

HEX NUT UNC F594G STAINLESS STEEL

APPLICATION

Bremick® Hex Nuts UNC 316 Stainless Steel are designed for industrial and construction applications where ultimate corrosion superior performance is required

PRODUCT ATTRIBUTES

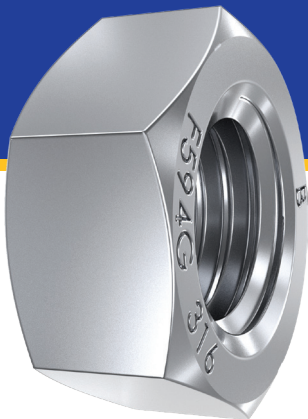
Material Class: 316 STAINLESS STEEL 2-CW1-F594G

Thread Form: Class 2B

Standard: Complies to ASME B18.2.2:2022

Mechanical Properties: Complies to ASTM F594:2024

Chemical Composition: Complies to ASTM F594:2024



MARKING



In some cases, the Bremick marking will be replaced by the mark of the original manufacturer

MECHANICAL PROPERTIES

ALLOY MECHANICAL PROPERTY MARKING	STRESS UNDER PROOF LOAD (ksi)	HARDNESS
		ROCKWELL
	MIN	RANGE
F594G	100	B95-C35

NOTE: Hex Nuts with a nominal diameter < 1/4 have no mechanical property requirements

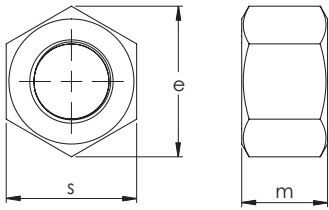
CHEMICAL COMPOSITION (%)

STAINLESS STEEL GRADE	C	Mn	P	S	Si	Ni	Cr	Mo
	MAX	MAX	MAX	MAX	MAX	RANGE	RANGE	RANGE
316	0.08	2.00	0.045	0.030	1.00	10.0-14.0	16.0-18.0	2.00-3.00

MATERIAL INFORMATION

STAINLESS STEEL 316		
DESCRIPTION	OVERVIEW	CORROSION RESISTANCE
316 is a Marine Grade SS – It contains 2-3% Molybdenum which provides highest possible corrosion protection than 304 Stainless steel.	Bremick® 316 Stainless Steel provides the ultimate level of protection and is recommended for external application and marine environments.	Ultimate

DIMENSIONAL DATA (inches)



DIAMETER (inches)	TPI	ACROSS FLATS (s)		ACROSS CORNERS (e)		NUT HEIGHT (m)	
	UNC	MIN	MAX	MAX	MAX	MIN	MAX
#10	24	0.362	0.375	0.413	0.433	0.117	0.130
1/4	20	0.428	0.438	0.488	0.505	0.212	0.226
5/16	18	0.489	0.500	0.557	0.577	0.258	0.273
3/8	16	0.551	0.563	0.628	0.650	0.320	0.337
1/2	13	0.736	0.750	0.840	0.866	0.427	0.448
5/8	11	0.922	0.938	1.051	1.083	0.535	0.559

Note: Dimensions for diameters < 1/4 are manufactured to ASME/ANSI B18.6.3

SOCKET OR SPANNER SIZE (inches)

BOLT DIAMETER	#10	1/4	5/16	3/8	1/2	5/8
SPANNER SIZE	3/8	7/16	1/2	9/16	3/4	15/16

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