



Designation: B 392 – 9903

Standard Specification for Niobium and Niobium Alloy Bar, Rod, and Wire¹

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1. Scope

1.1 This specification covers four grades of wrought niobium and niobium alloy bar, rod, and wire as follows:

NOTE 1—Committee B-10 has adopted “niobium” as the designation for Element No. 41, formerly named “columbium.”

1.1.1 R04200-Type 1— Reactor grade unalloyed niobium,

1.1.2 R04210-Type 2— Commercial grade unalloyed niobium,

1.1.3 R04251-Type 3— Reactor grade niobium alloy containing 1 % zirconium, and

1.1.4 R04261-Type 4— Commercial grade niobium alloy containing 1 % zirconium.

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

1.3 *The following precautionary caveat pertains only to the test methods portion of this specification. 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 establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 ASTM Standards:

B 391 Specification for Niobium and Niobium Alloy Ingots²

¹ This specification is under the jurisdiction of ASTM Committee B-10 on Reactive and Refractory Metals and Alloys and is the direct responsibility of Subcommittee B10.03 on Niobium and Tantalum.

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