J & E Supply & Fastener Co., Inc.
jandesupply.com

1903 SE 59th St · Oklahoma City, Oklahoma 73129 · 405-670-1234
1001 S 12th St · Duncan, Oklahoma 73533 · 580-255-2582

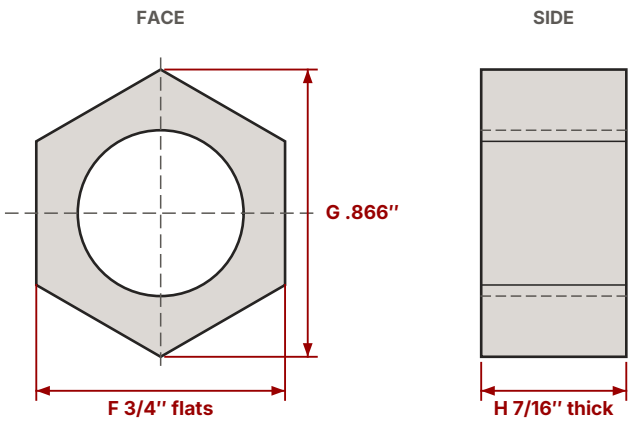
TECH DATA

1/2″-13 Hex Nut

Grade 2 · Steel · Zinc-plated

THE PART

Part number	**0HN0500CZ**
Type	**Hex nut (finished hex)**
Size	**1/2″-13 (fits a 1/2″ bolt)**
Thread	**13 per inch, coarse (UNC)**
Grade	**Grade 2**
Material	**Steel**
Finish	**Zinc-plated**



Drawn to scale for this size. F, G and H: ASME B18.2.2 basic / maximum. Not for gauging.

THREAD

13 threads per inch

Coarse (UNC)
Fits a 1/2″-13 bolt, stud or rod
Major diameter 0.500″

WRENCH / SOCKET

3/4″

Same wrench as a 1/2″ hex cap screw head.

GRADE

Grade 2

Proof load 12,750 lb
SAE J995: 90,000 psi × 0.1419 sq in stress area.

DIMENSIONS · ASME B18.2.2

F	Across flats (wrench)	3/4″ (.750 / .736)
G	Across corners	.866 / .840
H	Thickness	7/16″ (.448 / .427)
	Thread	1/2″-13 UNC

Letters match the drawing. Basic size, with (max / min) in inches.

WHICH NUT IS THIS? · 1/2″ NUTS

TYPE	ACROSS FLATS	THICKNESS
Standard hex	**3/4″**	**7/16″**
Heavy hex	7/8″	31/64″
Jam	3/4″	5/16″
Heavy jam	7/8″	19/64″

Measure across the flats and the thickness, and match the row. Same bolt size, four different nuts.

Information only, summarized from the published standards and makers' data on our reference pages at jandesupply.com (11/13/2026). Standard values, not a test of this lot — the current edition of the governing standard governs. J & E Supply makes no warranty of suitability for any use; for critical work, confirm against the standard and the maker's certifications and test your application. J & E Supply is an independent distributor.

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HOW TO MEASURE

A nut is sized by the bolt it fits: a ½″ nut goes on a ½″ bolt. The numbers below are the nut itself. Across flats is your wrench size; across corners is the room it needs to turn; thickness is how much thread it grips.

TIGHTENING TORQUE

Scan for our torque estimator, set to this size and grade.

It depends on finish and lube.

jandesupply.com/calc-torque.php

USE IT WITH

1/2″-13 SAE Grade 2 bolts

General-purpose, low-strength work. The nut must be at least as strong as the bolt.

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