

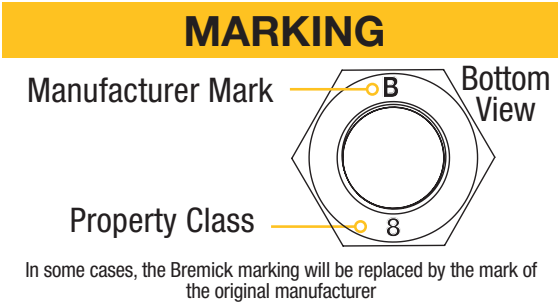
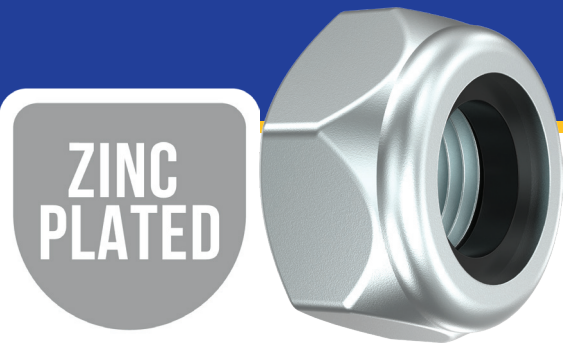
NYLON INSERT LOCK NUT
CLASS 8 METRIC

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 Class 8
Thread Form:	Metric 6H
Finish:	Zinc Plated
Standard:	Complies to DIN 985 1987
Mechanical Properties:	Complies to ISO 898.2:2022
Chemical Composition:	Complies to ISO 898.2:2022



MECHANICAL PROPERTIES

DIAMETER (mm)			M5	M6	M8	M10	M12	M14	M16	M18	M20	M24	M27	M30	M33	M36	M39
PROOF LOAD (N)		MIN	12140	17200	31800	50500	74200	101200	138200	176600	225400	324800	452100	552600	683600	804700	961400
STRESS UNDER PROOF LOAD (MPa)		MIN	860		885		895			965			985				
HARDNESS	VICKERS (HV)	RANGE	200-334							233-334							

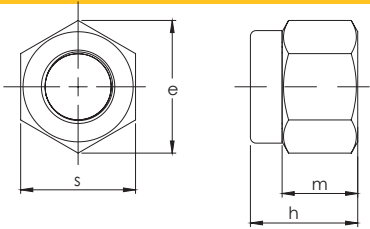
CHEMICAL COMPOSITION (%)

MATERIAL	C		Mn	P	S	TEMPERING TEMPERATURE °C
	MIN	MAX	MIN	MAX	MAX	MIN
CARBON STEEL	0.15	0.58	0.45	0.048	0.058	380

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 (mm)



DIAMETER (mm)	ACROSS FLATS (s)		ACROSS CORNERS (e)	TOTAL HEIGHT (h)		NUT HEIGHT (m)
	MIN	MAX		MIN	MAX	
3	5.32	5.50	6.01	3.70	4.00	2.40
4	6.78	7.00	7.66	4.70	5.00	2.90
5	7.78	8.00	8.79	4.70	5.00	3.20
6	9.78	10.00	11.05	5.70	6.00	4.00
8	12.73	13.00	14.38	7.64	8.00	5.50
10	16.73	17.00	18.90	9.64	10.00	6.50
12	18.67	19.00	21.10	11.57	12.00	8.00
14	21.67	22.00	24.49	13.30	14.00	9.50
16	23.67	24.00	26.75	15.30	16.00	10.50
18	26.16	27.00	29.56	17.66	18.50	13.00
20	29.16	30.00	32.95	18.70	20.00	14.00
22	31.00	32.00	35.03	20.70	22.00	15.00
24	34.60	35.00	39.55	22.70	24.00	15.00
27	41.00	40.00	45.20	25.70	27.00	17.00
30	45.00	46.00	50.85	28.70	30.00	19.00
36	53.80	55.00	60.79	34.40	36.00	25.00
39	58.60	58.80	66.44	37.40	39.00	27.00

SOCKET OR SPANNER SIZE (mm)

BOLT DIAMETER	3	4	5	6	8	10	12	14	16	18	20	22	24	27	30	36	39
SPANNER SIZE	5.5	7	8	10	13	17	19	22	24	27	30	32	35	40	46	55	59