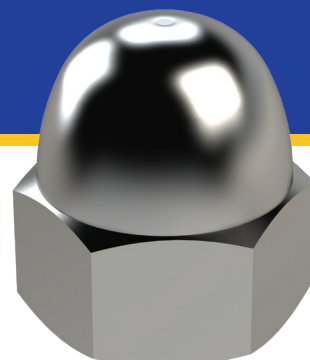


ACORN NUT A4-50 METRIC STAINLESS STEEL

APPLICATION

Bremick® Acorn nuts have a domed end which covers the exposed threads, this eliminates sharp edges. Mainly used to improve safety or where appearance is important

STAINLESS
STEEL
316



PRODUCT ATTRIBUTES

Material Class: Stainless Steel A4-50

Thread Form: 6H

Standard: Complies to DIN 1587:2021 - Grade A

Mechanical Properties: Complies to ISO 3506-2:2020

Chemical Composition: Complies to ISO 3506-2:2020

MECHANICAL PROPERTIES

DIAMETER (mm)		M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24
PROOF LOAD (N)	MIN	7100	10070	18310	29000	42140	57720	78340	96240	122400	151700	176300
STRESS UNDER PROOF LOAD (MPa)	MIN	500										

NOTE: Nuts with diameter < 5mm don't have mechanical property requirements

CHEMICAL COMPOSITION (%)

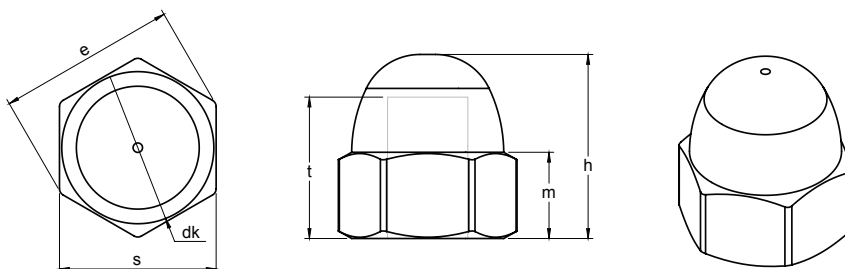
STAINLESS STEEL GRADE	C	Si	Mn	P	S	Cr	Mo	Ni	Cu
	MAX	MAX	MAX	MAX	MAX	RANGE	RANGE	RANGE	MAX
A4	0.08	1.00	2.00	0.045	0.030	16.0-18.5	2.00-3.00	10.0-15.0	4.0

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 (mm)	PITCH	HEAD DIAMETER (dk)	ACROSS CORNERS (e)	ACROSS FLATS (s)		NUT HEIGHT (m)		TOTAL HEIGHT (h)		THREAD ENGAGEMENT (t)	
NOMINAL	NOMINAL	MIN	MIN	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
M4	0.70	6.50	7.66	6.78	7.00	2.90	3.20	7.64	8.00	5.26	5.74
M5	0.80	7.50	8.79	7.78	8.00	3.70	4.00	9.64	10.00	7.21	7.79
M6	1.00	9.50	11.05	9.78	10.00	4.70	5.00	11.57	12.00	7.71	8.29
M8	1.25	12.50	14.38	12.73	13.00	6.14	6.50	14.57	15.00	10.65	11.35
M10	1.50	15.00	17.77	15.73	16.00	7.64	8.00	17.57	18.00	12.65	13.35
M12	1.75	17.0	20.03	17.73	18.00	9.64	10.00	21.48	22.00	15.65	16.35
M14	2.00	20.0	23.35	20.67	21.00	10.30	11.00	24.48	25.00	17.65	18.35
M16	2.00	23.0	26.75	23.67	24.00	12.30	13.00	27.48	28.00	20.58	21.42
M18	2.50	26.0	30.14	26.67	27.00	14.30	15.00	31.38	32.00	24.58	25.42
M20	2.50	28.0	33.53	29.67	30.00	14.90	16.00	33.38	34.00	25.58	26.42
M22	2.50	33.0	37.72	33.38	34.00	16.90	18.00	38.38	39.00	28.58	29.42
M24	3.00	34.0	39.98	35.38	36.00	17.70	19.00	41.38	42.00	30.50	31.50

SOCKET OR SPANNER SIZE (mm)

NUT DIAMETER	M4	M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24
SPANNER SIZE	7	8	10	13	16	18	21	24	27	30	34	36