



METRIC SELF-CLINCHING NUTS

\*PEM®

Size	Catalog Part Number (Steel nuts)	PEM® Part Number (Steel nuts)	A		Hole Size in Sheet +0.08 -0.00	C		E	T	Performance Data in Cold-Rolled Steel		
			Shank Height	Minimum Sheet Thickness		Shank Diameter	Nut Diameter ±0.25			Nut Height ±0.25	Installation (kN)	Pushout (N)
			Max			Max						
M2x0.4-0	M2-0NCL	S-M2-0-ZI	0.77	0.8 - 1	4.25	4.22	6.3	1.5	11.2 - 15.6		470	1.47
M2x0.4-1	M2-1NCL	S-M2-1-ZI	0.97	1							550	1.7
M2x0.4-2	M2-2NCL	S-M2-2-ZI	1.38	1.4							1010	2.03
M2.5x0.45-0	M2.5-0NCL	S-M2.5-0-ZI	0.77	0.8 - 1	4.25	4.22	6.3	1.5	11.2 - 15.6		470	1.47
M2.5x0.45-1	M2.5-1NCL	S-M2.5-1-ZI	0.97	1							550	1.7
M2.5x0.45-2	M2.5-2NCL	S-M2.5-2-ZI	1.38	1.4							1010	2.03
M3x0.5-0	M3-0NCL	S-M3-0-ZI	0.77	0.8 - 1	4.25	4.22	6.3	1.5	11.2 - 15.6		470	1.47
M3x0.5-1	M3-1NCL	S-M3-1-ZI	0.97	1							550	1.7
M3x0.5-2	M3-2NCL	S-M3-2-ZI	1.38	1.4							1010	2.03
M3.5x0.6-0	M3.5-0NCL	S-M3.5-0-ZI	0.77	0.8 - 1	4.75	4.73	7.1	1.5	13.4 - 26.7		480	1.8
M3.5x0.6-1	M3.5-1NCL	S-M3.5-1-ZI	0.97	1							570	2.3
M3.5x0.6-2	M3.5-2NCL	S-M3.5-2-ZI	1.38	1.4							1210	2.3
*M3.5x0.6-3	M3.5-3NCL	S-M3.5-3-ZI	2.21	2.3							-	-
M4x0.7-0	M4-0NCL	S-M4-0-ZI	0.77	0.8 - 1	5.4	5.38	7.9	2	18 - 27		490	2.95
M4x0.7-1	M4-1NCL	S-M4-1-ZI	0.97	1							645	4
M4x0.7-2	M4-2NCL	S-M4-2-ZI	1.38	1.4							1250	5.1
*M4x0.7-3	M4-3NCL	S-M4-3-ZI	2.21	2.3							1300*	4.2*
M5x0.8-0	M5-0NCL	SS-M5-0-ZI	0.77	0.8 - 1	6.4	6.38	8.7	2	18 - 38		530	3.6
M5x0.8-1	M5-1NCL	SS-M5-1-ZI	0.97	1							800	4.5
M5x0.8-2	M5-2NCL	SS-M5-2-ZI	1.38	1.4							1112	6.8
*M5x0.8-3	M5-3NCL	SS-M5-3-ZI	2.21	2.3							1500*	6*

\*Dimensions and performance data for these sizes are independent of PEM® standards.

<b>Description</b>	A round, internally threaded, one-piece fastener with a shank protruding from the internal circumference, and a knurled clinching ring surrounding the shank. Both the shank and the clinching ring are integrally formed into the bottom side of the nut.
<b>Applications/ Advantages</b>	Designed for use in thin sheet metal when load bearing threads are necessary. The nut is pressed into a pre-drilled or punched hole, then force is applied to the top of the nut until the bearing surface at the outside diameter of the bottom of the nut is flush with the sheet metal to which it is attached.
<b>Material</b>	Carbon steel
<b>Heat Treatment</b>	Nuts are case-hardened.
<b>Plating</b>	See Appendix-A for information on zinc plating.
<b>For Use In</b>	Can be installed into metals of Rockwell hardness of B80 max.

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