

Heli-Pile® Solid Square Bar 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 | HPC-15X | 3 ft, 5 ft, 7 ft |
| 0 to 110,000 lbs | 1.75 inch extra-high strength steel | HPC-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 | HPCE-15X | 3 ft, 5 ft, 7 ft |
| 0 to 110,000 lbs | 1.75 inch extra-high strength steel | HPCE-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 min.
70,000 lb to 110,000 lb ultimate load, use 2 helices
110,000 lb to 210,000 lb ultimate load, use 3 helices

1.75 inch extra-high strength shaft:
0 to 70,000 lb ultimate load, use 1 helix min.
70,000 lb to 110,000 lb ultimate load, use 2 helices
110,000 lb to 210,000 lb ultimate load, use 3 helices

STEP 4: SELECT LOAD TRANSFER HARDWARE

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

STEP 5: ORDER

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