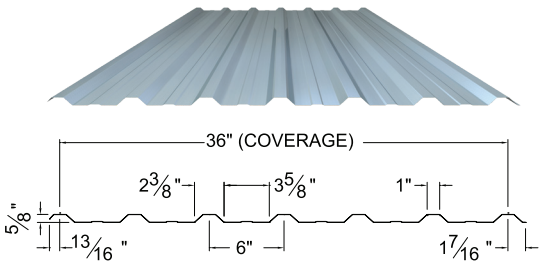


DIAMONDSEAL

ROOF, WALL & LINER

NARROW RIB

SECTION PROPERTIES (Per Foot of Width)

IMPERIAL

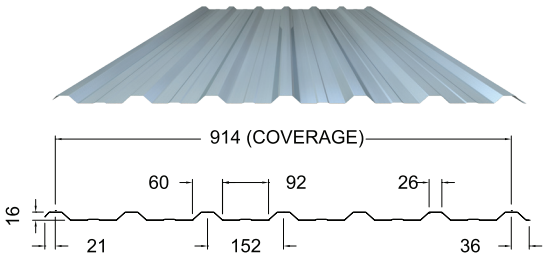
THICKNESS		Yield Strength (ksi)	Coated Steel Thickness (AZ50) (in)	Coated Mass (psf)	Section Modulus		Deflection Moment of Inertia (in^4)	Specified Web Crippling Data			
Gauge	Base (in)				Midspan (in^3)	Support (in^3)		Pe1 End (lb)	Pe2 End (lb)	Pi1 Interior (lb)	Pi2 Interior (lb)
29	0.0135	80	0.0151	0.699	0.0174	0.159	0.0103	59.8	15.0	111	18.9
28	0.0150	50	0.0166	0.769	0.0207	0.0192	0.0115	47.0	11.8	88.0	14.9
26	0.0180	50	0.0196	0.907	0.0263	0.0250	0.0136	69.8	17.4	130.0	22.1
24	0.0240	33	0.0256	1.185	0.0406	0.0371	0.0177	85.4	21.3	159.	27.1

MAXIMUM UNIFORMLY DISTRIBUTED SPECIFIED LOAD (psf)

SPAN LENGTH (in)		1 - SPAN				2- SPAN				3 - SPAN			
		BASE STEEL THICKNESS (in)				BASE STEEL THICKNESS (in)				BASE STEEL THICKNESS (in)			
		0.0135	0.0150	0.0180	0.0240	0.0135	0.0150	0.0180	0.0240	0.0135	0.0150	0.0180	0.0240
16	S	233	233	296	302	213	216	282	276	266	270	352	345
	D	378	422	501	652	908	1014	1202	1566	715	798	947	1233
20	S	149	149	189	193	136	138	180	176	170	173	225	221
	D	194	216	257	334	465	519	616	802	366	409	485	631
24	S	104	103	132	134	94	96	125	123	118	120	157	153
	D	112	125	148	193	269	300	356	464	212	237	281	365
30	S	66	66	84	86	60	62	80	78	76	77	100	98
	D	57	64	76	99	138	154	182	238	109	121	144	187
36	S	46	46	58	60	42	43	56	54	52	53	70	68
	D	33	37	44	57	80	89	106	137	63	70	83	108
42	S	34	34	43	44	31	31	41	40	39	39	51	50
	D	21	23	28	36	50	56	66	87	40	44	52	68
48	S	26	26	33	34	24	24	31	31	30	30	39	38
	D	14	16	19	24	34	38	45	58	26	30	35	46
54	S	20	20	26	26	19	19	25	24	23	24	31	30
	D	10	11	13	17	24	26	31	41	19	21	25	32
60	S	17	17	21	21	15	15	20	20	19	19	25	25
	D	7	8	10	12	17	19	23	30	14	15	18	23
66	S	14	14	17	18	12	13	17	16	16	16	21	20
	D	5	6	7	9	13	14	17	22	10	11	13	18
72	S	12	11	15	15	10	11	14	14	13	13	17	17
	D	4	5	5	7	10	11	13	17	8	9	10	14

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.

exsteel BUILDING COMPONENTS



DIAMONDSEAL

ROOF, WALL & LINER

NARROW RIB

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)
29	0.343	550	0.384	3.413	0.94	0.85	0.0129	0.649	0.162	1.207	0.205
28	0.381	345	.0422	3.755	1.11	1.03	0.0149	0.687	0.172	1.279	0.217
26	0.457	345	0.498	4.428	1.41	1.35	0.0183	1.019	0.255	1.901	0.323
24	0.610	230	0.650	5.786	2.18	1.99	0.0242	1.259	0.315	2.352	0.400

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)			
		0.343	0.381	0.457	0.610	0.343	0.381	0.457	0.610	0.343	0.381	0.457	0.610
0.4	S	11.53	11.50	14.64	15.07	10.51	10.70	13.93	13.76	13.14	13.37	17.41	17.20
	D	17.45	20.17	24.73	32.76	41.88	48.40	59.35	78.63	32.98	38.11	46.73	61.92
0.5	S	7.38	7.36	9.37	9.64	6.73	6.85	8.92	8.81	8.41	8.56	11.14	11.01
	D	8.93	10.33	12.66	16.77	21.44	24.78	30.39	40.26	16.88	19.51	23.93	31.70
0.6	S	5.12	5.11	6.51	6.70	4.67	4.75	6.19	6.12	5.84	5.94	7.74	7.65
	D	5.17	5.98	7.33	9.71	12.41	14.34	17.58	23.30	9.77	11.29	13.85	18.35
0.8	S	2.88	2.88	3.66	3.77	2.63	2.67	3.48	3.44	3.28	3.34	4.35	4.30
	D	2.18	2.52	3.09	4.10	5.23	6.05	7.42	9.83	4.12	4.76	5.84	7.74
1.0	S	1.84	1.84	2.34	2.41	1.68	1.71	2.23	2.20	2.10	2.14	2.79	2.75
	D	1.12	1.29	1.58	2.10	2.68	3.10	3.80	5.03	2.11	2.44	2.99	3.96
1.2	S	1.28	1.28	1.63	1.67	1.17	1.19	1.55	1.53	1.46	1.49	1.93	1.91
	D	0.65	0.75	0.92	1.21	1.55	1.79	2.20	2.91	1.22	1.41	1.73	2.29
1.4	S	0.94	0.94	1.19	1.23	0.86	0.87	1.14	1.12	1.07	1.09	1.42	1.40
	D	0.41	0.47	0.58	0.76	0.98	1.13	1.38	1.83	0.77	0.89	1.09	1.44
1.5	S	0.82	0.82	1.04	1.07	0.75	0.76	0.99	0.98	0.93	0.95	1.24	1.22
	D	0.33	0.38	0.47	0.62	0.79	0.92	1.13	1.49	0.63	0.72	0.89	1.17
1.6	S	0.72	0.72	0.91	0.94	0.66	0.67	0.87	0.86	0.82	0.84	1.09	1.08
	D	0.27	0.32	0.39	0.51	0.65	0.76	0.93	1.23	0.52	0.60	0.73	0.97
1.8	S	0.57	0.57	0.72	0.74	0.52	0.53	0.69	0.68	0.65	0.66	0.86	0.85
	D	0.19	0.22	0.27	0.36	0.46	0.53	0.65	0.86	0.36	0.42	0.51	0.68
2.0	S	0.46	0.46	0.59	0.60	0.42	0.43	0.56	0.55	0.53	0.53	0.70	0.69
	D	0.14	0.16	0.20	0.26	0.34	0.39	0.47	0.63	0.26	0.30	0.37	0.50

1. Based on ASTM A 792M Structural steel.
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