pictured. Holes are 7/16" diameter.
- Bars available electro-tin plated.
- Bars available with pigtails.
- Tamper proof bolts available.
- Plexiglas cover available.
- Other sizes available. Contact factory for details.

| Pattern "M"    |                              |        |                 |            |
|----------------|------------------------------|--------|-----------------|------------|
| Catalog Number | Kit                          | Tinned | Bar Size        | # of Holes |
| CB14412M       | Bar Only                     | No     | 1/4" X 4" X 12" | 48         |
| TCB14412M      |                              | Yes    | 1/4" X 4" X 12" | 48         |
| CB14412MK      | Bar w/ Insulators & Brackets | No     | 1/4" X 4" X 12" | 48         |
| TCB14412MK     |                              | Yes    | 1/4" X 4" X 12" | 48         |
| CB14420M       | Bar Only                     | No     | 1/4" X 4" X 20" | 88         |
| TCB14420M      |                              | Yes    | 1/4" X 4" X 20" | 88         |
| CB14420MK      | Bar w/ Insulators & Brackets | No     | 1/4" X 4" X 20" | 88         |
| TCB14420MK     |                              | Yes    | 1/4" X 4" X 20" | 88         |
| CB14424M       | Bar Only                     | No     | 1/4" X 4" X 24" | 112        |
| TCB14424M      |                              | Yes    | 1/4" X 4" X 24" | 112        |
| CB14424MK      | Bar w/ Insulators & Brackets | No     | 1/4" X 4" X 24" | 112        |
| TCB14424MK     |                              | Yes    | 1/4" X 4" X 24" | 112        |

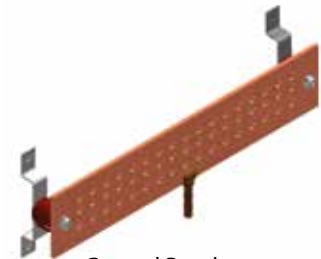
- Mounting holes not included in total.
- Accommodates two hole lugs spaced 3/4" and 1" on center.
- 12" bar pictured. Holes are 7/16" diameter and slots are 7/16" x 11/16".
- Bars available electro-tin plated.
- Tamper proof bolts available.
- Plexiglas cover available.
- Other sizes available. Contact factory for details.

| Pattern "P"    |                              |        |                 |            |
|----------------|------------------------------|--------|-----------------|------------|
| Catalog Number | Kit                          | Tinned | Bar Size        | # of Holes |
| CB14212P       | Bar Only                     | No     | 1/4" X 2" X 12" | 26         |
| TCB14212P      |                              | Yes    | 1/4" X 2" X 12" | 26         |
| CB14212PK      | Bar w/ Insulators & Brackets | No     | 1/4" X 2" X 12" | 26         |
| TCB14212PK     |                              | Yes    | 1/4" X 2" X 12" | 26         |

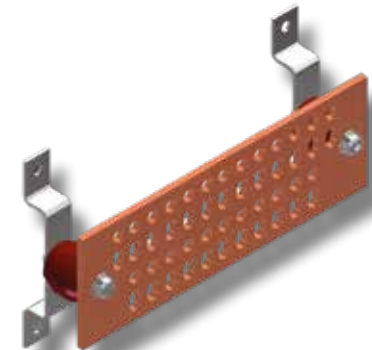
- Mounting holes not included in total.
- Accommodates two hole lugs spaced 3/4" and 1" on center.
- 12" bar pictured. Holes are 7/16" diameter and slots are 7/16" x 11/16".
- Bars available electro-tin plated.
- Tamper proof bolts available.
- Plexiglas cover available.
- Other sizes available. Contact factory for details.



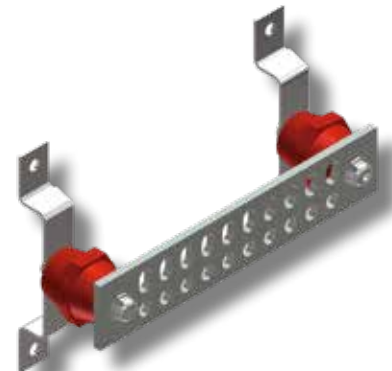
Hole Pattern "J"



Ground Bar shown with optional pigtail.



Hole Pattern "M"

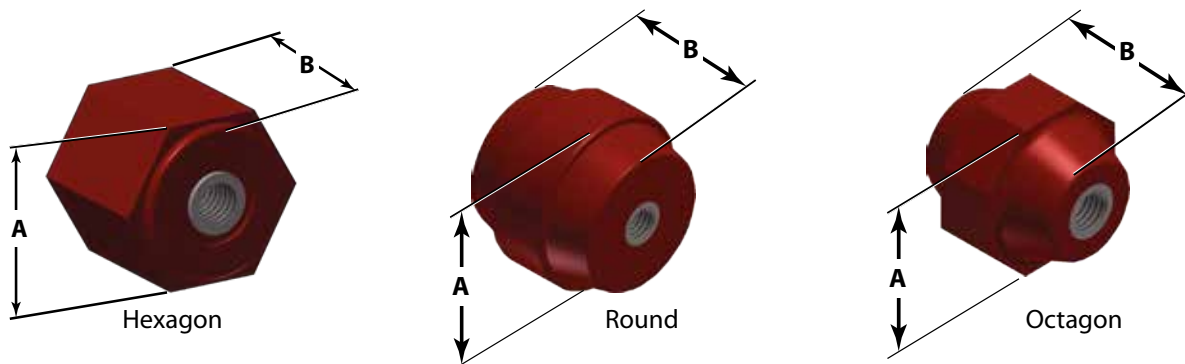


Hole Pattern "P"



# GROUNDING PRODUCTS

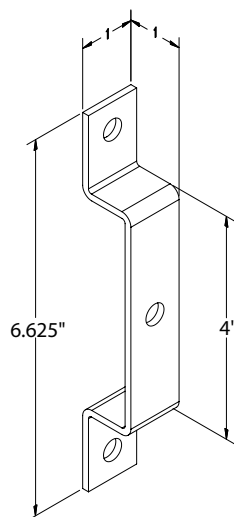
## STANDOFF INSULATORS - RED



Manufactured from glass reinforced thermoset polyester.

| Catalog Number | "A"    | "B"    | Shape   | Thread Size           | Voltage Rating |
|----------------|--------|--------|---------|-----------------------|----------------|
| 38-6330-00     | 1"     | 1"     | Hex     | 1/4" - 20 X 5/16" AL  | 600            |
| 38-6330-01     | 1"     | 1 1/4" | Hex     | 1/4" - 20 x 5/16" AL  | 600            |
| 38-6331-00     | 2"     | 1 1/2" | Octagon | 1/4" - 20 X 7/16" STL | 1500           |
| 38-6333-00     | 1 3/4" | 2"     | Round   | 3/8" - 16 X 9/16" STL | 2500           |
| 38-6334-00     | 2"     | 2"     | Octagon | 1/2" - 13 X 5/8" STL  | 2500           |
| 38-6334-01     | 2"     | 2"     | Octagon | 3/8" - 16 X 9/16" STL | 2500           |
| 38-7725-00     | 2"     | 2 1/4" | Octagon | 3/8" - 16 X 9/16" STL | 2700           |
| 38-7725-01     | 2"     | 2 1/4" | Octagon | 1/2" - 13 X 5/8" STL  | 2700           |
| 38-6335-00     | 2 1/2" | 2 5/8" | Octagon | 5/8" - 11 X 3/4" AL   | 3400           |

## MOUNTING BRACKETS



38-7228-00



| Catalog Number | Mounting Hole Size | "H" | Kit |
|----------------|--------------------|-----|-----|
| 38-7230-00     | 7/16"              | 1"  | Yes |
| 38-7228-00     | 7/16"              | 1"  | No  |

- Manufactured from 304 series stainless steel.
- Kit includes two of the assembly (pictured) plus the 3/8" hardware required to mount to a ground bar.
- Mounting Kit uses 38-6333-00 insulators