

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

SECTION PROPERTIES (PER FOOT OF WIDTH)

IMPERIAL	Base Steel Thickness (in.)	Weight G90 (psf)	Yield Stress (ksi)	Sec. Modulus		Deflection Moment of Inertia (in ⁴)	Specified Web Crippling Data			
				Midspan	Support		P _{e1} End (lb)	P _{e2} End (lb)	P _{i1} Interior (lb)	P _{i2} Interior (lb)
				(in ³)	(in ³)					
	0.024	1.48	33	0.0644	0.102	0.0591	121	30.2	220	37.4
	0.030	1.84	33	0.0907	0.127	0.0801	195	48.8	356	60.6
	0.036	2.19	33	0.121	0.152	0.105	288	72.0	527	89.6
	0.048	2.90	33	0.176	0.202	0.160	529	132	973	165

Live load factor = 1.4; Importance factor = 0.75; Importance Category = 1.0

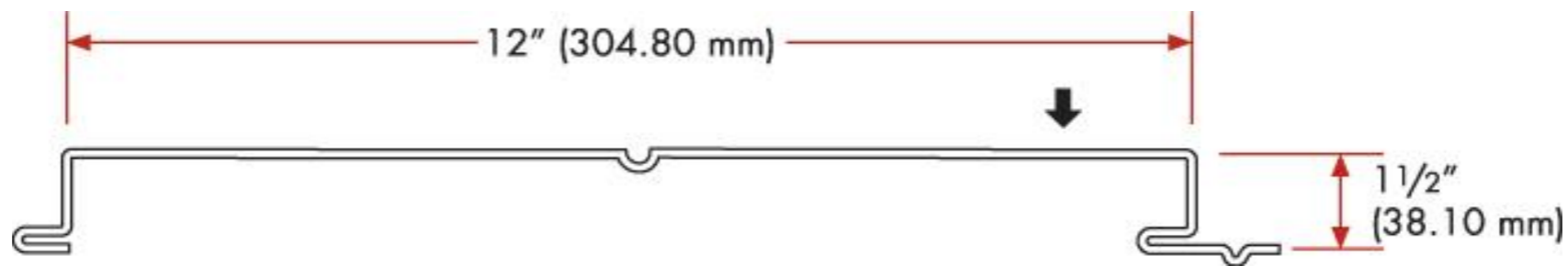
MAXIMUM UNIFORMLY DISTRIBUTED SPECIFIED LOADS (PSF)

SPAN LENGTH (ft)		1-SPAN				2-SPAN				3-SPAN			
		BASE STEEL THICKNESS (inches)				BASE STEEL THICKNESS (inches)				BASE STEEL THICKNESS (inches)			
		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	57	80	107	156	74*	112*	135	178	84*	125	167	223
	D	107	146	190	290	258	349	456	697	203	275	359	549
4.5	S	45	63	84	123	65*	89	106	141	70	99	132	176
	D	75	102	133	204	181	245	320	490	143	193	252	385
5.0	S	36	51	68	100	58	72	86	114	57	80	107	143
	D	55	75	97	149	132	179	233	357	104	141	184	281
5.5	S	30	42	56	82	48	60	71	94	47	66	88	118
	D	41	56	73	112	99	134	175	268	78	106	138	211
6.0	S	25	36	47	69	40	50	60	79	40	56	74	99
	D	32	43	56	86	76	103	135	207	60	81	106	163
6.5	S	22	30	40	59	34	43	51	68	34	47	63	84
	D	25	34	44	68	60	81	106	162	47	64	84	128
7.0	S	19	26	35	51	30	37	44	58	29	41	54	73
	D	20	27	35	54	48	65	85	130	38	51	67	102
7.5	S	16	23	30	44	26	32	38	51	25	36	47	63
	D	16	22	29	44	39	53	69	106	31	42	54	83
8.0	S	14	20	27	39	23	28	34	45	22	31	42	56
	D	13	18	24	36	32	44	57	87	25	34	45	69
8.5	S	13	18	24	35	20	25	30	39	20	28	37	49
	D	11	15	20	30	27	36	48	73	21	29	37	57
9.0	S	11	16	21	31	18	22	27	35	18	25	33	44
	D	9	13	17	25	23	31	40	61	18	24	32	48

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 * Controlled by web crippling for 1.5 in. bearing length.
- 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 ²)	Yield Stress (MPa)	Sec. Modulus		Deflection Moment of Inertia (x10 ⁶ mm ⁴)	Specified Web Crippling Data			
				Midspan	Support		P _{e1} End (kN)	P _{e2} End (kN)	P _{i1} Interior (kN)	P _{i2} Interior (kN)
				(x10 ³ mm ³)	(x10 ³ mm ³)					
	0.610	6.95	230	3.45	5.50	0.0806	1.78	0.446	3.24	0.551
	0.762	8.69	230	4.86	6.85	0.109	2.88	0.720	5.26	0.894
	0.914	10.4	230	6.46	8.19	0.142	4.25	1.06	7.78	1.32
	1.22	13.9	230	9.47	10.8	0.218	7.80	1.95	14.3	2.44

Live load factor = 1.4; Importance factor = 0.75; Importance Category = 1.0

MAXIMUM UNIFORMLY DISTRIBUTED SPECIFIED LOADS (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	2.84	3.99	5.31	7.78	3.67*	5.59*	6.73	8.91	4.17*	6.24	8.30	11.1
	D	5.39	7.29	9.51	14.5	12.9	17.5	22.8	34.9	10.2	13.8	18.0	27.5
1.4	S	2.08	2.93	3.90	5.71	3.15*	4.13	4.94	6.54	3.25	4.58	6.10	8.18
	D	3.39	4.59	5.99	9.16	8.14	11.0	14.4	22.0	6.41	8.68	11.3	17.3
1.5	S	1.81	2.55	3.40	4.98	2.89	3.60	4.30	5.70	2.84	3.99	5.31	7.12
	D	2.76	3.73	4.87	7.45	6.62	8.96	11.7	17.9	5.21	7.06	9.20	14.1
1.6	S	1.59	2.25	2.99	4.38	2.54	3.16	3.78	5.01	2.49	3.51	4.67	6.26
	D	2.27	3.08	4.01	6.14	5.45	7.38	9.63	14.7	4.29	5.81	7.58	11.6
1.8	S	1.26	1.77	2.36	3.46	2.01	2.50	2.99	3.96	1.97	2.77	3.69	4.95
	D	1.60	2.16	2.82	4.31	3.83	5.19	6.76	10.3	3.02	4.08	5.33	8.14
2.0	S	1.02	1.44	1.91	2.80	1.63	2.02	2.42	3.21	1.59	2.25	2.99	4.01
	D	1.16	1.58	2.05	3.14	2.79	3.78	4.93	7.54	2.20	2.98	3.88	5.94
2.2	S	0.84	1.19	1.58	2.31	1.34	1.67	2.00	2.65	1.32	1.86	2.47	3.31
	D	0.87	1.18	1.54	2.36	2.10	2.84	3.70	5.66	1.65	2.24	2.92	4.46
2.4	S	0.71	1.00	1.33	1.94	1.13	1.41	1.68	2.23	1.11	1.56	2.07	2.78
	D	0.67	0.91	1.19	1.82	1.62	2.19	2.85	4.36	1.27	1.72	2.25	3.44
2.5	S	0.65	0.92	1.22	1.79	1.04	1.30	1.55	2.05	1.02	1.44	1.91	2.56
	D	0.60	0.81	1.05	1.61	1.43	1.94	2.52	3.86	1.13	1.52	1.99	3.04
2.6	S	0.60	0.85	1.13	1.66	0.96	1.20	1.43	1.90	0.94	1.33	1.77	2.37
	D	0.53	0.72	0.94	1.43	1.27	1.72	2.24	3.43	1.00	1.35	1.77	2.70
2.8	S	0.52	0.73	0.98	1.43	0.83	1.03	1.24	1.64	0.81	1.15	1.52	2.04
	D	0.42	0.57	0.75	1.14	1.02	1.38	1.80	2.75	0.80	1.08	1.42	2.16

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 * Controlled by web crippling for 40 mm bearing length.
- Limit States Design principles were used in accordance with CSA Standard S136-07

