

HEX NUT A4-50 METRIC STAINLESS STEEL

APPLICATION

Bremick® Hex Nuts Metric A4-50 Stainless Steel are designed for industrial and construction applications where ultimate corrosion performance is required

PRODUCT ATTRIBUTES

Material Class:	Stainless Steel A4-50
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	7100	10070	18310	29000	42140	57720	78340	96240	122400	176300	229800	280300	346800	408400	487900
STRESS UNDER PROOF LOAD (MPa)	MIN	500														

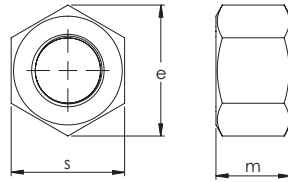
CHEMICAL COMPOSITION (%)

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