



Preferred Parts

Number:	E-001
Date Issued:	A-JUN06

ELECTRONIC DOCUMENT IN THE VIEWER IS CONTROLLED. PRINTED COPY IS AN UNCONTROLLED DOCUMENT.

HEX NUTS (Superseded)

This standard has been superseded by CNH Standard Parts, STPE110 (87366946), Hexagon Nuts - Inch Fine and Coarse Threads Grades 2, 5 and 8 - Non-Preferred.

The controlled versions of CNH specifications and standards are published on the CNH Intranet site.

The documents are also available on the CNH electronic viewing system (e.g. eViewer). Suppliers are able to access these documents on CSCN (CNH Supplier Communications Network).

The superseded standard remains available for viewing following this page if needed. For information about superseded standards refer to ENS0050 (87523699).

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GENERAL SPECIFICATIONS

GENERAL: This specification conforms with American National Standard B-18.2.2. Sizes from 1/4 through 1-1/2 inch in the coarse thread series and from 1/4 through 1 inch in the fine thread series are unified dimensionally with British and Canadian Standards with the exception that the 1-14 UNS has been retain as standard.

PREFERRED PARTS POLICY: Preferred parts are so designated to reduce variety of parts and assure maximum availability, interchangeability and cost savings in volume buying.

Threads: Coarse
Sizes: 1/4, 5/16, 3/8, 1/2, 5/8, 3/4, 1, 1-1/4, and 1-1/2
Material and Finish: Grade 5 Zinc with Chromate (ZND)
Grade 8 Phosphate Coating (PHC)

SERVICE PARTS SUBSTITUTION POLICY: In the event that engineering does not indicate a "Do not substitute" in engineering specifications, the following substitutions may be implemented in service.

Hex Nuts, Jam, Thick and Slotted

To Be Replaced

Grade 2 material with plain (PLN) or zinc (ZND) finish

Grade 5 material with plain (PLN) or cadmium (CAD) finish

Grade 5 material with phosphate coating (PHC)

Grade 8 material with plain (PLN) finish

Service Replacement

Grade 5 material with zinc (ZND) finish

Grade 5 material with zinc with chromate (ZND) finish or Grade 8 material with phosphate coating (PHC) if Grade 5 (ZND) is not set up for service.

Grade 8 material with phosphate coating (PHC)

Grade 8 material with phosphate coating (PHC)

DIMENSIONS: All dimensions in this standard are in inches. All unspecified detail shall conform to ANSI B-18.2.2.

THREADS: Threads shall be Unified Series, Class 2B, in accordance with American National Standard ANSI B1.1.

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IDENTIFICATION: Hex nuts shall be marked for grade identification in accordance with SAE J995. Optional marking for grade 8 hex nuts may be six depressed dashes spaced 60° apart applied on the top face (not the washer face) of the nut in accordance with Military Standard MIL-B-857A, except dashes may not be raised. Slotted nuts are excluded from the above requirements.

MATERIAL: Steel nuts, grades 2, 5 or 8, shall conform to SAE J995.

Brass (BRS) SAE CA 360 or equivalent, hard temper.

Stainless Steel (SST), AISI Type 304. This is an 18-8 type which is a nonmagnetic general purpose stainless with excellent corrosion resistance. Stainless steel shall be passivated per Case Engineering Material Specification.

FINISH: As designated by part number, nuts shall be furnished plain, plated or coated in accordance with Case Engineering Materials Specification:

- Cadmium (CAD) on steel - MS 206
- Zinc with Chromate (ZND) on steel - MS 201
- Phosphate Coating (PHC) - MS 91
- Black Teflon (PTF) - MS 61
- Black Zinc (BZN) - MS 203

WORKMANSHIP: Nuts shall be free from burrs, seams, laps, loose scale, irregular surfaces and any defects affecting their serviceability.

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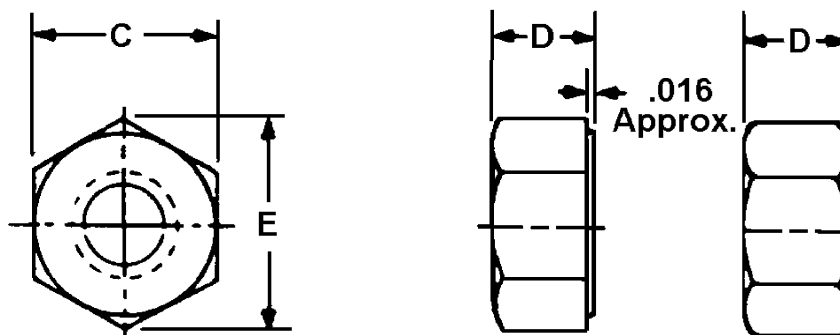


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HEX NUTS (Superseded)



All dimensions are in inches

Nominal Size or Basic Major Diameter of Thread	C			E		D		
	Width Across Flats			Width Across Corners		Thickness Hex Nuts		
	Basic	Max	Min	Max	Min	Basic	Max	Min
1/4	7/16	.438	.428	.505	.488	7/32	.226	.212
5/16	1/2	.500	.489	.577	.557	17/64	.273	.258
3/8	9/16	.562	.551	.650	.628	21/64	.337	.320
* 7/16	11/16	.688	.675	.794	.768	3/8	.385	.365
1/2	3/4	.750	.736	.866	.840	7/16	.448	.427
** 9/16	7/8	.875	.861	1.010	.982	31/64	.496	.473
5/8	15/16	.938	.922	1.083	1.051	35/64	.559	.535
3/4	1- 1/8	1.125	1.088	1.299	1.240	41/64	.665	.617
* 7/8	1- 5/16	1.312	1.269	1.516	1.447	3/4	.776	.724
1	1- 1/2	1.500	1.450	1.732	1.653	55/64	.887	.831
*1-1/8	1-11/16	1.688	1.631	1.949	1.859	31/32	.999	.939
1-1/4	1- 7/8	1.875	1.812	2.165	2.066	1- 1/16	1.094	1.030
*1-3/8	2- 1/16	2.062	1.994	2.382	2.273	1-11/64	1.206	1.138
1-1/2	2- 1/4	2.250	2.175	2.598	2.480	1- 9/32	1.317	1.245

* Non-Preferred

** Not Preferred For New Design

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