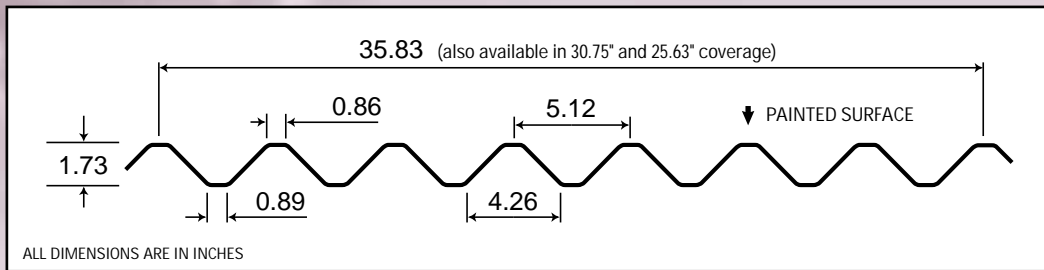


IMPERIAL



Section Properties

(Per Foot of Width)

Thickness	Weight G90 (lb/ft ²)	Yield Strength (ksi)	Section Modulus		Deflection Moment of Inertia Mid Span (in. ⁴)	Specified Web Crippling Data (lb)			
			Mid Span (in. ³)	Support (in. ³)		Pe1	Pe2	Pi1	Pi2
26	0.018	1.10	0.118	0.118	0.104	16.6	11.6	104	17.7
24	0.024	1.46	0.158	0.158	0.138	37.4	26.2	196	33.3
22	0.030	1.78	0.196	0.196	0.173	67.4	47.2	318	54.0
20	0.036	2.01	0.234	0.234	0.207	107	74.9	470	79.9
18	0.048	2.68	0.309	0.309	0.275	216	150	867	147

Load Table

Maximum Specified Uniformly Distributed Load in lb/ft² (psf)

Support Spacing (ft)		1-Span Base Steel Thickness (in.)					2-Span Base Steel Thickness (in.)					3-Span Base Steel Thickness (in.)				
		0.018	0.024	0.030	0.036	0.048	0.018	0.024	0.030	0.036	0.048	0.018	0.024	0.030	0.036	0.048
		4'0"	B	97	130	162	193	255	97	130	162	193	255	122	162	202
	D	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
4'6"	B	77	103	128	152	201	77	103	128	152	201	96	128	160	190	251
	D	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
5'0"	B	62	83	103	123	163	62	83	103	123	163	78	104	129	154	204
	D	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
5'6"	B	51	69	85	102	135	52	69	85	102	135	64	86	107	128	168
	D	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
6'0"	B	43	58	72	86	113	43	58	72	86	113	54	72	90	107	141
	D	42	56	70	83	111	S	S	S	S	S	S	S	S	S	S
6'6"	B	37	49	61	73	96	37	49	61	73	96	46	61	76	91	120
	D	33	44	55	66	87	S	S	S	S	S	S	S	S	S	S
7'0"	B	32	42	53	63	83	32	42	53	63	83	40	53	66	79	104
	D	26	35	44	53	70	S	S	S	S	S	S	S	S	S	S
7'6"	B	28	37	46	55	72	28	37	46	55	72	35	46	57	69	91
	D	21	29	36	43	57	S	S	S	S	S	S	S	S	S	S
8'0"	B	24	32	40	48	64	24	32	40	48	64	30	41	50	60	80
	D	18	24	29	35	47	S	S	S	S	S	S	S	S	S	S
8'6"	B	22	29	36	43	56	22	29	36	43	56	27	36	45	53	70
	D	15	20	25	29	39	S	S	S	S	S	S	S	S	S	S
9'0"	B	19	26	32	38	50	—	26	32	38	50	24	32	40	48	63
	D	12	17	21	25	33	—	S	S	S	S	23	31	39	47	62

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.

