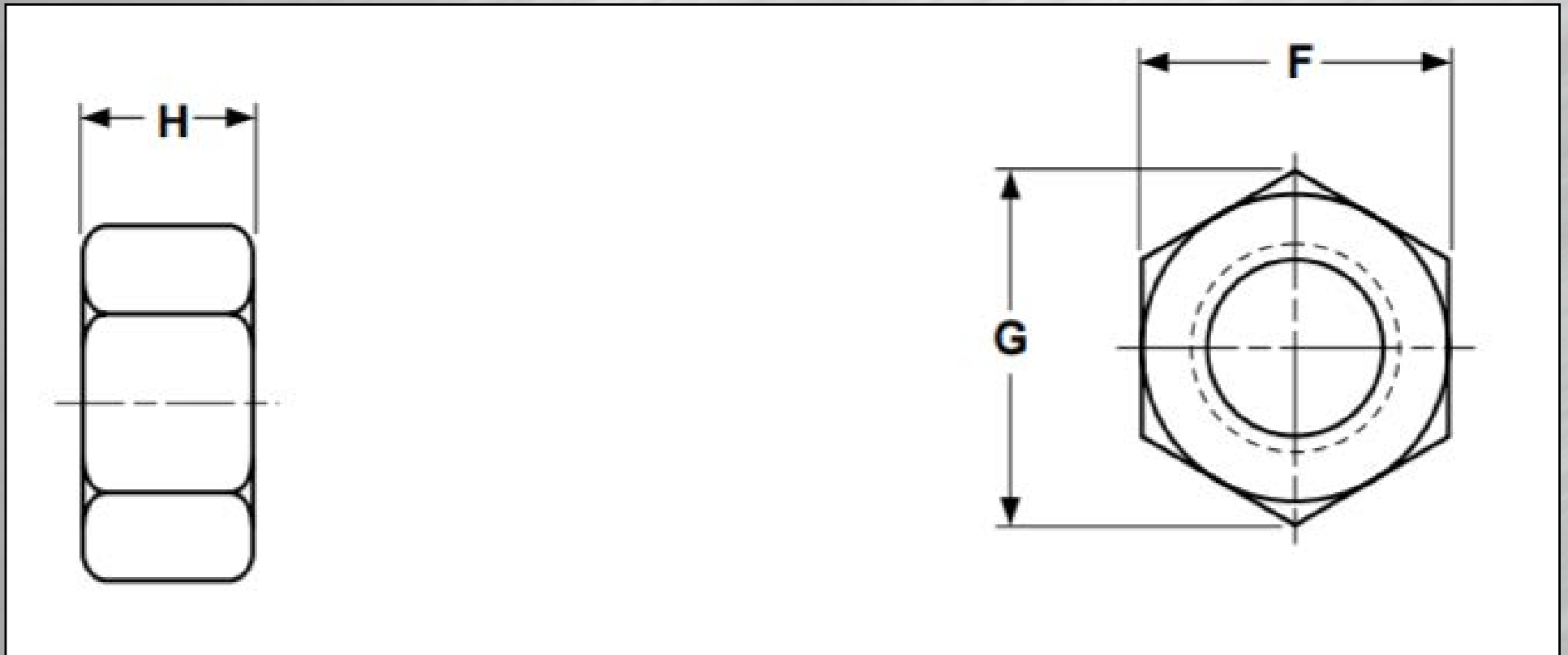




545 Basket Road • Webster, NY 14580
Toll Free • 800.691.0292 | Local • 585.265.1990 | Fax • 585.265.6678
sales@fastenersdirect.com
www.fastenersdirect.com

HEX NUTS - GRADE 2 ANSI / ASME B1.1





545 Basket Road • Webster, NY 14580
 Toll Free • 800.691.0292 | Local • 585.265.1990 | Fax • 585.265.6678
 sales@fastenersdirect.com
 www.fastenersdirect.com

HEX NUTS - GRADE 2 ANSI / ASME B1.1

Nominal or Basic Major Diameter of Thread	F Width Across Flats			G Width Across Corners		H Thickness of Hex Nuts			
	Basic	Max	Min	Max	Min	Basic	Max	Min	
	1/4	.2500	7/16	0.438	0.428	0.505	0.488	7/32	0.226
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	1.1010	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	1-1/16	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



545 Basket Road • Webster, NY 14580
 Toll Free • 800.691.0292 | Local • 585.265.1990 | Fax • 585.265.6678
 sales@fastenersdirect.com
 www.fastenersdirect.com

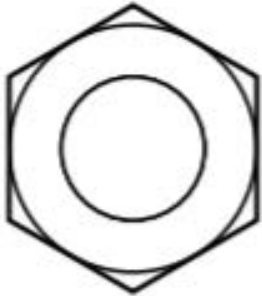
HEX NUTS - GRADE 2 ANSI / ASME B1.1

Nominal or Basic Major Diameter of Thread	F Width Across Flats			G Width Across Corners		H Thickness of Hex Nuts			
	Basic	Max	Min	Max	Min	Basic	Max	Min	
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	4.549	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

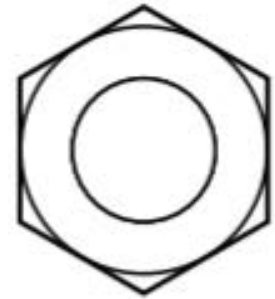


545 Basket Road • Webster, NY 14580
Toll Free • 800.691.0292 | Local • 585.265.1990 | Fax • 585.265.6678
sales@fastenersdirect.com
www.fastenersdirect.com

HEX NUTS - GRADE 2 ANSI / ASME B1.1



GRADE-2



Description	A six-sided internally threaded fastener whose thickness is $.875 D$ where D is the nominal nut size and $1.5D$ is their width across the flats, made from low carbon steel.
Applications / 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 heat-treated, with a specified minimum tensile strength of 74,000 psi or less.
Material	Grade 2 nuts shall be made from low carbon steel which conforms to the following chemical composition requirements - Carbon 0.47% maximum; Phosphorus 0.12% maximum; Sulfur 0.23% maximum.
Core Hardness	Rockwell B68 - C32



545 Basket Road • Webster, NY 14580
Toll Free • 800.691.0292 | Local • 585.265.1990 | Fax • 585.265.6678
sales@fastenersdirect.com
www.fastenersdirect.com

HEX NUTS - GRADE 2 ANSI / ASME B1.1

Steel, Hot-Dip Galvanized

Description	A six-sided internally threaded fastener whose thickness is $.875 D$ 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.
Applications / 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
Core Hardness	Rockwell B68 - C32
Proof Load	Coarse Thread: 68,000 psi; Fine Thread 60,000 psi