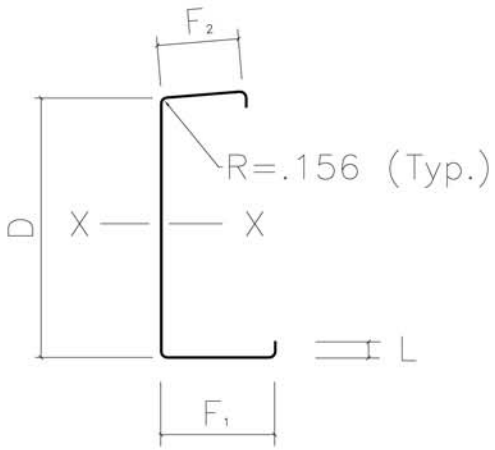
Eave Strut Effective Section Properties



Section Size ($D \times F_1 \times F_2$)	Ga.	L in	Weight lb/ft	Area in²	Properties of Fully Braced Section					
					I_x	S_e	R_x	I_y	S_y	R_y
1/12 Slope on top flange										
6.25×5×3	14	1.09	3.99	1.17	6.526	1.968	2.605	3.246	0.943	1.662
8.25×5×3	14	1.09	4.50	1.32	12.271	2.853	3.353	3.551	0.983	1.638
8.25×5×3	12	1.16	6.20	1.82	17.773	4.069	3.338	4.889	1.361	1.638
10.25×5×3	14	1.09	5.00	1.47	20.099	3.557	4.074	3.794	1.013	1.606
10.25×5×3	12	1.16	6.89	2.03	29.273	5.457	4.060	5.228	1.402	1.606
12.25×5×2.5	14	0.90	5.28	1.55	26.372	4.054	4.698	3.538	0.892	1.509
12.25×5×2.5	12	0.97	7.28	2.14	40.440	6.297	4.685	4.882	1.237	1.510
4/12 Slope on top flange										
6.25×5×3	14	1.07	3.99	1.17	7.473	1.895	2.755	3.220	0.930	1.656
8.25×5×3	14	1.07	4.50	1.32	13.503	2.749	3.489	3.516	0.969	1.630
8.25×5×3	12	1.13	6.20	1.82	19.527	3.957	3.476	4.841	1.340	1.629
10.25×5×3	14	1.07	5.00	1.47	21.571	3.502	4.198	3.752	0.997	1.597
10.25×5×3	12	1.13	6.89	2.03	31.444	5.294	4.186	5.169	1.380	1.597
12.25×5×2.5	14	.88	5.28	1.55	27.152	3.669	4.783	3.503	0.881	1.501
12.25×5×2.5	12	.95	7.28	2.14	42.245	6.119	4.773	4.832	1.220	1.502

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.

Effective Date: February 10, 1998