

# SEATIMBER® PERFORMANCE DATA



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Seatimber Section	Height		Width		Rebar Quantity	Rebar Size		Yield Strength*		Modulus of Elasticity		Stiffness*		Weight	
	Inch	mm	Inch	mm		Inch	mm	lb/in <sup>2</sup>	MPa	lb/in <sup>2</sup>	Mpa	lb-in <sup>2</sup>	kN-m <sup>2</sup>	lb/ft	kg/m
8x12 0F00	8	203	12	305	0			2620	18.1	154000	1062	6.89E+07	198	31-38	46-57
8x12 4F08	8	203	12	305	4	1	25	3720	25.7	219000	1510	97969650	281	32-39	48-58
8x12 4F10	8	203	12	305	4	1.25	32	4360	30.1	290000	2000	1.30E+08	372	33-40	49-60
8x12 4F11	8	203	12	305	4	1.375	35	4670	32.2	311000	2145	1.39E+08	399	33-41	49-61
8x12 4F12	8	203	12	305	4	1.5	38	5140	35.4	343000	2366	1.53E+08	440	34-41	51-61
8x12 4F13	8	203	12	305	4	1.625	41	5450	37.6	379000	2614	1.7E+08	487	34-42	51-63
8x12 4F14	8	203	12	305	4	1.75	44	5800	40.0	414000	2855	1.85E+08	532	35-42	52-63
12x8 0F00	12	305	8	203	0			2740	18.9	161000	1110	1.60E+08	458	31-38	46-57
12x8 4F08	12	305	8	203	4	1	25	3660	25.2	242000	1669	2.40E+08	689	32-39	48-58
12x8 4F10	12	305	8	203	4	1.25	32	4360	30.1	349000	2407	3.46E+08	994	33-40	49-60
12x8 4F11	12	305	8	203	4	1.375	35	4860	33.5	389000	2683	3.86E+08	1108	33-41	49-61
12x8 4F12	12	305	8	203	4	1.5	38	5190	35.8	433000	2986	4.30E+08	1233	34-41	51-61
12x8 4F13	12	305	8	203	4	1.625	41	5680	39.2	486000	3352	4.82E+08	1384	34-42	51-63
12x8 4F14	12	305	8	203	4	1.75	44	5850	40.3	532000	3669	5.28E+08	1515	35-42	52-63
10x10 0F00	10	254	10	254	0			2700	18.6	159000	1097	1.58E+08	453	33-40	49-60
10x10 4F08	10	254	10	254	4	1	25	4610	31.8	278000	1917	2.76E+08	792	34-41	51-61
10x10 4F10	10	254	10	254	4	1.25	32	6140	42.3	351000	2421	2.72E+08	780	34-42	51-63
10x10 4F11	10	254	10	254	4	1.375	35	6960	48.0	398000	2745	3.08E+08	885	35-42	52-63
10x10 4F12	10	254	10	254	4	1.5	38	8280	57.1	460000	3172	3.56E+08	1022	35-43	52-64
10x10 4F13	10	254	10	254	4	1.625	41	8810	60.8	503000	3469	3.89E+08	1118	36-44	54-66
10x10 4F14	10	254	10	254	4	1.75	44	9790	67.5	560000	3862	4.34E+08	1245	37-45	55-67
12x12 0F00	12	305	12	305	0			2600	17.9	155000	1069	2.51E+08	722	42-51	63-76
12x12 4F08	12	305	12	305	4	1	25	4410	30.4	252000	1738	4.09E+08	1173	43-52	64-77
12x12 4F10	12	305	12	305	4	1.25	32	5310	36.6	295000	2034	4.78E+08	1373	44-52	66-77
12x12 4F11	12	305	12	305	4	1.375	35	6020	41.5	334000	2303	5.42E+08	1555	45-53	67-79
12x12 4F12	12	305	12	305	4	1.5	38	6740	46.5	375000	2586	6.08E+08	1746	46-53	69-79
12x12 4F13	12	305	12	305	4	1.625	41	7110	49.0	406000	2800	6.58E+08	1890	46-54	69-80