

NYLON INSERT LOCK NUT GRADE 8 UNC

APPLICATION

Bremick® nylon insert nuts are used in a wide range of applications to reduce loosening due to vibration and other factors. The nylon thread is cut upon application and produced friction. Not recommended for repeat use

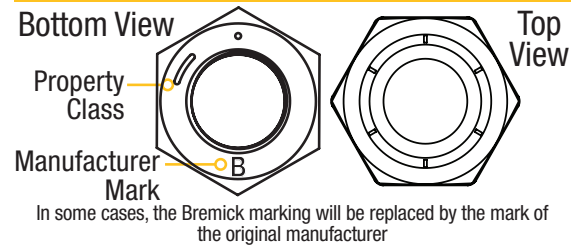
PRODUCT ATTRIBUTES

Material Class:	Carbon Steel Grade 8
Thread Form:	Class 2B
Finish:	Zinc Plated
Standard:	Complies to ASME B18.16.6:2017
Mechanical Properties:	Complies to ASME B18.16.6:2017
Chemical Composition:	Complies to ASME B18.16.6:2017

ZINC
PLATED



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 1/2
PROOF LOAD (lb)	MIN	4750	7850	11600	15900	21300	27300	33900	50100	69300	90900	115000	145000	211000
CLAMPING FORCE (lb)	MIN	2850	4700	6950	9600	12800	16400	20300	30100	41600	54600	69000	87000	127000
HARDNESS	ROCKWELL (HRC)	RANGE 24-32							26-34			26-36		

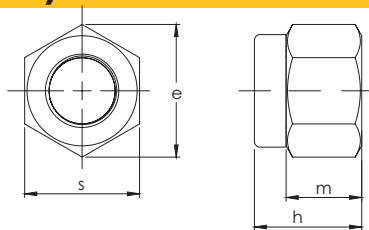
CHEMICAL COMPOSITION (%)

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

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 (inches)	ACROSS FLATS (s)		ACROSS CORNERS (e)		TOTAL HEIGHT (h)		NUT HEIGHT (m)
	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1/4	0.430	0.439	0.482		0.298	0.328	0.225
5/16	0.489	0.502	0.552		0.329	0.359	0.250
3/8	0.551	0.564	0.622		0.438	0.468	0.335
7/16	0.616	0.627	0.698		0.438	0.468	0.324
1/2	0.736	0.752	0.837		0.579	0.609	0.464
9/16	0.861	0.877	0.978		0.626	0.656	0.469
5/8	0.922	0.940	1.051		0.735	0.765	0.593
3/4	1.052	1.064	1.191		0.860	0.890	0.742
7/8	1.239	1.252	1.403		0.969	0.999	0.790
1	1.427	1.440	1.615		1.016	1.078	0.825
1 1/8	1.614	1.627	1.826		1.141	1.203	0.930
1 1/4	1.801	1.815	2.038		1.360	1.422	1.125
1 3/8	1.973	2.008	2.232		1.547	1.609	1.282
1 1/2	2.159	2.197	2.444		1.578	1.640	1.313

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	2-1/6	2-1/4

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