



FINISH HEX NUTS

ZINC, GALVANIZED & STAINLESS STEEL

Finished Hex Nuts are six-sided internally threaded fasteners. Nuts are classified as finish hex nuts when the diameter is the nominal nut size, the nut thickness is 0.875 of diameter, and the width across the flats is 1.5 of diameter.



ZINC PLATED



HOT DIP GALVANIZED



STAINLESS STEEL TYPE 18-8

DIMENSIONAL DATA

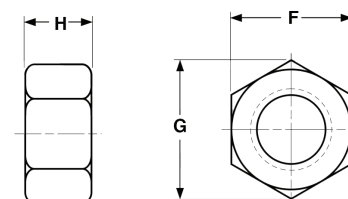


TABLE 1: DIMENSIONAL DATA OF FINISH HEX NUTS

NOMINAL OR BASIC MAJOR DIAMETER OF THREAD		FINISH HEX NUTS					ANSI/ASME B18.2.2		
		F			G		H		
		BODY DIAMETER			HEAD DIAMETER		HEAD HEIGHT		
		BASIC	MAX	MIN	MAX	MIN	BASIC	MAX	MIN
1/4	0.2500	7/16	0.438	0.428	0.505	0.488	7/32	0.226	0.212
5/16	0.3125	1/2	0.500	0.489	0.577	0.557	17/64	0.273	0.258
3/8	0.3750	9/16	0.562	0.551	0.650	0.628	21/64	0.337	0.320
7/16	0.4375	11/16	0.688	0.675	0.794	0.768	3/8	0.385	0.365
1/2	0.5000	3/4	0.750	0.736	0.866	0.840	7/16	0.448	0.427
9/16	0.5625	7/8	0.875	0.861	1.010	0.982	31/64	0.496	0.473
5/8	0.6250	15/16	0.938	0.922	1.083	1.051	35/64	0.559	0.535
3/4	0.7500	1-1/8	1.125	1.088	1.299	1.240	41/64	0.665	0.617
7/8	0.8750	1-5/16	1.312	1.269	1.516	1.447	3/4	0.776	0.724
1	1.0000	1-1/2	1.500	1.450	1.732	1.653	55/64	0.887	0.831
1-1/8	1.1250	1-11/16	1.688	1.631	1.949	1.859	31/32	0.999	0.939
1-1/4	1.2500	1-7/8	1.875	1.812	2.165	2.066	1-1/6	1.094	1.030
1-3/8	1.3750	2-1/16	2.062	1.994	2.382	2.273	1-11/64	1.206	1.138
1-1/2	1.5000	2-1/4	2.250	2.175	2.598	2.480	1-9/32	1.317	1.245
1-5/8	1.6250	2-7/16	2.438	2.356	2.815	2.686	1-25/64	1.429	1.353
1-3/4	1.7500	2-5/8	2.625	2.538	3.031	2.893	1-1/2	1.540	1.460
2	2.0000	3	3.000	2.900	3.464	3.306	1-23/32	1.763	1.675
2-1/4	2.2500	3-3/8	3.375	3.263	3.897	3.719	1-15/16	1.986	1.890
2-1/2	2.5000	3-3/4	3.750	3.625	4.330	4.133	2-5/32	2.209	2.105
2-3/4	2.7500	4-1/8	4.125	3.988	4.763	4.546	2-3/8	2.431	2.319
3	3.0000	4-1/2	4.500	4.350	5.196	4.959	2-19/32	2.654	2.534



FINISH HEX NUTS

ZINC, GALVANIZED & STAINLESS STEEL

DIMENSIONAL DATA

ZINC PLATED - GRADE 2

TABLE 2: MATERIAL DATA OF FINISH HEX NUTS ZINC

DESCRIPTION	A six-sided internally threaded fastener whose thickness is 0.875 D where D is the nominal nut size and 1.5 D is their width across the flats, made from low carbon steel.
APPLICATION/ADVANTAGES	The most versatile and widely used nut design. Grade 2 nuts are for use with any low carbon bolt or screw that is not head-treated, with a specified minimum tensile strength of 74,000 psi or less.
MATERIAL	Grade 2 nuts shall be made from a low carbon steel which conforms to the following chemical composition requirements -- Carbon: 0.47% maximum; Phosphorus: 0.12% maximum; Sulfur: 0.23% maximum.
HARDNESS	Rockwell B68 - C32
PROOF LOAD	Coarse Thread: 90,000 psi.; Fine Thread: 80,000 psi.

DIMENSIONAL DATA

STEEL HOT DIP GALVANIZED

TABLE 3: MATERIAL DATA OF FINISH HEX NUTS HOT DIP GALVANIZED

DESCRIPTION	A six-sided internally threaded fastener whose thickness is 0.875 D where D is the nominal nut size and 1.5 D is their width across the flats, made from low carbon steel with a galvanic zinc coating.
APPLICATION/ADVANTAGES	Designed for use with low carbon bolts and screws with a specified minimum tensile strength of 74,000 psi or less, which are subjected to moisture, salt and other such corrosive conditions
MATERIAL	Nuts shall be made from a low carbon steel which conforms to the following chemical composition requirements -- Carbon:0.47% maximum; Phosphorus: 0.12% maximum; Sulfur: 0.23% maximum.
HARDNESS	Rockwell B68 - C32
PROOF LOAD	Coarse Thread: 68,000 psi.; Fine Thread: 60,000 psi.

DIMENSIONAL DATA

STAINLESS STEEL 18-8 & 316

TABLE 4: MATERIAL DATA OF FINISH HEX NUTS STAINLESS STEEL

DESCRIPTION	A six-sided internally threaded fastener whose thickness is 0.875 D where D is the nominal nut size and 1.5 D is their width across the flats, made from austenitic alloys as described below.
APPLICATION/ADVANTAGES	Designed for use with stainless steel bolts and screws with a specified minimum tensile strength equal to or less than the specified proof stress of the mating nut. Both types of stainless are corrosion resistant with 316 stainless having greater such resistance as well as superior strength at raised temperatures.
MATERIAL	18-8: Nuts shall be made from one of the following austenitic alloys: 303, 303Se, 304, XM7, all of which are characterized as having a chromium content of 18% and nickel content of 8-10%. 316: Nuts shall be made from 316 stainless steel, an austenitic alloy which differs from 18-8 by its molybdenum content (2-3%) and a higher nickel content (10-14%).
HARDNESS	1/4 through 5/8": Rockwell B95 - C32; 3/4 through 1": Rockwell B80-C32
PROOF LOAD	1/4 through 5/8": 100,000 psi; Fine-thread: 85,000 psi



FINISH HEX NUTS
ZINC, GALVANIZED & STAINLESS STEEL

ORDERING INFORMATION

ZINC PLATED - GRADE 2

TABLE 5: ORDERING INFORMATION OF FINISH HEX NUTS ZINC

PART #	SIZE	WAF*	HEIGHT	QUANTITY / BOX
2FHN1420	1/4-20	7/16	7/32	100 / Box
2FHN5618	5/16-18	1/2	17/64	100 / Box
2FHN3816	3/8-16	9/16	21/64	100 / Box
2FHN7614	7/16-14	11/16	3/8	50 / Box
2FHN1213	1/2-13	3/4	7/16	50 / Box
2FHN5811	5/8-11	15/16	35/64	25 / Box
2FHN3410	3/4-10	1-1/8	41/64	20 / Box
2FHN7809	7/8-9	1-5/16	3/4	15 / Box
2FHN0108	1-8	1-1/2	55/64	10 / Box
BULK				QUANTITY / CARTON
2FHN3816-B	3/8-16	9/16	21/64	3000 / Carton

* Width Across Flats

ORDERING INFORMATION

STEEL HOT DIP GALVANIZED

TABLE 6: ORDERING INFORMATION OF FINISH HEX NUTS HOT DIP GALVANIZED

PART #	SIZE	WAF*	HEIGHT	QUANTITY / BOX
2FHNG1420	1/4-20	7/16	7/32	100 / Box
2FHNG5618	5/16-18	1/2	17/64	100 / Box
2FHNG3816	3/8-16	9/16	21/64	100 / Box
2FHNG1213	1/2-13	3/4	7/16	50 / Box
2FHNG5811	5/8-11	15/16	35/64	25 / Box
2FHNG3410	3/4-10	1-1/8	41/64	20 / Box
2FHNG7809	7/8-9	1-5/16	3/4	15 / Box
2FHNG0108	1-8	1-1/2	55/64	10 / Box

* Width Across Flats

Note: WAF and height are approximate due to the galvanizing coating.

**FINISH HEX NUTS**

ZINC, GALVANIZED & STAINLESS STEEL

ORDERING INFORMATION**STAINLESS STEEL 316****TABLE 7: ORDERING INFORMATION OF FINISH HEX NUTS 316 STAINLESS STEEL**

PART #	SIZE	WAF*	HEIGHT	QUANTITY / BOX
2FHNS43816	3/8-16	9/16	21/64	100 / Box
2FHNS41213	1/2-13	3/4	7/16	50 / Box
2FHNS45811	5/8-11	15/16	35/64	25 / Box

* Width Across Flats

ORDERING INFORMATION**STAINLESS STEEL 18-8****TABLE 8: ORDERING INFORMATION OF FINISH HEX NUTS 18-8 STAINLESS STEEL**

PART #	SIZE	WAF*	HEIGHT	QUANTITY / BOX
2FHNS21420	1/4-20	7/16	7/32	100 / Box
2FHNS25618	5/16-18	1/2	17/64	100 / Box
2FHNS23816	3/8-16	9/16	21/64	100 / Box
2FHNS21213	1/2-13	3/4	7/16	50 / Box
2FHNS25811	5/8-11	15/16	35/64	25 / Box
2FHNS23410	3/4-10	1-1/8	41/64	20 / Box
2FHNS20108	1-8	1-1/2	55/64	10 / Box

* Width Across Flats