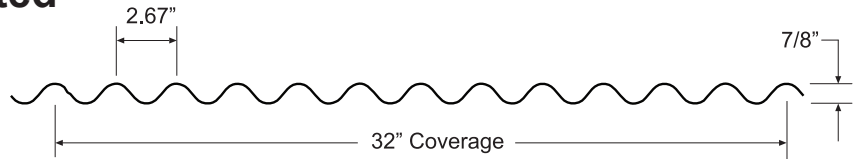


DOMTEK - 7/8" Corrugated Grade 80 Imperial



Physical Properties		Per Foot Width - In accordance with CSA S136-16 - Limit States Design								
Thickness		Weight	Yield Strength	Section Modulus		Moment of Inertia	Factored Moment Resistance		Specified Crippling Bearing N=1.5 in.	
Gauge	Base	Z275		Mid	Support	Mid Span	Mid	Support	End	Interior
	(in.)	(lb/ft ²)	(ksi)	(in. ³)	(in. ³)	(in. ⁴)	(ft-lb)	(ft-lb)	(lb)	(lb)
26	0.018	0.97	80	0.0531	0.0531	0.0233				

Load Table		Maximum Specified Uniformly Distributed Load in lb/ft ² psf		
Span		1 Span	2 Span	3 Span
Gauge		Gauge	Gauge	Gauge
(ft)		26	26	26
2	B	341	341	427
	D	334	804	630
2.5	B	218	218	273
	D	171	412	322
3	B	152	152	190
	D	99	238	187
3.5	B	111	111	139
	D	62	150	117
4	B	85	85	107
	D	42	100	79
4.5	B	67	67	84
	D	29	71	55
5	B	55	55	68
	D	21	51	40
5.5	B	45	45	56
	D	16	39	30
6	B	38	38	47
	D	12	30	23
6.5	B		32	40
	D		23	18
7	B		28	35
	D		19	15
7.5	B		24	30
	D		15	12
8	B		21	
	D		13	

Notes:

- Properties and loads are based on Grade 80 Steel. Live load factor = 1.4 Normal Importance IW SLS = 0.75
- Figures in Row B indicate the load capacity based on strength. Strength capacity B should be checked against [Specified Live Load] + [0.893 x Specified Dead Load].
- Figures in Row D indicate the load capacity based on deflection of 1/180th span. For allowable deflection of 1/90th of the span, values in Row D can be doubled, but must not exceed the value in Row B. Deflection capacity should be checked against Specified Load(s).

Notes to the Designer:

- The Load Tables were developed in accordance with CSA S136-16 - North American Specification for the Design of Cold Formed Steel Structural Members.
- The Load Tables were developed using Limit States Design principles.
- The Load Tables are based on specified uniformly distributed loads only.
- The load tables do not consider the effect of pattern loading.
- The load tables do not account for concentrated loads.
- All span applications assumes all spans are equal.