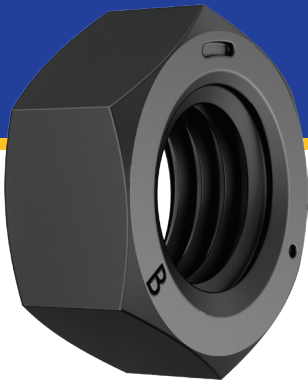


HEX NUT
GRADE 5 UNF

APPLICATION

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

BLACK



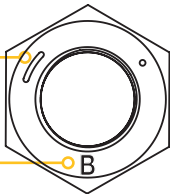
PRODUCT ATTRIBUTES

Material Class:	Carbon Steel Grade 5
Thread Form:	Class 2B
Finish:	Plain/Black/Natural
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	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												

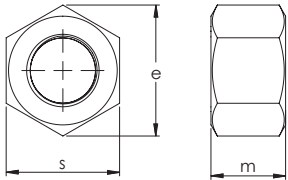
CHEMICAL COMPOSITION (%)

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

FINISH INFORMATION

PLAIN / BLACK / NATURAL		
DESCRIPTION	OVERVIEW	CORROSION RESISTANCE
Plain, Black & Natural are all terms referring to the fastener not having a coating applied. The product has a light oil added.	Plain or uncoated fasteners offer no corrosion protection they are supplied lightly oiled to inhibit the rust process prior to installation and help during installation.	—

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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