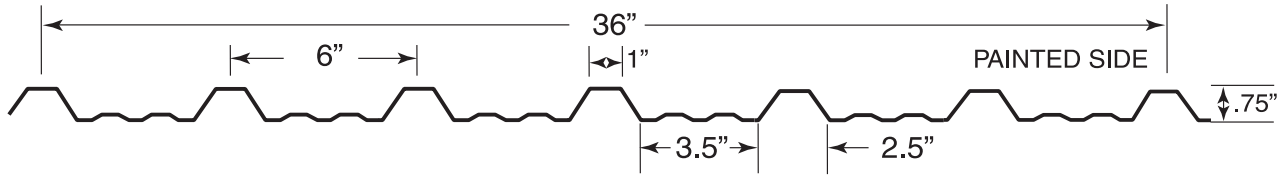


Diamond Rib Panel - Section Properties/Load Table (Imperial)



Base Steel Thickness	Weight (psf)	Section Modulus (in ³)		Moment of Inertia Mid-span (in ⁴)
		Mid-span	Support	
22 Ga (0.030 in.)	1.37	0.063	0.038	0.032
24 Ga (0.024 in.)	1.09	0.051	0.030	0.025
26 Ga (0.019 in.)	0.87	0.041	0.024	0.020

Load Table		Maximum Specified Uniformly Distributed Loads in psf								
		1-Span			2-Span			3-Span		
Span (ft.)		22 Ga.	24 Ga.	26 Ga.	22 Ga.	24 Ga.	26 Ga.	22 Ga.	24 Ga.	26 Ga.
2'-0"	S	224	273	218	134	163	130	143	174	139
	D	340	273	219	818	658	528	818	658	528
3'-0"	S	99	121	97	60	72	58	64	77	62
	D	101	81	65	242	195	156	242	195	156
3'-6"	S	73	89	71	44	53	42	47	57	45
	D	63	51	41	153	123	98	153	123	98
4'-0"	S	56	68	55	34	41	32	36	43	35
	D	42	34	27	102	82	66	102	82	66
4'-6"	S	44	54	43	26	32	26	28	34	27
	D	30	24	19	72	58	46	72	58	46
5'-0"	S	36	44	35	21	26	21	23	28	22
	D	22	17	14	52	42	34	52	42	34
5'-6"	S	30	36	29	18	22	17	19	23	18
	D	16	13	11	39	32	25	39	32	25
6'-0"	S	25	30	24	15	18	14	16	19	15
	D	13	10	8	30	24	20	30	24	20
6'-6"	S	21	26	21	13	15	12	14	16	13
	D	10	8	6	24	19	15	24	19	15
7'-0"	S	18	22	18	11	13	11	12	14	11
	D	8	6	5	19	15	12	19	15	12
7'-6"	S	16	19	16	10	12	9	10	12	10
	D	6	5	4	16	12	10	16	12	10
8'-0"	S	14	17	14	8	10	8	9	11	9
	D	5	4	3	13	10	8	13	10	8

S = Maximum Load for Strength

D = Maximum Load for Deflection (span/180)

This Load Table prepared by Inkpen Engineering Ltd. Loads are based on ASTM A792 Grade 50 Steel (F_y = 50ksi). Live Load Factor = 1.4

The information contained here is intended as a guideline only. Consult the National Building Code of Canada and/or local codes if more detailed analysis is required. Web crippling not included in strength values.