

Standard Specification for Live Line and Measuring Telescoping Tools¹

This standard is issued under the fixed designation F 1826; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This specification covers mechanical and electrical testing and acceptance criteria for telescoping live line tools.

1.1.1 A tool designed only for use as a measuring device need not comply with mechanical strength requirements of this specification.

1.2 The use and maintenance of this equipment is beyond the scope of this specification.

1.3 This specification does not cover multiple section or extendable section clampsticks.

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

1.5 The following safety hazards caveat pertains to Section 9 only. *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:*

D 149 Test Method for Dielectric Breakdown Voltage and Dielectric Strength of Solid Electrical Insulating Materials at Commercial Power Frequencies²

F 819 Definitions of Terms Relating to Electrical Protective Equipment for Workers³

3. Terminology

3.1 *Definitions*— Terminology used in this specification is in accordance with Definitions F 819.

3.2 *Definitions of Terms Specific to This Standard:*

3.2.1 *acceptance test, n*—one made at the option of the purchaser to verify that a product meets design criteria.

3.2.2 *design test, n*—one made on a sample treated as representative of an industrial product. These tests generally will not be repeated in quantity production.

¹ This specification is under the jurisdiction of ASTM Committee F18 on Electrical Protective Equipment for Workers and is the direct responsibility of Subcommittee F18.35 on Tools and Equipment.

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² *Annual Book of ASTM Standards*, Vol 10.01.

³ *Annual Book of ASTM Standards*, Vol 10.03.

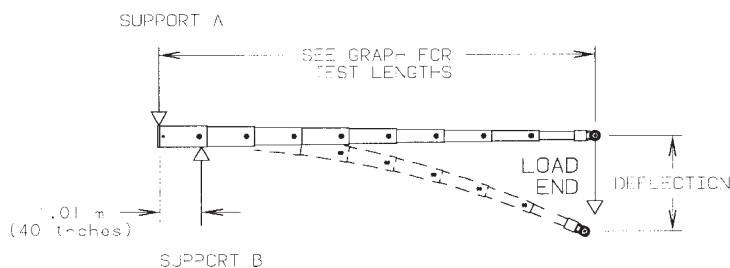


FIG. 1 Horizontal Test Set-Up

3.2.3 *dimensional check, n*—measurements made to verify that a product complies with the dimension stated by the manufacturer.

3.2.4 *hydrophobic, adj*—lacking affinity for water.

3.2.5 *routine test, n*—a type of test made regularly on production material.

3.2.6 *telescoping live line tool, n*—an extendable multiple section FRP tool designed to carry an attachment to perform mechanical tasks.

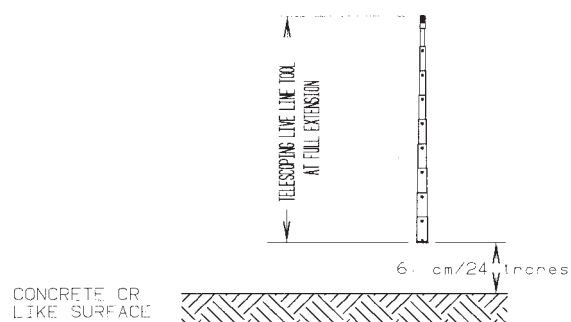


FIG. 2 Position of Stick Prior to Release for Free Fall Test

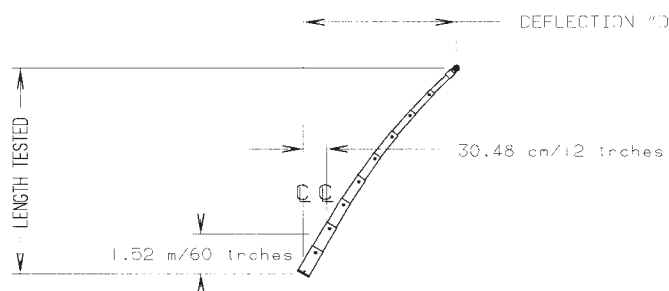


FIG. 3 Block Edge of Telescoping Stick to Obtain Correct 30.48 cm (12 in.) Centerline to Centerline Measurement