

↓ Arrow indicates the colour side

Groove optional

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

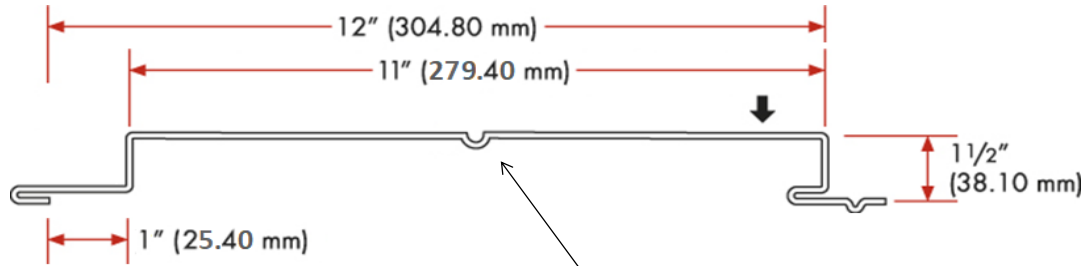
<b>IMPERIAL</b>	Base Steel Thickness (in.)	Weight G90 (psf)	Yield Stress (ksi)	Sec. Modulus		Deflection Moment of Inertia (in <sup>4</sup> )	Specified Web Crippling Data			
				Midspan	Support		P <sub>e1</sub> End (lb)	P <sub>e2</sub> End (lb)	P <sub>i1</sub> Interior (lb)	P <sub>i2</sub> Interior (lb)
				(in <sup>3</sup> )	(in <sup>3</sup> )					
	0.024	1.49	33	0.0704	0.126	0.0864	133	33.3	244	41.5
	0.030	1.84	33	0.0989	0.162	0.118	215	53.6	394	67.0
	0.036	2.20	33	0.131	0.192	0.150	316	79.0	582	98.9
	0.048	2.92	33	0.207	0.249	0.216	579	145	1070	182

Live Load Factor = 1.4; Importance Factor = 0.75; Importance Category = 1.00

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

SPAN LENGTH (ft)		1-SPAN				2-SPAN				3-SPAN			
		BASE STEEL THICKNESS (in.)				BASE STEEL THICKNESS (in.)				BASE STEEL THICKNESS (in.)			
		0.024	0.030	0.036	0.048	0.024	0.030	0.036	0.048	0.024	0.030	0.036	0.048
4.0	S	62	87	116	183	111	143	170	220	97	137	181	275
	D	157	214	273	393	377	513	654	944	297	404	515	743
4.5	S	49	69	92	145	88	113	134	174	77	108	143	217
	D	110	150	191	276	265	360	460	663	208	283	362	522
5.0	S	40	56	74	117	71	91	109	141	62	87	116	176
	D	80	109	140	201	193	262	335	483	152	207	264	381
5.5	S	33	46	61	97	59	76	90	116	51	72	96	145
	D	60	82	105	151	145	197	252	363	114	155	198	286
6.0	S	28	39	52	81	49	63	75	98	43	61	81	122
	D	47	63	81	117	112	152	194	280	88	120	153	220
6.5	S	24	33	44	69	42	54	64	83	37	52	69	104
	D	37	50	64	92	88	119	152	220	69	94	120	173
7.0	S	20	29	38	60	36	47	55	72	32	45	59	90
	D	29	40	51	73	70	96	122	176	55	75	96	139
7.5	S	18	25	33	52	32	41	48	63	28	39	52	78
	D	24	32	41	60	57	78	99	143	45	61	78	113
8.0	S	16	22	29	46	28	36	42	55	24	34	45	69
	D	20	27	34	49	47	64	82	118	37	50	64	93
8.5	S	14	19	26	41	25	32	38	49	22	30	40	61
	D	16	22	28	41	39	53	68	98	31	42	54	77
9.0	S	12	17	23	36	22	28	34	43	19	27	36	54
	D	14	19	24	35	33	45	57	83	26	35	45	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.
  - 5 Limit States Design principles were used in accordance with CSA Standard S136-16.
  - 6 The load tables shown do not necessarily represent the product availability. Please refer to the product catalogue at [duchesne.ca](http://duchesne.ca) or one of Duchesne representatives.



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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> )					
	0.610	7.25	230	3.78	6.79	0.118	1.96	0.491	3.60	0.611
	0.762	8.99	230	5.32	8.68	0.161	3.16	0.790	5.81	0.988
	0.914	10.7	230	7.06	10.3	0.205	4.66	1.16	8.58	1.46
	1.22	14.2	230	11.1	13.4	0.296	8.54	2.13	15.8	2.68

Live Load Factor = 1.4; Importance Factor = 0.75; Importance Category = 1.00

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

SPAN LENGTH (m)		1-SPAN				2-SPAN				3-SPAN			
		BASE STEEL THICKNESS (mm)				BASE STEEL THICKNESS (mm)				BASE STEEL THICKNESS (mm)			
		0.610	0.762	0.914	1.22	0.610	0.762	0.914	1.22	0.610	0.762	0.914	1.22
1.2	S	3.11	4.37	5.80	9.15	5.55	7.13	8.47	11.0	4.86	6.82	9.06	13.7
	D	7.89	10.7	13.7	19.8	18.9	25.7	32.9	47.4	14.9	20.3	25.9	37.3
1.4	S	2.28	3.21	4.26	6.72	4.08	5.24	6.23	8.07	3.57	5.01	6.66	10.1
	D	4.97	6.75	8.62	12.4	11.9	16.2	20.7	29.9	9.39	12.8	16.3	23.5
1.5	S	1.99	2.80	3.71	5.85	3.55	4.56	5.42	7.03	3.11	4.37	5.80	8.79
	D	4.04	5.49	7.01	10.1	9.69	13.2	16.8	24.3	7.63	10.4	13.3	19.1
1.6	S	1.75	2.46	3.26	5.14	3.12	4.01	4.77	6.18	2.73	3.84	5.10	7.73
	D	3.33	4.52	5.78	8.33	7.98	10.9	13.9	20.0	6.29	8.55	10.9	15.8
1.8	S	1.38	1.94	2.58	4.06	2.47	3.17	3.77	4.88	2.16	3.03	4.03	6.10
	D	2.34	3.18	4.06	5.85	5.61	7.63	9.73	14.0	4.42	6.01	7.67	11.1
2.0	S	1.12	1.57	2.09	3.29	2.00	2.57	3.05	3.96	1.75	2.46	3.26	4.94
	D	1.70	2.32	2.96	4.27	4.09	5.56	7.10	10.2	3.22	4.38	5.59	8.06
2.2	S	0.93	1.30	1.73	2.72	1.65	2.12	2.52	3.27	1.45	2.03	2.70	4.09
	D	1.28	1.74	2.22	3.21	3.07	4.18	5.33	7.69	2.42	3.29	4.20	6.06
2.4	S	0.78	1.09	1.45	2.29	1.39	1.78	2.12	2.75	1.21	1.71	2.27	3.43
	D	0.99	1.34	1.71	2.47	2.37	3.22	4.11	5.92	1.86	2.53	3.23	4.67
2.5	S	0.72	1.01	1.34	2.11	1.28	1.64	1.95	2.53	1.12	1.57	2.09	3.16
	D	0.87	1.19	1.51	2.18	2.09	2.85	3.63	5.24	1.65	2.24	2.86	4.13
2.6	S	0.66	0.93	1.24	1.95	1.18	1.52	1.81	2.34	1.03	1.45	1.93	2.93
	D	0.78	1.05	1.35	1.94	1.86	2.53	3.23	4.66	1.47	1.99	2.54	3.67
2.8	S	0.57	0.80	1.07	1.68	1.02	1.31	1.56	2.02	0.89	1.25	1.66	2.52
	D	0.62	0.84	1.08	1.55	1.49	2.03	2.59	3.73	1.17	1.60	2.04	2.94

- 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.
  - 5 Limit States Design principles were used in accordance with CSA Standard S136-16.
  - 6 The load tables shown do not necessarily represent the product availability. Please refer to the product catalogue at [duchesne.ca](http://duchesne.ca) or one of Duchesne representatives.