



Section Designation	Area	Depth	Web Thickness		Flange		Elastic Properties			
					Width	Thick	X-X Axis			
	A	d	t _w	t _w /2	b _f	t _f	I _x	S _x	r _x	I _y
	in ²	in	in	in	in	in	in ⁴	in ³	in	in ⁴
HP14x117	34.4	14.21	0.805	0.403	14.885	0.805	1220	172	5.96	443
x102	30.0	14.01	0.705	0.353	14.785	0.705	1050	150	5.92	380
x89	26.1	13.83	0.615	0.308	14.695	0.615	904	131	5.88	326
x73	21.4	13.61	0.505	0.253	14.585	0.505	729	107	5.84	261
HP12x84	24.6	12.28	0.685	0.343	12.295	0.685	650	106	5.14	213
x74	21.8	12.13	0.605	0.303	12.215	0.610	569	93.8	5.11	186
x63	18.4	11.94	0.515	0.258	12.125	0.515	472	79.1	5.06	153
x53	15.5	11.78	0.435	0.218	12.045	0.435	393	66.8	5.03	127
HP10x57	16.8	9.99	0.565	0.283	10.225	0.565	294	58.8	4.18	101
x42	12.4	9.70	0.415	0.208	10.075	0.420	210	43.4	4.13	71.7
HP8x36	10.6	8.02	0.445	0.223	8.155	0.445	119	29.8	3.36	40.3





Y-Y Axis		Surface Area per Linear Foot
S_y	r_y	
in ²	in	ft ² /ft
59.5	3.59	7.10
51.4	3.56	7.05
44.3	3.53	7.00
35.8	3.49	6.95
34.6	2.94	5.93
30.4	2.92	5.89
25.3	2.88	5.85
21.1	2.86	5.81
19.7	2.45	4.89
14.2	2.41	4.82
9.88	1.95	3.89

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