

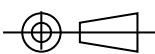
FOREWORD

This standard sets forth a standard test method to simulate shearing action on a fastener to determine its shear withstanding capabilities.

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THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MIL-STD-1312-4.
DESIGNATION FOR THIS TEST METHOD REMAINS MIL-STD-1312-4.

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| PROCUREMENT SPECIFICATION NONE | TITLE FASTENER TEST METHODS METHOD 4 LAP JOINT SHEAR | CLASSIFICATION STANDARD PRACTICE NASM1312-4 SHEET 1 OF 12 |

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1. SCOPE

1.1 Applicability. This test method outlines a standard procedure for determining the room temperature strength properties of mechanically fastened sheet metal lap joints statically loaded to produce shear on the fastener. The significant strength properties include the ultimate strength and the yield strength of the joint.

1.1.1 This test method applies to sheet metal lap joints fastened with rivets, bolts, screws, or comparable fastening devices.

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.

HANDBOOKS

Federal Aviation Administration

MMPDS Metallic Materials Properties Development and Standardization

(Copies of specifications, standards, handbooks, drawings and publications required by contractors in connection with specific acquisition functions should be obtained from the contracting activity or as directed by the contracting officer.)

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 Force Verification of Testing Machines
ASTM E8/E8M Tension Testing of Metallic Materials
ASTM E83 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 USA www.astm.org

Aerospace Industries Association

NAS618 Fastener, Recommended Shank, Hole and Head to Shank Fillet Radius, Limits for

Copies can be obtained from the Aerospace Industries Association, 1000 Wilson Blvd., Suite 1700, Arlington, VA 22209 www.aia-aerospace.org

NCSL International

② NCSL Z540.1 ~~Laboratories, Calibration, and Measuring And Test Equipment~~
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

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