

HEX NUT
GRADE 2 BSW

APPLICATION

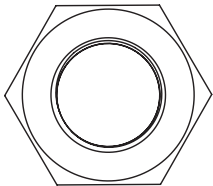
Bremick® Hex Nuts BSW Grade 2 are designed for industrial and construction applications where moderate tensile performance is required



PRODUCT ATTRIBUTES

Material Class:	Carbon Steel Grade 2
Thread Form:	Normal Class
Finish:	Zinc Plated
Standard:	Complies to AS/NZS 2451:1998
Mechanical Properties:	Complies to AS/NZS 2451:1998
Chemical Composition:	Complies to AS/NZS 2451:1998

MARKING



Grade 2 BSW nuts exist without permanent marking

MECHANICAL PROPERTIES

DIAMETER (inches)		1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1
PROOF LOAD (tonf)	MIN	0.90	1.47	2.18	2.99	3.88	6.35	9.41	13.00	17.05
STRESS UNDER PROOF LOAD (tonf/in²)	MIN	28								
HARDNESS	VICKERS (HV)	MIN	118							

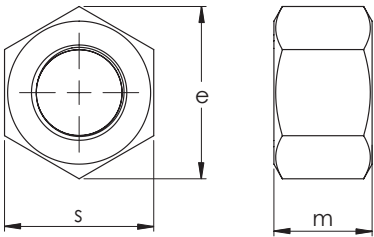
CHEMICAL COMPOSITION (%)

MATERIAL	C	P	S
	MAX	MAX	MAX
CARBON STEEL	0.5	0.06	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)	TPI	ACROSS FLATS (s)		ACROSS CORNERS (e)		NUT HEIGHT (m)	
	BSW	MIN	MAX	MIN		MIN	MAX
1/4	20	0.435	0.445	0.500		0.180	0.200
5/16	18	0.515	0.525	0.590		0.230	0.250
3/8	16	0.585	0.600	0.670		0.292	0.312
7/16	14	0.695	0.710	0.790		0.355	0.375
1/2	12	0.800	0.820	0.910		0.417	0.437
5/8	11	0.985	1.010	1.120		0.542	0.562
3/4	10	1.175	1.200	1.340		0.668	0.687
7/8	9	1.270	1.300	1.450		0.720	0.750
1	8	1.450	1.480	1.650		0.835	0.875

SOCKET OR SPANNER SIZE (inches)

BOLT DIAMETER	1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4	7/8	1
SPANNER SIZE	7/16	1/2	9/16	5/8	3/4	13/16	15/16	1-1/8	1-5/16	1-1/2

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