



AMERICAN PETROLEUM INSTITUTE

API Standard 6ACRA

Age-hardened Nickel-based Alloys for Oil and Gas Drilling and Production Equipment

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This document provides requirements for age-hardened nickel-base alloys that are intended to supplement the existing requirements of API 6A. For downhole applications refer to API 5CRA.

These additional requirements include detailed process control requirements and detailed testing requirements. The purpose of these additional requirements is to ensure that the age-hardened nickel-base alloys used in the manufacture of API 6A pressure-containing and pressure-controlling components are not embrittled by the presence of an excessive level of deleterious phases and meet the minimum metallurgical quality requirements.

This standard is intended to apply to pressure-containing and pressure-controlling components as defined in API 6A. Requirements of this standard may be applied by voluntary conformance by a manufacturer, normative reference in API 6A or other product specification(s), or by contractual agreement.

This document expands the scope of API 6A718. With its issuance, it replaces API 6A718, 2nd Edition in its entirety.

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