



Designation: A 910/A 910M – 949

Standard Specification for Uncoated, Weldless, 2- and 3-Wire Steel Strand for Prestressed Concrete¹

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1. Scope

1.1 This specification covers two types and two grades of 2- and 3-wire, uncoated steel strand for use in pretensioned and posttensioned prestressed concrete construction. The two types of strand are low-relaxation and stress-relieved (normal-relaxation). Low-relaxation shall be regarded as the standard type. Stress-relieved (normal-relaxation) strand will not be furnished unless specifically ordered, or by arrangement between purchaser and supplier. The two grades are 1725 (250) and 1860 (270). Grades 250 and 270 have minimum tensile strengths of 250 000 psi (1725 MPa) 1725 MPa (250 ksi) and 270 000 psi (1860 MPa) 1860 MPa (270 ksi) respectively, based on the nominal area of the strand.

1.2 The values stated in either inch-pound units or SI units are to be regarded as the standard. ~~The SI~~ Within the text, the inch-pound units given are shown in parentheses. The values stated in each system are not exact equivalents; therefore, each system must be used independently of the other. Combining values from the two systems may result in nonconformance with the specification.

2. Referenced Documents

2.1 ASTM Standards:

A 370 Test Methods and Definitions for Mechanical Testing of Steel Products²

¹ This specification is under the jurisdiction of ASTM Committee A-1 on Steel, Stainless Steel, and Related Alloys and is the direct responsibility of Subcommittee A01.05 on Steel Reinforcement.

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