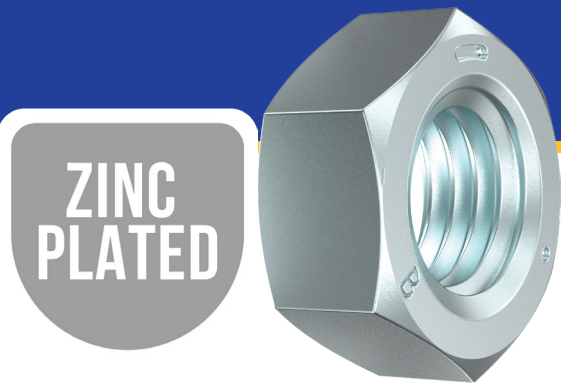


HEX NUT GRADE 5 UNF

APPLICATION

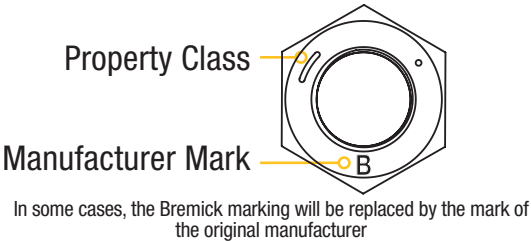
Bremick® Hex Nuts UNF Grade 5 are designed for industrial and construction applications where high tensile superior performance is required



PRODUCT ATTRIBUTES

Material Class:	Carbon Steel Grade 5
Thread Form:	Class 2B
Finish:	Zinc Plated
Standard:	Complies to AS/NZS 2465:1999
Mechanical Properties:	Complies to SAE J995:2017
Chemical Composition:	Complies to SAE J995:2017

MARKING



MECHANICAL PROPERTIES

DIAMETER (inches)		1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2
PROOF LOAD (lbf)	MIN	4000	6300	9550	13000	17450	22150	27900	40650	55500	72300	80450	100850	123800	148600
STRESS UNDER PROOF LOAD (psi)	MIN	109000										94000			
HARDNESS	ROCKWELL (HRC)	MAX	32												

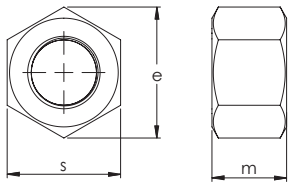
CHEMICAL COMPOSITION (%)

MATERIAL	C	Mn	P	S
	MAX	MAX	MAX	MAX
CARBON STEEL	0.55	0.30	0.05	0.15

FINISH INFORMATION

ZINC PLATED		
DESCRIPTION	OVERVIEW	CORROSION RESISTANCE
Zinc Plating is a process of depositing a thin layer of zinc onto the surface of a steel object through electroplating. The steel object is then passivated with a transparent conversion layer.	Bremick® Zinc Plated Coating provides a low level of corrosion protection and is recommended for dry internal application. Bremick® Zinc Plating complies with AS1789.	Low.

DIMENSIONAL DATA (inches)



DIAMETER	TPI	ACROSS FLATS (s)		ACROSS CORNERS (e)		NUT HEIGHT (m)	
	UNF	MIN	MAX	MIN	MAX	MIN	MAX
1/4	28	0.428	0.438	0.488	0.505	0.212	0.226
5/16	24	0.489	0.500	0.557	0.577	0.258	0.273
3/8	24	0.551	0.562	0.628	0.650	0.320	0.337
7/16	20	0.675	0.688	0.768	0.794	0.365	0.385
1/2	20	0.736	0.750	0.840	0.866	0.427	0.448
9/16	18	0.861	0.875	0.982	1.010	0.473	0.496
5/8	18	0.922	0.938	1.051	1.083	0.535	0.559
3/4	16	1.088	1.125	1.240	1.299	0.617	0.665
7/8	14	1.269	1.312	1.447	1.516	0.724	0.776
1	12	1.450	1.500	1.653	1.732	0.831	0.887
1 1/8	12	1.631	1.688	1.859	1.949	0.939	0.999
1 1/4	12	1.812	1.875	2.066	2.165	1.030	1.094
1 3/8	12	1.994	2.062	2.273	2.382	1.138	1.206
1 1/2	12	2.175	2.250	2.480	2.598	1.245	1.317

SOCKET OR SPANNER SIZE (inches)

BOLT DIAMETER	1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2
SPANNER SIZE	7/16	1/2	9/16	5/8	3/4	13/16	15/16	1-1/8	1-5/16	1-1/2	1-11/16	1-7/8	2-1/16	2-1/4

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