

Table 3															
<b>Web Crippling Strength</b>															
<b>LiteSteel beam</b>															
<b>Single Load or Reaction - End and Interior</b>															
ID	Wt. per ft.	1.5 h in	Design Web Crippling Strength $\phi_w P_n$ (kips)												Design Flexural Strength $\phi_b M_{nx}$ kip ft
			End Load $c < 1.5 h$ Bearing Length N (in)						Interior Load $c \geq 1.5 h$ Bearing Length N (in)						
			1	2	3	4	6	8	1	2	3	4	6	8	
1400LSB350-134	13.07	16.8	7.2	8.0	8.5	9.0	9.8	10.6	14.2	15.5	16.0	16.5	17.3	18.1	73.6
1400LSB350-118	11.59	16.8	5.8	6.3	6.7	7.1	7.8	8.4	11.2	12.2	12.6	12.9	13.6	14.3	63.5
1400LSB350-98	9.73	16.8	4.2	4.5	4.8	5.1	5.6	6.1	8.0	8.5	8.8	9.1	9.6	10.1	50.1
1200LSB350-134	12.17	13.8	7.2	8.1	8.7	9.2	10.0	10.8	14.2	15.7	16.2	16.6	17.5	18.3	60.5
1200LSB350-118	10.80	13.8	5.8	6.5	6.9	7.3	8.0	8.6	11.2	12.3	12.7	13.1	13.8	14.4	53.8
1200LSB350-98	9.07	13.8	4.2	4.6	4.9	5.2	5.7	6.2	8.0	8.6	8.9	9.2	9.7	10.2	42.7
1000LSB300-118	8.97	11.5	5.8	6.3	6.8	7.2	8.0	8.6	11.3	12.0	12.4	12.8	13.6	14.2	37.2
1000LSB300-98	7.54	11.5	4.2	4.5	4.9	5.2	5.7	6.2	8.0	8.4	8.7	9.0	9.6	10.1	31.4
1000LSB300-79	6.09	11.5	2.7	3.0	3.2	3.4	3.8	4.2	5.2	5.4	5.6	5.8	6.2	6.6	23.6
800LSB250-98	5.96	9.1	4.0	4.5	4.8	5.2	5.7	6.3	7.8	8.2	8.5	8.8	9.4	9.9	19.7
800LSB250-79	4.82	9.1	2.7	2.9	3.2	3.4	3.8	4.2	5.0	5.3	5.5	5.7	6.1	6.5	16.1
800LSB250-59	3.67	9.1	1.6	1.7	1.9	2.0	2.3	2.5	2.8	3.0	3.1	3.3	3.5	3.7	11.1

US 50ksi steel

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