

NYLON INSERT LOCK NUT GRADE 2 UNF

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 2

Thread Form: Class 2B

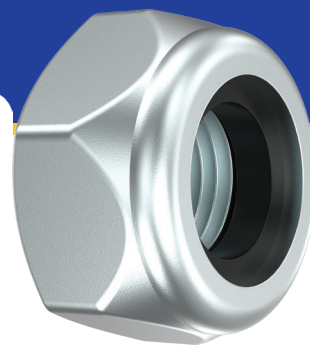
Finish: Zinc Plated

Standard: Complies to ASME B18.16.6:2017

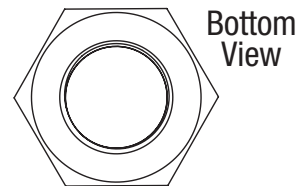
Mechanical Properties: Complies to ASME B18.16.6:2017

Chemical Composition: Complies to ASME B18.16.6:2017

ZINC
PLATED



MARKING



Bottom
View

Grade 2 UNC/UNF Nylon Insert Lock Nuts exist without permanent marking

MECHANICAL PROPERTIES

DIAMETER (inches)		#10	1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4	7/8	1 (TPI 14)	1 (TPI 12)	1 1/8	1 1/4	1 1/2
PROOF LOAD (lb)	MIN	1600	2900	4650	7000	9500	12800	16200	20500	29800	40800	54400	53000	68500	85800	126500
	MAX	840	1500	2400	3600	4900	6550	8350	10500	15400	12600	16800	16400	21200	26600	39100
HARDNESS	ROCKWELL (HRC)	MAX														
		28														

CHEMICAL COMPOSITION (%)

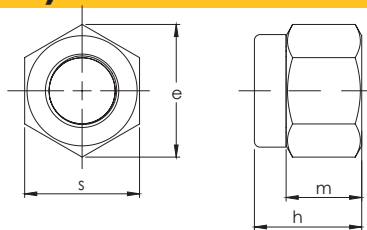
MATERIAL	C	Mn	P	S
	MAX	MIN	MAX	MAX
CARBON STEEL	0.47	-	0.12	0.15

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 (inches)	ACROSS FLATS (s)		ACROSS CORNERS (e)	TOTAL HEIGHT (h)		NUT HEIGHT (m)
	MIN	MAX		MIN	MAX	
#10	0.367	0.376	0.410	0.229	0.249	0.140
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	#10	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	3/8	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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