

SOUTHERN GROUNDING P R O D U C T S

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SOUTHERN GROUNDING P R O D U C T S

At Southern Grounding Products of South Atlantic, LLC, 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



- Rural Utilities Service listed and accepted
- Steel—ASTM-A-529/Grade 50 or cold drawn ASTM-A-1080/C-1008-1035
- 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- and 3/4-inch 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.	
Z584	5/8" x 4'	5/8"	.625" TOLERANCE ± 1/32"		4 lbs.	
Z585	5/8" x 5'				5 lbs.	
Z586	5/8" x 6'				6 lbs.	
ZZ5810*	5/8" x 10'				10.6 lbs.	
ZZ588*†	5/8" x 8'				8.4 lbs.	
Z348*†	3/4" x 8'	3/4"	.750" ± 1/32"		11.6 lbs.	
Z3410*	3/4" x 10'			14.5 lbs.		
Z110*	1" x 10'	1"	± 1/32"	28 lbs.	- / 25	

*Meets National Electric Code (NEC) and National Electric Safety Code (NESC) requirements

† Rural Utilities Services accepted (RUS) – USDA

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



Copperclad Ground Rods



Meet the following industry standards

- UL 467
- ANSI C33.8
- Rural Utilities Service—RUS
- Steel—cold drawn ASTM-A-1080
 - SAE 1010-1035 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 and ANSI specifications.
- Company name, UL logo, control number, and part 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-inch diameters; 6-, 8-, and 10-foot lengths.
- Custom lengths can be produced for customer's 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.	5 / 100	
C128				8'			5.62 lbs.		
C1210				10'			7.03 lbs.		
C586	CS586	5/8"	.560"	6'	5/8"	1 3/16"	5.12 lbs.		
C588	CS588			8'			6.83 lbs.		
C58813*				8'			6.83 lbs.		
C5810	CS5810			10'			8.54 lbs.		
C581013*				10'			8.54 lbs.		
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		1"	.912"	10'	1"	1 1/8"	22.51 lbs.	- / 25	

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

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)"	100

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



THREADLESS COUPLINGS FOR COPPERCLAD RODS		
PART #	ACTUAL ROD DIAMETER (REQUIRED TOLERANCE ±.005")	PACKAGED (PER BOX)
12DC	1/2 (.500)"	25
58DC	5/8 (.560)"	25
34DC	3/4 (.678)"	25

Universal Grounding Clamps (UGC)

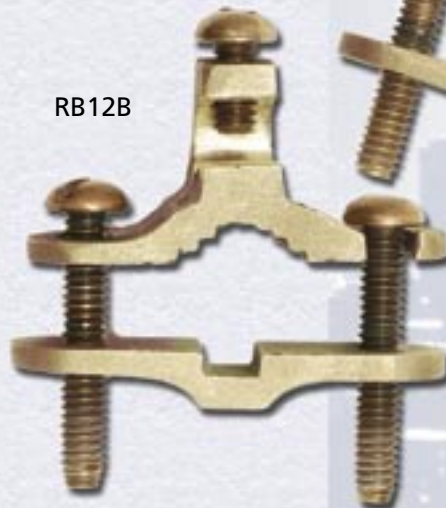
- UL and CSA listing for direct burial in earth or concrete
- Fits 1/2", 5/8", and 3/4" ground rods
- Accommodates wire range from 1/0 to 10
- All bronze non-corrosive copper alloy and/or stainless steel
- Stocked for same day shipping
- Saves money by reducing inventory needs
- Designed to withstand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



Lay-in Clamps

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

RB12B

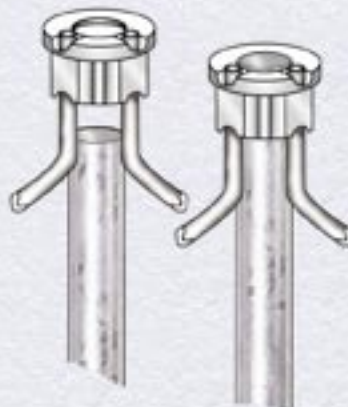


RB12A



Drive Ground (Drive-on) Clamps (DGC5846)

- UL listed for direct burial in earth or concrete
- All bronze non-corrosive copper alloy
- Wire size range #10 to #2
- 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





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
- Made in USA

STANDARD DUTY BRONZE CLAMPS (A)			
PART #	ROD SIZE (IN INCHES)	CONDUCTOR RANGE	PACKAGED (PER BOX)
G-4	1/2"	8 SOL. - 2 STR.	100
G-5	5/8"	10 SOL. - 2 STR.	50
G-6	3/4"	10 SOL. - 2 STR.	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 Ground Rod Couplings

- For use with 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" - 12UNS	25
58C	5/8"	5/8" - 11UNS	25
34C	3/4"	3/4" - 10UNS	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"



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