



Designation: B 906 – 00

Standard Specification for General Requirements for Flat—Rolled Nickel and Nickel Alloys Plate, Sheet, and Strip¹

This standard is issued under the fixed designation B 906; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This specification covers a group of general requirements that, unless otherwise specified in the purchase order or in an individual specification, shall apply to rolled nickel and nickel alloy plate, sheet, and strip, under each of the following specifications issued by ASTM: Specifications B 127, B 162, B 168, B 333, B 409, B 424, B 434, B 435, B 443, B 463, B 536, B 575, B 582, B 599, B 620, B 625, B 670, B 688, B 709, B 718, B 755, B 814, B 818, B 872.

1.2 In case of any conflicting requirements, the requirements of the purchase order, the individual material specification, and this general specification shall prevail in the sequence named.

1.3 The values stated in inch-pound units are to be regarded as the standard. The values given in parentheses are for information only.

2. Referenced Documents

2.1 ASTM Standards:

- A 262 Practices for Detecting Susceptibility to Intergranular Attack in Austenitic Stainless Steels²
- B 688 Chromium-Nickel-Molybdenum Iron (UNS N08366 and UNS N08367) Plate, Sheet, and Strip³
- B 818 Cobalt-Chromium-Nickel-Molybdenum-Tungsten Alloy (UNS R31233) Plate, Sheet, and Strip³
- B 880 General Requirements for Chemical Check Analysis Limits for Nickel, Nickel Alloys and Cobalt Alloys³
- B 709 Iron-Nickel-Chromium-Molybdenum Alloy (UNS N08028) Plate, Sheet, and Strip³
- B 575 Low-Carbon Nickel-Molybdenum-Chromium, Low-Carbon Nickel-Chromium-Molybdenum, Low-Carbon Nickel-Chromium Molybdenum-Copper, and Low-Carbon Nickel-Chromium-Molybdenum-Tungsten Alloy Plate, Sheet, and Strip³
- B 168 Nickel-Chromium-Iron Alloys (UNS N06600, N06601, N06690, N06603, N06025, and N06045) and Nickel-Chromium-Cobalt-Molybdenum Alloy (UNS

- N07717) Plate, Sheet, and Strip³
- B 582 Nickel-Chromium-Iron-Molybdenum-Copper Alloy Plate, Sheet, and Strip³
- B 814 Nickel-Chromium-Iron-Molybdenum-Tungsten Alloy (UNS N06920) Plate, Sheet, and Strip³
- B 718 Nickel-Chromium-Molybdenum-Cobalt-Tungsten-Iron-Silicon Alloy (UNS N06333) Plate, Sheet, and Strip³
- B 443 Nickel-Chromium-Molybdenum-Columbium Alloy (UNS N06625) Plate, Sheet, and Strip³
- B 755 Nickel-Chromium-Molybdenum-Tungsten Alloys (UNS N06110) Plate, Sheet, and Strip³
- B 127 Nickel-Copper Alloy (UNS N04400) Plate, Sheet, and Strip³
- B 409 Nickel-Iron-Chromium Alloy Plate, Sheet, and Strip³
- B 620 Nickel-Iron-Chromium-Molybdenum Alloy (UNS N08320) Plate, Sheet, and Strip³
- B 599 Nickel-Iron-Chromium-Molybdenum-Columbium Stabilized Alloy (UNS N08700) Plate, Sheet, and Strip³
- B 424 Ni-Fe-Cr-Ni-Cu Alloy (UNS N08825 and UNS N08221) Plate, Sheet, and Strip³
- B 625 UNS N08904, UNS N08925, UNS N08031, UNS N08932, UNS N08926, and UNS R20033 Plate, Sheet and Strip³
- B 536 Nickel-Iron-Chromium-Silicon Alloys (UNS N08330 and N08332) Plate, Sheet, and Strip³
- B 333 Nickel-Molybdenum Alloy Plate, Sheet, and Strip³
- B 434 Nickel-Molybdenum-Chromium-Iron Alloy (UNS N10003) Plate, Sheet, and Strip³
- B 162 Nickel Plate, Sheet, and Strip³
- B 670 Precipitation-Hardening Nickel Alloy (UNS N07718) Plate, Sheet, and Strip for High-Temperature Service³
- B 872 Precipitation-Hardening Nickel-Iron-Chromium-Columbium (Nb)-Titanium-Aluminum Alloy (UNS N09908) Plate, Sheet and Strip³
- B 463 UNS N08020, UNS N08026, and UNS N08024 Alloy Plate, Sheet, and Strip³
- B 435 UNS N06002, N06230, UNS N12160, and UNS R30556 Plate, Sheet, and Strip³
- E 8 Test methods for Tension Testing of Metallic Materials⁴

¹ This specification is under the jurisdiction of ASTM Committee B02 on Nonferrous Metals and Alloys and is the direct responsibility of Subcommittee B02.07 on Refined Nickel and Cobalt and Their Alloys.

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² *Annual Book of ASTM Standards*, Vol 01.03.

³ *Annual Book of ASTM Standards*, Vol 02.04.

⁴ *Annual Book of ASTM Standards*, Vol 03.01.