

Self-Clinching Studs for Stainless Steel with Superior Corrosion Resistance



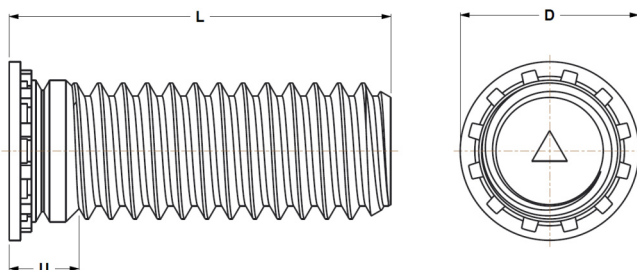
Series CH2S

CH2S studs are made of heat treated stainless steel providing a strong, flush-head assembly in stainless steel material as thin as .040 in. (1 mm) with high torque-out and pushout performance. They provide excellent corrosion resistance and are recommended for use in marine, food service, medical applications. They also can be used in applications up to 1200° F.

Series	Material	Finish
CH2S	A286 Stainless Steel	Passivated ASTM A967

Thread: External 2A, ANSI B1.1 (6g ANSI/ASME B1.13M)

Use in: Materials with HRB-92 or less.



Part Number Structure:

CH2S-440-10



Dimensions & Specifications

INCH (in.)	Thread Size	Thread Code	Length										Sheet Thickness	+0.003 .000	D ±.015	U Max	Min
			±.015 in														
			.250	.312	.375	.500	.625	.750	.875	1.00	1.25	1.50					
	4-40	440	-4	-5	-6	-8	-10	-12	-14	-16			.040-.095	.111	.176	.085	.219
	#6-32	632	-4	-5	-6	-8	-10	-12	-14	-16	-20	-24	.040-.095	.137	.206	.090	.250
	#8-32	832	-4	-5	-6	-8	-10	-12	-14	-16	-20	-24	.040-.095	.163	.237	.090	.281
	#10-32	1032		-5	-6	-8	-10	-12	-14	-16	-20	-24	.062-.170	.189	.256	.100	.281
	1/4-20	420			-6	-8	-10	-12	-14	-16	-20	-24	.062-.170	.249	.337	.135	.312

Dimensions & Specifications

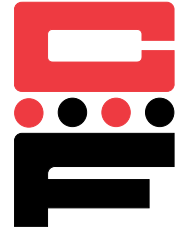
METRIC (mm)	Thread Size	Thread Code	Length ±										Sheet Thickness	+0.08 .00	D ±.4	U Max	Min.
			.4 mm														
			6	8	10	12	15	18	20	25	30	35					
	M3 x 0.5	M3	-6	-8	-10	12	-15	-18	-20	-25			1 - 2.4	3	4.6	2.1	5.6
	M4 x 0.7	M4	-6	-8	-10	12	-15	-18	-20	-25	-30	-35	1 - 2.4	4	5.9	2.4	7.2
	M5 x 0.8	M5		-8	-10	12	-15	-18	-20	-25	-30	-35	1 - 2.4	5	6.5	2.7	7.2
	M6 x 1.0	M6		-8	-10	12	-15	-18	-20	-25	-30	-35	1.6 - 3	6	8.2	3.0	7.9

Note: All items subject to minimum order.




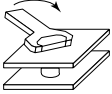
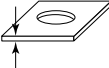



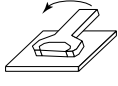

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
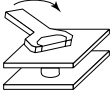
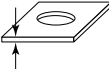



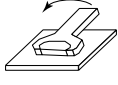

Series CH2S



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Installation & Performance Data

INCH (in.)								
	Thread Code	Max. Nut Tight. Torque (in.-lbs.)	Sheet Thickness & Material	Sheet Hardness HRB Max.	Installation (lbs.)	Pushout (lbs.)	Torque-out (in.-lbs.)	Pull thru (lbs.)
	440	8.1	.045 SS	86	9000	520	10.6	605
	632	16	.045 SS	86	9500	670	19.5	940
	832	28	.045 SS	86	11200	785	37.5	1415
	1032	34	.045 SS	86	12000	800	59.5	1500

METRIC (mm)								
	Thread Code	Max. Nut Tight. Torque (N•m)	Sheet Thickness & Material	Sheet Hardness HRB Max.	Installation (kN)	Pushout (N)	Torque-out (N•m)	Pull thru (N)
	M3 x 0.5	1.3	1.14mm SS	86	40	2500	1.6	3500
	M4 x 0.7	2.9	1.14mm SS	86	50	3000	3.9	6000
	M5 x 0.8	4.4	1.14mm SS	86	53	3560	7.35	7320