



Designation: **E 529 – 94 (Reapproved 1998)^{€1} 529 – 04**

An American National Standard

Standard Guide for Conducting Flexural Tests on Beams and Girders for Building Construction¹

This standard is issued under the fixed designation E 529; 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 (€) indicates an editorial change since the last revision or reapproval.

This standard has been approved for use by agencies of the Department of Defense.

^{€1} NOTE—Keywords were added editorially in September 1998.

1. Scope

1.1 This guide covers the flexural testing of beams and girders under simulated service conditions to determine their structural performance characteristics. Methods following this guide are intended primarily for constructions that may not conform with the relatively simple assumptions upon which well-known flexural theories are based. In some cases, they are also suitable for determining the structural adequacy of the design, materials, connections, and fabrication techniques. The methods are not intended for use in routine quality control tests.

1.2 *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.* For specific precautionary statement, see 6.7.1.

2. Referenced Document

2.1 ~~ASTM Standards:~~

¹ This guide is under the jurisdiction of ASTM Committee ~~E-6~~ E06 on Performance of Building Constructions and is the direct responsibility of Subcommittee E06.11 on ~~Horizontal, Vertical, Horizontal~~ and Vertical Structures/Structural Performance of Completed Structures .

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