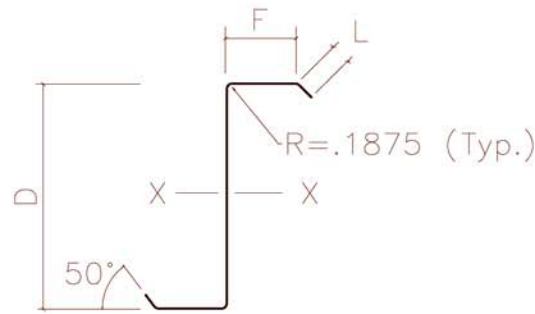


“Z” Shape Effective Section Properties



Section Size (D×F)	Ga.	L in	Weight lb/ft	Area in ²	Properties of Fully Braced Section					
					I _x	S _e	R _x	I _y	S _y	R _y
4×2.5	16	.71	1.91	0.56	1.36	0.62	1.65	1.11	0.38	1.40
4×2.5	14	.75	2.52	0.74	1.83	0.86	1.64	1.49	0.51	1.42
6×2.5	16	.71	2.29	0.67	3.45	1.07	2.40	1.11	0.38	1.28
6×2.5	14	.75	3.02	0.89	4.65	1.46	2.39	1.49	0.51	1.29
8×2.5	16	.71	2.67	0.78	6.58	1.51	3.10	1.11	0.38	1.19
8×2.5	14	.75	3.53	1.04	9.14	2.17	3.09	1.49	0.51	1.20
8×2.5	12	.80	4.86	1.43	13.35	3.35	3.08	2.09	0.70	1.21
8×3.5	16	.71	3.05	0.90	7.17	1.52	3.22	2.59	0.66	1.70
8×3.5	14	.75	4.03	1.18	10.44	2.37	3.21	3.46	0.88	1.71
8×3.5	12	.80	5.55	1.63	15.04	3.51	3.20	4.83	1.22	1.72
10×2.5	16	.71	3.05	0.90	10.60	1.87	3.78	1.11	0.38	1.11
10×2.5	14	.75	4.03	1.18	15.40	2.91	3.77	1.49	0.51	1.12
10×2.5	12	.80	5.55	1.63	22.95	4.56	3.76	2.08	0.70	1.13
10×3.5	14	.75	4.53	1.33	17.05	3.04	3.92	3.46	0.88	1.61
10×3.5	12	.80	6.25	1.84	25.36	4.77	3.91	4.83	1.22	1.62
12×2.5	14	.75	4.53	1.33	22.70	3.44	4.43	1.49	0.51	1.06
12×2.5	12	.80	6.25	1.84	35.65	5.90	4.42	2.08	0.70	1.06
12×3.5	14	.75	5.04	1.48	25.10	3.64	4.60	3.46	0.88	1.53
12×3.5	12	.80	6.94	2.04	39.13	6.16	4.59	4.83	1.22	1.54
14×3.0	14	.75	5.29	1.55	33.53	4.14	5.18	2.34	0.68	1.23
14×3.0	12	.80	7.29	2.14	53.27	7.27	5.17	2.72	0.94	1.23

Notes:

- 1) Properties are computed in accordance with the 1986 edition of the AISI specification.
- 2) I_x is for deflection determination, S_e is for bending, S_y and I_y are for full section.