

ACORN NUT CLASS 6 METRIC

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



CHROME
PLATED



PRODUCT ATTRIBUTES

Material Class: Carbon Steel Class 6

Thread Form: 6H

Finish: Chrome

Standard: Complies to DIN 1587:2021 - Grade B

Mechanical Properties: Complies to ISO 898.2:2022

Chemical Composition: Complies to ISO 898-2:2022

MECHANICAL PROPERTIES

DIAMETER (mm)		M5	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	
PROOF LOAD (N)		MIN	9500	13500	24900	39400	59000	80500	109900	138200	176400	218200	254200
STRESS UNDER PROOF LOAD (MPa)		MIN	680		705		710			740			
HARDNESS	VICKERS (HV)	RANGE	150-334							170-334			

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

CHEMICAL COMPOSITION (%)

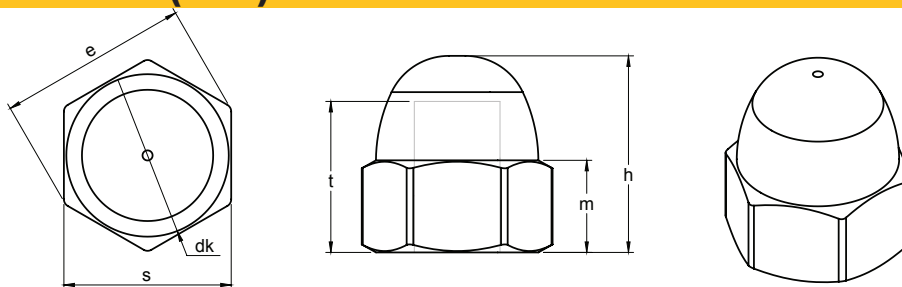
MATERIAL	C		Mn	P	S
	MIN	MAX	MAX	MAX	MAX
CARBON STEEL	0.06	0.58	0.25	0.060	0.15

FINISH INFORMATION

ZINC PLATED

DESCRIPTION	OVERVIEW	CORROSION RESISTANCE
Chrome Plating is a process of depositing a thin layer of chromium onto the surface of a steel object through electroplating. It enhances durability, corrosion resistance and aesthetic appeal.	Bremick® Chrome Plated Coating provides a low level of corrosion protection and is recommended for dry internal application. Bremick® Chrome Plating complies with ISO 2082.	Low.

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	7.50	6.64	7.00	2.90	3.20	7.42	8.00	5.26	5.74
M5	0.80	7.50	8.63	7.64	8.00	3.70	4.00	9.42	10.00	7.21	7.79
M6	1.00	9.50	10.89	9.64	10.00	4.70	5.00	11.30	12.00	7.71	8.29
M8	1.25	12.50	14.20	12.57	13.00	6.14	6.50	14.30	15.00	10.65	11.35
M10	1.50	15.00	17.59	15.57	16.00	7.64	8.00	17.30	18.00	12.65	13.35
M12	1.75	17.0	19.85	17.57	18.00	9.64	10.00	21.16	22.00	15.65	16.35
M14	2.00	20.0	22.78	20.16	21.00	10.30	11.00	24.16	25.00	17.65	18.35
M16	2.00	23.0	26.17	23.16	24.00	12.30	13.00	27.16	28.00	20.58	21.42
M18	2.50	26.0	29.56	26.16	27.00	14.30	15.00	31.00	32.00	24.58	25.42
M20	2.50	28.0	32.95	29.16	30.00	14.90	16.00	33.00	34.00	25.58	26.42
M22	2.50	33.0	37.29	33.00	34.00	16.90	18.00	38.00	39.00	28.58	29.42
M24	3.00	34.0	39.55	35.00	36.00	17.70	19.00	41.00	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