

RAUCH

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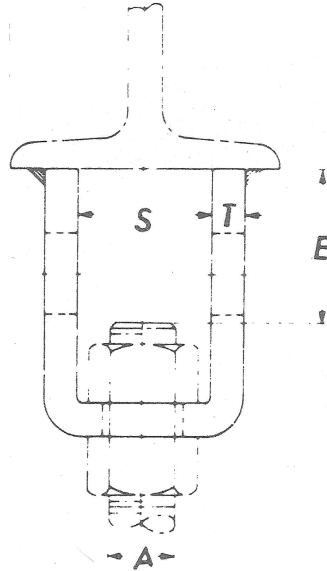
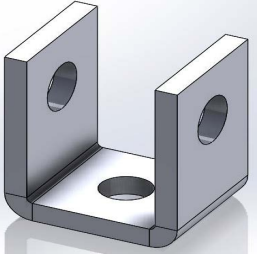


FIGURE 113A WELDING BEAM ATTACHMENT

FIG 113 A

ROD SIZE "A"	BOLT SIZE	ROD TAKE OUT		B	H	R	S	T	WT/C APROX WITHOUT BOLT & NUT	MAX REC'M LOAD, LB.	
		E	E							650° F	750° F
3/8	1/2 x 2 1/2	1 7/8	2	3	9/16	7/8	1 1/4	3/8	215	610	510
1/2	5/8 x 2 3/4	1 3/4	2	3	11/16	7/8	1 1/4	3/8	215	1130	940
5/8	3/4 x 2 3/4	1 3/4	2	3	15/16	1	1 1/4	3/8	215	1810	1510
3/4	7/8 x 3 1/4	1 3/4	2	3	15/16	1 1/8	1 1/2	3/8	230	2710	2260
7/8	1 x 4	2 5/8	3	3	1 1/8	1 1/4	2	1/2	405	3770	3150
1	1 1/8 x 4 1/4	2 3/4	3	4	1 1/4	1 1/2	2	1/2	570	4960	4150
1 1/8	1 1/4 x 4 3/4	2 3/4	3	4	1 3/8	1 3/4	2 1/4	5/8	750	6230	5200
1 1/4	1 3/8 x 5	2 7/8	3	5	1 1/2	2	2 1/2	5/8	1010	8000	6660
1 1/2	1 5/8 x 6	4	4	6	1 3/4	2 1/2	3	3/4	1875	11630	9700
1 3/4	1 7/8 x 7	5	5	6	2	2 3/4	3 3/4	3/4	2240	15700	14000
2	2 1/4 x 7 1/2	5 1/4	5	6	2 3/8	3 1/4	3 3/4	3/4	2280	20700	18460
2 1/4	2 1/2 x 8 1/2	6 1/4	6	6	2 5/8	3 1/2	4 1/4	3/4	2640	27200	24260
2 1/2	2 3/4 x 8 1/2	6 1/4	6	6	2 7/8	3 3/4	4 1/2	3/4	2669	33500	29880

With a minimum safety factor of 5 or the allowable stress in the ASA Code for pressure piping

PROJECT INFORMATION	APPROVED
JOB:	NOTES:
ADDRESS:	
CONTRACTOR:	
ENGINEER:	
DATE:	
APPROVED _____	NOT APPROVED _____ APPROVED AS NOTED _____