



Section Properties

(Per Foot of Width)

Base Steel Thickness (in.)	Weight G90 (psf)	Yield Stress (ksi)	Section Modulus		Deflection Moment of Inertia Mid Span (in ⁴)	Mr (lb in)		Specified Web Crippling Data (lb)			
			Mid Span (in ³)	Support (in ³)		Mid Span	Support	Pe1	Pe2	Pi1	Pi2
0.0180	0.92	33	0.0432	0.0432	0.0137	1281.6	1281.6	146.6	36.32	292.6	50.02
0.0240	1.22	33	0.0616	0.0616	0.0181	1828.5	1828.5	269.3	67.15	533.1	90.45
0.0300	1.53	33	0.0759	0.0759	0.0226	2253.9	2253.9	430.3	107.6	846.2	143.9

Load Table

Live Load Factor = 1.5; Importance Factor (I_{s-sls}) = 0.90; Importance Factor (I_{s-uls}) = 1.0

Maximum Specified Uniformly Distributed Loads in psf

Span (ft.)		1-Span Base Steel Thickness (in.)				2-Span Base Steel Thickness (in.)				3-Span Base Steel Thickness (in.)			
		0.0180	0.0240	0.0300		0.0180	0.0240	0.0300		0.0180	0.0240	0.0300	
2'-0"	S	142	203	250		142	203	250		178	254	313	
	D	124	165	205		311	413	514		235	311	387	
2'-3"	S	113	161	198		113	161	198		141	201	247	
	D	87	116	144		219	290	361		165	218	272	
2'-6"	S	91	130	160		91	130	160		114	163	200	
	D	64	84	105		159	211	263		120	159	198	
2'-9"	S	75	107	132		75	107	132		94	134	166	
	D	48	63	79		120	159	198		90	120	149	
3'-0"	S	63	90	111		63	90	111		79	113	139	
	D	37	49	61		92	122	152		70	92	115	
3'-3"	S	54	77	95		54	77	95		67	96	119	
	D	29	38	48		73	96	120		55	72	90	
3'-6"	S	46	66	82		46	66	82		58	83	102	
	D	23	31	38		58	77	96		44	58	72	
3'-9"	S	41	58	71		41	58	71		51	72	89	
	D	19	25	31		47	63	78		36	47	59	
4'-0"	S	36	51	63		36	51	63		45	63	78	
	D	16	21	26		39	52	64		29	39	48	
4'-3"	S	32	45	55		32	45	55		39	56	69	
	D	13	17	21		32	43	54		24	32	40	
4'-6"	S	28	40	49		28	40	49		35	50	62	
	D	11	14	18		27	36	45		21	27	34	
4'-9"	S	25	36	44		25	36	44		32	45	55	
	D	9	12	15		23	31	38		18	23	29	
5'-0"	S	23	33	40		23	33	40		28	41	50	
	D	8	11	13		20	26	33		15	20	25	
5'-3"	S	21	29	36		21	29	36		26	37	45	
	D	7	9	11		17	23	28		13	17	21	
5'-6"	S	19	27	33		19	27	33		24	34	41	
	D	6	8	10		15	20	25		11	15	19	

Notes:

1. Steel conforms to ASTM A653.
2. Section properties are in accordance with CSA-S136-07.
3. Values in row "S" are based on strength.
4. Values in row "D" are based on a deflection limit of 1/240 of the span.
5. Web crippling not included in strength values. See example calculation in notes to designer.
6. Contact the sales department for stocked colours and gauges.
7. The load table contained on this data sheet was prepared by XRS Engineered Solutions Inc., Burlington, Ontario, Canada.

