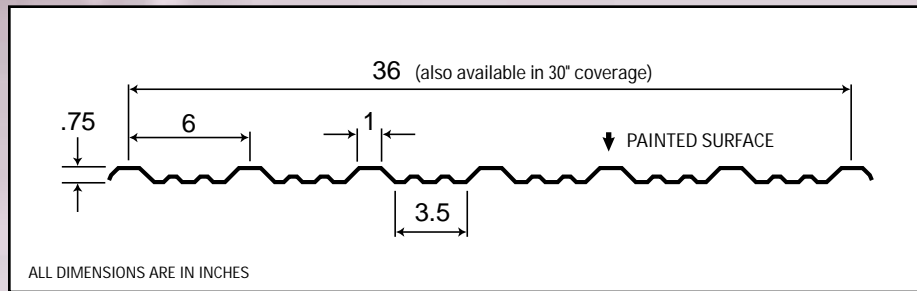


IMPERIAL



## Section Properties

(Per Foot of Width)

Thickness	Weight G90 (lb/ft <sup>2</sup> )	Yield Strength (ksi)	Section Modulus		Deflection Moment of Inertia Mid Span (in. <sup>4</sup> )	Specified Web Crippling Data (lb)			
			Mid Span (in. <sup>3</sup> )	Support (in. <sup>3</sup> )		Pe1	Pe2	Pi1	Pi2
30	0.654	80	0.021	0.018	0.013	17.5	12.2	85.7	14.6
29	0.725	80	0.024	0.022	0.016	23.7	16.6	111	18.8
26	0.975	50	0.035	0.033	0.022	46.6	32.6	196	33.3
24	1.30	33	0.055	0.050	0.030	61.2	42.9	238	40.5

## Load Table

Maximum Specified Uniformly Distributed Load in lb/ft<sup>2</sup> (psf)

Support Spacing (ft)		1-Span Base Steel Thickness (in.)				2-Span Base Steel Thickness (in.)				3-Span Base Steel Thickness (in.)			
		0.0120	0.0135	0.0180	0.0240	0.0120	0.0135	0.0180	0.0240	0.0120	0.0135	0.0180	0.0240
2'0"	B	134	156	222	227	120	141	207	206	149	176	259	257
	D	S	S	S	S	S	S	S	S	S	S	S	S
2'6"	B	86	100	142	145	76	90	133	132	96	113	166	164
	D	75	87	125	S	S	S	S	S	S	S	S	S
3'0"	B	59	69	98	101	53	63	92	91	66	78	115	114
	D	43	50	72	97	S	S	S	S	S	S	S	S
3'6"	B	44	51	72	74	39	46	68	67	49	58	85	84
	D	27	32	46	61	S	S	S	S	S	S	S	S
4'0"	B	33	39	55	57	30	35	52	51	37	44	65	64
	D	18	21	31	41	S	S	S	S	34	40	58	S
4'6"	B	26	31	44	45	24	28	41	41	30	35	51	51
	D	13	15	21	29	S	S	S	S	24	28	41	S
5'0"	B	21	25	35	36	—	23	33	33	24	28	41	41
	D	9	11	16	21	—	S	S	S	18	20	30	40
5'6"	B	—	21	29	30	—	—	27	27	20	23	34	34
	D	—	8	12	16	—	—	S	S	13	15	22	30
6'0"	B	—	—	25	25	—	—	23	23	—	20	29	29
	D	—	—	9	12	—	—	22	S	—	12	17	23
6'6"	B	—	—	21	21	—	—	20	—	—	—	25	24
	D	—	—	7	10	—	—	17	—	—	—	13	18
7'0"	B	—	—	—	—	—	—	—	—	—	—	21	21
	D	—	—	—	—	—	—	—	—	—	—	11	15

## Limit States Design

Note:

1. Loads are based on steel conforming to ASTM A653. For minimum yield strength see notes to designer.
2. Section properties are in accordance with CSA-S136-94.
3. Values in row "B" are the maximum specified uniform loads based on strength, which must be equal to or greater than the (specified live load + 0.833 times the specified dead load).
4. Values in row "D" are the maximum specified uniformly distributed loads based on a deflection limit of L/180 of the span. "S" indicates that strength governs.
5. Web crippling not included in strength values. See example calculation in notes to designer.
6. Contact the sales department for stocked colours and gauges.
7. The load table contained on this data sheet was prepared by Dr. R.M. Schuster P.Eng. Professor of Structural Engineering, University of Waterloo, Ontario, Canada.

