

Heli-Pile[®] Modular Helical Pile

EASY DESIGN AND ORDER GUIDE

STEP 1: SELECT LEAD SHAFT

If the ultimate load* is:	Select Lead Shaft	Cat. No.	Lengths
0 to 70,000 lbs	1.5 inch extra-high strength steel	HPL-15X	3 ft, 5 ft, 7 ft
0 to 110,000 lbs	1.75 inch extra-high strength steel	HPL-175	3 ft, 5 ft, 7 ft

*The ultimate load is the design load multiplied by the factor of safety, usually 2.

STEP 2: SELECT EXTENSION SHAFT

If the ultimate load* is:	Select Extension Shaft	Cat. No.	Lengths
0 to 70,000 lbs	1.5 inch extra-high strength steel	HPE-15X	3 ft, 5 ft, 7 ft
0 to 110,000 lbs	1.75 inch extra-high strength steel	HPE-175	3 ft, 5 ft, 7 ft

*The ultimate load is the design load multiplied by the factor of safety, usually 2.

STEP 3: SELECT NUMBER OF HELICES

1.5 inch extra-high strength shaft: 0 to 70,000 lb ultimate load, use 1 helix minimum.
 1.75 inch extra-high strength shaft: 0 to 70,000 lb ultimate load, use 1 helix minimum.
 70,000 to 110,000 lb ultimate load, use 2 helices.

Select Helix Catalog Numbers from this chart:

Helix Diameters (All helices ½ inch thick)	Helix Catalog Numbers For Either 1.5 Inch Shaft	Helix Catalog Numbers For 1.75 Inch Shaft
6 inch	HPH-15X-06	HPH-175-06
8 inch	HPH-15X-08	HPH-175-08
10 inch	HPH-15X-10	HPH-175-10
12 inch	HPH-15X-12	HPH-175-12
14 inch	HPH-15X-14	HPH-175-14

(4 keys are included with each helix.)

STEP 4: SELECT LOAD TRANSFER HARDWARE

Load Transfer Hardware	Catalog Numbers 1.5 inch Shaft	Catalog Numbers 1.75 inch Shaft
Rebar Cap	HP-15X-RC	HP-175-RC
Plate Cap	HP-15X-PC	HP-175-PC
Underpinning Bracket	UP-150	UP-175

STEP 5: SELECT COUPLINGS

For either 1.5 inch shaft: Select HPC-15X (4 keys are included with each coupling)
 For 1.75 inch shaft: Select HPC-175

STEP 6: ORDER

1. Call us at **(303) 423-0591**
2. Fax order to **(303) 423-9155**