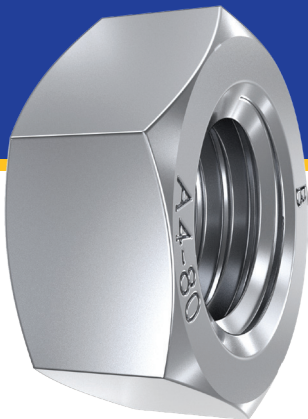


HEX NUT A4-80 METRIC
STAINLESS STEEL



APPLICATION

Bremick® Hex Nuts Metric A4-80 Stainless Steel are designed for industrial and construction applications where high tensile & ultimate corrosion performance is required

PRODUCT ATTRIBUTES

Material Class: Stainless Steel A4-80

Thread Form: Metric 6H

Standard: Complies to DIN 934:1987

Mechanical Properties: Complies to ISO 3506.2:2020

Chemical Composition: Complies to ISO 3506.2:2020

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	11350	16100	29290	46400	67420	92320	125400	154000	195900	282100	367600	448500	554900	653400	780700
STRESS UNDER PROOF LOAD (MPa)	MIN	800														

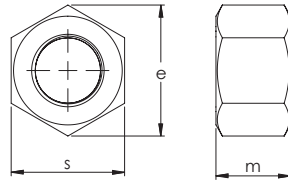
CHEMICAL COMPOSITION (%)

STAINLESS STEEL GRADE	C	Si	Mn	P	S	Cr	Mo	Ni	Cu
	MAX	MAX	MAX	MAX	MAX	RANGE	RANGE	RANGE	MAX
A4	0.08	1.00	2.00	0.045	0.030	16.0-18.5	2.00-3.00	10.0-15.0	4.0

MATERIAL INFORMATION

STAINLESS STEEL 316		
DESCRIPTION	OVERVIEW	CORROSION RESISTANCE
316 is a Marine Grade SS – It contains 2-3% Molybdenum which provides highest possible corrosion protection than 304 Stainless steel.	Bremick® 316 Stainless Steel provides the ultimate level of protection and is recommended for external application and marine environments.	Ultimate

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		3.70	4.00
M6	1.00	9.78	10.00	11.05		4.70	5.00
M8	1.25	12.73	13.00	14.38		6.14	6.50
M10	1.50	16.73	17.00	18.90		7.64	8.00
M12	1.75	18.67	19.00	21.10		9.64	10.00
M14	2.00	21.67	22.00	24.49		10.30	11.00
M16	2.00	23.67	24.00	26.75		12.30	13.00
M18	2.50	26.16	27.00	29.56		14.30	15.00
M20	2.50	29.16	30.00	32.95		14.90	16.00
M24	3.00	35.00	36.00	39.55		17.70	19.00
M27	3.00	40.00	41.00	45.20		20.70	22.00
M30	3.50	45.00	46.00	50.85		22.70	24.00
M33	3.50	49.00	50.00	55.37		24.70	26.00
M36	4.00	53.80	55.00	60.79		27.40	29.00
M39	4.00	58.80	60.00	66.44		29.40	31.00
M42	4.50	63.10	65.00	71.30		32.40	34.00
M48	5.00	73.10	75.00	82.60		34.40	36.00

SOCKET OR SPANNER SIZE (mm)

BOLT DIAMETER	M3	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M24	M27	M30	M33	M36	M39
SPANNER SIZE	5.5	7	8	10	13	17	19	22	24	27	30	36	41	46	50	55	60