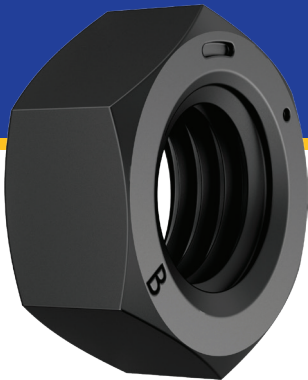


HEX NUT
GRADE 8 UNC

APPLICATION

Bremick® Hex Nuts UNC Grade 8 are designed for industrial and construction applications where high tensile superior performance is required

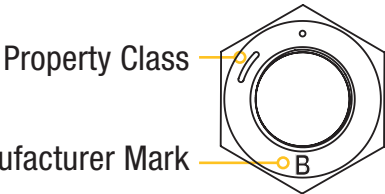
BLACK



PRODUCT ATTRIBUTES

Material Class:	Carbon Steel Grade 8
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



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

MECHANICAL PROPERTIES

DIAMETER (mm)		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	4750	7850	11600	15900	21300	27300	33900	50100	69300	90900	114000	145000	173000	211000
STRESS UNDER PROOF LOAD (psi)	MIN	150000													
HARDNESS	ROCKWELL (HRC)	RANGE	24-32						26-34			26-36			

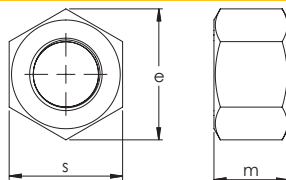
CHEMICAL COMPOSITION (%)

MATERIAL	C	Mn	P	S
	MAX	MAX	MAX	MAX
CARBON STEEL	0.55	0.30	0.04	0.05

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)	
	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

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