

**MIL-S-43A****AMENDMENT 2**  
**30 August 1952****SUPERSEDING**  
**AMENDMENT 1**  
**15 January 1952****MILITARY SPECIFICATION**  
**STEEL BARS FOR PROJECTILE STOCK**

*This amendment forms a part of Military Specification MIL-S-43A, 31 July 1951, and has been approved by the Departments of the Army, Navy, and the Air Force.*

Page 2, Table III: Delete and substitute:

**TABLE III.—Mechanical properties.**

| Diameter (Inches)     | Tensile strength maximum | Yield point minimum | Elongation in 4 x diameter minimum |
|-----------------------|--------------------------|---------------------|------------------------------------|
|                       | <i>P. s. i.</i>          | <i>P. s. i.</i>     | <i>Percent</i>                     |
| 1.25 and smaller..... | 118, 000                 | 75, 000             | 15                                 |
| Over 1.25 to 2.....   | 118, 000                 | 70, 000             | 15                                 |

Page 4, paragraph 4.4.3: Delete and substitute:

**4.4.3 Tension test methods.**—Tension tests shall be conducted in accordance with Specification QQ-M-151. Yield point shall be determined by the divider method.”

Page 4, paragraph 4.6.4.1—Delete and substitute:

**4.6.4.1 Billets.**—Specimens for macroscopic examination shall consist of transverse slices not less than one-fourth inch thick representing the full cross-section of the billet. At least one cross-sectional surface of the specimen shall be machined, sawed, or ground to a suitable smooth flat surface and etched to develop the structure completely. Billets shall be considered unsound when their representative specimens show any defect in excess of standards furnished or approved by the purchasing agency.

Custodians:

Army—Ordnance Corps.

Navy—Bureau of Ordnance.