SPRING NUTS

Flat Type

TINNERMAN® NUT ALTERNATIVES



STEEL SPRING NUTS FLAT TYPE — Tinnerman®.*, SAE J891

Industry Part Number	Screw Size	L Length	W Width	T Material Thickness	PERMORMANCE DATA: Recommended Installation Torque (lb.-in.) Max	PERMORMANCE DATA: Ultimate Tensile Strength (lb.) Min
C105SS-440-4	4-40	.44	.25	.012	3	100
C430-1032-4	10-32	.75	.44	.017	-	-
C7000-4-4	4A or B	.38	.25	.022	9	300
C7000-632-4	6-32	.44	.28	.017	6	155
C7000-6-4	6A or B	.50	.31	.025	12	500
C7000-832-4	8-32	.50	.31	.017	8	200
C7000-8-4	8A or B	.63	.41	.028	20	620
C1150-1024	10-24	.73	.44	.022	14	315
C7000-1024-4	10-24	.63	.38	.022	14	315
C7000-10-4	10A or B	.75	.50	.031	35	1000
C7000-1420	1/4-20	.75	.50	.025	35	570

Description	A one piece, self-locking fastener made of spring steel. The perimeter of the nut is rectangular in shape. Some variations have an arched base and/or corners which are trimmed or turned.
Applications/ Advantages	It reduces inventories by eliminating need for lockwashers and spanners. Its single thread engagement design makes it easy to apply and remove. Parts are reusable. Provides the correct amount of spring tension without damaging enamel, glass or porcelain surfaces.
Material	SAE 1050 or higher carbon steel, with the exception of part# C105SS-440-4 which is made of stainless steel.
Hardness (Steel)	For material thickness 0.017-0.024 in., Rockwell 30N C40 minimum, C50 maximum. For material thickness 0.025-0.039 in., Rockwell 45N C40 minimum, C50 maximum.
Plating	See Appendix-A for information on the plating of steel spring nuts.

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