

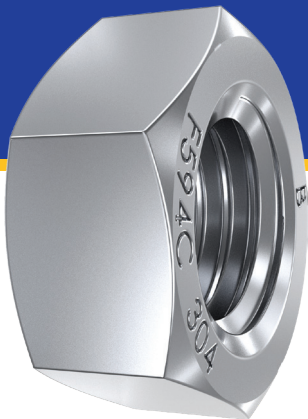
HEX NUT UNC F594C
STAINLESS STEEL

APPLICATION

Bremick® Hex Nuts UNC 304 Stainless Steel are designed for industrial and construction applications where extreme corrosion performance is required

PRODUCT ATTRIBUTES

Material Class:	304 STAINLESS STEEL 1-CW1-F594C
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
F594C	100	B95-C35

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

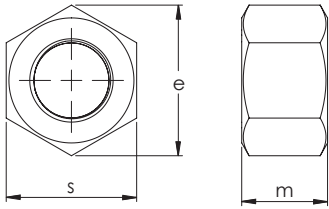
CHEMICAL COMPOSITION (%)

STAINLESS STEEL GRADE	C	Mn	P	S	Si	Cu	Ni	Cr
	MAX	MAX	MAX	MAX	MAX	MAX	RANGE	RANGE
304	0.08	2.00	0.045	0.030	1.00	1.00	8.0-10.5	18.0-20.0

MATERIAL INFORMATION

STAINLESS STEEL 304		
DESCRIPTION	OVERVIEW	CORROSION RESISTANCE
304 is the most commonly used stainless steel. It is an austenitic, offers excellent strength and corrosion resistance.	Bremick® 304 Stainless Steel provides an extreme level of protection and is recommended for wet external application. Bremick® 304 Stainless Steel is an austenitic stainless steel that offers all round performance.	Extreme

DIMENSIONAL DATA (inches)



DIAMETER (inches)	TPI	ACROSS FLATS (s)		ACROSS CORNERS (e)		NUT HEIGHT (m)	
	UNC	MIN	MAX	MAX	MAX	MIN	MAX
#8	32	0.332	0.344	0.378	0.397	0.117	0.130
#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	#8	#10	1/4	5/16	3/8	1/2	5/8
SPANNER SIZE	1/3	3/8	7/16	1/2	9/16	3/4	15/16

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