

CAP (ACORN), CLOSED-END

One Piece



ONE PIECE CLOSED-END HEX CAP NUTS, LOW CROWN											SAE J483
Nominal Size or Basic Major Diameter of Thread		F		G		A	H	Q	T		U
		Width Across Flats		Width Across Corners					Body Diameter	Overall Height	Hexagon Height
		Max	Min	Max	Min	Max	Min				
• 4	0.1120	0.248	0.225	-	-	-	0.25	-	0.18	0.12	
6	0.1380	0.3125	0.302	0.361	0.344	0.30	0.34	0.16	0.25	0.16	
8	0.1640	0.3125	0.302	0.361	0.344	0.30	0.34	0.16	0.25	0.16	
10	0.1900	0.3750	0.362	0.433	0.413	0.36	0.41	0.19	0.28	0.19	
1/4	0.2500	0.4375	0.428	0.505	0.488	0.41	0.47	0.22	0.34	0.25	
5/16	0.3125	0.5000	0.489	0.577	0.557	0.47	0.53	0.25	0.41	0.31	
3/8	0.3750	0.5625	0.551	0.650	0.628	0.53	0.62	0.28	0.45	0.38	
1/2	0.5000	0.7500	0.736	0.866	0.840	0.72	0.81	0.38	0.59	0.50	
5/8	0.6250	0.9375	0.922	1.083	1.051	0.91	1.00	0.47	0.75	0.62	
3/4	0.7500	1.0625	1.045	1.227	1.191	1.03	1.16	0.53	0.88	0.75	

Dimensions for #4 nominal diameter are independent of SAE J483.

Description	<p>Steel: The low-crown cap nut is usually manufactured in two pieces, a hex nut and an acorn-shaped top, zinc die cast to form the finished part.</p> <p>Stainless: Similar in design to the steel nut but made from an austenitic stainless alloy. Nuts may be one or two-piece style.</p>
Applications/ Advantages	<p>Cap nuts serve two main purposes: (1) as decorative pieces, and (2) as covers for projecting threads.</p>
Material	<p>Steel: Nuts shall be made from a low-carbon steel which conforms to the following chemical composition requirements-- <i>Carbon:</i> 0.47% max.; <i>Phosphorus:</i> 0.12% max.; <i>Sulfur:</i> 0.23% max.. Stainless: 304L or equivalent stainless.</p>
Plating	<p>See Appendix-A for information about the plating of steel cap nuts.</p>