



METRIC - DOMED CAP (ACORN) NUTS, CLASS 6

DIN 1587

Nominal Size	Thread Pitch	F	G	H	T	Q
		Width Across Flats	Width Across Corners	Overall Height	Drill Depth	Hexagon Height
		Ref	Min	Ref	Ref	Ref
M3	0.50	5.50	6.08	6	3.80	3
M4	0.70	7	7.74	8	5.50	4
M5	0.80	8	8.87	10	7.50	5
M6	1	10	11.05	12	8	5
M8	1.25	13	14.38	15	11	6.50
M10	1.50	17	18.90	18	13	8
M12	1.75	19	21.10	22	16	10
M16	2	24	26.75	28	21	13
M20	2.5	30	33.53	34	26	16
M24	3	36	39.98	42	31	19

Description	A one-piece hex nut, milled-from-the-bar, with a dome-shaped top (similar in shape to an acorn) and a threaded hole at the opposite end.
Applications/Advantages	Cap nuts serve two main purposes: (1) as decorative pieces, and (2) as covers for projecting threads.
Material	Class 6 cap nuts shall be made from a low-carbon steel which conforms to the following chemical composition requirements-- <i>Carbon: 0.50% max.; Phosphorus: 0.060% max.; Sulfur: 0.150% max..</i>
Hardness	M3 - M16: Vickers HV 150 - 302 (Rockwell B 78.7 - C 30) over M16 - M24: Vickers HV 170 - 302 (Rockwell B 85 - C 30)
Plating	See Appendix-A for information about the plating of steel cap nuts.