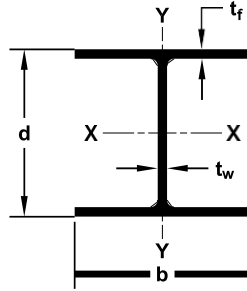


# H-PILE

## Steel H-Pile



SECTION	Weight lb/ft (kg/m)	Area in <sup>2</sup> (cm <sup>2</sup> )	Depth d in (mm)	Flange Width b in (mm)	THICKNESS			PROPERTIES							
					Flange (t <sub>f</sub> ) in (mm)	Web (t <sub>w</sub> ) in (mm)	Coating Area ft <sup>2</sup> /ft (m <sup>2</sup> /m)	AXIS X-X				AXIS Y-Y			
								I in <sup>4</sup> (cm <sup>4</sup> )	S in <sup>3</sup> (cm <sup>3</sup> )	Z in <sup>3</sup> (cm <sup>3</sup> )	r in (cm)	I in <sup>4</sup> (cm <sup>4</sup> )	S in <sup>3</sup> (cm <sup>3</sup> )	Z in <sup>3</sup> (cm <sup>3</sup> )	r in (cm)
HP 8 HP 200	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
HP 10 HP 250	42	12.4	9.70	10.10	0.420	0.415	4.83	210	43.4	48.3	4.13	71.7	14.2	21.8	2.41
	63	80.0	246	257	10.7	10.5	1.47	8741	711	791.5	10.5	2984	233	357.2	6.12
HP 12 HP 310	57	16.7	9.99	10.20	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	1.50	12237	964	1089.7	10.6	4204	323	496.5	6.22
HP 14 HP 360	53	15.5	11.80	12.00	0.435	0.435	5.82	393	66.7	74.0	5.03	127	21.1	32.2	2.86
	79	100	300	305	11.0	11.0	1.77	16358	1093	1212.6	12.8	5286	346	527.7	7.26
HP 16 HP 410	63	18.4	11.90	12.10	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	1447.0	12.9	6368	415	634.2	7.32
HP 18 HP 460	74	21.8	12.10	12.20	0.610	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	1.80	23683	1537	1720.6	13.0	7742	498	763.6	7.42
HP 20 HP 500	84	24.6	12.30	12.30	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
HP 22 HP 550	89	25.9	12.36	12.32	0.720	0.720	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
HP 24 HP 600	102	29.9	12.56	12.64	0.819	0.819	6.17	811	129.3	147.6	5.20	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
HP 26 HP 650	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
HP 28 HP 700	73	21.4	13.60	14.60	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
HP 30 HP 750	89	26.1	13.80	14.70	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
HP 32 HP 800	102	30.1	14.00	14.80	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	15.0	15817	842	1291.3	9.04
HP 34 HP 850	117	34.4	14.20	14.90	0.805	0.805	7.12	1220	172	194	5.96	443	59.5	91.4	3.59
	174	222	361	378	20.4	20.4	2.34	50780	2819	3179.1	15.1	18439	975	1497.8	9.12
HP 36 HP 900	88	25.8	15.30	15.70	0.540	0.540	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
HP 38 HP 950	101	29.9	15.50	15.80	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	2.30	54110	2753	3064.4	16.7	17149	855	1312.6	9.42
HP 40 HP 1000	121	35.8	15.80	15.90	0.750	0.750	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
HP 42 HP 1050	141	41.7	16.00	16.00	0.875	0.875	7.69	1870	234	264	6.70	599	74.9	116	3.79
	210	269	406	406	22.2	22.2	2.34	77835	3835	4326.2	17.0	24932	1227	1900.9	9.63
HP 44 HP 1100	162	47.7	16.30	16.10	1.000	1.000	7.75	2190	269	306	6.78	697	86.6	134	3.82
	241	308	414	409	25.4	25.4	2.36	91154	4408	5014.4	17.2	29011	1419	2195.9	9.70
HP 46 HP 1150	183	54.1	16.50	16.30	1.130	1.130	7.81	2510	304	349	6.81	818	100.0	156	3.89
	272	349	419	414	28.7	28.7	2.38	104473	4982	5719.1	17.3	34047	1639	2556.4	9.88
HP 48 HP 1200	135	39.9	17.50	17.80	0.750	0.750	8.54	2200	251	281	7.43	706	79.3	122	4.21
	201	257	445	452	19.1	19.1	2.60	91570	4113	4604.7	18.9	29386	1299	1999.2	10.7
HP 50 HP 1250	157	46.2	17.70	17.90	0.870	0.870	8.60	2570	290	327	7.46	833	93.1	143	4.25
	234	298	450	455	22.1	22.1	2.62	106971	4752	5358.5	18.9	34672	1526	2343.3	10.8
HP 52 HP 1300	181	53.2	18.00	18.00	1.000	1.000	8.66	3020	336	379	7.53	974	108.0	167	4.28
	269	343	457	457	25.4	25.4	2.64	125701	5506	6210.7	19.1	40541	1770	2736.6	10.9
HP 54 HP 1350	204	60.2	18.30	18.10	1.130	1.130	8.73	3480	380	433	7.60	1120	124.0	191	4.31
	304	388	465	460	28.7	28.7	2.66	144847	6227	7095.6	19.3	46618	2032	3129.9	11.0

# H-PILE

## Steel H-Pile

Available Steel Grades								
AMERICAN			CANADIAN			EUROPEAN**		
ASTM	YIELD STRENGTH		CSA G40.21	YIELD STRENGTH		EN 10034	YIELD STRENGTH	
	(ksi)	(MPa)		(ksi)	(MPa)		(ksi)	(MPa)
A 36	36	250	Grade 300 W	44	300	HISTAR 355	51	355
A 572 Grade 50*	50	345	Grade 350 W	50	350	HISTAR 420	61	420
A 572 Grade 60	60	415				HISTAR 460	67	460
A 588	50	345						
A 690	50	345						

\* Standard grade for H-Pile.

\*\*HISTAR only available in some sizes.

## Splicer and H-Pile Point



## Delivery Conditions & Tolerances

	ASTM A 6	
Mass	± 2.5%	
Length <sup>5</sup>		
30 Feet and Under	± 0.375 inches	
Over 30 Feet	+ (0.375 inches + (length - 30)/80)	- 0.375 inches
Depth	± 0.125 inches	- 0.1875 inches
Flange Width	+ 0.25 inches	
Flanges out of Square		
HP 8 x 42 - HP 12 x 84	≤ 0.25 inches	
HP 14 x 73 - HP 14 x 117	≤ 0.3125 inches	
Web off Center	≤ 0.1875 inches	
Greatest Depth over Theoretical	≤ 0.25 inches	
Camber and Sweep***		
45 Feet and Under	(0.125")(Length in feet/10) but not over 0.375"	
Over 45 Feet	(0.375") + (0.125" (Length in feet - 45)/10)	

<sup>5</sup> For HP ordered as bearing piles, length tolerances are +5 in. and -0 in.

\*\*\*For the HP 10 x 42, 12 x 53, 12 x 63, 14 x 73, and 14 x 89 ordered as columns, tolerances are subject to negotiation with manufacturer.

## Maximum Rolled Lengths<sup>†</sup>

HPs	130'	39.6 m
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<sup>†</sup> Longer lengths may be possible upon request.