

SOUTHERN



GROUNDING

A PRODUCT OF SOUTH ATLANTIC, LLC



For several decades, Southern Grounding Products (SGP) has served the residential, commercial/industrial and utility markets with quality grounding rods and related products which meet current industry standards and specifications. We cover the nation with 22 stocking locations which allows for quick service and delivery. We are a South Atlantic Company with manufacturing and customer service located in Chattanooga, TN.

Please contact customer service or your local sales agent (see QR code) with inquiries. **We've Got You Covered!**

Toll-free: 855.327.8063 • Local: 423.698.4199
 Fax: 423.826.3525 • e-mail: sgrounding@southatlanticllc.com
www.southerngroundingproducts.com



Scan to find Southern Grounding sales agents and stocking locations.



Hot Dipped Galvanized Ground Rods



Scan for NEMA standards.

- ANSI/UL 467
- 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 stocked nationwide.

- ANSI/NEMA GR1-2017
- CSA C22.2



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		4.2 lbs.		
ZZ585	5/8" x 5'				5.25 lbs.		
ZZ586	5/8" x 6'				6.3 lbs.		
Z588N	5/8" x 8' <small>NOM</small>	5/8"	.55" TOLERANCE ±.015		ASTM-A 123 or ASTM-A 153		6.1 lbs.
ZZ588F*†	5/8" x 8' <small>FULL</small>			8.4 lbs.			
ZZ5810*	5/8" x 10'	3/4"	.750" TOLERANCE ± 1/32"	10.6 lbs.		5 / 100	
Z348*†	3/4" x 8'			11.6 lbs.			
Z3410*	3/4" x 10'	1"	1" TOLERANCE ± 1/32"	14.5 lbs.		5 / 50	
Z110*	1" x 10'			28 lbs.			
ZZ3410*	3/4" x 10'	3/4"	.750" TOLERANCE +.015 / -.000	ASTM-A 123 or ASTM-A 153		15.8 lbs.	5 / 50

Meets ANSI/UL 467 & ANSI/NEMA GR1-2017

 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

Copper-Bonded Ground Rods



Meet the following industry standards:

- ANSI/UL 467 • ANSI/NEMA GR1-2017 • CSA C22.2
- Rural Utilities Service—RUS
- Steel—cold drawn ASTM-A-1080
 - SAE 1018-1035 carbon steel
 - Tensile strength 80,000-100,000 PSI • ANSI C33.8
 - 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 copper-bonded ground rods in popular diameters and lengths are stocked nationwide: 1/2", 5/8", 3/4", and 1" diameters; 6', 8', and 10' lengths.
- Copper is molecularly bonded to a steel core through an electrolytic process to create a permanent bond.



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	SP			10'			7.03 lbs.		
C588	CS588	5/8"	.560	8'	5/8"	1 3/16"	6.83 lbs.	UL	
C58813*				8'			6.83 lbs.		
C5810	CS5810 SP			10'			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.		5 / 50
C34813*				8'			10.00 lbs.		
C3410	CS3410 SP			10'			12.50 lbs.		
C341013*				10'			12.50 lbs.		
C110	CS110 SP	1"	.912"	10'	1"	1 1/8"	22.51 lbs.		- / 25

*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 +0.010 / -.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.	5 / 50	


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 Copper-Bonded Ground Rods

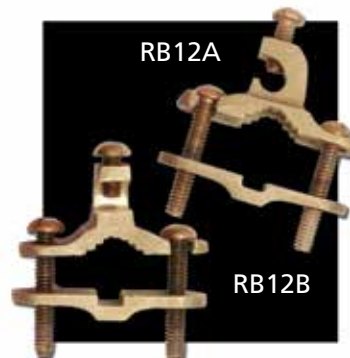
- Tapered to compress to the form of the ground rod
- Join two or more ground rods
- Composition of high-strength silicon bronze 
- 95% conductivity • UL Listed



THREADLESS COUPLINGS FOR COPPER-BONDED 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



Intersystem Bonding Connectors



ZINC
(GB5)



- 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



Water Pipe Clamps

WATER PIPE CLAMPS	
J211	1/2" x 1" Bronze Water Pipe Clamp #2 str-#10 solid UL
JB1142	1 1/4" x 2' Bronze Water Pipe Clamp #2 str-#10 solid, direct burial, UL



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

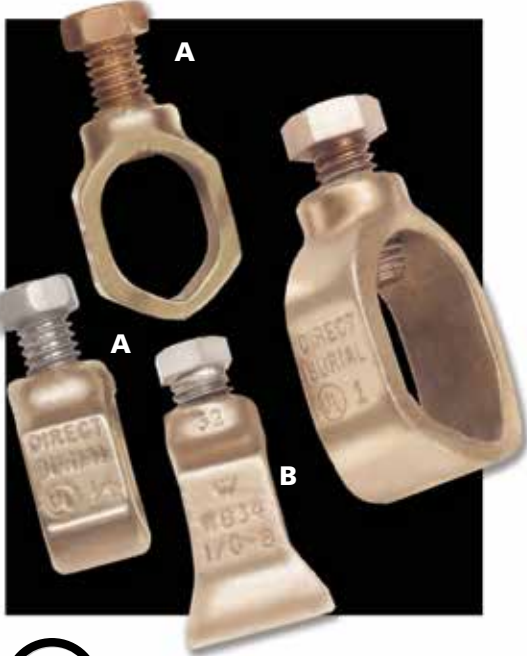
- For use with copper-bonded sectional ground rods
- UL listed
- High-strength corrosion-resistant copper alloy ensures low-resistance connection.
- Chamfered ends to facilitate driving

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

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"

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