



**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 <sup>4</sup> )	Specified Web Crippling Data (lb)			
			Mid Span (in <sup>3</sup> )	Support (in <sup>3</sup> )		End Pe1	End Pe2	Interior Pi1	Interior Pi2
0.0120	0.64	33	0.0202	0.0221	0.0098	25.5	6.38	50.8	8.63
0.0135	0.71	80	0.0208	0.0232	0.0102	62.7	15.7	124	21.1
0.0180	0.93	33	0.0361	0.0381	0.0182	61.7	15.4	121	20.6
0.0240	1.22	33	0.0498	0.0550	0.0268	114	28.6	223	38.0

Live Load Factor = 1.5; Importance Factor (I<sub>W-SLS</sub>) = 0.90; Importance Factor (I<sub>W-ULS</sub>) = 0.80

**Load Table**

Maximum Specified Uniformly Distributed Loads in psf

Span (in.)		1-Span Base Steel Thickness (in.)				2-Span Base Steel Thickness (in.)				3-Span Base Steel Thickness (in.)			
		0.0120	0.0135	0.0180	0.0240	0.0120	0.0135	0.0180	0.0240	0.0120	0.0135	0.0180	0.0240
16	S	188	367	335	463	205	409	354	510	257	511	442	638
	D	400	418	743	1097	961	1004	1784	2632	757	791	1405	2073
20	S	120	235	215	296	131	262	226	327	164	327	283	408
	D	205	214	380	562	492	514	913	1348	387	405	719	1061
24	S	84	163	149	206	91	182	157	227	114	227	196	284
	D	119	124	220	325	285	298	528	780	224	234	416	614
30	S	53	104	95	132	58	116	101	145	73	145	126	182
	D	61	63	113	166	146	152	271	399	115	120	213	314
36	S	37	72	66	91	41	81	70	101	51	101	87	126
	D	35	37	65	96	84	88	157	231	66	69	123	182
42	S	27	53	49	67	30	59	51	74	37	74	64	93
	D	22	23	41	61	53	56	99	146	42	44	78	115
48	S	21	41	37	51	23	45	39	57	29	57	49	71
	D	15	15	28	41	36	37	66	97	28	29	52	77
54	S	16	32	29	41	18	36	31	45	23	45	39	56
	D	10	11	19	29	25	26	46	68	20	21	37	54
60	S			24	33	15	29	25	36	18	36	31	45
	D			14	21	18	19	34	50	14	15	27	39
66	S			20	27	12	24	21	30	15	30	26	38
	D			11	16	14	14	25	38	11	11	20	30
72	S				23	10	20	17	25			22	32
	D				12	11	11	20	29			15	23
78	S							15	21			19	27
	D							15	23			12	18
84	S							13	19				23
	D							12	18				14

**Notes:**

- Steel conforms to ASTM A653.
- Section properties are in accordance with CSA-S136-07.
- Values in row "S" are based on strength.
- Values in row "D" are based on a deflection limit of 1/180 of the span.
- Web crippling not included in strength values. See example calculation in notes to designer.
- Contact the sales department for stocked colours and gauges.
- The load table contained on this data sheet was prepared by Dr. R.M. Schuster P.Eng. Professor Emeritus of Structural Engineering, University of Waterloo, Ontario, Canada.

