

SOUTHERN GROUNDING  
A PRODUCT OF SOUTH ATLANTIC, LLC



SOUTHERN  GROUNDING

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*Lowell*





We can produce custom lengths of all our types of ground rods for your special needs and applications. Because we ship from electrical agencies throughout the United States, as well as our factory in Chattanooga, TN, we provide fast service. We guarantee same-day shipping of our standard ground rods and accessories in stock.



Toll-free: 855.327.8063 • Local: 423.698.4199 • Fax: 423.826.3525  
 e-mail: [sgrounding@southatlanticllc.com](mailto:sgrounding@southatlanticllc.com) • [www.southerngroundingproducts.com](http://www.southerngroundingproducts.com)

Our galvanized, copperclad, and stainless steel ground rods and accessories meet or exceed industry standards and are available in popular diameters and lengths.



## Hot Dipped Galvanized Ground Rods

- ANSI/UL 467
- ANSI/NEMA GRI
- CSA C22.2
- Rural Utilities Service listed and accepted
- Steel—ASTM-A-529/Grade 50 or cold drawn ASTM-A-1080/C-1018-1035
- Tensile strength 80,000-100,000 PSI
- Galvanized to ASTM-A-153 for zinc-coated corrosion protection after fabrication
- Galvanized ground rod surfaces are rigid, free of seams and slivers; galvanized coating is smooth with no burrs or runs.
- Unique four-sided point
- All popular lengths in 1/2", 5/8", 3/4" and 1" diameters are available for immediate shipping.



CATALOG NUMBER	DIMENSIONS			GALVANIZED COATING	WEIGHT	PACKAGED
	DESCRIPTION	NOMINAL DIAMETER IN INCHES	ACTUAL DIAMETER IN INCHES		IN POUNDS	SUB / MASTER BUNDLES
Z124	1/2" x 4'	1/2"	.500" TOLERANCE +.015 / -.000	ASTM-A 123 or ASTM-A 153	2.8 lbs.	5 / 100
Z125	1/2" x 5'				3.5 lbs.	
Z126	1/2" x 6'				4.2 lbs.	
Z128	1/2" x 8'				5.6 lbs.	
ZZ584	5/8" x 4'	5/8"	.625" TOLERANCE +.015 / -.000	ASTM-A 123 or ASTM-A 153	4.2 lbs.	5 / 100
ZZ585	5/8" x 5'				5.25 lbs.	
ZZ586	5/8" x 6'				6.3 lbs.	
ZZ588*†	5/8" x 8'	5/8"	.625" TOLERANCE +.015 / -.000	ASTM-A 123 or ASTM-A 153	8.4 lbs.	5 / 100
ZZ5810*	5/8" x 10'				10.6 lbs.	
Z348*†	3/4" x 8'	3/4"	.750" TOLERANCE ± 1/32"	ASTM-A 123 or ASTM-A 153	11.6 lbs.	3 / 60
Z3410*	3/4" x 10'				14.5 lbs.	
ZZ3410*	3/4" x 10'				.750" TOLERANCE +.015 / -.000	15.8 lbs.
Z110*	1" x 10'	1"	1" TOLERANCE ± 1/32"		28 lbs.	- / 25

Meets ANSI/UL 467 and ANSI/NEMA GRI  
 Company name, part number, UL and/or CSA logo and control number are located within 12" of the blunt end of each rod.

\*Meets National Electric Code (NEC) and National Electric Safety Code (NESC) requirements  
 † Rural Utilities Services accepted (RUS) – USDA



# Copperclad Ground Rods



Meet the following industry standards:

- ANSI/UL 467
- Rural Utilities Service—RUS
- Steel—cold drawn ASTM-A-1080
  - SAE 1018-1035 carbon steel
  - Tensile strength 80,000-100,000 PSI
  - Steel Rockwell Hardness—B80 (minimum)
- Copper coating is a minimum of .010 inches, meeting or exceeding UL, CSA and ANSI specifications for corrosion protection
- Company name, part number, UL and/or CSA logo and control number are located within 12" of the chamfered end of each rod.
- Pointed and sectional copperclad ground rods in popular diameters and lengths are available for immediate shipping: 1/2", 5/8", 3/4", and 1" diameters; 6', 8', and 10' lengths.
- Custom lengths can be produced for customers' special requirements. Minimum quantities required.



CATALOG NUMBER		DIMENSIONS					PACKAGED	
POINTED RODS	SECTIONAL RODS	NOMINAL DIAMETER IN INCHES	ACTUAL DIAMETER ± .005	LENGTH	THREAD		WEIGHT IN POUNDS	SUB / MASTER BUNDLES
					UNC IN INCHES	LENGTH IN INCHES		
C126		1/2"	.500	6'	9/16"	1 1/16"	4.22 lbs.	
C585		5/8"	.560	5'	5/8"		4.27 lbs.	
C586	CS586			6'			5.12 lbs.	
C128		1/2"	.500	8'	9/16"	1 1/16"	5.62 lbs.	5 / 100
C1210				10'			7.03 lbs.	
C588	CS588			8'			6.83 lbs.	
C58813*				8'			6.83 lbs.	
C5810	CS5810	5/8"	.560	10'	5/8"	1 3/16"	8.54 lbs.	
C581013*				10'			8.54 lbs.	
C5812				12'			10.30 lbs.	5 / 50
C348	CS348	3/4"	.678"	8'	3/4"	1 1/8"	10.00 lbs.	3 / 60
C34813*				8'			10.00 lbs.	
C3410	CS3410			10'			12.50 lbs.	
C341013*				10'			12.50 lbs.	
C110	CS110	1"	.912"	10'	1"	1 1/8"	22.51 lbs.	- / 25

Meets ANSI/UL 467 and ANSI/NEMA GRI



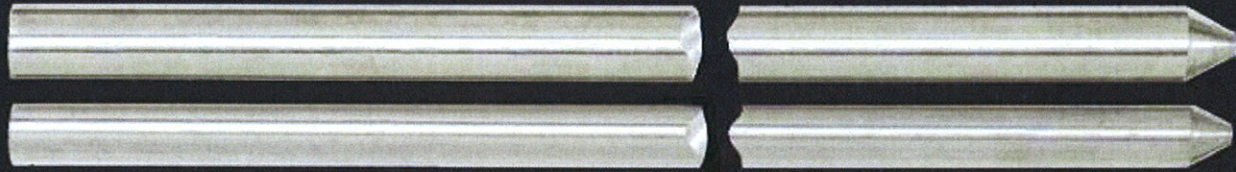
\*Rural Utilities Services accepted (RUS) – 15 mil average, 13 mil minimum copper coating



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# Stainless Steel Rods

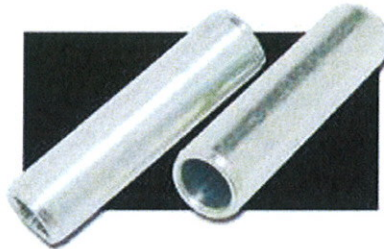


- The ultimate in corrosion protection • Type 304, solid stainless steel, ASTM-A-276
- Standard conical point

CATALOG NUMBER	CONICAL DESCRIPTION	DIAMETER TOLERANCE +/010 / -.000	WEIGHT	SUB / MASTER BUNDLES
SS588	5/8" x 8'	.625	8.35 lbs.	5 / 100
SS5810	5/8" x 10'	.625	10.43 lbs.	5 / 100
SS3410	3/4" x 10'	.750	15.02 lbs.	3 / 60

## Threadless Couplings for Galvanized Ground Rods

- Composition of high-strength steel, zinc coated for corrosion protection
- Tapered to compress to the form of the ground rod
- Join two or more ground rods
- 95% conductivity
- Pullout force no less than 1,500 lb./ft.



THREADLESS COUPLINGS FOR GALVANIZED RODS		
PART #	ACTUAL ROD DIAMETER (REQUIRED TOLERANCE +.014/ -.000")	PACKAGED (PER BOX)
58CCZZ	5/8 (.625)"	75
34CCZZ	3/4 (.730 - .770)"	75



## Threadless Couplings for Copperclad Ground Rods

- Tapered to compress to the form of the ground rod
- Join two or more ground rods
- Composition of high-strength silicon bronze
- 95% conductivity • UL Listed

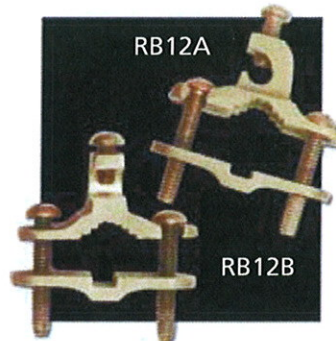


THREADLESS COUPLINGS FOR COPPERCLAD RODS		
PART #	ACTUAL ROD DIAMETER (REQUIRED TOLERANCE ±.005")	PACKAGED (PER BOX)
58DC	5/8 (.560)"	25
34DC	3/4 (.678)"	25



## Lay-in Clamps

- For rebar applications
- UL listed for direct burial in earth or concrete and use with rebar
- Fits 1/2" to 1" rebar or ground rods
- Wire size range 10 SOL. to 2 STR.
- Used extensively for grounding to rebar in concrete



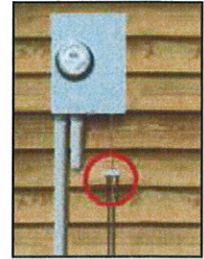
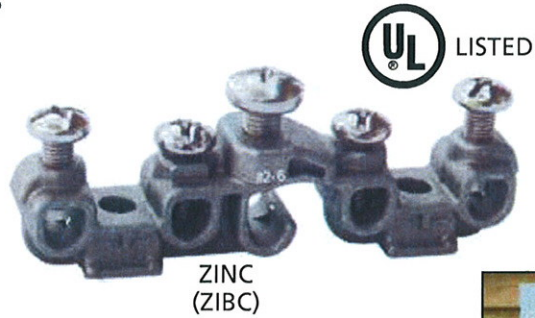
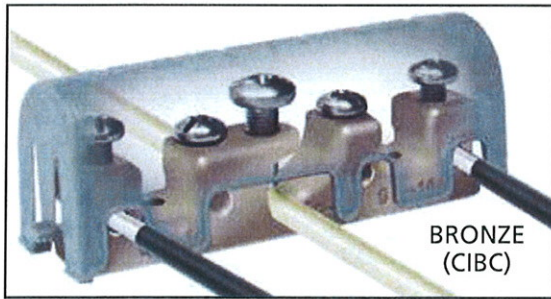
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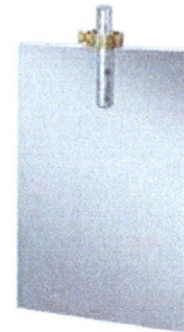
## Intersystem Bonding Connectors



- Accommodate 6-2 AWG grounding Electrode Conductor; 14-4 AWG bonding conductors (20 per carton)
- Lay-in connection to grounding conductor
- Comply with the requirements of the 2008 & 2011 NEC Article 250.94, Bonding for Other Systems
- Snap-on UV stabilized covers for easy connection and inspection
- Quick, easy interconnections and terminations from telephones, CATV, radio, television antenna, etc.
- Fast, simple installation on ground conductor below meter

## Steel Electrode Grounding Plate (ZGP1016)

- Perfect for applications where ground rods aren't practical
- Available in galvanized or bare steel
- 1/4" x 10" x 16"
- Available with or without bronze clamp (UL) connector
- CSA Listed



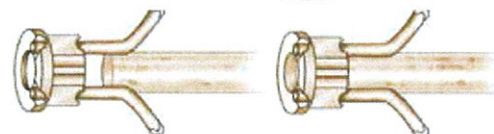
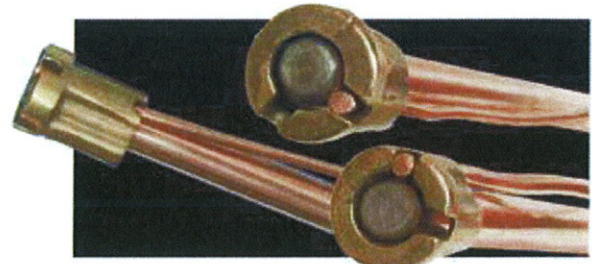
## Universal Grounding Clamps (UGC)

- UL and CSA listing for direct burial in earth or concrete and for use with rebar
- Fits 1/2", 5/8", and 3/4" ground rods
- Accommodates wire range from 1/0 to 10
- All bronze non-corrosive copper alloy and/or stainless steel
- Stocked for same day shipping
- Saves money by reducing inventory needs
- Designed to withstand a minimum 300 inch pounds of torque



## Drive Ground (Drive-on) Clamps (DGC5846)

- UL listed for direct burial in earth or concrete
- All bronze non-corrosive copper alloy
- 4 or 6 solid copper conductor
- Fits 5/8" copperclad ground rods
- Easy installation with field hammer completes secure "compression" connection of rod and conductor.
- Creates low resistance



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## Bronze Ground Rod Clamps

- UL and CSA listed
- High-strength corrosion-resistant copper alloy and/or stainless steel
- Suitable for direct burial in earth or concrete and for use with rebar
- Made in USA

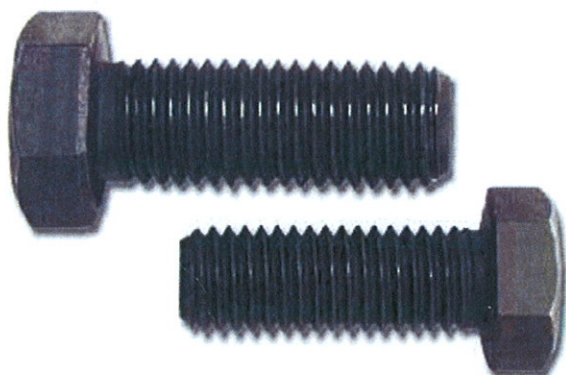
STANDARD DUTY BRONZE CLAMPS (A)			
PART #	ROD SIZE (IN INCHES)	CONDUCTOR RANGE	PACKAGED (PER BOX)
G-5	1/2" - 5/8"	10 SOL. - 2 STR.	50
G-6	3/4"	10 SOL. - 2 STR.	50
UGC	1/2", 5/8", 3/4"	10 SOL. to 1/0	50
HEAVY DUTY BRONZE CLAMPS (B)			
WB58H	5/8"	8 SOL. - 1/0 STR.	50
WB34H	3/4"	8 SOL. - 1/0 STR.	50
WB1H	1"	8 SOL. - 4/0 STR.	50



## Bronze Threaded Couplings

- For use with copperclad sectional ground rods
- UL listed
- High-strength corrosion-resistant copper alloy ensures low-resistance connection.
- Chamfered ends to facilitate driving

BRONZE GROUND ROD COUPLINGS			
PART #	ROD SIZE (IN INCHES)	THREAD SIZE	PACKAGED (PER BOX)
12C	1/2"	9/16" - 12 UNS	25
58C	5/8"	5/8" - 11 UNS	25
34C	3/4"	3/4" - 10 UNS	25
10C	1"	1" - 8 UNS	25



## High-strength Drive Studs

- Connect to bronze coupling, preventing damage to coupling and ground rod thread of sectional ground rods
- High-strength corrosion-resistant carbon steel
- Withstand hammer impact

HIGH STRENGTH DRIVE STUDS		
PART #	FOR COUPLING SIZE	HEX HEAD THREADS x LENGTH
DS12	12C	9/16 - 12UNC X 1 5/8"
DS58	58C	5/8 - 11UNC X 1 3/4"
DS34	34C	3/4 - 10 UNC X 2"
DS10	10C	1 - 8UNC X 2"

**SOUTH ATLANTIC**  
LLC

Southern Grounding, a product of South Atlantic, LLC  
 c/o South Atlantic Manufacturing  
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