

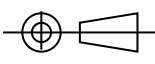
FOREWORD

This standard sets forth a standard test procedure to determine the static strength of sheet metal lap shear joints fastened with quick-release structural panel fasteners.

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THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MIL-STD-1312-26A.
DESIGNATION FOR THIS TEST METHOD REMAINS MIL-STD-1312-26.

THIRD ANGLE PROJECTION		CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 2
PROCUREMENT SPECIFICATION NONE		TITLE FASTENER TEST METHODS METHOD 26 STRUCTURAL PANEL FASTENER LAP JOINT SHEAR	CLASSIFICATION STANDARD PRACTICE NAS 1312-26 SHEET 1 OF 8

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1. SCOPE

1.1 **Applicability.** This method outlines a standard procedure for determining the room temperature static strength of lap shear joints attached with quick-release structural panel fasteners. The significant strength properties include the ultimate strength and the yield strength of the joint. The data is to be used to establish joint allowable loads.

1.1.1 This test method applies to sheet metal lap joints fastened with quick-release structural panel fasteners.

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.

STANDARDS

Military

MIL-STD-45662 — Calibration System Requirements

② Copies can be obtained from DLA Document Services. <https://quicksearch.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	Standard Practices for Force Verification of Testing Machines
ASTM E8/E8M	Tension Testing of Metallic Materials
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

Battelle Memorial Institute (BMI)

MMPDS Metallic Materials Properties Development and Standardization

Copies can be obtained from BMI, 505 King Avenue, Columbus, OH 43201. <http://projects.battelle.org/mmpds/>

3. DEFINITIONS

3.1 Joint ultimate shear strength. The ultimate strength of a joint is the highest load developed by the joint coincident with or before the failure of the fastener, parent sheet material, or a combination of both.

3.2 Joint yield shear strength. Yield strength of a joint is the load relative to a specified value of permanent set across the joint. The yield shall be determined from the load deflection curve by secondary Modulus Method as illustrated in Figure 1 using an offset of .04 inches of the nominal stud diameter.

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