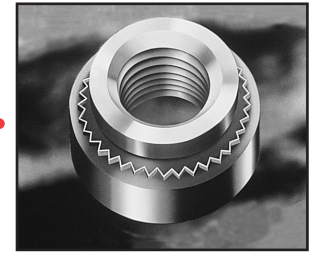


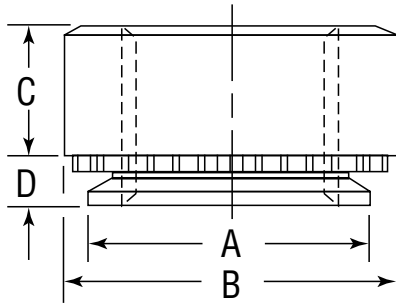


Self-Clinching Nuts

Series C & CS



C & CS nuts provide strong load-bearing threads in sheet metal and other thin section assemblies. C & CS nuts meet spec. features of MIL-N-45938/1.



Series	Material	Finish
C	Heat-treated Carbon Steel	Zinc* Clear
CS	Series 300 Stainless Steel	Passivated ASTM A380

*Spec. ASTM B633-85

Thread: Class 2B, MIL-S-7742; (6H ISO metric).

Use In: C – Materials with HRB-80 or less.

CS – Materials with HRB-70 or less.

Dimensions & Specifications

Thread Size	Part Number		D Max.	Min.	+.003 in. -.000	A Max.	B ± .01 in.	C ± .01 in.	Min.
	Carbon Steel	Stainless Steel							
#2-56	C256-0	CS256-0	.030	.030	.166	.165	.250	.070	.19
	C256-1	CS256-1	.038	.040					
	C256-2	CS256-2	.054	.056					
	C256-3	CS256-3	.087	.091					
#3-48	C348-0	CS348-0	.030	.030	.166	.165	.250	.070	.19
	C348-1	CS348-1	.038	.040					
	C348-2	CS348-2	.054	.056					
	C348-3	CS348-3	.087	.091					
#4-40	C440-0	CS440-0	.030	.030	.166	.165	.250	.070	.19
	C440-1	CS440-1	.038	.040					
	C440-2	CS440-2	.054	.056					
	C440-3	CS440-3	.087	.091					
#6-32	C632-0	CS632-0	.030	.030	.1875	.187	.281	.070	.22
	C632-1	CS632-1	.038	.040					
	C632-2	CS632-2	.054	.056					
	C632-3	CS632-3	.087	.091					
#8-32	C832-0	CS832-0	.030	.030	.213	.212	.312	.090	.27
	C832-1	CS832-1	.038	.040					
	C832-2	CS832-2	.054	.056					
	C832-3	CS832-3	.087	.091					

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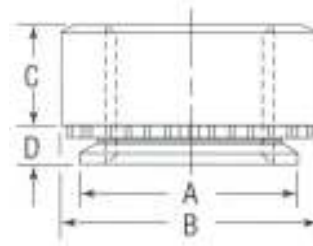


Self-Clinching Nuts

Series C & CS



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Dimensions & Specifications

Thread Size	Part Number		D MAX.	Min. Sheet Thickness	+ .003 - .000	A Max	B ± .01	C +/- .01 in	Min. Dist Hole C/L to edge
	Carbon Steel	Stainless Steel							
#10-24	C1024-0	CS1024-0	.030	.030	.250	.249	.344	.090	.28
	C1024-1	CS1024-1	.038	.040					
	C1024-2	CS1024-2	.054	.056					
	C1024-3	CS1024-3	.087	.091					
#10-32	C1032-0	CS1032-0	.030	.030	.250	.249	.344	.090	.28
	C1032-1	CS1032-1	.038	.040					
	C1032-2	CS1032-2	.054	.056					
	C1032-3	CS1032-3	.087	.091					
#12-24	C1224-1	CS1224-1	.038	.040	.277	.276	.380	.130	.31
	C1224-2	CS1224-2	.054	.056					
	C1224-3	CS1224-3	.087	.091					
¼-20	C420-0	CS420-0	.038	.040	.344	.343	.437	.170	.34
	C420-1	CS420-1	.054	.056					
	C420-2	CS420-2	.087	.091					
	C420-3	CS420-3	.120	.125					
¼-28	C428-1	CS428-1	.054	.056	.344	.343	.437	.170	.34
	C428-2	CS428-2	.087	.091					
	C428-3	CS428-3	.120	.125					
5/16-18	C518-1	CS518-1	.054	.056	.413	.412	.500	.230	.38
	C518-2	CS518-2	.087	.091					
	C518-3	CS518-3	.120	.125					
5/16-24	C524-1	CS524-1	.054	.056	.413	.412	.500	.230	.38
	C524-2	CS524-2	.087	.091					
	C524-3	CS524-3	.120	.125					
3/8-16	C616-1	CS616-1	.054	.056	.500	.499	.562	.270	.44
	C616-2	CS616-2	.087	.091					
	C616-3	CS616-3	.120	.125					
3/8-24	C624-1	CS624-1	.054	.056	.500	.499	.562	.270	.44
	C624-2	CS624-2	.087	.091					
	C624-3	CS624-3	.120	.125					
½-13	C813-1	CS813-1	.120	.125	.656	.655	.81	.36	.63
	C813-2	CS813-2	.235	.250					

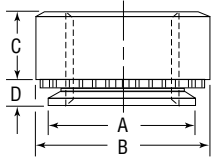
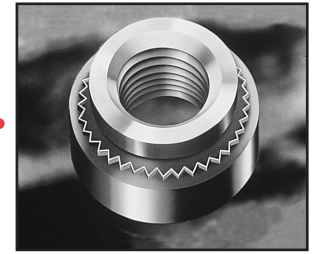
INCH (in.)

Not Stocked, available on special order



Self-Clinching Nuts

Series C & CS



Continued from previous page.

Dimensions & Specifications

Thread Size	Part Number		D Max.	Min.	+0.08 mm -0.000	A Max.	B ± 0.25 mm	C ± 0.25 mm	Min.
	Carbon Steel	Stainless Steel							
M2 x 0.4	CM2-0	CSM2-0	0.76	0.8	4.25	4.22	6.3	1.5	4.8
	CM2-1	CSM2-1	0.97	1.0					
	CM2-2	CSM2-2	1.37	1.4					
	CM2-3	CSM2-3	2.21	2.3					
M2.5 x 0.45	CM2.5-0	CSM2.5-0	0.76	0.8	4.25	4.22	6.3	1.5	4.8
	CM2.5-1	CSM2.5-1	0.97	1.0					
	CM2.5-2	CSM2.5-2	1.37	1.4					
	CM2.5-3	CSM2.5-3	2.21	2.3					
M3 x 0.5	CM3-0	CSM3-0	0.76	0.8	4.25	4.22	6.3	1.5	4.8
	CM3-1	CSM3-1	0.97	1.0					
	CM3-2	CSM3-2	1.37	1.4					
	CM3-3	CSM3-3	2.21	2.3					
M3.5 x 0.6	CM3.5-0	CSM3.5-0	0.76	0.8	4.75	4.73	7.1	1.5	5.6
	CM3.5-1	CSM3.5-1	0.97	1.0					
	CM3.5-2	CSM3.5-2	1.37	1.4					
	CM3.5-3	CSM3.5-3	2.21	2.3					
M4 x 0.7	CM4-0	CSM4-0	0.76	0.8	5.4	5.38	7.9	2.0	6.9
	CM4-1	CSM4-1	0.97	1.0					
	CM4-2	CSM4-2	1.37	1.4					
	CM4-3	CSM4-3	2.21	2.3					
M5 x 0.8	CM5-0	CSM5-0	0.76	0.8	6.4	6.38	8.7	2.0	7.1
	CM5-1	CSM5-1	0.97	1.0					
	CM5-2	CSM5-2	1.37	1.4					
	CM5-3	CSM5-3	2.21	2.3					
M6 x 1.0	CM6-1	CSM6-1	1.37	1.4	8.75	8.72	11.05	4.08	8.6
	CM6-2	CSM6-2	2.21	2.3					
	CM6-3 [†]	CSM6-3	3.05	3.2					
M8 x 1.25	CM8-1	CSM8-1	1.37	1.4	10.5	10.44	12.65	5.47	9.7
	CM8-2	CSM8-2	2.21	2.3					
	CM8-3 [†]	CSM8-3	3.05	3.2					
M10 x 1.5	CM10-1	CSM10-1	2.21	2.3	14.0	13.94	17.35	7.48	13.5
	CM10-2	CSM10-2	3.05	3.2					
	CM10-3 [†]	CSM10-3 [†]	6.00	6.4					

[†]Not stocked, available upon special order.

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Self-Clinching Nuts

Series C & CS



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Installation & Performance Data

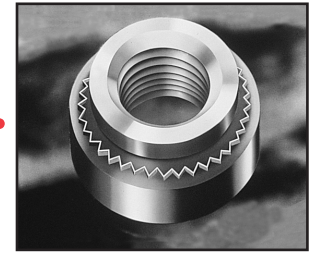
Thread Size	Shank Code	Cold-rolled Steel			5052-H34 Aluminum		
		Installation Force (Tons)	Pushout (lbs.)	Torque-out (lbs.)	Installation Force (Tons)	Pushout (lbs.)	Torque-out (lbs.)
#256 #3-48 #4-40	-0	1 - 2	100	13	0.5 - 1	60	8
	-1		120	14		89	9.5
	-2		225	17		169	12
	-3		225	18		169	12
#632	-0	1.5 - 3	105	15	1 - 2	60	16
	-1		125	19		90	17
	-2		270	27		185	21
	-3		270	27		185	21
#832	-0	2 - 3	105	25	1 - 2	65	21
	-1		140	34		100	23
	-2		280	44		215	32
	-3		280	44		215	32
#10-24 #10-32	-0	2 - 3.5	115	31	1 - 2	65	25
	-1		175	39		105	31
	-2		245	59		245	49
	-3		315	59		245	49
#12-24	-1	3 - 4	195	76	2 - 3.5	115	62
	-2		345	79		280	69
	-3		345	79		280	69
¼-20 ¼-28	-0	3 - 4	310	110	2 - 3.5	215	65
	-1		395	145		355	85
	-2-3						120
5/16-18 5/16-24	-1	3 - 4	420	160	2 - 3.5	375	115
	-2-3		420	175		375	155
3/8-16 3/8-24	-1	3.5 - 5.5	455	315	2.5 - 4	395	265
	-2						
	-3						
½-13	-1 -2	5-7.5	1040	730	7-9	470	345

† Not Stocked, available on special order.

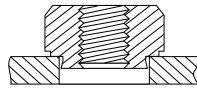


Self-Clinching Nuts

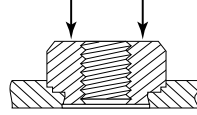
Series C & CS



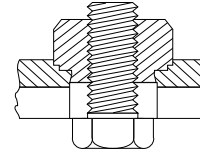
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Fastener Must Be Installed
Squarely In Hole



Squeezing Force Is Applied
To Head Of Fastener



Install Bolt Or Screw
From Opposite Side
Of Head Of Fastener

Installation & Performance Data

Thread Size	Shank Code	Cold-rolled Steel			5052-H34 Aluminum		
		Installation Force (kN)	Pushout (N)	Torque-out (N•m)	Installation Force (kN)	Pushout (N)	Torque-out (N•m)
M2	-0	11.2-15.6	465	2.1	6.7-8.9	275	0.9
M2.5	-1		545			390	1.1
M3	-2		1010			745	1.4
	-3		1100			850	1.4
M3.5	-0	13.4-26.7	475	1.8	11.2-13.4	290	1.8
	-1		565	1.8		465	1.9
	-2		1200	2.3		965	2.5
	-3		1300	2.5		1050	2.8
M4	-0	18-27	485	2.9	11.2-13.4	290	2.3
	-1		640	2.95		465	2.6
	-2		1245	4.2		965	4.0
	-3		1300	4.2		1100	4.0
M5	-0	18-31	525	3.6	11.2-15.6	290	3.0
	-1		790	3.6		475	3.6
	-2		1400	6.0		1180	4.7
	-3		1500	6.0		1225	5.7
M6	-0	27-36	1375	12.8	18-32	965	7.7
	-1-2-3		1755	16.4		1570	9.6
M8	-1	27-36	1860	18.1	18-32	1560	13.0
	-2						
	-3						
M10	-1	32-50	2000	36.2	22-36	1750	32.7
	-2						
	-3						