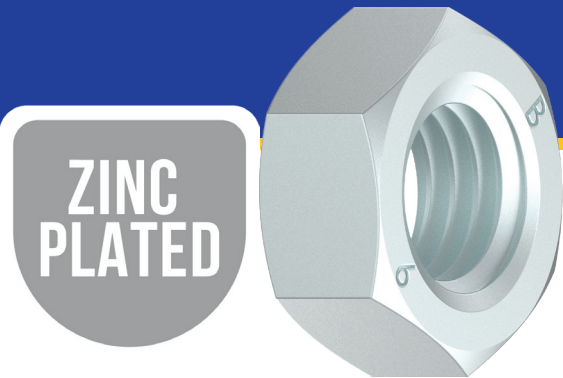


HEX NUT
CLASS 6 METRIC

APPLICATION

Bremick® Hex Nuts Metric Class 6 are designed for industrial and construction applications where moderate performance is required



PRODUCT ATTRIBUTES

Material Class:	Carbon Steel Class 6 (Style 1, NQT)
Thread Form:	Metric 6H
Finish:	Zinc Plated
Standard:	Complies to AS 1112.1:2015
Mechanical Properties:	Complies to ISO 898.2:2022
Chemical Composition:	Complies to ISO 898.2:2022

MARKING



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

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							

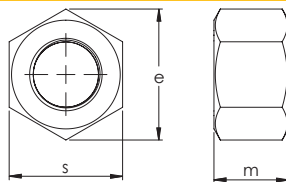
CHEMICAL COMPOSITION (%)

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

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	PITCH (mm)	ACROSS FLATS (s)		ACROSS CORNERS (e)		NUT HEIGHT (m)	
		MIN	MAX	MIN		MIN	MAX
M3	0.50	5.32	5.50	6.01		2.15	2.40
M4	0.70	6.78	7.00	7.66		2.90	3.20
M5	0.80	7.78	8.00	8.79		4.40	4.70
M6	1.00	9.78	10.00	11.05		4.90	5.20
M8	1.25	12.73	13.00	14.38		6.44	6.80
M10	1.50	15.73	16.00	17.77		8.04	8.40
M12	1.75	17.73	18.00	20.03		10.37	10.80
M14	2.00	20.67	21.00	23.36		12.10	12.80
M16	2.00	23.67	24.00	26.75		14.10	14.80
M18	2.50	26.16	27.00	29.56		15.10	15.80
M20	2.50	29.16	30.00	32.95		16.90	18.00
M24	3.00	35.00	36.00	39.55		20.20	21.50
M27	3.00	40.00	41.00	45.20		22.50	23.80
M30	3.50	45.00	46.00	50.85		24.30	25.60
M33	3.50	49.00	50.00	55.37		27.40	28.70
M36	4.00	53.80	55.00	60.79		29.40	31.00
M39	4.00	58.80	60.00	66.44		31.80	33.40
M42	4.50	63.10	65.00	71.30		32.40	34.00
M48	5.00	73.10	75.00	82.60		36.40	38.00

SOCKET OR SPANNER SIZE (mm)

BOLT DIAMETER	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M24	M27	M30	M33	M36	M39	M42	M48
SPANNER SIZE	5.5	7	8	10	13	16	18	21	24	27	30	36	41	46	50	55	60	65	75

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