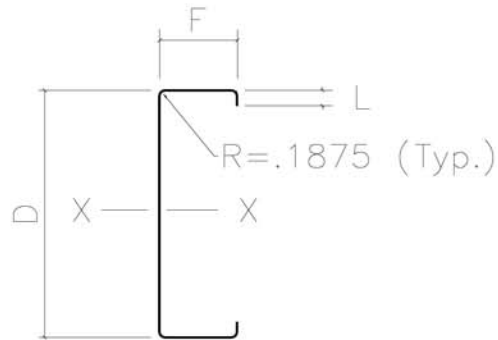


# “C” Shape Effective Section Properties



Section Size (D×F)	Ga.	L in	Weight lb/ft	Area in <sup>2</sup>	Properties of Fully Braced Section					
					I <sub>x</sub>	S <sub>e</sub>	R <sub>x</sub>	I <sub>y</sub>	S <sub>y</sub>	R <sub>y</sub>
4×2.5	16	.83	1.91	0.56	1.38	0.65	1.63	0.52	0.34	0.96
4×2.5	14	.88	2.52	0.74	1.89	0.93	1.61	0.68	0.45	0.96
6×2.5	16	.83	2.29	0.67	3.54	1.12	2.37	0.60	0.35	0.94
6×2.5	14	.88	3.02	0.89	4.84	1.58	2.36	0.79	0.47	0.94
8×2.5	16	.83	2.67	0.78	6.86	1.62	3.08	0.66	0.36	0.91
8×2.5	14	.88	3.53	1.04	9.53	2.33	3.07	0.87	0.48	0.91
8×2.5	12	.96	4.86	1.43	13.43	3.36	3.05	1.19	0.67	0.91
8×3.5	16	.83	3.05	0.90	7.54	1.66	3.20	1.48	0.61	1.28
8×3.5	14	.88	4.03	1.18	10.72	2.48	3.19	1.97	0.81	1.28
8×3.5	12	.96	5.55	1.63	15.16	3.57	3.17	2.69	1.12	1.28
10×2.5	16	.83	3.05	0.90	11.08	2.01	3.76	0.70	0.37	0.88
10×2.5	14	.88	4.03	1.18	16.25	3.19	3.75	0.93	0.49	0.88
10×2.5	12	.96	5.55	1.63	22.94	4.59	3.73	1.28	0.69	0.88
10×3.5	14	.88	4.53	1.33	17.70	3.24	3.90	2.10	0.83	1.25
10×3.5	12	.96	6.25	1.84	25.60	4.86	3.88	2.89	1.15	1.25
12×3.5	14	.88	5.04	1.48	26.09	3.86	4.58	2.21	0.84	1.22
12×3.5	12	.96	6.94	2.04	39.51	6.27	4.57	3.06	1.17	1.22
14×3.0	14	.88	5.29	1.55	34.71	4.38	5.16	1.59	0.67	1.01
14×3.0	12	.95	7.29	2.14	56.09	7.92	5.14	2.17	0.93	1.01

Notes:

- 1) Properties are computed in accordance with the 1986 edition of the AISI specification.
- 2) I<sub>x</sub> is for deflection determination, S<sub>e</sub> is for bending, S<sub>y</sub> and I<sub>y</sub> are for full section.