

FOREWORD

This standard sets forth a standard test procedure for determining the tensile strength for all types of quick operating panel fasteners at room temperature.

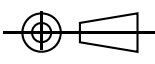
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THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MIL-STD-1312-23.
DESIGNATION FOR THIS TEST METHOD REMAINS MIL-STD-1312-23.

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		NATIONAL AEROSPACE STANDARDS COMMITTEE	2
PROCUREMENT SPECIFICATION	NONE	TITLE FASTENER TEST METHODS METHOD 23 TENSILE STRENGTH OF PANEL FASTENERS	CLASSIFICATION STANDARD PRACTICE
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1. SCOPE

- 1.1 Applicability. This method covers a procedure for testing all types of Quick Operating Panel Fasteners in tension at room temperature. This procedure is intended to define the test required to determine the tensile strength of the fastener itself, not the strength of the fastener in any sheet combination.

2. REFERENCED DOCUMENTS

2.1 Government documents

- 2.1.1 Specifications, standards and handbooks. Unless otherwise specified, the following specifications, standards and handbooks of the issue listed in the current DLA Document Services ASSIST Quicksearch site form a part of this standard to the extent specified herein.

②

STANDARDS

Military

~~MIL-STD-45662~~ — Calibration System Requirements

- ② Copies can be obtained from the Department of Defense DLA Document Services' ASSIST Quicksearch site.
<http://quicksearch.dla.mil>

- 2.2 Other publications. The following document(s) forms a part of this specification to the extent specified herein. ②

ASTM International

ASTM E4

Standard Practices for Force Verification of Testing Machines

ASTM E83

Standard Practice for Verification and Classification of Extensometer Systems

Copies can be obtained from ASTM International, 100 Barr Harbor Drive, PO Box C700, West Conshohocken, PA 19428-2959. www.astm.org

NCSL International

NCSL Z540.3

Requirements for the Calibration of Measuring and Test Equipment

Copies can be obtained from NCSL International, 2995 Wilderness Place, Suite 107, Boulder, CO 80301.
www.ncsli.org

3. DEFINITIONS

Not applicable.

4. GENERAL REQUIREMENTS

4.1 Test apparatus

- 4.1.1 Testing machine. The testing machine shall be capable of applying a tensile load at a controllable rate. The calibration system for the machine shall conform to the requirements of ~~MIL-STD-45662~~ NCSL Z540.3. Its accuracy shall be verified every 12 months by a method complying with ASTM E4, using a calibration device which shall have been calibrated by the National Bureau of Standards not more than 2 years prior to its use. The yield loads, ultimate loads and structural failure loads of the fasteners tested shall be within the loading range of the testing machine as defined in ASTM E4.

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