

HEX LOCK NUT CLASS 8 METRIC

APPLICATION

Bremick® lock nuts are designed to be used in conjunction with a standard hex nut to lock both nuts together. Because they are all metal components they can be used in higher temperature applications

PRODUCT ATTRIBUTES

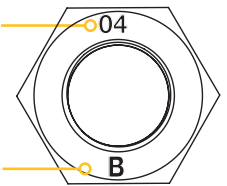
Material Class:	Carbon Steel Class 04
Thread Form:	Metric 6H
Finish:	Hot Dipped Galvanised
Standard:	Complies to AS 1112.4:2015
Mechanical Properties:	Complies to ISO 898.2:2022
Chemical Composition:	Complies to ISO 898.2:2022

HOT DIPPED
GALVANISED



MARKING

Property Class 04



Manufacturer Mark B

In some cases, the Bremick marking will be replaced by the mark of the original manufacturer

MECHANICAL PROPERTIES

DIAMETER (mm)		M12	M16	M20	M24	M30	M36
PROOF LOAD (N)	MIN	32000	59700	93100	134100	213200	310500
STRESS UNDER PROOF LOAD (MPa)	MIN	380					
HARDNESS	VICKERS (HV)	RANGE	188-334				

CHEMICAL COMPOSITION (%)

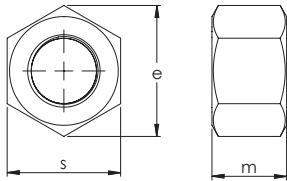
MATERIAL	C		Mn	P	S	TEMPERING TEMPERATURE °C
	MIN	MAX	MIN	MAX	MAX	MIN
CARBON STEEL	0.06	0.58	0.25	0.06	0.15	-

When thin nuts are used, the application shall take into account the stripping load which is lower than the proof load of a nut with full loadability

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	PITCH (mm)	ACROSS FLATS (s)		ACROSS CORNERS (e)		NUT HEIGHT (m)	
		MIN	MAX	MIN		MIN	MAX
M12	1.75	17.73	18.00	20.03		5.70	6.00
M16	2.00	23.67	24.00	26.75		7.42	8.00
M20	2.50	29.16	30.00	32.95		9.10	10.00
M24	3.00	35.00	36.00	39.55		10.90	12.00
M30	3.50	45.00	46.00	50.85		13.90	15.00
M36	4.00	53.80	55.00	60.79		16.90	18.00

SOCKET OR SPANNER SIZE (mm)

BOLT DIAMETER	M12	M16	M20	M24	M30	M36
SPANNER SIZE	18	24	30	36	46	55

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