



# Ground Rod Clamps



**Standard Ground Rod Clamp**  
**Made of Copper Bronze**

**#50 - 1/2" Clamp.** Wt. .24 lb. ea. ★  
**#51 - 5/8" Clamp.** Wt. .30 lb. ea. ★  
**#52 - 3/4" Clamp.** Wt. .28 lb. ea. ★

Above clamps fit standard cable through 2/0 with corresponding size ground rod as indicated.



**Heavy Duty Ground Rod Clamp**  
**Made of Copper Bronze**

**#50A - 1/2" Clamp.** Wt. .36 lb. ea. ★  
**#51A - 5/8" Clamp.** Wt. .42 lb. ea. ★  
**#52A - 3/4" Clamp.** Wt. .52 lb. ea. ★

Above clamps fit standard cable through 2/0 with corresponding size ground rod as indicated.

## Cross Run Cable and Ground Clamps



**#119 - Bronze Clamp** for connecting 1/2" diameter cable to 1/2" diameter ground rod. Wt. .40 lb. ea. ★

**#A119 - Same as above only in aluminum.** Wt. .14 lb. ea. ★

**#119A - Bronze Clamp** for connecting 5/8" diameter cable to 5/8" diameter ground rod. Wt. .46 lb. ea. ★

**#A119A - Aluminum Clamp** for cross-connecting two aluminum cables. Wt. .16 lb. ea. ★

★ Denotes normally stocked item available for shipment within 48 hours. Items not stocked are available within 14 days.



**Product Manufactured by: Independent Protection Co., Inc.**  
**Product Distributed by: Ohio Valley Lightning Protection, Inc.**  
 520 Leeka Road, New Vienna, OH 45159  
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 Email: LightningBuck@aol.com  
 Website: [www.lightning-systems.com](http://www.lightning-systems.com)



# Ground Rod Clamps



  
LISTED  
45H2

**#119B - Bronze Heavy Duty Cross Run Clamp.** Clamp has four hex screws for cross-connecting 1/2" dia. cable to 5/8" or 3/4" dia. ground rods. Wt. .64 lb. ea.



  
LISTED  
45H2

**#180 - Ground Rod and Parallel Cable Clamp.** Made of copper bronze, for clamping two standard cables through 2/0 to ground rod up to 3/4" dia. Clamp type cable fasteners provide maximum strength. Wt. .98 lb. ea.



  
LISTED  
45H2

**#196 - Heavy Duty Ground Rod and Cross Cable Clamp.** Made of copper bronze with clamp type cable fastener 4" in length, fits all standard cables through 2/0. Clamp fits 5/8" ground rod. (Also furnished for 3/4" dia. Ground rod when specified.) Wt. .86 lb. ea. ★



  
LISTED  
45H2

**#197 - Bronze All Purpose Ground Rod and Cable Clamp** used as cross run clamp. Will connect all sizes of ground rods up through 3/4" to one vertical cable or two horizontal cables. Clamp fits standard cables up through 2/0. (Used for parallel or horizontal connections.) Wt. .60 lb. ea.

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# Ground Floor Receptacles



**#310 - Bronze Floor Ground Receptacle** of heavy duty construction, with clamp type cable fastener for connecting one or two standard cables through 2/0 to ground rod. When ordering, please specify diameter and whether ground rod is threaded or plain. Wt. 2.72 lb. ea.



**#311 - Bronze Floor Ground Receptacle** of heavy duty construction. Receptacle furnished for all size ground rods, 1/2" 5/8" and 3/4" either plain or threaded. When ordering, please specify diameter and whether ground rod is threaded or plain. Wt. 2.22 lb. ea.

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# Ground Plates and Charcoal Grounds



**#583 - Copper Charcoal Ground.** 4" dia. X 24" tube filled with charcoal. Wt. 10.72 lb. ea.

**#583X - Perforated Copper Charcoal Ground.** Same as above but has perforated tube. Wt. 7.60 lb. ea.

Additional chemicals such as magnesium sulfate will improve or lower ground resistance even further.



**#584 - Large Length Four Wing Ground Plate.** Each wing is 3 1/2" wide, 18" long. Made of 20 ga. copper. Wt. 3.46 lb. ea.



**#585 - Small Length Four Wing Ground Plate.** Each wing is 6" wide, 9" long. Made of 20 ga. copper. Wt. 2.66 lb. ea. ★



**#586 - Copper Bronze Ground Plate** 12" x 12" x 1/4" thick. Wt. 13.28 lb. ea.

**#586X - Copper Bronze Ground Plate** 12" x 12" x 1/2" thick. Wt. 20.68 lb. ea.



## Copper Sheet Ground Plates

The following ground plates are made of 20 gauge copper sheet stock.

**#587** - 18" x 36". Wt. 6.75 lb. ea.

**#587A** - 36" x 36". Wt. 13.48 lb. ea.

**#588** - 18" x 24". Wt. 4.60 lb. ea. ★

**#589** - 18" x 18". Wt. 3.125 lb. ea. ★

IPC is able to quote special size if quantity is warranted.

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# Grounding



## Ground Rods—Copperweld

IPC#	Specs	Wt.	In-Stock
137	1/2" x 8'	5.52	★
137A	1/2" x 9'	6.30	★
138	1/2" x 10'	6.98	★
139	5/8" x 8'	6.68	★
577	5/8" x 10'	8.44	★
579	3/4" x 10'	12.36	★

## Ground Rods—Stainless Steel

IPC#	Specs	Wt.	In Stock
138L	1/2" x 10'	6.80	
577L	5/8" x 10'	10.50	
579L	3/4" x 10'	15.30	

IPC offers compression couplers for applications that require multiple ground rods.



## Compression Ground Rod Couplers

IPC#	Specs	Wt.	In-Stock
141CC	1/2" Coupler	.32	★
141XC	5/8" Coupler	.32	★
141YC	3/4" Coupler	.32	★

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# Cable Guards and Fasteners



**#G81 - Bronze Guard Fastener** for use with IP-591, 3/4" Copper Guard Pipe. Bolt hole size is 5/16". Wt. .06 lb. ea. ★



**#135A - Poly "U" Guard Fastener** for use with #349P Polyurethane "U" Guard or for 3/4" PVC. Wt. .08 lb. ea. ★



**#177 - Bronze Bonding Wedge** for use when bonding standard cables through 2/0 to 1" dia. Conduit. When conductors are run in conduit, recommended practice is that a bonding wedge is at both top and bottom of conduit. Wt. .26 lb. ea. ★

**#A177 - Aluminum Bonding Wedge.** Wt. .08 lb. ea. ★



**#177X - 3/4" Copper Guard Bonding Wedge** for use when making metallic connection between 3/4" guard and copper cable. Wt. .04 lb. ea. ★



**#349P - Polyurethane "U" Guard.** Guard is 8' in length and may be painted to desired color. For cables through 2/0. Wt. .68 lb. ea. ★



**#591 - Copper Guard Pipe.** Guard is 3/4" OD by 8' length. Fits standard cables through 2/0. Wt. 4.26 lb. ea. ★

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## TerraDyne® - Electrolytic Grounding Systems



For most lightning protection systems, the installation of ground rods is the preferred method of grounding. For those few applications that require very low Ohms resistance testing, an option for consideration is a chemical ground rod system.

### **Chemical Ground Rod Systems**

IPC has partnered with a company that manufactures TerraDyne®, a chemical ground rod system. This chemical grounding system is an enhanced method of grounding and is used in applications that require very low ground resistance. The TerraDyne® system is filled with TerraFill® and other ingredients to achieve excellent grounding resistance.

### **What is a TEGS?**

TerraDyne Electrolytic Grounding System (TEGS) is a multipurpose grounding system. It has been designed to provide long term protection from lightning, electrical transients, static discharges, electro-magnetic interference and other electrical hazards. This system may be used for virtually any application where the protection of machinery, electronics and personnel is important.

TEGS is designed for use in any type of soil condition. Some of the many applications where it is commonly used include cellular, radio and television broadcasting sites, computer facilities, power substations, communication centers, medical facilities and industrial plants.

Protecting your expensive and sensitive equipment is essential. TEGS enhances the performance of your electronics, stabilizes signal references and reduces the risk of injuries. The end result is a stable grounding system that provides undisturbed long-term performance while maintaining cost efficiency.

Designing a TerraDyne® system requires a certain amount of engineered services in order to achieve the desired results. A 3-point fall of potential test, 4-point soil resistivity test and a complete physical footprint of the land and the building being protected are elements in this analysis. Because of the of engineering evaluations and upfront associated expenses incurred, advance payment will be required.

If you have an occasion where this service might be an option, please contact IPC and we will begin coordinating your request with our source.



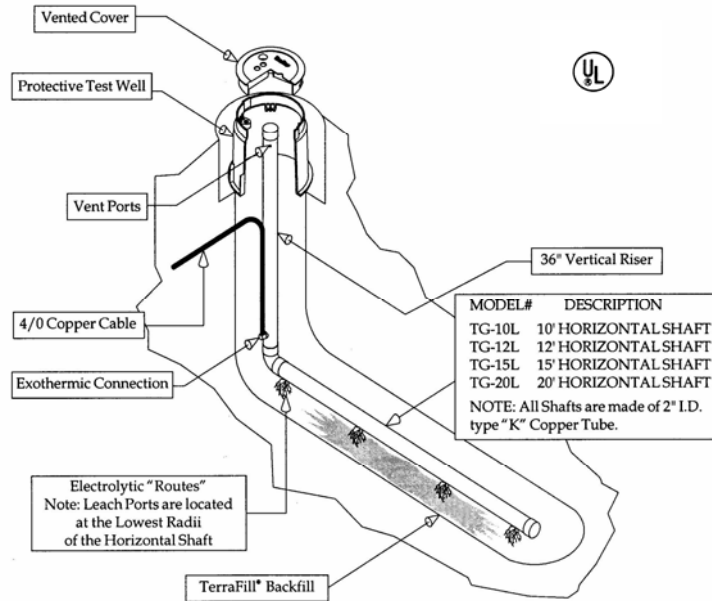
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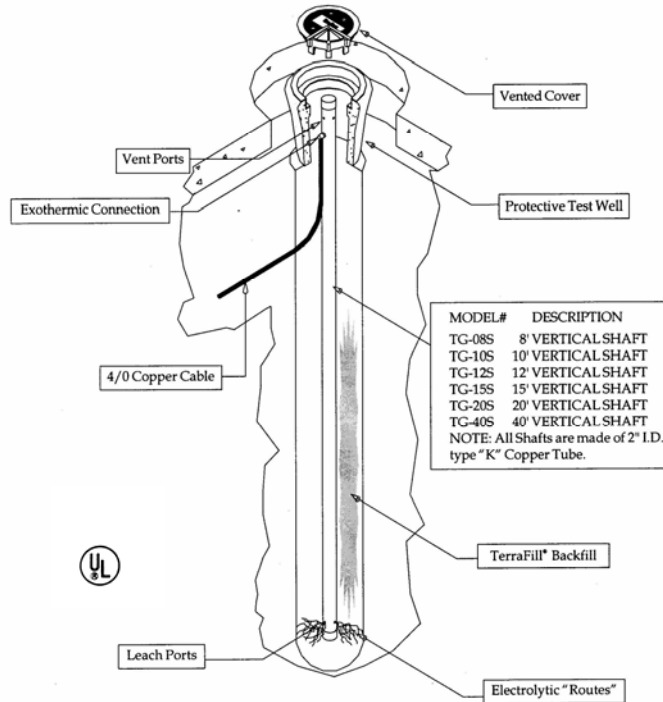
# TerraDyne® - Electrolytic Grounding Systems



## Horizontal Model



## Vertical Model



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