R.W. CONKLINSTEEL

100% Melted & Manufactured in the USA

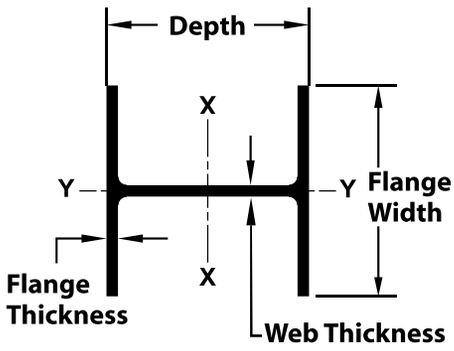
1-888-CONKLIN (266-5546)

www.conklinsteel.com

H-PILING

Specifications

HP



H-Piles are often driven into the ground and used for deep foundations to support structures in commerical construction, such as buildings and bridges. Due to their strength, they can be utilized for driving in soil conditions that other piling would have difficulty penetrating. Their durability also make these steel columns perfect for applications in areas to are prone to earthquakes or other natural disasters.

SECTION SIZE	WEIGHT	AREA	DEPTH	FLANGE WIDTH	THICKNESS		COATING AREA	ELASTIC PROPERTIES					
								AXIS X-X			AXIS Y-Y		
					FLANGE	WEB		I	S	r	I	S	r
	lb/ft *(kg/m)*	in^2 *(cm^2)*	in *(mm)*	in *(mm)*	in *(mm)*	in *(mm)*	ft^2/ft *(m^2/m)*	in^4 *(cm^4)*	in^3 *(cm^3)*	in *(cm)*	in^4 *(cm^4)*	in^3 *(cm^3)*	in *(cm)*
HP 8″ *HP 200 mm*	**36** *54*	**10.6** *68.4*	**8.02** *204*	**8.155** *207*	**0.445** *11.3*	**0.445** *11.3*	**3.92** *1.19*	**119** *4950*	**29.8** *487*	**3.36** *8.53*	**40.3** *1680*	**9.88** *162*	**1.95** *4.60*
HP 10″ *HP 250 mm*	**42** *63*	**12.4** *80.0*	**9.70** *246*	**10.075** *256*	**0.420** *10.7*	**0.415** *10.5*	**4.83** *1.47*	**210** *8740*	**43.4** *711*	**4.13** *10.5*	**71.7** *2980*	**14.2** *233*	**2.41** *6.12*
	57 *85*	**16.8** *108*	**9.99** *254*	**10.225** *260*	**0.565** *14.4*	**0.565** *14.4*	**4.91** *1.50*	**294** *12200*	**58.8** *969*	**4.18** *10.6*	**101** *4200*	**19.7** *323*	**2.45** *6.22*
	53 *79*	**15.5** *100*	**11.78** *299*	**12.045** *306*	**0.435** *11.0*	**0.435** *11.0*	**5.82** *1.77*	**393** *16400*	**66.9** *1090*	**5.03** *12.8*	**127** *5290*	**21.1** *346*	**2.86** *7.26*
HP 12″ *HP 310 mm*	**63** *94*	**18.4** *119*	**11.94** *303*	**12.125** *308*	**0.515** *13.1*	**0.515** *13.1*	**5.86** *1.79*	**472** *19600*	**79.1** *1290*	**5.06** *12.9*	**153** *6370*	**25.3** *415*	**2.88** *7.32*
	74 *110*	**21.8** *141*	**12.13** *308*	**12.215** *310*	**0.610** *15.5*	**0.605** *15.4*	**5.91** *180*	**569** *23700*	**93.8** *1530*	**5.11** *13.0*	**186** *7740*	**30.4** *498*	**2.92** *7.42*
	84 *125*	**24.6** *159*	**12.28** *312*	**12.295** *312*	**0.685** *17.4*	**0.685** *17.4*	**5.97** *1.82*	**650** *27100*	**106** *1730*	**5.14** *13.1*	**213** *8870*	**34.6** *567*	**2.94** *7.47*
	73 *109*	**21.4** *138*	**13.61** *346*	**14.585** *370*	**0.505** *12.8*	**0.505** *12.8*	**6.96** *2.12*	**729** *30300*	**107** *1770*	**5.84** *14.8*	**261** *10900*	**35.8** *587*	**3.49** *8.86*
HP 14″ *HP 360 mm*	**89** *132*	**26.1** *168*	**13.83** *351*	**14.695** *373*	**0.615** *15.6*	**0.615** *15.6*	**7.02** *2.14*	**904** *37600*	**131** *2150*	**5.88** *14.9*	**326** *13600*	**44.3** *726*	**3.53** *8.97*
	102 *152*	**30.0** *194*	**14.01** *356*	**14.785** *376*	**0.705** *17.9*	**0.705** *17.9*	**7.06** *2.15*	**1050** *43700*	**150** *2480*	**5.92** *15.0*	**380** *15800*	**51.4** *842*	**3.56** *9.04*
	117 *174*	**34.4** *222*	**14.21** *361*	**14.885** *378*	**0.805** *20.4*	**0.805** *20.4*	**7.12** *2.17*	**1220** *50800*	**172** *2830*	**5.96** *15.1*	**443** *18400*	**59.5** *975*	**3.59** *9.12*
	88 *131*	**25.8** *167*	**15.33** *389*	**15.665** *398*	**0.540** *13.7*	**0.540** *13.7*	**7.52** *2.29*	**1112** *46295*	**145** *2378*	**6.56** *16.7*	**347** *14425*	**44.0** *725*	**3.66** *9.31*
	101 *151*	**29.8** *192*	**15.50** *394*	**15.750** *400*	**0.625** *15.9*	**0.625** *15.9*	**7.56** *2.30*	**1297** *53978*	**167** *2742*	**6.60** *16.8*	**408** *16971*	**52.1** *848*	**3.70** *9.40*
HP 16″ *HP 410 mm*	**121** *181*	**35.7** *230*	**15.75** *400*	**15.875** *403*	**0.750** *19.1*	**0.750** *19.1*	**7.62** *232*	**1578** *65675*	**200** *3283*	**6.65** *16.9*	**501** *20859*	**63.1** *1035*	**3.75** *9.52*
	141 *211*	**14.7** *269*	**16.00** *406*	**16.000** *406*	**0.875** *22.2*	**0.875** *22.2*	**7.69** *2.34*	**1871** *77859*	**234** *3832*	**6.70** *17.0*	**599** *24923*	**75.2** *1227*	**3.79** *9.63*
	162 *242*	**47.7** *308*	**16.25** *413*	**16.125** *410*	**1.000** *25.4*	**1.000** *25.4*	**7.75** *2.36*	**2175** *90542*	**268** *4387*	**6.75** *17.2*	**701** *29167*	**87.0** *1424*	**3.83** *9.74*
	183 *272*	**53.8** *347*	**16.50** *419*	**16.250** *413*	**1.125** *28.6*	**1.125** *28.6*	**7.81** *2.38*	**2492** *103738*	**302** *4951*	**6.81** *17.3*	**807** *33595*	**99.0** *1628*	**3.87** *9.84*
	135 *202*	**39.8** *257*	**17.50** *445*	**17.750** *451*	**0.750** *19.1*	**0.750** *19.1*	**8.54** *2.60*	**2196** *91423*	**251** *4114*	**7.43** *18.9*	**700** *29143*	**78.8** *1293*	**4.19** *10.7*
HP 18″ *HP 460 mm*	**157** *234*	**46.2** *298*	**17.74** *451*	**17.870** *454*	**0.870** *22.1*	**0.870** *22.1*	**8.60** *2.62*	**2583** *107516*	**291** *4772*	**7.48** *19.0*	**829** *34512*	**93.0** *1521*	**4.24** *10.8*
	181 *269*	**53.2** *343*	**18.00** *457*	**18.000** *457*	**1.000** *25.4*	**1.000** *25.4*	**8.66** *2.64*	**3017** *125579*	**335** *5493*	**7.53** *19.1*	**974** *40545*	**108.1** *1774*	**4.28** *10.9*
	204 *304*	**60.0** *387*	**18.25** *464*	**18.125** *460*	**1.125** *28.6*	**1.125** *28.6*	**8.73** *2.66*	**3450** *143598*	**378** *6196*	**7.58** *19.3*	**1119** *46585*	**123.0** *2024*	**4.32** *11.0*

*All calculations and information should be double-checked by a qualified engineer.