



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

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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.

1.4 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to become familiar with all hazards including those identified in the appropriate Material Safety Data Sheet for this product/material as provided by the manufacturer, to establish appropriate safety and health practices, and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 ASTM Standards:

- A 262 Practices for Detecting Susceptibility to Intergranular Attack in Austenitic Stainless Steels²
- B 127 Specification for Nickel-Copper Alloy (UNS N04400) Plate, Sheet, and Strip³
- B 162 Specification for Nickel Plate, Sheet, and Strip³
- B 168 Specification for 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 333 Specification for Nickel-Molybdenum Alloy Plate, Sheet, and Strip³
- B 409 Specification for Nickel-Iron-Chromium Alloy Plate, Sheet, and Strip³
- B 424 Specification for Ni-Fe-Cr-Ni-Cu Alloy (UNS N08825 and UNS N08221) Plate, Sheet, and Strip³
- B 434 Specification for Nickel-Molybdenum-Chromium-Iron Alloy (UNS N10003) Plate, Sheet, and Strip³
- B 435 Specification for UNS N06002, N06230, UNS N12160, and UNS R30556 Plate, Sheet, and Strip³
- B 443 Specification for Nickel-Chromium-Molybdenum-Columbium Alloy (UNS N06625) and Nickel-Chromium-Molybdenum-Silicon Alloy (UNS N06219) Plate, Sheet, and Strip³
- B 463 Specification for UNS N08020, UNS N08026, and UNS N08024 Alloy Plate, Sheet, and Strip³
- B 536 Specification for Nickel-Iron-Chromium-Silicon Alloys (UNS N08330 and N08332) Plate, Sheet, and Strip³
- B 575 Specification for 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 582 Specification for Nickel-Chromium-Iron-Molybdenum-Copper Alloy Plate, Sheet, and Strip³
- B 599 Specification for Nickel-Iron-Chromium-Molybdenum-Columbium Stabilized Alloy (UNS N08700) Plate, Sheet, and Strip³
- B 620 Specification for Nickel-Iron-Chromium-Molybdenum Alloy (UNS N08320) Plate, Sheet, and Strip³
- B 625 Specification for UNS N08904, UNS N08925, UNS N08031, UNS N08932, UNS N08926, and UNS R20033 Plate, Sheet and Strip³
- B 670 Specification for Precipitation-Hardening Nickel Alloy (UNS N07718) Plate, Sheet, and Strip for High-Temperature Service³
- B 688 Specification for Chromium-Nickel-Molybdenum Iron (UNS N08366 and UNS N08367) Plate, Sheet, and Strip³

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.