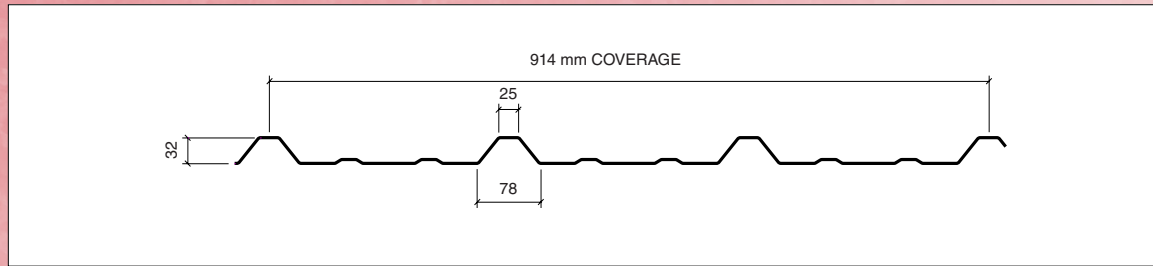


## Metric



### Physical Properties | Per meter width in accordance with CSA S136-12

Base Steel Nominal Thickness (mm)	Gauge	Section Modulus		Moment of Inertia Midspan (mm <sup>4</sup> x 10 <sup>3</sup> )	Factored Resistance Moment		Factored Web Crippling Resistance. (Bearing = 76 mm)	
		Midspan (mm <sup>3</sup> x 10 <sup>3</sup> )	Support (mm <sup>3</sup> x 10 <sup>3</sup> )		Midspan (N-m)	Support (N-m)	Midspan (kN)	Support (kN)
0.762	22	3.803	3.803	91.201	678	730	10.303	5.406
0.607	24	2.920	2.920	69.802	475	552	2.951	2.961
0.455	26	2.001	2.061	47.923	294	319	1.770	1.495

### Load Table | Maximum specified uniformly distributed load in kPa (kN/m<sup>2</sup>)

Span (mm)		1-Span Base Steel Gauge			2-Span Base Steel Gauge			3-Span Base Steel Gauge		
		22 ga.	24 ga.	26 ga.	22 ga.	24 ga.	26 ga.	22 ga.	24 ga.	26 ga.
600	S	13.56	9.49	4.98	8.60	3.46	2.06	11.32	5.06	3.31
	D	32.43	24.82	17.04	78.11	59.78	41.05	61.19	46.86	32.15
800	S	7.63	5.34	3.30	5.44	2.35	1.39	7.27	3.53	2.39
	D	13.68	10.47	7.19	32.95	25.22	17.32	25.82	19.76	13.57
1000	S	4.88	3.42	2.11	3.77	1.72	1.02	5.09	2.64	1.82
	D	7.00	5.36	3.68	16.87	12.91	8.87	13.22	10.12	6.95
1200	S	3.39	2.37	1.47	2.78	1.32	0.78	3.77	2.07	1.45
	D	4.05	3.10	2.13	9.76	7.47	5.13	7.65	5.85	4.02
1400	S	2.49	1.74	1.08	2.13	1.06	0.62	2.90	1.67	1.19
	D	2.55	1.95	1.34	6.15	4.71	3.23	4.82	3.69	2.53
1600	S	1.91	1.34	0.83	1.69	0.86	0.51	2.31	1.38	1.00
	D	1.71	1.31	0.90	4.12	3.15	2.16	3.23	2.47	1.70
1800	S	1.51	1.05	0.65	1.37	0.72	0.42	1.88	1.16	0.86
	D	1.20	0.92	0.63	2.89	2.21	1.52	2.27	1.73	1.19
2000	S	1.22	0.85	0.53	1.14	0.61	0.36	1.56	1.00	0.72
	D	0.88	0.67	0.46	2.11	1.61	1.11	1.65	1.26	0.87
2200	S	1.01	0.71	0.44	0.96	0.53	0.31	1.32	0.86	0.59
	D	0.66	0.50	0.35	1.58	1.21	0.86	1.24	0.95	0.65
2400	S	0.85	0.59	0.37	0.86	0.46	0.27	1.13	0.76	0.50
	D	0.51	0.39	0.27	1.22	0.93	0.64	0.96	0.73	0.50

## Limit States Design

Notes:

1. Loads are based on Grade 230 steel conforming to ASTM A653 with a minimum yield stress of 230 MPa and a maximum stress under factored loads of 207 MPa.

2. Section properties are in accordance with CSA S136-12.

3. Values in row "S" are the maximum specified uniform loads based on strength which must be greater than the applied factored load.

4. Values in row "D" are the maximum specified uniformly distributed loads based on a deflection limit of L/180. The load in row "D" should not be used if it exceeds the load in row "S". The lesser value governs.

5. Reductions for web crippling have been included in the load table when they apply.

MakLoc Buildings Inc. reserves the right to change the specifications contained herein without notice.

The values in these tables are for general information only and are not intended to serve as a form of advice. The information presented was calculated by a registered professional engineer with the intent to provide the most accurate values. Therefore, MakLoc believes that the values contained herein are accurate and reliable as of the date of publication. Any reliance on the information above without the consultation of MakLoc shall be at the user's own risk.

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