

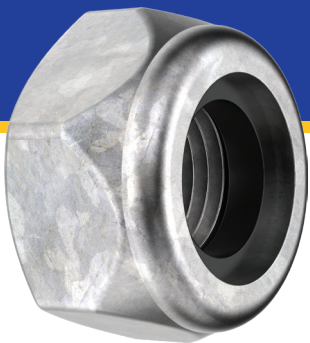
NYLON INSERT LOCK NUT
CLASS 6 METRIC

APPLICATION

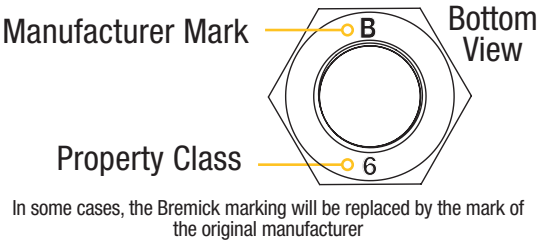
Bremick® nylon insert nuts are used in a wide range of applications to reduce loosening due to vibration and other factors. The nylon thread is cut upon application and produced friction. Not recommended for repeat use

PRODUCT ATTRIBUTES

Material Class:	Carbon Steel Class 6
Thread Form:	Metric 6H
Finish:	Hot Dipped Galvanised
Standard:	Complies to DIN 985 1987
Mechanical Properties:	Complies to ISO 898.2:2022
Chemical Composition:	Complies to ISO 898.2:2022



MARKING



MECHANICAL PROPERTIES

DIAMETER (mm)		M5	M6	M8	M10	M12	M14	M16	M18	M20	M24	M27	M30	M33	M36	M39
PROOF LOAD (N)	MIN	9500	13500	24900	39400	59000	80500	109900	138200	176400	254200	348800	426400	527400	620900	741800
STRESS UNDER PROOF LOAD (MPa)	MIN	680		705		710			740			760				
HARDNESS	VICKERS (HV)	RANGE	150-334						170-334							

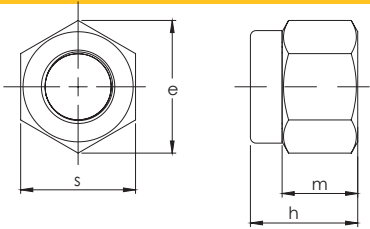
CHEMICAL COMPOSITION (%)

MATERIAL	C		Mn	P	S	TEMPERING TEMPERATURE °C
	MIN	MAX	MIN	MAX	MAX	MIN
CARBON STEEL	0.06	0.58	0.25	0.060	0.15	-

FINISH INFORMATION

HOT DIPPED GALVANISED		
DESCRIPTION	OVERVIEW	CORROSION RESISTANCE
Hot Dipped Galvanised is a process of dipping a steel object into a molten bath of zinc (455° - 480°C). The molten zinc adheres to the anchor surface covering all the corners and edges.	Bremick® Hot Dipped Galvanised Coating provides a moderate/high level of corrosion protection and is recommended for damp external application. Bremick® Hot Dipped Galvanising complies with AS/NZS 1214.	Moderate/High.

DIMENSIONAL DATA (mm)



DIAMETER (mm)	ACROSS FLATS (s)		ACROSS CORNERS (e)		TOTAL HEIGHT (h)		NUT HEIGHT (m)
	MIN	MAX	MIN		MIN	MAX	MIN
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

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