

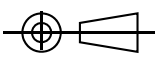
## FOREWORD

This standard sets forth a standard test procedure for determining the torque-out capabilities of receptacle assemblies of structural panel fasteners.

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THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MIL-STD-1312-24.  
DESIGNATION FOR THIS TEST METHOD REMAINS MIL-STD-1312-24.

|                                          |                                                                                                |                                                           |                      |
|------------------------------------------|------------------------------------------------------------------------------------------------|-----------------------------------------------------------|----------------------|
| THIRD<br>ANGLE<br>PROJECTION             |             | CUSTODIAN<br>NATIONAL AEROSPACE STANDARDS COMMITTEE       | REVISION<br><b>2</b> |
| PROCUREMENT<br>SPECIFICATION<br><br>NONE | TITLE<br><b>FASTENER TEST METHODS<br/>METHOD 24<br/>RECEPTACLE TORQUE-OUT, PANEL FASTENERS</b> | CLASSIFICATION<br>STANDARD PRACTICE<br><b>NAS 1312-24</b> | SHEET 1 OF 3         |

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## 1. SCOPE

### 1.1 Applicability

This test method covers the procedure and apparatus required for testing the torque-out capability of receptacle assembly of structural panel fasteners.

## 2. REFERENCED DOCUMENTS

The following documents form 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.

### Aerospace Industries Association

NASM20426 Rivet, Solid, Countersunk 100 Degrees, Precision Head, Aluminum and Aluminum Alloy

Copies can be obtained from the Aerospace Industries Association, 1000 Wilson Blvd., Suite 1700, Arlington, VA 22209. [www.aia-aerospace.org](http://www.aia-aerospace.org)

### ASME

ASME B107.300 Torque Instruments

- ② Copies can be obtained from ASME, Two Park Ave., New York, NY 10016-5990. [www.asme.org](http://www.asme.org)

## 3. DEFINITIONS

Not applicable.

## 4. GENERAL REQUIREMENTS

### 4.1 Test apparatus

#### 4.1.1 Torque-out

Torque applied to the receptacle should be measured with a torque indicating wrench calibrated for accuracy within the limits specified by ASME B107.300. The wrench scale should be selected so that the anticipated loading is within the middle of the scale.

## 5. DETAIL REQUIREMENTS

### 5.1 Test procedure

#### 5.1.1 Torque-out test

Unless otherwise specified, mount receptacle assembly on rigid test plate using MS20426AD rivets. Apply torque to the receptacle by means of a stud sufficiently long to avoid any clamping loading. Use torque measuring device to record test load in a clockwise direction. When subjected to required minimum values, there shall be no failure or permanent deformation visible to the unaided eye to any of the receptacle components. Failure of the attaching rivets or other specified fastener is not to be interpreted as a failure of the receptacle.

REVISION

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