



# ANSONIA COPPER & BRASS, INC.

## ROD & BAR PACKAGING

Ansonia Copper & Brass, Inc. can supply it's specialty copper and copper alloy rod and bar with a variety of length designations, end features, and packages.

**Length Designations** are described in the following table.

<i>Straight Length Designations</i>	<i>Size range Diameter or DBPS*</i>	<i>Nominal Length (Ft.)</i>	<i>Lengths of Ends (% of ends per ASTM B 249/B 249M)</i>
<b>Standard</b>			
12 Ft. Mill Lengths	.062" –3" incl	12	8 to 12
Random Lengths	Over 3"	Random	Any Minimum 3 ft. (2 ft UT)
<b>Optional **</b>			
10 Ft. Mill Lengths	.062" –3" incl	10	8 to 10
Exact (Specific) Lengths	.093" - .250" incl	Specified Nominal up to 12 max	None
Exact (Specific) Lengths	Over .250" to 3" incl	Specified Nominal up to 14 max	None
Exact (Specific) Lengths	Over 3"	Not Available	
Exact (Specific) Lengths with Ends***	Over .250" to 3" incl	Specified Nominal up to 12 max	B 249/B 249M determines minimum length and % of ends

\*DBPS – Distance between parallel surfaces; applies to thickness for rectangles.

\*\*May be subject to additional price. \*\*\* the only difference between 12' Mill lengths with ends and 12' Exact lengths with ends, is the tighter length tolerance for exact lengths.

**Rod End Features** - The **standard** end treatment for round rod over .300" diameter is a saw cut: over .281" diameter or DBPS for other rod, bar and shapes. Below this diameter the standard end is shear cut. Rod ends can usually be **chamfered when specified** in the order.



Chamfer on one end is **standard** for C18700, and C20000, C30000, and C50000 series alloys, on round rod sizes .312" – 2.00" diameter. For hexagonal and octagonal rod, the size range is .312" – 1.750". For square, the size range is .312" – 1.500". For other alloys, sizes, and options, please inquire. Color coding of rod and bar ends is covered below.

**Rod and Bar Packages** - The **standard** package for Rod and Bar, 5/16" (.312) diameter and over (except welding rod), is banded bundles. Each bundle has four steel bands over corrugated paper. An **option** for bundles is 100% wrapped with corrugated paper. **Standard** bundle weight is 1000 pounds, but may range from 500 to 2000 pounds as a customer specified **option**.

For Rod under 5/16" diameter, and for specialty extruded shapes, bar (squares and rectangles), West Coast delivery (west of the Mississippi) and Export (outside the continental US), the **standard** package is wooden cases. Export cases are in compliance with ISPM 15, Heat Treatment requirements. Cases have four steel bands; Export and West Coast cases are 1 inch lumber, and have three bottom cleats. **Standard** case sizes are:

STANDARD CASE SIZES*		
CASE NUMBER	INSIDE DIMENSIONS	CAPACITY
233	12'1" X 4" X 4"	500 Lbs.
234	12'1" x 6" x 4"	750 Lbs.
243	16'1" x 4" x 4"	1,000 Lbs.

\*Please contact us for non-standard sizes and capacities.

For rod used in welding applications, cardboard boxes are used with dimensions of approximately 38-1/2" long x 3" wide x 3" high and holding about 50 pounds of rod. The boxes are stacked two rows high, ten in each row, on 40" x 40" pallets. Individual pallets are then stacked and cardboard-wrapped to typically hold 1,000 to 1,500 pounds, but holding more if desired.

**Rod and Bar Marking** - There is no standard marking for rods and bar other than Metal Stamping of heat numbers, when specified by order. For metal stamped heat identification marking, the size range is 1" and over; smaller diameters are bundled and tagged.

Marking options include Ink Line marking, typically to Fed STD 185, which is limited to 1" diameter and over; smaller sizes are bundled and tagged. Ends of product can be color paint coded upon request.

**Rod and Bar Package Marking** – The standard package marking for rod and bar in bundles is a shipping tag and an MSDS tag wired to the bundle. See our website, [www.ansoniacb.com](http://www.ansoniacb.com), for MSDS by alloy group. For cased rod and bar, the shipping tag and MSDS tag are stapled to one end of the case.

For other special packaging or marking requirements and/or dimensional tolerances, please contact our Customer Service Department.

When not specified, dimensional tolerances of our rod and bar products will meet ASTM B249/B249M, considered the commercial industry standard. Our standard tolerances meet the requirements of SAE, AMS, Military, Federal, and ASME specifications as well as ASTM.