

NYLON INSERT LOCK NUT GRADE 2 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 2

Thread Form: Class 2B

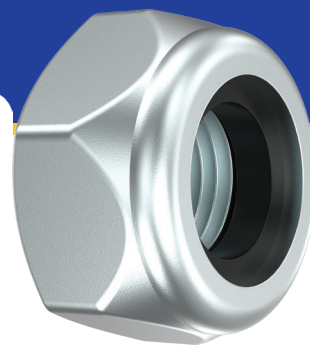
Finish: Zinc Plated

Standard: Complies to ASME B18.16.6:2017

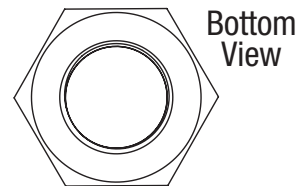
Mechanical Properties: Complies to ASME B18.16.6:2017

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	1 1/8	1 1/4	1 1/2
PROOF LOAD (lb)	MIN	1550	2900	4700	7000	9550	12800	16400	20300	30000	41600	54500	68700	87200	126000
CLAMPING FORCE (lb)	MIN	720	1300	2150	3200	4400	5850	7550	9300	13800	12400	15000	189000	24000	34800
HARDNESS	ROCKWELL (HRC)	MAX	28												

CHEMICAL COMPOSITION (%)

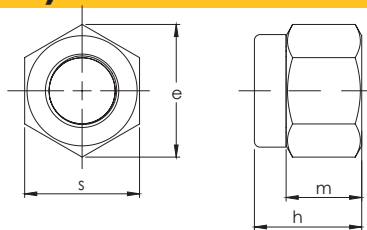
MATERIAL	C	Mn	P	S
	MAX	MIN	MAX	MAX
CARBON STEEL	0.47	-	0.12	0.15

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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