

Tangent SeaTimber (profile-ST-rebar)	Actual Height (in)	Actual Width (in)	Rebar Quantity (ea)	Rebar Size (in)	Flexural Strength (psi)	Flexural Modulus (psi)	Stiffness EI (lb-in ²)	Moment Capacity (kip-ft)	Weight Range (lb/ft)
8x12-ST-0F00	7 1/2	11 5/8	0	N/A	2,620	154,000	5.73E+07	22	31-38
8x12-ST-4F08	7 1/2	11 5/8	4	1	3,720	219,000	8.16E+07	31	32-39
8x12-ST-4F10	7 1/2	11 5/8	4	1 1/4	4,360	290,000	1.08E+08	36	33-40
8x12-ST-4F11	7 1/2	11 5/8	4	1 3/8	4,670	311,000	1.16E+08	39	33-41
8x12-ST-4F12	7 1/2	11 5/8	4	1 1/2	5,140	343,000	1.28E+08	43	34-41
8x12-ST-4F13	7 1/2	11 5/8	4	1 5/8	5,450	379,000	1.41E+08	45	34-42
8x12-ST-4F14	7 1/2	11 5/8	4	1 3/4	5,800	414,000	1.54E+08	48	35-42
12x8-ST-0F00	11 5/8	7 1/2	0	N/A	2,740	161,000	1.40E+08	35	31-38
12x8-ST-4F08	11 5/8	7 1/2	4	1	3,660	242,000	2.10E+08	46	32-39
12x8-ST-4F10	11 5/8	7 1/2	4	1 1/4	4,360	349,000	3.03E+08	55	33-40
12x8-ST-4F11	11 5/8	7 1/2	4	1 3/8	4,860	389,000	3.38E+08	61	33-41
12x8-ST-4F12	11 5/8	7 1/2	4	1 1/2	5,190	433,000	3.77E+08	65	34-41
12x8-ST-4F13	11 5/8	7 1/2	4	1 5/8	5,680	486,000	4.23E+08	72	34-42
12x8-ST-4F14	11 5/8	7 1/2	4	1 3/4	5,850	532,000	4.53E+08	74	35-42
10x10-ST-0F00	9 7/8	9 7/8	0	N/A	2,700	159,000	1.38E+08	34	33-40
10x10-ST-4F08	9 7/8	9 7/8	4	1	6,931	302,418	2.28E+08	89	34-41
10x10-ST-4F10	9 7/8	9 7/8	4	1 1/4	8,754	399,992	3.01E+08	112	34-42
10x10-ST-4F11	9 7/8	9 7/8	4	1 3/8	9,639	505,620	3.81E+08	124	35-42
10x10-ST-4F12	9 7/8	9 7/8	4	1 1/2	10,071*	538,257*	4.05E+08*	129*	35-43
10x10-ST-4F13	9 7/8	9 7/8	4	1 5/8	10,503*	570,894*	4.30E+08*	135*	36-44
10x10-ST-4F14	9 7/8	9 7/8	4	1 3/4	10,935	603,532	4.55E+08	140	37-45
12x12-ST-0F00	11 7/8	11 7/8	0	N/A	2,600	155,000	1.14E+08	57	42-51
12x12-ST-4F08	11 7/8	11 7/8	4	1	5,474	290,200	4.68E+08	125	43-52
12x12-ST-4F10	11 7/8	11 7/8	4	1 1/4	6,327	340,900	5.50E+08	144	44-52
12x12-ST-4F11	11 7/8	11 7/8	4	1 3/8	8,413	386,200	6.23E+08	191	45-53
12x12-ST-4F12	11 7/8	11 7/8	4	1 1/2	9,266	448,200	7.23E+08	211	46-53
12x12-ST-4F13	11 7/8	11 7/8	4	1 5/8	10,000*	516,000	8.32E+08	228*	46-54
12x12-ST-8F08	11 7/8	11 7/8	8	1	8,878	483,800	7.80E+08	202	47-55
12x12-ST-8F10	11 7/8	11 7/8	8	1 1/4	10,364	556,000	8.64E+08	226	48-56
12x12-ST-8F11	11 7/8	11 7/8	8	1 3/8	12,440	715,500	1.11E+09	271	48-56
12x12-ST-8F12	11 7/8	11 7/8	8	1 1/2	13,000	788,600	1.22E+09	283	50-59
12x12-ST-8F13	11 7/8	11 7/8	8	1 5/8	14,800	882,000	1.37E+09	325	52-60

Flexural values are ultimate. Resistance factors (LRFD) or safety factors (ASD) must be applied to these values.

Flexural Modulus is a Secant Modulus at 1% strain per ASTM D790. Some values for intermediate configurations have been interpolated.

* Values are projected based on flexural tests of similar sections

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