

# AIRFRAME NUTS



## AN310 CASTLE, AN320 SHEAR NUTS

Fabricated from steel & cadmium plated per QQ-P-416, Type II, Class 2. AN310 castle nuts are used with drilled-shank bolts, clevis bolts, eye bolts and studs. The slots in the nut accommodate a cotter pin for safety purposes. The thinner AN320 castellated shear nut, with half tensile rating of the AN310 nut, used with clevis bolts & threaded taper pins which are subject to shearing stress only.

AN310, AN320 Dash No.	Thread Size	Cotter Pin Size	AN310 Cad Plated Nuts Price	AN310C Stainless Nuts	AN320 Cad Plated Each	AN320C Stainless Nuts
-3	10-32	AN380-2-2	.	.	.	.
-4	1/4-28		.	.	.	.
-5	5/16-24		.	.	.	.
-6	3/8-24	AN380-3-3	.	.	.	.
-7	7/16-20		.	.	.	.
-8	1/2-20		.	.	.	.
-9	9/16-18	AN380-4-4	.	---	.	.
-10	5/8-18		.	---	.	.
-12	3/4-16	AN380-4-5	.	---	.	.



## AN315 FULL HEX, AN316 THIN CHECK NUTS

Fabricated from steel and cadmium plated per QQ-P-416, Type II, Class 2. The AN315 plain hex nut is of rugged construction and can carry the same high tension load as the AN310 castle nut. It requires an auxiliary locking device such as a check nut or lock washer. AN316 hex check nuts can carry half the tension load of the AN315 nut. They are used as a locking device for plain nuts, set screws, rod ends, etc. Order by AN number. Add R or L after dash number for right-hand or left-hand thread. **Example:** AN316-5L is a thin check nut with 5/16-24 left-hand thread.

AN315	Price Ea.		Thread Size	AN316	Price Ea.	
	R	L			R	L
-640	.	.	6-40	None	None	None
-3	.	.	10-32	None	None	None
-4	.	.	1/4-28	-4	.	.
-5	.	.	5/16-24	-5	.	.
-6	.	.	3/8-24	-6	.	.
-7	.	.	7/16-20	-7	.	.
-8	.	---	1/2-20	-8	.	.
-9	.	---	9/16-18	-9	.	---



## HEX NUT - LOW HEIGHT

Heat treated, cadmium plated steel with dry film lubricant applied. Self-locking. Standard temp. to 450°F.

Thread Size	NAS No.	Part No.	Price Ea.	Thread Size	NAS No.	Part No.	Price Ea.
6-32	679-A06	04-00143	.	5/16-24	679-A5	04-00148	.
8-32	679-A08	04-00144	.	3/8-24	679-A6	04-00149	.
10-32	679-A3	04-00146	.	7/16-20	679-A7	04-00154	.
1/4-28	679-A4	04-00147	.				



## CAP NUTS ("ACORN NUTS")

Use these solid brass cap nuts to attach instrument panels to stud-type shock mounts. Give the panel an attractive, finished appearance and do not introduce magnetic interference.

Part No.	Thread Size	Price Ea	Part No.	Thread Size	Price Ea
AC632	6-32	.	AC1032	10-32	.
AC832	8-32	.	AC1428	1/4-28	.

## AN345 PLAIN HEX MACHINE SCREW NUT



Fine Thread Thread	Cad-Plated Cat.#	Price	Stainless Cat.#	Price
10-32	AN345-10	.	AN345C10	.
1/4-28	AN345-428	.	AN345C428	.
5/16	AN345-524	.		
3/8-24	AN345-624	.		

## AN340 PLAIN HEX MACHINE SCREW NUT

Coarse Thread - Use brass type for instruments.



Thread	Dash#	AN340 Cad-Plated Price	AN340C Stainless Price	AN340B Brass Price
4-40	-4	.	.	.
6-32	-6	.	.	.
8-32	-8	.	.	.
10-24	-10	.	.	.

## AN350 WING NUTS



AN350 WING NUTS Fabricated from carbon steel and cadmium plated per specification QQ-P416A, Type II, Class 3. Tensile strength 50,000 PSI. A .070" hole is drilled in one wing for safety wire.

Dash No.	Thread Size	Price Each	Dash No.	Thread Size	Price Each
-632	3-32	---	-4	1/4-28	.
-832	8-32	---	-5	5/16-24	---
-1032	10-32	.			

## MS27151 PAL NUTS



MS27151 engine nuts replace AC356 Pal nuts. They are stamped from 1050 spring steel and cadmium plated per QQ-P-416A, Type II, Class 2.

Dash No.	Thread Size	Price Each	Dash No.	Thread Size	Price Each
-7	10-32	.	-19	3/8-24	.
-13	1/4-28	.	-21	7/16-24	.
-16	5/16-24	.	-24	1/2-20	.

## MS17825 SELF-LOCKING CASTLE NUTS

Manufactured to standard castle or shear nut specifications with a nylon insert added for positive safety. Use it throughout the control system. Should the cotter pin used with castle nuts be overlooked, the nut cannot work loose. The nylon insert will act as a stop nut.



Dash No.	Thread Size	Price Each	Dash No.	Thread Size	Price Each
-3	10-32	.	-6	3/8-24	.
-4	1/4-28	.	-7	7/16-20	.
-5	5/16-24	.			

## EXHAUST MANIFOLD NUTS



Part No.	Thread Size	Type	Engine Application	Price Each
22022	5/16-24	Brass	Cont. A-65, (C-75 thru O-90, O-200, O-300)	.
STD1410	5/16-18	Steel	Lycoming	.
STD1411	1/4-20	Steel	Lycoming	.

## MS21042 HEX NUTS (LUBED)

These are the same as MS21042- but have a dry film lube (dark grey).

Dash No.	Thread Size	Price Each	Dash No.	Thread Size	Price Each	Dash No.	Thread Size	Price Each
-L04	4-40	.	-L3	10-32	.	-L5	5/16-24	.
-L06	6-32	.	-L4	1/4-28	.	-L6	3/8-24	.
-L08	8-32	.						

## MS21043 HEX NUTS (STAINLESS STEEL)

These are the same as MS21042 but are made from A-286 stainless steel and are silver plated.

Dash No.	Thread Size	Price Each	Dash No.	Thread Size	Price Each	Dash No.	Thread Size	Price Each
-04	4-40	.	-3	10-32	.	-5	5/16-24	.
-06	6-32	.	-4	1/4-28	.	-6	3/8-24	.
-08	8-32	.						

## AXLE NUTS



Castle type nuts manufactured to MIL Specification MS21025 using 4140 steel. Mild steel nuts are not acceptable for use on certificated aircraft. 1-1/4" dia. nuts for 500 x 5 axles, 1-1/2" dia. nuts for 600 x 6 axles.

Nut Type	Thread Size	Part No.	Price	Nut Type	Thread Size	Part No.	Price
Castle	1-1/4x16	06-11800	.	Round	1-1/4x12	11725	.
Castle	1-1/2x16	06-11900	.	Round	1-1/2x16	11726	.

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