



SELF-CLINCHING NUTS											PEM *		
Size	Catalog Part Number	PEM Part Number	A		Sheet Thickness	Hole Size in Sheet +.003, -.000	C		E	T	Performance Data in Cold-Rolled Steel		
			Shank Height	Max			Min	Shank Diameter			Nut Diameter ±.01	Nut Height ±.01	Installation (lbs.)
					Max	Min			Max	±.01			
4-40-0	04-0NCL	S-440-0-ZI	.030	.030	.030	.166	.165	.25	.07	2500-3500	105	13	
4-40-1	04-1NCL	S-440-1-ZI	.038	.040	.040	.166	.165	.25	.07		125	15	
4-40-2	04-2NCL	S-440-2-ZI	.054	.056	.056	.166	.165	.25	.07		230	18	
6-32-0	06-0NCL	S-632-0-ZI	.030	.030	.030	.1875	.187	.28	.07	3000-6000	110	16	
6-32-1	06-1NCL	S-632-1-ZI	.038	.040	.040	.1875	.187	.28	.07		130	20	
6-32-2	06-2NCL	S-632-2-ZI	.054	.056	.056	.1875	.187	.28	.07		275	28	
8-32-0	08-0NCL	S-832-0-ZI	.030	.030	.030	.213	.212	.31	.09	4000-6000	110	26	
8-32-1	08-1NCL	S-832-1-ZI	.038	.040	.040	.213	.212	.31	.09		145	35	
8-32-2	08-2NCL	S-832-2-ZI	.054	.056	.056	.213	.212	.31	.09		285	45	
10-24-0	10-0NCL	SS-024-0-ZI	.030	.030	.030	.250	.249	.34	.09	4000-9000	120	32	
10-24-1	10-1NCL	SS-024-1-ZI	.038	.040	.040	.250	.249	.34	.09		180	40	
10-24-2	10-2NCL	SS-024-2-ZI	.054	.056	.056	.250	.249	.34	.09		320	60	
10-24-3	10-3NCL	SS-024-3-ZI	.087	.091	.091	.250	.249	.34	.09		320	60	
10-32-0	11-0NCL	SS-032-0-ZI	.030	.030	.030	.250	.249	.34	.09		120	32	
10-32-1	11-1NCL	SS-032-1-ZI	.038	.040	.040	.250	.249	.34	.09		180	40	
10-32-2	11-2NCL	SS-032-2-ZI	.054	.056	.056	.250	.249	.34	.09		320	60	
10-32-3	11-3NCL	SS-032-3-ZI	.087	.091	.091	.250	.249	.34	.09		320	60	
1/4-20-1	14-1NCL	S-0420-1-ZI	.054	.056	.056	.344	.343	.44	.17		6000-8000	400	150
1/4-20-2	14-2NCL	S-0420-2-ZI	.087	.091	.091	.344	.343	.44	.17	400		150	
1/4-20-3	14-3NCL	S-0420-3-ZI	.120	.125	.125	.344	.343	.44	.17	400		150	
5/16-18-1	31-1NCL	S-0518-1-ZI	.054	.056	.056	.413	.411	.50	.23	6000-8000	420	230	
5/16-18-2	31-2NCL	S-0518-2-ZI	.087	.091	.091	.413	.411	.50	.23				
5/16-18-3	31-3NCL	S-0518-3-ZI	.120	.125	.125	.413	.411	.50	.23				
5/16-24-1	32-1NCL	S-0524-1-ZI	.054	.056	.056	.413	.411	.50	.23				
5/16-24-2	32-2NCL	S-0524-2-ZI	.087	.091	.091	.413	.411	.50	.23				

Description	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.
Applications/Advantages	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.
Material	Carbon steel
Heat Treatment	Nuts are case-hardened.
Plating	See Appendix-A for information on the plating of self-clinching nuts.
For Use In	Nuts can be installed into metals of Rockwell hardness of B80 maximum.

*Penn Engineering is the original designer of these clinch nut specifications.