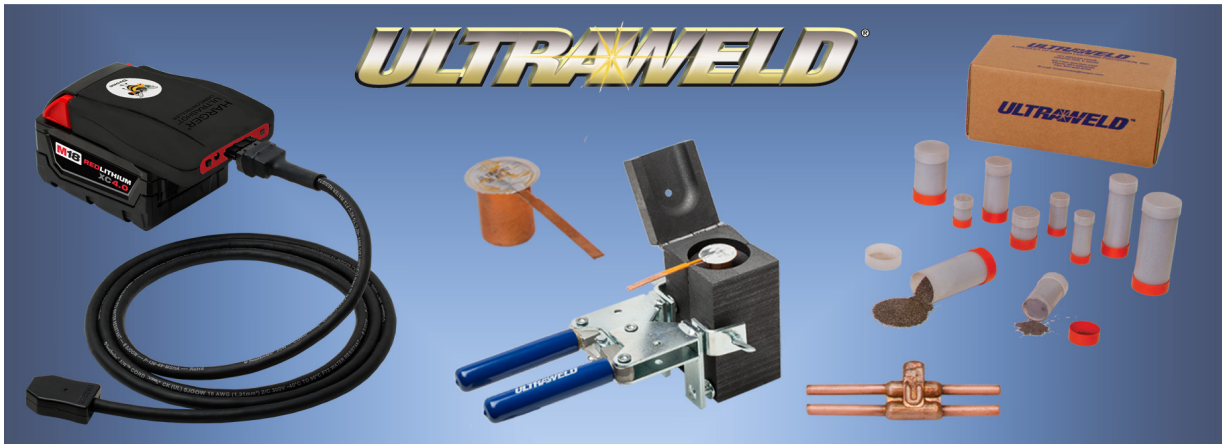


# HARGER®

grounding • exothermic • lightning protection

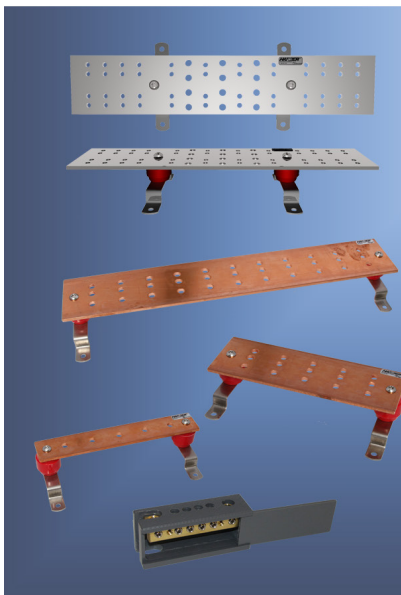
## Exothermic Welding



**Grounding Busbars**

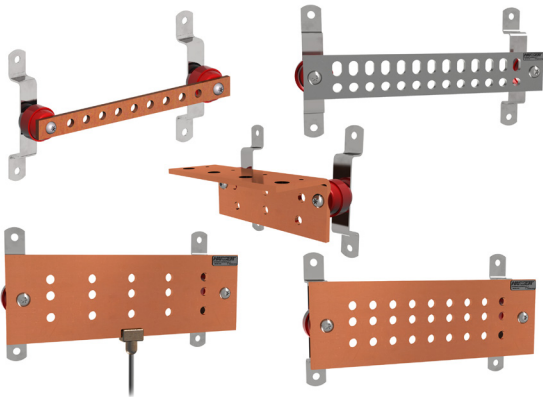
**Conductors**

**Lightning Protection**



**Solutions for Lightning Protection,  
Bonding & Grounding**

# Grounding busbars

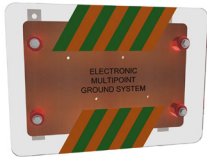
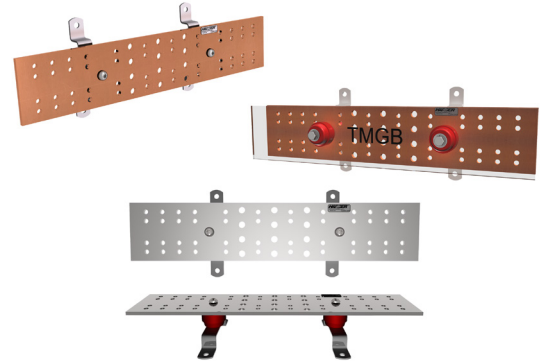


## Grounding Busbars

Today's sensitive electronic environments require specialized bonding and grounding techniques. Understanding high frequency, equipotential ground planes and signal reference subsystems are imperative when protecting sophisticated electronic systems; grounding busbars play an important role.

## Telecommunications Grounding Busbars

A wide array of sizes and types are available with or without plexiglass covers, meeting the requirements established by ANSI/TIA-607-B Bonding and Grounding Standard.

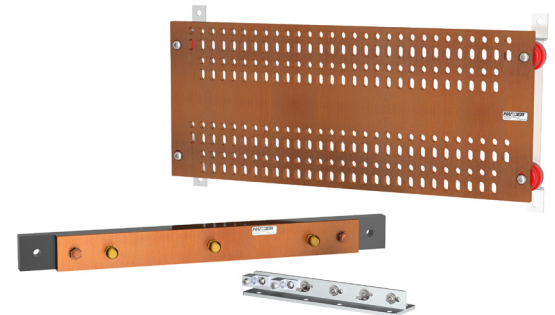


## FAA Style Grounding Busbars

As the industry's preeminent supplier of FAA grounding busbars, Harger uses the highest quality materials coupled with extraordinarily fast lead times.

## Custom Grounding Busbars

Thousands of standard busbar configurations are available however, custom busbars designed to your specifications are Harger's specialty and at NO extra charge!



# Conductors



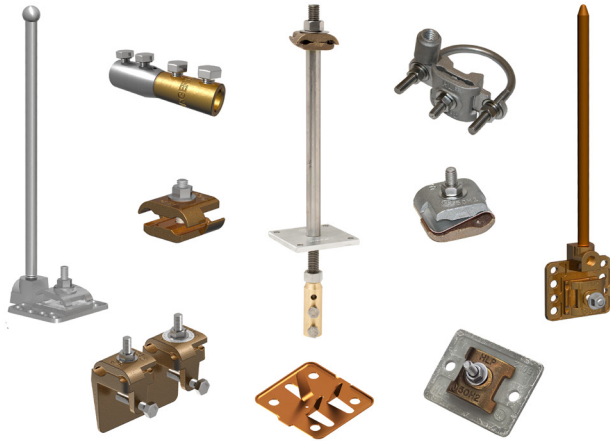
**Lightning Protection & Grounding Conductors**  
Using custom high speed drawing, plating and cabling equipment, conductors are manufactured at the Harger facility in North Carolina. A wide variety of lightning conductors and bare or tinned copper grounding conductors sized #10 through 250 MCM are produced daily.



Harger's North Carolina wire manufacturing facility



# Lightning protection



## Lightning Protection Equipment

Innovative, installer-friendly components make Harger the leading provider of lightning protection equipment. These products are also backed by the foremost lightning protection design department in the world today.

## Field Services

On-site project support is also available through the Field Services Department. Harger's technical expertise helps to ensure that projects are completed correctly and on time.



## Training Support

At Harger University, lightning protection installation courses are offered monthly to all interested parties. Other classes such as exothermic certification, general bonding and grounding, wireless and telecommunications grounding are also taught.

# Exothermic welding

## ULTRASHOT®



## UltraShot®

This patented technology utilizes a copper container which becomes part of the connection. The electronic ignition system fires instantly and uses an 18 volt Milwaukee® lithium ion battery. At least 1,500 connections can be made before the battery needs a recharge. The 6' ignition cord allows the user to maintain a safe distance from the connection. Molds used in the UltraShot process have been proven to last several times longer than ones being used in the conventional process.

## ULTRAWELD nuw TUBE®

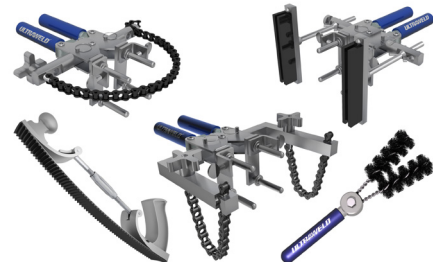


## NUWTube®

Innovative dual chamber design keeps weld metal and starting powder separate until point of use. Less starting powder is also needed, thereby reducing the amount of flash during the ignition process.

## Accessories

User friendly, labor saving designs makes Harger accessories the contractor's choice. A full complement of molds, mold handles, cleaning brushes, rasps, belt holster, DC chargers, etc. are available.





Approximately 35 miles from Chicago, the corporate office and 50,000 square foot facility is located in Grayslake, Illinois.



Another 75,000 square foot manufacturing plant, approximately 110 miles south of Raleigh, is located in Fairmont, North Carolina.

Both Harger facilities are strategically located to serve the needs of customers from coast to coast. Port facilities are located close by to serve the needs of our international customers.

**For more information, please contact Harger.**

**HARGER<sup>®</sup>**

**Harger Lightning & Grounding**

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