

<p>Table 1</p> <p style="text-align: center;">Gross Section Properties</p> <p style="text-align: center;">LiteSteel beam</p>																				
ID	Dimensions								Properties of Full Section											
	d	b	d _f	t	R _O	R _{iw}	Area	wt/ft	Axis x-x			Axis y-y				m	G J _F	J	C _w	
									I _x	S _x	r _x	I _y	S _{yL}	S _{yR}	r _y					
	in	in	in	in	in	in	in ²	lb	in ⁴	in ³	in	in ⁴	in ³	in ³	in	in	k in ²	in ⁴	in ⁶	
1400LSB350-134	13.8	3.50	1.18	0.134	0.201	0.118	3.84	13.07	108.8	15.79	5.32	5.74	5.33	2.37	1.22	1.35	8673	1.544	168.1	
1400LSB350-118	13.8	3.50	1.18	0.118	0.177	0.118	3.41	11.59	96.8	14.05	5.33	5.17	4.79	2.13	1.23	1.36	7892	1.403	151.3	
1400LSB350-98	13.8	3.50	1.18	0.098	0.148	0.118	2.86	9.73	81.5	11.83	5.34	4.41	4.08	1.82	1.24	1.37	6831	1.213	129.2	
1200LSB350-134	11.8	3.50	1.18	0.134	0.201	0.118	3.58	12.17	75.2	12.73	4.59	5.45	4.73	2.32	1.24	1.38	8673	1.543	116.9	
1200LSB350-118	11.8	3.50	1.18	0.118	0.177	0.118	3.18	10.80	66.9	11.33	4.59	4.91	4.25	2.09	1.24	1.39	7892	1.402	105.2	
1200LSB350-98	11.8	3.50	1.18	0.098	0.148	0.118	2.67	9.07	56.4	9.55	4.60	4.19	3.62	1.79	1.25	1.39	6831	1.212	89.9	
1000LSB300-118	9.8	2.95	0.98	0.118	0.177	0.118	2.64	8.97	38.5	7.83	3.82	2.84	2.91	1.43	1.04	1.16	4421	0.787	42.2	
1000LSB300-98	9.8	2.95	0.98	0.098	0.148	0.118	2.22	7.54	32.5	6.61	3.83	2.43	2.49	1.23	1.05	1.17	3861	0.686	36.2	
1000LSB300-79	9.8	2.95	0.98	0.079	0.118	0.118	1.79	6.09	26.3	5.35	3.84	2.00	2.05	1.02	1.06	1.18	3231	0.573	29.9	
800LSB250-98	7.9	2.36	0.79	0.098	0.148	0.118	1.75	5.96	16.4	4.16	3.06	1.20	1.54	0.76	0.83	0.93	1865	0.332	11.4	
800LSB250-79	7.9	2.36	0.79	0.079	0.118	0.118	1.42	4.82	13.3	3.38	3.06	1.00	1.27	0.63	0.84	0.94	1582	0.281	9.5	
800LSB250-59	7.9	2.36	0.79	0.059	0.089	0.118	1.08	3.67	10.2	2.58	3.07	0.78	0.99	0.49	0.85	0.94	1257	0.223	7.4	

US 50ksi steel

04-Nov-08