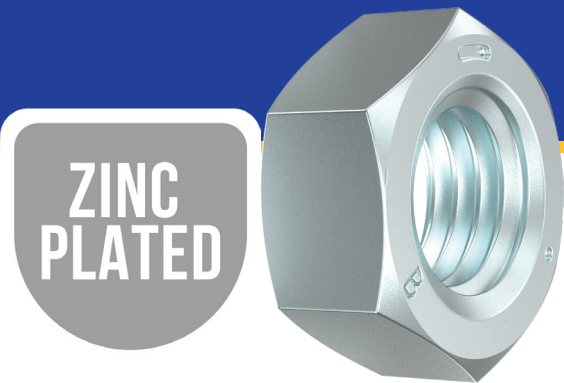


HEX NUT
GRADE 5 UNC

APPLICATION

Bremick® Hex Nuts UNC 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

Property Class

Manufacturer Mark

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

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	3800	6300	9300	12800	17000	21800	27100	40100	55400	72700	80100	102000	121000	148000
STRESS UNDER PROOF LOAD (psi)	MIN	120000										105000			
HARDNESS	ROCKWELL (HRC)	MAX	32												

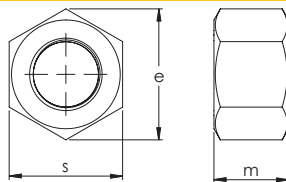
CHEMICAL COMPOSITION (%)

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)	
	UNC	MIN	MAX	MIN	MAX	MIN	MAX
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	0.562	0.628	0.650	0.320	0.337
7/16	14	0.675	0.688	0.768	0.794	0.365	0.385
1/2	13	0.736	0.750	0.840	0.866	0.427	0.448
9/16	12	0.861	0.875	0.982	1.010	0.473	0.496
5/8	11	0.922	0.938	1.051	1.083	0.535	0.559
3/4	10	1.088	1.125	1.240	1.299	0.617	0.665
7/8	9	1.269	1.312	1.447	1.516	0.724	0.776
1	8	1.450	1.500	1.653	1.732	0.831	0.887
1 1/8	7	1.631	1.688	1.859	1.949	0.939	0.999
1 1/4	7	1.812	1.875	2.066	2.165	1.030	1.094
1 3/8	6	1.994	2.062	2.273	2.382	1.138	1.206
1 1/2	6	2.175	2.250	2.480	2.598	1.245	1.317
1 3/4	5	2.538	2.625	2.893	3.031	1.460	1.553
2	4.5	2.900	3.000	3.306	3.464	1.675	1.763
2 1/2	4	3.625	3.750	4.133	4.330	2.105	2.209

Note: Dimensions for diameters > 1-1/2 are manufactured to ASME B18.2.2

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	1 3/4	2	2 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	2-5/8	3	3 3/4