

SECTION HP	Weight (m) lb/ft (kg/m)	Area (A) in ² (cm ²)	Depth (d) in (mm)	Flange Width (b) in (mm)	THICKNESS		Coating Area ft ² /ft (m ² /m)	ELASTIC PROPERTIES							
					Flange (tf) in (mm)	Web (tw) in (mm)		AXIS X-X				AXIS Y-Y			
								I in ⁴ (cm ⁴)	S in ⁴ (cm ³)	Z in ³ (cm ³)	r in (cm)	I in ⁴ (cm ⁴)	S in ⁴ (cm ³)	Z in ³ (cm ³)	r in (cm)
8X8 HP200	36	10.6	8.02	8.16	0.445	0.445	3.92	119	29.8	33.6	3.36	40.3	9.88	15.2	1.95
	54	68.4	204	207	11.3	11.3	1.19	4953	488	550.6	8.53	1677	162	249.1	4.95
10x10 HP250	42	12.4	9.7	10.1	0.42	0.415	4.83	210	43.4	48.3	4.13	71.7	14.2	21.8	2.41
	63	80	246	257	10.7	10.5	1.47	8741	711	791.5	10.5	2984	233	357.2	6.12
	57	16.7	9.99	10.2	0.565	0.565	4.91	294	58.8	66.5	4.18	101	19.7	30.3	2.45
	85	108	254	259	14.4	14.4	1.5	12237	964	1089.7	10.6	4204	323	496.5	6.22
12x12 HP310	53	15.5	11.8	12	0.435	0.435	5.82	393	66.7	74	5.03	127	21.1	32.2	2.86
	79	100	300	305	11	11	1.77	16358	1093	1212.6	12.8	5286	346	527.7	7.26
	63	18.4	11.9	12.1	0.515	0.515	5.86	472	79.1	88.3	5.06	153	25.3	38.7	2.88
	94	119	302	307	13.1	13.1	1.79	19646	1296	1447	12.9	6368	415	634.2	7.32
	74	21.8	12.1	12.2	0.61	0.605	5.91	569	93.8	105	5.11	186	30.4	46.6	2.92
	110	141	307	310	15.5	15.4	1.8	23683	1537	1720.6	13	7742	498	763.6	7.42
	84	24.6	12.3	12.3	0.685	0.685	5.97	650	106	120	5.14	213	34.6	53.2	2.94
	125	159	312	312	17.4	17.4	1.82	27055	1737	1966.4	13.1	8866	567	871.8	7.47
	89	25.9	12.36	12.32	0.72	0.72	6.04	689	111.6	126.3	5.16	225	36.5	56.2	2.94
	132	167	314	313	18.3	18.3	1.84	28700	1830	2070	13.1	9370	599	922	7.48
	102	29.9	12.56	12.64	0.819	0.819	6.17	811	129.3	147.6	5.2	276	43.7	67.1	3.04
	152	193	319	321	20.8	20.8	1.88	33800	2120	2420	13.2	11500	716	1100	7.71
	117	34.4	12.76	12.87	0.929	0.929	6.26	946	148.2	170.8	5.24	331	51.4	79.3	3.11
	174	222	324	327	23.6	23.6	1.91	39400	2430	2800	13.3	13800	843	1300	7.89
14x14 HP360	73	21.4	13.6	14.6	0.505	0.505	6.96	729	107	118	5.84	261	35.8	54.6	3.49
	109	138	345	371	12.8	12.8	2.12	30343	1753	1933.7	14.8	10864	587	894.7	8.86
	89	26.1	13.8	14.7	0.615	0.615	7.02	904	131	146	5.88	326	44.3	67.7	3.53
	132	168	351	373	15.6	15.6	2.14	37627	2147	2392.5	14.9	13569	726	1109.4	8.97
	102	30.1	14	14.8	0.705	0.705	7.06	1050	150	169	5.92	380	51.4	78.8	3.56
	152	194	356	376	17.9	17.9	2.15	43704	2458	2769.4	15	15817	842	1291.3	9.04
	117	34.4	14.2	14.9	0.805	0.805	7.12	1220	172	194	5.96	443	59.5	91.4	3.59
16x16 HP410	174	222	361	378	20.4	20.4	2.34	50780	2819	3179.1	15.1	18439	975	1497.8	9.12
	88	25.8	15.3	15.7	0.54	0.54	7.52	1110	145	161	6.56	349	44.5	68.2	3.68
	131	167	389	399	13.7	13.7	2.29	46201	2376	2638.3	16.7	14526	729	1117.6	9.35
	101	29.9	15.5	15.8	0.625	0.625	7.56	1300	168	187	6.59	412	52.2	80.1	3.71
	150	193	394	401	15.9	15.9	2.3	54110	2753	3064.4	16.7	17149	855	1312.6	9.42
	121	35.8	15.8	15.9	0.75	0.75	7.62	1590	201	226	6.66	504	63.4	97.6	3.75
	180	231	401	404	19.1	19.1	2.32	66180	3294	3703.5	16.9	20978	1039	1599.4	9.53
	141	41.7	16	16	0.875	0.875	7.69	1870	234	264	6.7	599	74.9	116	3.79
210	269	406	406	22.2	22.2	2.34	77835	3835	4326.2	17	24932	1227	1900.9	9.63	

SPECIFICATIONS

Steel Grades for HP Profiles

Available Steel Grades		
American		
ASTM	Yield Strength	
	(ksi)	(MPa)
A 36	36	250
A 572 Grade 50	50	345
A 572 Grade 60	60	415
A 588	50	345
A 690	50	345

☒ Stock is readily available

