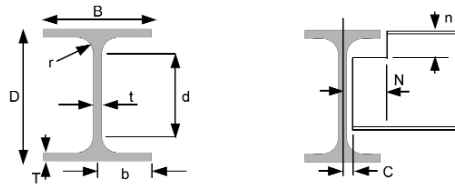


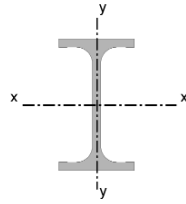
Bearing Piles



Imperial Units

Designation		Area of Sect.	Depth of Sect.	Width of Sect.	Thickness		Root Radius	Depth between Filletts	Ratios For Local Buckling		Dimensions for Detailing				
Size	Mass Per Metre				Flange T	Web t			Flange b/T	Web d/t	Clearance C	End		Notch	
	lb/ft											kg/m	mm	mm	mm
in	lb/ft	kg/m	cm ²	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
HP8 8 x 8	30 36	45.0 53.6	57.1 68.2	200.2 203.7	205.4 207.1	9.5 11.3	9.5 11.3	10.2 10.2	160.8 160.7	10.81 9.16	16.9 14.2	7 8	108 108	20 22	
HP10 10 x 10	42 48	62.5 71.0	79.5 91.0	246.4 249.9	255.9 257.5	10.7 12.1	10.5 12.1	12.7 12.7	199.7 200.3	11.99 10.64	19.1 16.6	7 8	133 133	23 25	
HP12 12 x 12	57 53 59 64 74	85.0 78.9 88.0 95.0 110.1	108 100 112 122 140	254.3 299.2 301.7 303.8 307.9	259.7 305.9 307.2 308.3 310.3	14.3 11.1 12.3 13.4 15.4	14.3 11.1 12.3 13.4 15.4	12.7 15.2 15.2 15.2 15.2	200.3 246.7 246.7 246.6 246.7	9.08 13.84 12.49 11.50 10.07	14.0 22.3 20.1 18.4 16.0	9 8 8 9 10	133 157 157 157 157	27 26 28 29 31	
	85 100 125 150	126.0 149.0 186.0 223.0	163 189 238 285	312.6 318.2 328.4 338.0	312.7 315.5 320.5 325.4	17.8 20.6 25.7 30.5	17.8 20.6 25.7 30.5	15.2 15.2 15.2 15.2	246.6 246.6 246.6 246.6	8.78 7.66 6.24 5.33	13.9 12.0 9.6 8.1	11 12 15 17	157 157 157 157	33 36 41 46	
HP14 14 x 14 1/2	73 89 102 117	108.6 132.4 151.8 174.1	138 169 194 222	345.7 351.3 355.9 360.9	370.5 373.3 375.5 378.1	12.8 15.6 17.9 20.5	12.8 15.6 17.9 20.5	15.2 15.2 15.2 15.2	289.6 289.7 289.7 289.6	14.44 11.95 10.48 9.24	22.6 18.5 16.2 14.2	8 10 11 12	189 189 189 189	28 31 33 36	

Bearing Piles



Imperial Units

Designation		Surface		Second		Radius		Elastic		Plastic		Buckling	Torsional	Warping	Torsional
Size	Mass Per Metre	Area per Metre	Moment of Area		of Gyration		Modulus Z		Modulus S		Parameter u	Index x	Constant H	Constant	
			Axis x-x	Axis y-y	Axis x-x	Axis y-y	Axis x-x	Axis y-y	Axis x-x	Axis y-y					
in	lb/ft	kg/m	m ²	cm ⁴	cm ⁴	cm	cm	cm ³	cm ³	cm ³	cm ³			dm ⁶	cm ⁴
HP8 8 x 8	30	45.0	1.19	4092	1374	8.5	4.90	409	134	458	205	0.828	18.6	0.12	19.21
	36	53.6	1.20	4966	1676	8.5	4.96	488	162	551	249	0.827	15.9	0.16	32.05
HP10 10 x 10	42	62.5	1.47	8751	2983	10.5	6.13	710	233	791	357	0.828	20.5	0.41	33.58
	48	71.0	1.48	10144	3448	10.6	6.16	812	268	910	411	0.827	18.2	0.49	49.53
HP12 12 x 12	57	85.0	1.50	12246	4182	10.7	6.22	963	322	1089	495	0.826	15.7	0.60	81.16
	53	78.9	1.77	16362	5277	12.8	7.26	1094	345	1213	527	0.832	23.9	1.10	46.64
	59	88.0	1.78	18376	5950	12.8	7.30	1218	387	1356	593	0.831	21.7	1.25	63.61
	64	95.0	1.79	20168	6553	12.9	7.34	1328	425	1484	651	0.830	20.1	1.38	81.67
	74	110.1	1.80	23554	7680	13.0	7.40	1530	495	1720	760	0.830	17.7	1.64	122.96
	85	126.0	1.81	27731	9088	13.1	7.48	1774	581	2009	895	0.829	15.5	1.97	188.89
	100	149.0	1.83	32838	10807	13.2	7.56	2064	685	2356	1057	0.828	13.5	2.39	292.17
	125	186.0	1.86	42741	14147	13.4	7.71	2603	883	3013	1369	0.827	11.1	3.24	568.28
HP14 14 x 14 1/2	150	223.0	1.89	52841	17588	13.6	7.86	3127	1081	3664	1683	0.826	9.5	4.16	955.06
	73	108.6	2.12	30340	10883	14.8	8.88	1755	587	1942	896	0.822	24.2	3.01	83.79
	89	132.4	2.14	37630	13556	14.9	8.97	2142	726	2388	1110	0.822	20.2	3.82	149.63
	102	151.8	2.15	43831	15823	15.0	9.04	2463	843	2763	1291	0.821	17.8	4.52	224.64
	117	174.1	2.17	50935	18450	15.1	9.12	2823	976	3187	1498	0.821	15.7	5.35	333.88