

Specifications

Military Specifications

MIL-C-15726F

This specification covers copper-nickel alloy rods, flat products (flat wire, strip, sheet, bar and plate). Includes alloys C71500 (70-30) and C70600 (90-10). Sets forth chemical and physical requirements for copper-nickel alloys. These products are available in soft and hard tempers.

MIL-C-24679

This specification covers copper-nickel forgings in alloy C70600 (90-10) and C71500 (70-30). Previously included in MIL-C-15726E.

MIL-F-20042

This specification covers 50, 100, 150, 250 and 400lb silver-brazed bronze pipe and bulkhead flanges for use with water, oil, gas or steam service not to exceed 425 Deg. F. Used to denote Navy drilling for flanges of any alloy for the sizes and ratings listed in the table below.

MIL-F-20670

150lb slip on and weld neck flanges and carbon steel. Used for dimensions and tolerances for alloys other than carbon steel.

ASTM Standards

B 151

This specification covers copper nickel alloy rod and bar, various annealed and drawn tempers. Alaskan stocks rod and bar in Alloys C70600 (90-10) and C71500 (70-30). This material is certified to MIL-C-15626F and meets the requirements of ASTM B 151.

B 171 (ASME SB-171 is generally identical)

This specification covers plate and sheet intended for use as tube plates in surface condensers and heat exchangers. Alaskan stocks tube plates in alloys C70600 (90-10) and C71500 (70-30).

B 466

This specification includes alloy C70600 (90-10) and alloy C71500 (70-30) seamless copper-nickel pipe intended for general engineering purposes.

B 467

This specification covers alloy C70600 (90-10) and alloy C71500 (70-30) welded copper-nickel pipe and tube intended for general engineering purposes. Alaskan pipe and tube of this specification are rolled and straight-seam welded from ASTM B 171 annealed sheet, strip or plate.

B 608

This specification covers welded copper alloy pipe intended for use in brackish water or sea-water piping systems. Alaskan manufactures B 608 pipe from ASTM B 171 annealed sheet, strip or plate in the copper-nickel alloys C70600 (90-10) and C71500 (70-30). See pages 4 and 5 for sizes carried in stock.