

DIMENSION 'S'

SADDLE SPAN (L)	MAX. TEMP. DIFFERENCE TEMP. DIFF. - 1 OPE. TEMP. = 25° C						
	50° C	100° C	150° C	200° C	250° C	300° C	325° C
2000							
3000	10 (45)		20 (45)				
4000					30 (45)		
5000							
6000							
7000							
8000			30 (45)		45 (55)		60 (70)
9000							
10000	20 (45)						75 (85)
12000			45 (55)		60 (70)	75 (85)	
15000						75 (85)	95 (105)

DIMENSION 'S' IN () SHALL BE USED FOR FOUNDATION BOLT TYPE I-b IN VS-20-1

VESSEL STANDARD

STEEL SADDLES FOR HEAT EXCHANGER

VS-15-0

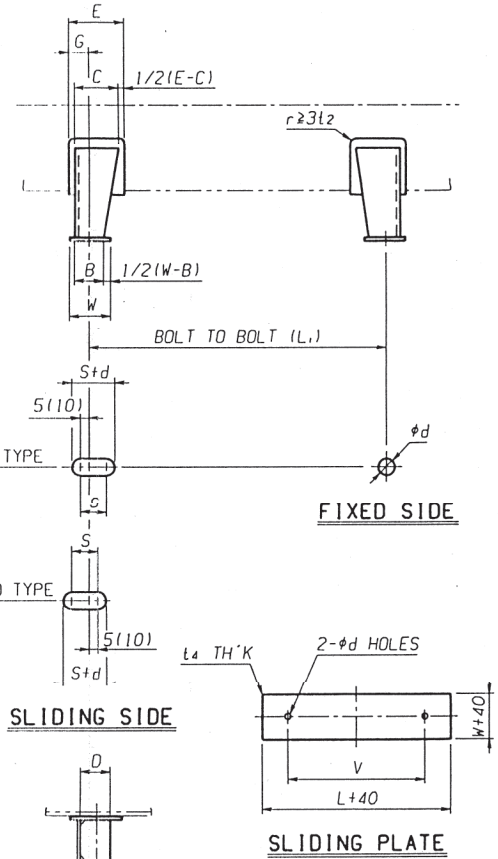
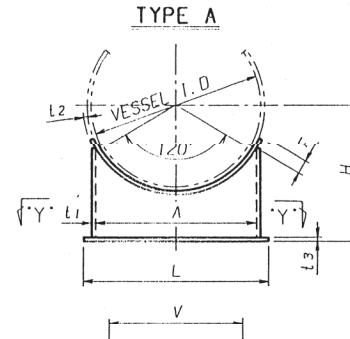
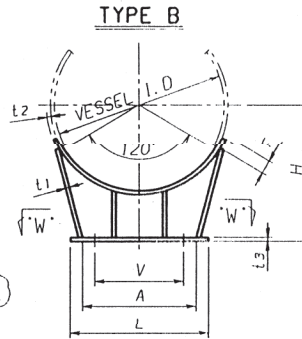


TABLE STEEL SADDLES FOR HEAT EXCHANGER

VESSEL I. D.	SADDLE					SADDLE PAD					BASE PLATE & SLIDING PLATE				BOLT				NO. RIB	MAX. OPE. LOAD (KN)	MAX. HYDRO. TEST LOAD (KN)	SAD TYPE	
	A	B	C	H	l ₁	D	l ₂	E	F	G	L	W	l ₃	l ₄	V	X	NO. REOD	d					BOLT SIZE
200	180	90	160	350	6	0	6	200	30	65	210	110	12	6	100	0	2	19	M16	0	58	358	A
300	270	90	160	400	6	0	6	200	30	65	300	110	12	6	190	0	2	19	M16	0	68	441	A
350	300	90	160	400	6	0	6	200	30	65	330	110	12	6	220	0	2	19	M16	0	68	470	A
400	350	90	160	450	6	0	6	200	30	65	380	110	12	6	270	0	2	19	M16	0	68	470	A
450	390	90	160	450	6	0	6	200	30	65	420	110	12	6	310	0	2	19	M16	0	68	470	A
500	430	100	190	500	9	0	9	250	30	80	490	130	12	6	340	0	2	19	M16	0	127	735	A
550	430	100	190	500	9	0	9	250	30	80	490	130	12	6	340	0	2	19	M16	0	147	735	B
600	430	100	190	550	9	0	9	250	30	80	490	130	12	6	340	0	2	19	M16	0	127	735	B
650	430	120	220	550	9	0	9	280	30	90	490	150	12	6	340	0	2	19	M16	0	205	274	B
700	460	120	220	600	9	0	9	280	30	90	520	150	12	6	370	0	2	19	M16	0	186	804	B
750	460	120	220	600	9	0	9	280	30	90	520	150	12	6	370	0	2	19	M16	0	205	804	B
800	460	120	220	650	9	0	9	280	30	90	520	150	12	6	370	0	2	19	M16	0	186	804	B
850	500	120	220	650	9	111	9	280	30	90	560	150	12	6	410	0	2	19	M16	1	264	990	B
900	500	120	240	700	9	111	9	300	30	90	560	150	12	6	410	0	2	19	M16	1	264	990	B
950	500	120	240	700	9	111	9	300	30	90	560	150	12	6	410	0	2	23	M20	1	304	990	B
1000	510	140	270	750	9	131	9	330	30	100	570	170	12	9	420	0	2	23	M20	1	262	1068	B
1100	560	140	270	800	9	131	9	330	30	100	620	170	12	9	470	0	2	23	M20	1	372	1127	B
1200	610	140	270	850	12	128	12	350	50	110	680	170	16	9	500	0	2	27	M24	1	490	1451	B
1300	720	160	310	900	12	148	12	390	50	120	800	190	16	9	610	0	2	27	M24	1	608	1696	B
1400	720	160	310	950	12	148	12	390	50	120	800	190	16	9	610	0	2	27	M24	1	608	1696	B
1500	860	180	340	1000	12	168	12	420	50	130	940	210	16	9	750	0	2	35	M30	2	970	2226	B
1600	900	180	340	1050	12	168	12	420	50	130	980	210	16	9	790	0	2	35	M30	2	970	2284	B
1700	950	180	340	1100	12	168	12	420	50	130	1030	210	16	9	840	0	2	35	M30	2	970	2353	B
1800	1000	180	340	1150	12	168	12	420	50	130	1080	210	16	9	890	0	2	35	M30	2	970	2422	B
1900	1050	180	370	1200	12	168	12	450	50	130	1130	210	16	9	940	0	2	35	M30	2	970	2471	B
2000	1120	180	370	1250	16	164	16	470	50	140	1230	220	19	9	990	0	2	41	M36	2	1422	3236	B
2200	1210	180	370	1350	16	164	16	470	50	140	1320	220	19	9	1080	0	2	41	M36	2	1422	3393	B
2400	1300	200	420	1450	16	164	16	520	50	150	1420	240	19	9	1180	0	2	47	M42	2	1701	3644	B
2600	1460	200	420	1550	16	184	16	520	50	150	1570	240	19	9	1330	0	2	47	M42	2	1814	3991	B
2800	1620	220	460	1650	19	201	19	560	70	160	1730	260	22	9	1480	0	2	54	M48	2	2569	4942	B
3000	1770	220	480	1750	19	201	19	580	70	160	1880	260	22	12	1640	740	4	54	M48	3	2843	5648	B
3200	1870	220	480	1850	19	201	19	580	70	160	1980	260	22	12	1740	790	4	54	M48	3	2843	5854	B
3400	2000	220	500	1950	19	201	19	600	70	160	2110	260	22	12	1870	860	4	54	M48	3	2843	6119	B
3600	2080	220	500	2050	22	198	22	600	70	160	2210	270	25	12	1940	890	4	54	M48	3	3706	7306	B
3800	2270	250	550	2150	22	228	22	650	70	175	2400	300	25	12	2120	970	4	54	M48	3	4118	7884	B
4000	2380	250	600	2250	22	228	22	700	70	175	2510	300	25	12	2230	1030	4	54	M48	3	4158	8129	B
4200	2490	250	600	2350	22	228	22	700	70	175	2620	300	25	12	2340	1080	4	54	M48	3	4805	8620	B
4400	2700	280	650	2450	22	258	22	750	70	190	2830	330	25	12	2530	1170	4	54	M48	3	5148	9198	B
4600	2810	280	650	2550	22	258	22	750	90	190	2950	330	28	12	2630	1210	4	62	M56	3	6001	10346	B
4800	3220	280	650	2650	22	258	22	750	90	190	3360	330	28	12	3020	1720	4	62	M56	4	7119	12013	B
5000	3260	280	650	2750	22	258	22	750	90	190	3400	330	28	16	3060	1750	4	62	M56	4	7119	12111	B
5200	3790	300	700	2850	22	278	22	800	90	200	3950	350	28	16	3590	2070	4	71	M64	4	8286	13729	B
5400	3840	300	700	2950	22	278	22	800	90	200	4000	350	28	16	3640	2100	4	71	M64	4	8306	13856	B
5600	4700	330	750	3050	25	305	25	850	90	215	4860	380	32	16	4470	2580	4	71	M64	4	9394	18191	B
5800	4750	330	750	3150	25	305	25	850	90	215	4910	380	32	16	4520	2610	4	71	M64	4	9394	18328	B
6000	4800	330	800	3250	25	305	25	900	90	215	4960	380	32	16	4570	2640	4	71	M64	4	9394	18269	B

REMARKS:

1. ALL DIMENSIONS ARE IN MM.
2. FILLET WELD OF SADDLE SHALL BE CONTINUOUS.
3. FOR MATERIAL, SEE ENG'G DWG.
4. MAX. SEISMIC COEFFICIENT FOR HEAT EXCHANGERS SHALL BE 0.2
5. ONE TELL-TALE #6 HOLE SHALL BE PROVIDED AT THE LOWEST POINT OF PAD.