

The load tables mentioned above do not necessarily represent the product availability. Please refer to the product catalogue.

**SECTION PROPERTIES (PER FOOT OF WIDTH)**

<b>IMPERIAL</b>	<b>Base Steel Thickness (in.)</b>	<b>Weight G90 (psf)</b>	<b>Yield Stress (ksi)</b>	<b>Sec. Modulus</b>		<b>Deflection Moment of Inertia (in<sup>4</sup>)</b>	<b>Specified Web Crippling Data</b>			
							<b>P<sub>e1</sub> End (lb)</b>	<b>P<sub>e2</sub> End (lb)</b>	<b>P<sub>i1</sub> Interior (lb)</b>	<b>P<sub>i2</sub> Interior (lb)</b>
				<b>Midspan</b>	<b>Support</b>					
				<b>(in<sup>3</sup>)</b>	<b>(in<sup>3</sup>)</b>					
0.018	0.93	33	0.0386	0.0320	0.0462	21.6	5.39	41.7	7.09	
0.024	1.22	33	0.0538	0.0444	0.0615	40.5	10.1	78.1	13.3	
0.030	1.51	33	0.0669	0.0572	0.0767	65.7	16.4	126	21.5	
0.036	1.80	33	0.0799	0.0702	0.0919	97.2	24.3	186	31.7	
0.048	2.38	33	0.106	0.0967	0.122	179	44.8	343	58.3	

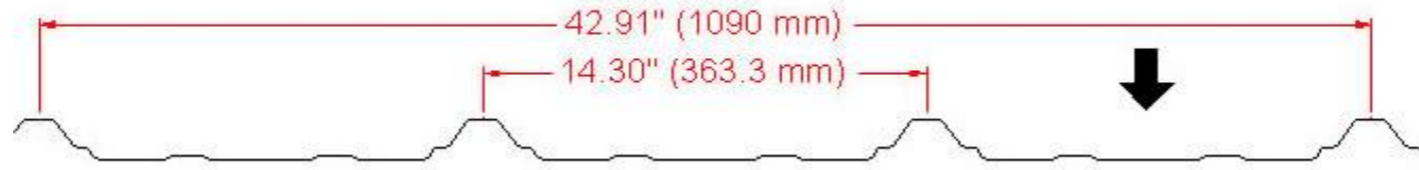
Live load factor = 1.5; Importance factor = 0.90; Importance Category = 1.0

**MAXIMUM UNIFORMLY DISTRIBUTED SPECIFIED LOAD (PSF)**

<b>SPAN LENGTH (in.)</b>		<b>1-SPAN</b>					<b>2-SPAN</b>					<b>3-SPAN</b>				
		<b>BASE STEEL THICKNESS (inches)</b>					<b>BASE STEEL THICKNESS (inches)</b>					<b>BASE STEEL THICKNESS (inches)</b>				
		<b>0.018</b>	<b>0.024</b>	<b>0.030</b>	<b>0.036</b>	<b>0.048</b>	<b>0.018</b>	<b>0.024</b>	<b>0.030</b>	<b>0.036</b>	<b>0.048</b>	<b>0.018</b>	<b>0.024</b>	<b>0.030</b>	<b>0.036</b>	<b>0.048</b>
<b>24</b>	S	127	177	221	264	349	106	146	189	232	319	132	183	236	290	399
	D	560	745	930	1114	1480	1343	1788	2231	2673	3552	1058	1408	1757	2105	2797
<b>30</b>	S	81	114	141	169	223	68	94	121	148	204	85	117	151	185	255
	D	287	381	476	570	758	688	915	1142	1369	1819	542	721	900	1078	1432
<b>36</b>	S	57	79	98	117	155	47	65	84	103	142	59	81	105	129	177
	D	166	221	275	330	439	398	530	661	792	1053	313	417	521	624	829
<b>42</b>	S	42	58	72	86	114	34	48	62	76	104	43	60	77	95	130
	D	104	139	173	208	276	251	334	416	499	663	197	263	328	393	522
<b>48</b>	S	32	44	55	66	87	26	37	47	58	80	33	46	59	72	100
	D	70	93	116	139	185	168	223	279	334	444	132	176	220	263	350
<b>54</b>	S	25	35	44	52	69	21	29	37	46	63	26	36	47	57	79
	D	49	65	82	98	130	118	157	196	235	312	93	124	154	185	246
<b>60</b>	S	20	28	35	42	56	17	23	30	37	51	21	29	38	46	64
	D	36	48	59	71	95	86	114	143	171	227	68	90	112	135	179
<b>66.0</b>	S	17	23	29	35	46	14	19	25	31	42	17	24	31	38	53
	D	27	36	45	54	71	65	86	107	129	171	51	68	84	101	135
<b>72.0</b>	S	14	20	25	29	39	12	16	21	26	35	15	20	26	32	44
	D	21	28	34	41	55	50	66	83	99	132	39	52	65	78	104
<b>78.0</b>	S	12	17	21	25	33	10	14	18	22	30	13	17	22	27	38
	D	16	22	27	32	43	39	52	65	78	103	31	41	51	61	81
<b>84.0</b>	S	10	14	18	22	28	9	12	15	19	26	11	15	19	24	33
	D	13	17	22	26	35	31	42	52	62	83	25	33	41	49	65

- Notes:**
- 1 Based on ASTM A 653 Grade 33 structural steel.
  - 2 Values in row "S" are based on strength.
  - 3 Values in row "D" are based on deflection of 1/180th span.
  - 4 Web crippling not included in strength calculations. See Example.
- Limit States Design principles were used in accordance with CSA Standard S136-07





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**SECTION PROPERTIES (PER METRE OF WIDTH)**

METRIC	Base Steel Thickness (mm)	Mass Z275 (kg/m <sup>2</sup> )	Yield Stress (MPa)	Sec. Modulus		Deflection Moment of Inertia (x10 <sup>6</sup> mm <sup>4</sup> )	Specified Web Crippling Data			
				Midspan	Support		P <sub>e1</sub> End (kN)	P <sub>e2</sub> End (kN)	P <sub>i1</sub> Interior (kN)	P <sub>i2</sub> Interior (kN)
				(x10 <sup>3</sup> mm <sup>3</sup> )	(x10 <sup>3</sup> mm <sup>3</sup> )					
	0.457	4.53	230	2.07	1.72	0.0631	0.318	0.080	0.615	0.105
	0.610	5.95	230	2.89	2.38	0.0840	0.598	0.149	1.15	0.196
	0.762	7.37	230	3.60	3.07	0.105	0.969	0.242	1.86	0.317
	0.914	8.79	230	4.30	3.77	0.126	1.43	0.358	2.75	0.467
	1.22	11.6	230	5.68	5.19	0.167	2.64	0.661	5.06	0.859

Live load factor = 1.5; Importance factor = 0.90; Importance Category = 1.0

**MAXIMUM UNIFORMLY DISTRIBUTED SPECIFIED LOAD (kPa)**

SPAN LENGTH (mm)		1-SPAN					2-SPAN					3-SPAN				
		BASE STEEL THICKNESS (mm)					BASE STEEL THICKNESS (mm)					BASE STEEL THICKNESS (mm)				
		0.457	0.610	0.762	0.914	1.22	0.457	0.610	0.762	0.914	1.22	0.457	0.610	0.762	0.914	1.22
600	S	6.35	8.86	11.0	13.2	17.4	5.27	7.31	9.42	11.6	15.9	6.59	9.14	11.8	14.5	19.9
	D	28.1	37.4	46.7	55.9	74.3	67.4	89.8	112	134	178	53.1	70.7	88.2	106	140
800	S	3.57	4.99	6.20	7.41	9.80	2.97	4.11	5.30	6.51	8.96	3.71	5.14	6.62	8.13	11.2
	D	11.9	15.8	19.7	23.6	31.4	28.5	37.9	47.3	56.6	75.3	22.4	29.8	37.2	44.6	59.3
1000	S	2.29	3.19	3.97	4.74	6.27	1.90	2.63	3.39	4.16	5.73	2.37	3.29	4.24	5.20	7.17
	D	6.07	8.08	10.1	12.1	16.1	14.6	19.4	24.2	29.0	38.5	11.5	15.3	19.1	22.8	30.3
1200	S	1.59	2.22	2.76	3.29	4.35	1.32	1.83	2.35	2.89	3.98	1.65	2.28	2.94	3.61	4.98
	D	3.51	4.68	5.84	6.99	9.29	8.43	11.2	14.0	16.8	22.3	6.64	8.84	11.0	13.2	17.6
1400	S	1.17	1.63	2.03	2.42	3.20	0.97	1.34	1.73	2.12	2.92	1.21	1.68	2.16	2.66	3.66
	D	2.21	2.94	3.67	4.40	5.85	5.31	7.07	8.82	10.6	14.0	4.18	5.57	6.95	8.32	11.1
1500	S	1.02	1.42	1.76	2.11	2.79	0.84	1.17	1.51	1.85	2.55	1.05	1.46	1.88	2.31	3.18
	D	1.80	2.39	2.99	3.58	4.76	4.32	5.75	7.17	8.59	11.4	3.40	4.52	5.65	6.77	8.99
1600	S	0.89	1.25	1.55	1.85	2.45	0.74	1.03	1.32	1.63	2.24	0.93	1.28	1.66	2.03	2.80
	D	1.48	1.97	2.46	2.95	3.92	3.56	4.73	5.91	7.08	9.41	2.80	3.73	4.65	5.57	7.41
1800	S	0.71	0.98	1.23	1.46	1.93	0.59	0.81	1.05	1.29	1.77	0.73	1.02	1.31	1.61	2.21
	D	1.04	1.39	1.73	2.07	2.75	2.50	3.33	4.15	4.97	6.61	1.97	2.62	3.27	3.91	5.20
2000	S	0.57	0.80	0.99	1.19	1.57	0.47	0.66	0.85	1.04	1.43	0.59	0.82	1.06	1.30	1.79
	D	0.76	1.01	1.26	1.51	2.01	1.82	2.42	3.03	3.62	4.82	1.43	1.91	2.38	2.85	3.79
2200	S	0.47	0.66	0.82	0.98	1.30	0.39	0.54	0.70	0.86	1.18	0.49	0.68	0.88	1.08	1.48
	D	0.57	0.76	0.95	1.13	1.51	1.37	1.82	2.27	2.72	3.62	1.08	1.43	1.79	2.14	2.85

- Notes:**
- 1 Based on ASTM A 653M Grade 230 structural steel.
  - 2 Values in row "S" are based on strength.
  - 3 Values in row "D" are based on deflection of 1/180th span.
  - 4 Web crippling not included in strength calculations. See Example.
- Limit States Design principles were used in accordance with CSA Standard S136-07

