SAE International

SURFACE VEHICLE STANDARD

SAE J482 APR2013

Issued 1924-07
Reaffirmed 2013-04

Superseding J482 APR2006

Hexagon High Nuts

RATIONALE

J482 has been reaffirmed to comply with the SAE five-year review policy.

1. Scope

Included herein are the detailed general and dimensional specifications applicable to high hex nuts. All general specifications not shown here shall conform with those applicable to hex thick nuts and hex thick slotted nuts appearing in ASME B18.2.2. High hex nuts are primarily intended for use in automotive and other ground-based vehicles and industrial equipment where a long length of hexagon is required for wrenching purposes.

2. References

2.1 Applicable Publication

The following publication forms a part of this specification to the extent specified herein.

2.1.1 ASME PUBLICATIONS

Available from the ASME, 22 Law Drive, PO Box 2900, Fairfield, NJ 07007-2900, Tel: 973-882-1170, www.asme.org.

ASME B18.2.2—Square and Hex Nuts—Inch Series
ASME B1.1 Unified Inch Screw Threads (UN and UNR Thread Form)

TO PLACE A DOCUMENT ORDER: **Tel: 877-606-7323 (inside USA and Canada)**
Tel: +1 724-776-4970 (outside USA)
Fax: 724-776-0790
Email: CustomerService@sae.org
SAE WEB ADDRESS: http://www.sae.org

3. General Specifications

3.1 Threads

3.1.1 FORM AND TOLERANCE

Threads shall conform to ASME B1.1 unified inch Standard, Class 2B.

3.1.2 SERIES

Threads shall be coarse (UNC) or fine (UNF) thread series.

3.1.3 COUNTERSINK

Tapped holes shall be countersunk (unless counterbore option is specified) on the bearing face or faces. The maximum countersink diameter shall be the thread basic (nominal) diameter plus 0.025 in for 3/8 size or smaller, and 1.08 times the basic major diameter for larger sizes. No part of the threaded portion shall extend beyond the bearing surface.

4. Notes

4.1 Marginal Indicia

The change bar (l) located in the left margin is for the convenience of the user in locating areas where technical revisions have been made to the previous issue of the report. An (R) symbol to the left of the document title indicates a complete revision of the report.

PREPARED BY THE SAE FASTENERS COMMITTEE

REAFFIRMED BY THE SAE FASTENERS COMMITTEE