



Designation: B 546 – 9804

Standard Specification for Electric Fusion-Welded Ni-Cr-Co-Mo Alloy (UNS N06617), Ni-Fe-Cr-Si Alloys (UNS N08330 and UNS N08332), Ni-Cr- Fe-Al Alloy (UNS N06603), Ni-Cr-Fe Alloy (UNS N06025), and Ni-Cr-Fe-Si Alloy (UNS N06045) Pipe¹

This standard is issued under the fixed designation B 546; 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.

This standard has been approved for use by agencies of the Department of Defense.

1. Scope

1.1 This specification covers electric fusion-welded nickel-chromium-cobalt-molybdenum alloy UNS N06617, nickel-iron-chromium-silicon alloys UNS N08330 and UNS N08332, Ni-Cr-Fe-Al Alloy (UNS N06603), Ni-Cr-Fe Alloy UNS N06025, and Ni-Cr-Fe-Si Alloy UNS N06045 pipe intended for heat resisting applications and general corrosive service.

1.2 This specification covers pipe in sizes 3 in. (76.2 mm) nominal diameter and larger and possessing a minimum wall thickness of 0.083 in. (2.11 mm).

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.*

¹ This specification is under the jurisdiction of ASTM Committee B-2 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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