

SECTION PROPERTIES (Per Foot of Width)

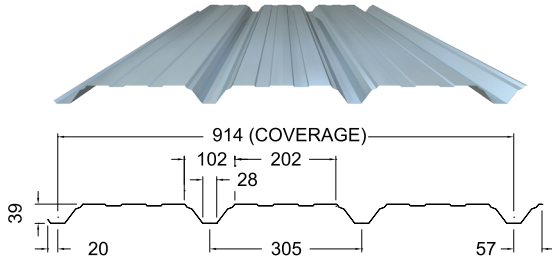
IMPERIAL

THICKNESS		Yield Strength (ksi)	Coated Steel Thickness (AZ50) (in)	Coated Mass (psf)	Section Modulus		Deflection Moment of Inertia (in ⁴)	Specified Web Crippling Data			
Gauge	Base (in)				Midspan (in ³)	Support (in ³)		Pe1 End (lb)	Pe2 End (lb)	Pi1 Interior (lb)	Pi2 Interior (lb)
28	0.0150	50	0.0166	0.819	0.0398	0.0324	0.0572	23.8	5.9	57	9.7
26	0.0180	50	0.0196	0.967	0.0500	0.0415	0.0683	35.6	8.9	83	14.1
24	0.0240	50	0.0256	1.263	0.0716	0.0619	0.0901	66.6	16.7	150	25.6
22	0.0300	50	0.0316	1.559	0.0944	0.0799	0.1114	107.8	26.9	238	40.4

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)			
		0.0150	0.0180	0.0240	0.0300	0.0150	0.0180	0.0240	0.0300	0.0150	0.0180	0.0240	0.0300
2.00	S	162	207	310	399	199	250	358	472	228	312	448	590
	D	319	401	580	773	765	962	1392	1856	603	758	1096	1461
2.50	S	104	133	198	256	127	160	229	302	159	200	286	377
	D	163	205	297	396	392	493	713	950	309	388	561	748
3.00	S	72	92	138	178	89	111	159	210	111	139	199	262
	D	94	119	172	229	227	285	413	550	179	224	325	433
3.50	S	53	68	101	130	65	82	117	154	81	102	146	193
	D	59	75	108	144	143	180	260	346	112	141	205	273
4.00	S	41	52	77	100	50	62	90	118	62	78	112	147
	D	40	50	73	97	96	120	174	232	75	95	137	183
4.50	S	32	41	61	79	39	49	71	93	49	62	88	116
	D	28	35	51	68	67	84	122	163	53	67	96	128
5.00	S	26	33	50	64	32	40	57	75	40	50	72	94
	D	20	26	37	49	49	62	89	119	39	48	70	94
5.50	S	21	27	41	53	26	33	47	62	33	41	59	78
	D	15	19	28	37	37	46	67	89	29	36	53	70
6.00	S	18	23	34	44	22	28	40	52	28	35	50	66
	D	12	15	21	29	28	36	52	69	22	28	41	54
6.50	S	15	20	29	38	19	24	34	45	24	30	42	56
	D	9	12	17	23	22	28	41	54	18	22	32	43
7.00	S	13	17	25	33	16	20	29	39	20	26	37	48
	D	7	9	14	18	18	22	32	43	14	18	26	34
7.50	S	12	15	22	28	14	18	25	34	18	22	32	42
	D	6	8	11	15	15	18	26	35	11	14	21	28
8.00	S	10	13	19	25	12	16	22	29	16	20	28	37
	D	5	6	9	12	12	15	22	29	9	12	17	23

1. Based on ASTM A 792M 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. Limit States Design principles were used in accordance with CSA Standard S136-12 Load table prepared by Dr. R.M.Schuster P.Eng University of Waterloo, Ontario, Canada.



SECTION PROPERTIES (Per Metre of Width)

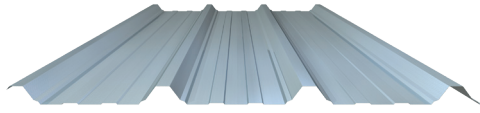
METRIC

THICKNESS		Yield Strength (MPa)	Coated Steel Thickness (AZM150) (mm)	Coated Mass (kg/m ²)	Section Modulus		Deflection Moment of Inertia (10 ⁶ mm ⁴)	Specified Web Crippling Data			
Gauge	Base (mm)				Midspan (10 ³ mm ³)	Support (10 ³ mm ³)		Pe1 End (kN)	Pe2 End (kN)	Pi1 Interior (kN)	Pi2 Interior (kN)
28	0.381	345	0.422	3.999	1.74	2.14	0.0398	0.347	0.087	0.834	0.142
26	0.457	345	0.498	4.721	2.23	2.69	0.0506	0.520	0.130	1.216	0.207
24	0.610	345	0.651	6.167	3.33	3.85	0.0750	0.973	0.243	2.196	0.373
22	0.762	345	0.803	7.612	4.29	5.07	0.1074	1.574	0.393	3.469	0.590

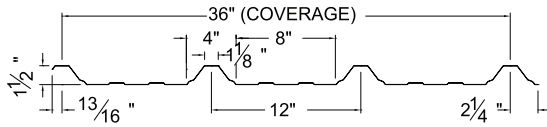
MAXIMUM UNIFORMLY DISTRIBUTED SPECIFIED LOAD (kPa)

SPAN LENGTH (m)		1 - SPAN				2 - SPAN				3 - SPAN			
		BASE STEEL THICKNESS (mm)				BASE STEEL THICKNESS (mm)				BASE STEEL THICKNESS (mm)			
		0.381	0.457	0.610	0.762	0.381	0.457	0.610	0.762	0.381	0.457	0.610	0.762
0.5	S	11.54	14.76	22.05	28.45	11.69	17.80	25.50	33.60	13.29	22.25	31.88	42.00
	D	27.57	35.03	51.95	74.42	66.18	84.07	124.68	178.61	52.11	66.21	98.18	140.65
0.6	S	8.02	10.25	15.31	19.75	9.74	12.36	17.71	23.33	11.07	15.45	22.14	29.17
	D	15.96	20.27	30.06	43.07	38.30	48.65	72.15	103.36	30.16	38.31	56.82	81.40
0.8	S	4.51	5.77	8.61	11.11	5.54	6.95	9.96	13.13	6.93	8.69	12.45	16.41
	D	6.73	8.55	12.68	18.17	16.16	20.53	30.44	43.61	12.72	16.16	23.97	34.34
1.0	S	2.89	3.69	5.51	7.11	3.55	4.45	6.38	8.40	4.43	5.56	7.97	10.50
	D	3.45	4.38	6.49	9.30	8.27	10.51	15.58	22.33	6.51	8.28	12.27	17.58
1.2	S	2.00	2.56	3.83	4.94	2.46	3.09	4.43	5.83	3.08	3.86	5.53	7.29
	D	1.99	2.53	3.76	5.38	4.79	6.08	9.02	12.92	3.77	4.79	7.10	10.17
1.4	S	1.47	1.88	2.81	3.63	1.81	2.27	3.25	4.29	2.26	2.84	4.07	5.36
	D	1.26	1.60	2.37	3.39	3.01	3.83	5.68	8.14	2.37	3.02	4.47	6.41
1.5	S	1.28	1.64	2.45	3.16	1.58	1.98	2.83	3.73	1.97	2.47	3.54	4.67
	D	1.02	1.30	1.92	2.76	2.45	3.11	4.62	6.62	1.93	2.45	3.64	5.21
1.6	S	1.13	1.44	2.15	2.78	1.39	1.74	2.49	3.28	1.73	2.17	3.11	4.10
	D	0.84	1.07	1.59	2.27	2.02	2.57	3.80	5.45	1.59	2.02	3.00	4.29
1.8	S	0.89	1.14	1.70	2.19	1.09	1.37	1.97	2.59	1.37	1.72	2.46	3.24
	D	0.59	0.75	1.11	1.60	1.42	1.80	2.67	3.83	1.12	1.42	2.10	3.01
2.0	S	0.72	0.92	1.38	1.78	0.89	1.11	1.59	2.10	1.11	1.39	1.99	2.63
	D	0.43	0.55	0.81	1.16	1.03	1.31	1.95	2.79	0.81	1.03	1.53	2.20
2.2	S	0.60	0.76	1.14	1.47	0.73	0.92	1.32	1.74	0.92	1.15	1.65	2.17
	D	0.32	0.41	0.61	0.87	0.78	0.99	1.46	2.10	0.61	0.78	1.15	1.65
2.4	S	0.50	0.64	0.96	1.23	0.62	0.77	1.11	1.46	0.77	0.97	1.38	1.82
	D	0.25	0.32	0.47	0.67	0.60	0.76	1.13	1.62	0.47	0.60	0.89	1.27
2.5	S	0.46	0.59	0.88	1.14	0.57	0.71	1.02	1.34	0.71	0.89	1.28	1.68
	D	0.22	0.28	0.42	0.60	0.53	0.67	1.00	1.43	0.42	0.53	0.79	1.13

1. Based on ASTM A 792M 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. Limit States Design principles were used in accordance with CSA Standard S136-12 Load table prepared by Dr. R.M.Schuster P.Eng University of Waterloo, Ontario, Canada.



NARROW RIB



SECTION PROPERTIES (Per Foot of Width)

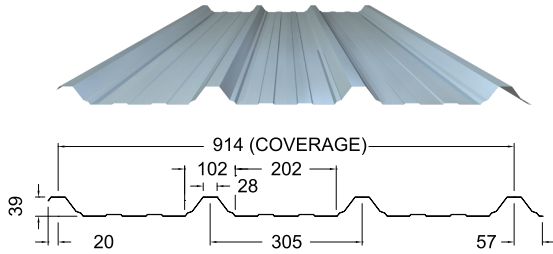
IMPERIAL

THICKNESS		Yield Strength (ksi)	Coated Steel Thickness (AZ50) (in)	Coated Mass (psf)	Section Modulus		Deflection Moment of Inertia (in ⁴)	Specified Web Crippling Data			
Gauge	Base (in)				Midspan (in ³)	Support (in ³)		Pe1 End (lb)	Pe2 End (lb)	Pi1 Interior (lb)	Pi2 Interior (lb)
28	0.0150	50	0.0166	0.819	0.0398	0.0324	0.0572	23.8	5.9	57	9.7
26	0.0180	50	0.0196	0.967	0.0500	0.0415	0.0683	35.6	8.9	83	14.1
24	0.0240	50	0.0256	1.263	0.0716	0.0619	0.0901	66.6	16.7	180	25.6
22	0.0300	50	0.0316	1.559	0.0944	0.0799	0.1114	107.8	26.9	238	40.4

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)			
		0.0150	0.0180	0.0240	0.0300	0.0150	0.0180	0.0240	0.0300	0.0150	0.0180	0.0240	0.0300
2.00	S	199	250	358	472	162	207	310	399	203	259	387	499
	D	624	745	982	1215	1497	1787	2358	2916	1179	1407	1857	2296
2.50	S	127	160	229	302	104	133	198	256	130	166	248	320
	D	319	381	503	622	766	915	1207	1493	604	721	951	1176
3.00	S	89	111	159	210	72	92	138	178	90	115	172	222
	D	185	221	291	360	444	530	699	864	349	417	550	680
3.50	S	65	82	117	154	53	68	101	130	66	85	126	163
	D	116	139	183	227	279	333	440	544	220	263	346	428
4.00	S	50	62	90	118	41	52	77	100	51	65	97	125
	D	78	93	123	152	187	223	295	364	147	176	232	287
4.50	S	39	49	71	93	32	41	61	79	40	51	76	99
	D	55	65	86	107	131	157	207	256	103	124	163	202
5.00	S	32	40	57	75	26	33	50	64	32	41	62	80
	D	40	48	63	78	96	114	151	187	75	90	119	147
5.50	S	26	33	47	62	21	27	41	53	27	34	51	66
	D	30	36	47	58	72	86	113	140	57	68	89	110
6.00	S	22	28	40	52	18	23	34	44	23	29	43	55
	D	23	28	36	45	55	66	87	108	44	52	69	85
6.50	S	19	24	34	45	15	20	29	38	19	25	37	47
	D	18	22	29	35	44	52	69	85	34	41	54	67
7.00	S	16	20	29	39	13	17	25	33	17	21	32	41
	D	15	17	23	28	35	42	55	68	27	33	43	54
7.50	S	14	18	25	34	12	15	22	28	14	18	28	36
	D	12	14	19	23	28	34	45	55	22	27	35	44
8.00	S	12	16	22	29	10	13	19	25	13	16	24	31
	D	10	12	15	19	23	28	37	46	18	22	29	36

1. Based on ASTM A 792M Structural steel.
 2. Values in row "S" are based on strength.
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 4. Web crippling not included in strength calculations. Limit States Design principles were used in accordance with CSA Standard S136-12 Load table prepared by Dr. R.M.Schuster P.Eng University of Waterloo, Ontario, Canada.



SECTION PROPERTIES (Per Metre of Width)

METRIC

THICKNESS		Yield Strength (MPa)	Coated Steel Thickness (AZM150) (mm)	Coated Mass (kg/m ²)	Section Modulus		Deflection Moment of Inertia (10 ⁶ mm ⁴)	Specified Web Crippling Data			
Gauge	Base (mm)				Midspan (10 ³ mm ³)	Support (10 ³ mm ³)		Pe1 End (kN)	Pe2 End (kN)	Pi1 Interior (kN)	Pi2 Interior (kN)
28	0.381	345	0.422	3.999	2.14	1.74	0.0722	0.347	0.087	0.834	0.142
26	0.457	345	0.498	4.721	2.69	2.23	0.0893	0.520	0.130	1.216	0.207
24	0.610	345	0.651	6.167	3.85	3.33	0.1224	0.973	0.243	2.196	0.373
22	0.762	345	0.803	7.612	5.07	4.29	0.1521	1.574	0.393	3.469	0.590

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)			
		0.381	0.457	0.610	0.762	0.381	0.457	0.610	0.762	0.381	0.457	0.610	0.762
0.5	S	14.19	17.80	25.50	33.60	11.54	14.76	22.05	28.45	13.29	18.45	27.56	35.56
	D	50.00	61.85	84.83	105.42	120.01	148.43	203.59	253.01	94.51	116.89	160.33	199.25
0.6	S	9.85	12.36	17.71	23.33	8.02	10.25	15.31	19.75	10.02	12.81	19.14	24.69
	D	28.94	35.79	49.09	61.01	69.45	85.90	117.82	146.42	54.69	67.64	92.78	115.30
0.8	S	5.54	6.95	9.96	13.13	4.51	5.77	8.61	11.11	5.64	7.21	10.76	13.89
	D	12.21	15.10	20.71	25.74	29.30	36.24	49.71	61.77	23.07	28.54	39.14	48.64
1.0	S	3.55	4.45	6.38	8.40	2.89	3.69	5.51	7.11	3.61	4.61	6.89	8.89
	D	6.25	7.73	10.60	13.18	15.00	18.55	25.45	31.63	11.81	14.61	20.04	24.91
1.2	S	2.46	3.09	4.43	5.83	2.00	2.56	3.83	4.94	2.51	3.20	4.78	6.17
	D	3.62	4.47	6.14	7.63	8.68	10.74	14.73	18.30	6.84	8.46	11.60	14.41
1.4	S	1.81	2.27	3.25	4.29	1.47	1.88	2.81	3.63	1.84	2.35	3.51	4.54
	D	2.28	2.82	3.86	4.80	5.47	6.76	9.27	11.53	4.31	5.32	7.30	9.08
1.5	S	1.58	1.98	2.83	3.73	1.28	1.64	2.45	3.16	1.60	2.05	3.06	3.95
	D	1.85	2.29	3.14	3.90	4.44	5.50	7.54	9.37	3.50	4.33	5.94	7.38
1.6	S	1.39	1.74	2.49	3.28	1.13	1.44	2.15	2.78	1.41	1.80	2.69	3.47
	D	1.53	1.89	2.59	3.22	3.66	4.53	6.21	7.72	2.88	3.57	4.89	6.08
1.8	S	1.09	1.37	1.97	2.59	0.89	1.14	1.70	2.19	1.11	1.42	2.13	2.74
	D	1.07	1.33	1.82	2.26	2.57	3.18	4.36	5.42	2.03	2.51	3.44	4.27
2.0	S	0.89	1.11	1.59	2.10	0.72	0.92	1.38	1.78	0.90	1.15	1.72	2.22
	D	0.78	0.97	1.33	1.65	1.88	2.32	3.18	3.95	1.48	1.83	2.51	3.11
2.2	S	0.73	0.92	1.32	1.74	0.60	0.76	1.14	1.47	0.75	0.95	1.42	1.84
	D	0.59	0.73	1.00	1.24	1.41	1.74	2.39	2.97	1.11	1.37	1.88	2.34
2.4	S	0.62	0.77	1.11	1.46	0.50	0.64	0.96	1.23	0.63	0.80	1.20	1.54
	D	0.45	0.56	0.77	0.95	1.09	1.34	1.84	2.29	0.85	1.06	1.45	1.80
2.5	S	0.57	0.71	1.02	1.34	0.46	0.59	0.88	1.14	0.58	0.74	1.10	1.42
	D	0.40	0.49	0.68	0.84	0.96	1.19	1.63	2.02	0.76	0.94	1.28	1.59

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