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Standard Specification for
HIGH-STRENGTH STRUCTURAL RIVET STEEL¹



CANCELLED
use A 502

ASTM Designation: A 195 - 59

ADOPTED, 1957; REVISED, 1959.²

This Standard of the American Society for Testing Materials is issued under the fixed designation A 195; the final number indicates the year of original adoption as standard or, in the case of revision, the year of last revision.

Scope

1. This specification covers a rivet steel which, with proper riveting technique, is suitable for use with structural silicon steel, as prescribed in the Specification for Structural Silicon Steel (ASTM Designation: A 94),³ and equivalent steels.

General Requirements for Delivery

2. Material furnished under this specification shall conform to the applicable requirements of the current edition of the Specification for General Requirements for Delivery of Rolled Steel Plates, Shapes, Sheet Piling, and Bars for Structural Use (ASTM Designation: A 6).³

Process

3. The steel shall be made by either or both of the following processes: open-hearth or electric-furnace.

Annealing

4. Bars to be manufactured into rivets by the cold-heading process shall first be annealed by heating to 1450 F (788 C) and cooling slowly in the furnace or in still air. Bars to be manufactured into rivets by the hot-heading process need not be annealed.

Chemical Composition

5. (a) When subjected to the ladle and check analyses, respectively, required by the provisions of Specification A 6, the steel shall conform to the requirements as to chemical composition prescribed in Table I.

(b) If it be desired to obtain the specified mechanical properties by the addition of elements not enumerated in Paragraph (a), the chemical composition shall be agreed upon between the manufacturer and the purchaser; and all elements

¹ Under the standardization procedure of the Society, this specification is under the jurisdiction of the ASTM Committee A-1 on Steel.

² Prior to its present publication as standard, this specification was published as tentative from 1936 to 1941, being revised in 1939. It was adopted and published as standard from 1941 to 1949, being revised and reverted to tentative in 1949. The specification was published as tentative from 1949 to 1957, being revised in 1950 and 1952.

³ 1958 Book of ASTM Standards, Part 1.