



The load tables mentioned above do not necessarily represent the product availability. Please refer to the product catalogue.

SECTION PROPERTIES (PER FOOT OF WIDTH)

IMPERIAL	Base Steel Thickness (in.)	Weight G90 (psf)	Yield Stress (ksi)	Sec. Modulus		Deflection Moment of Inertia (in ⁴)	Specified Web Crippling Data			
				Midspan	Support		P _{e1} End (lb)	P _{e2} End (lb)	P _{i1} Interior (lb)	P _{i2} Interior (lb)
				(in ³)	(in ³)					
	0.012	0.63	33	0.0133	0.0149	0.0045	45.7	11.4	80.1	13.6
	0.015	0.77	33	0.0170	0.0185	0.0060	73.7	18.4	131	22.2
	0.018	0.91	33	0.0207	0.0220	0.0075	109	27.2	194	33.0
	0.024	1.20	33	0.0281	0.0290	0.0104	200	49.9	360	61.1
	0.030	1.49	33	0.0352	0.0357	0.0131	319	79.7	577	98.2

Live load factor = 1.4; Importance factor = 0.75; Importance Category = 1.0

MAXIMUM UNIFORMLY DISTRIBUTED SPECIFIED LOAD (PSF)

SPAN LENGTH (ft)		1-SPAN					2-SPAN					3-SPAN				
		BASE STEEL THICKNESS (inches)					BASE STEEL THICKNESS (inches)					BASE STEEL THICKNESS (inches)				
		0.012	0.015	0.018	0.024	0.030	0.012	0.015	0.018	0.024	0.030	0.012	0.015	0.018	0.024	0.030
1.0	S	188	240	293	397	499	210	261	311	410	505	263	326	389	512	632
	D	520	696	872	1209	1518	1248	1670	2092	2903	3644	983	1315	1648	2286	2869
1.33	S	106	136	166	224	282	119	148	176	232	286	149	185	220	289	357
	D	221	296	371	514	645	531	710	889	1234	1549	418	559	700	972	1220
1.5	S	84	107	130	176	222	93	116	138	182	225	117	145	173	228	281
	D	154	206	258	358	450	370	495	620	860	1080	291	390	488	677	850
2.0	S	47	60	73	99	125	53	65	78	102	126	66	82	97	128	158
	D	65	87	109	151	190	156	209	262	363	455	123	164	206	286	359
2.5	S	30	38	47	64	80	34	42	50	66	81	42	52	62	82	101
	D	33	45	56	77	97	80	107	134	186	233	63	84	105	146	184
3.0	S	21	27	33	44	55	23	29	35	46	56	29	36	43	57	70
	D	19	26	32	45	56	46	62	77	108	135	36	49	61	85	106
3.5	S	15	20	24	32	41	17	21	25	33	41	21	27	32	42	52
	D	12	16	20	28	35	29	39	49	68	85	23	31	38	53	67
4.0	S	12	15	18	25	31	13	16	19	26	32	16	20	24	32	39
	D	8	11	14	19	24	20	26	33	45	57	15	21	26	36	45
4.5	S	9	12	14	20	25	10	13	15	20	25	13	16	19	25	31
	D	6	8	10	13	17	14	18	23	32	40	11	14	18	25	31
5.0	S		10	12	16	20	8	10	12	16	20	11	13	16	20	25
	D		6	7	10	12	10	13	17	23	29	8	11	13	18	23

- Notes:**
- 1 Based on ASTM A 653 Grade 33 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. See Example.
- Limit States Design principles were used in accordance with CSA Standard S136-07



