

FOREWORD:

This standard sets forth a standard test procedure to determine double shear strength, at elevated temperatures, for all types of structural fasteners.

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FIGURE

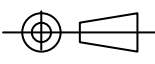
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① COMPLETELY REVISED

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MIL-STD-1312-28.
DESIGNATION FOR THIS TEST METHOD REMAINS MIL-STD-1312-28.

THIRD ANGLE PROJECTION		CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 1
PROCUREMENT SPECIFICATION NONE	TITLE FASTENER TEST METHODS METHOD 28 ELEVATED TEMPERATURE DOUBLE SHEAR	CLASSIFICATION STANDARD PRACTICE NAS 1312-28	SHEET 1 OF 5

1. SCOPE

1.1 **Applicability.** This method outlines a standard procedure for testing all types of structural fasteners in double shear at elevated temperatures. This procedure is intended to define the test required to determine the double shear strength of the fastener itself, not the strength of the fastener in any material combinations.

1.2 For purpose of this test method, elevated temperatures shall be in the following classes:

Class	Temperature Range
I	250 °F thru 700 °F
II	701 °F thru 1,200 °F
III	1,201 °F thru 1,800 °F

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 Department of Defense Index of Specifications and Standards (DoDISS) and the supplement thereto (if applicable), form a part of this standard to the extent specified herein.

Military

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

Copies can be obtained from the Department of Defense Single Stock Point (DODSSP). <http://dodssp.daps.dla.mil>

2.2 **Other publications.** The following document(s) forms a part of this specification to the extent specified herein. The issues of the documents which are indicated as DOD adopted shall be the issue in the current DoDISS and the supplement thereto, if applicable.

ASTM International

ASTM E4 Load Verification of Testing Machines
ASTM (Proposed) Preparation of Thermocouple Measuring Junctions

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

ASME

ASME B46.1 Surface Texture (Surface Roughness, Waviness and Lay)

Copies can be obtained from ASME, Three Park Ave., New York, NY 10016-5990. www.asme.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.

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REVISION
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NAS 1012-28
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