



Certified Installers/Exclusive Dealers - CA, NV, AZ

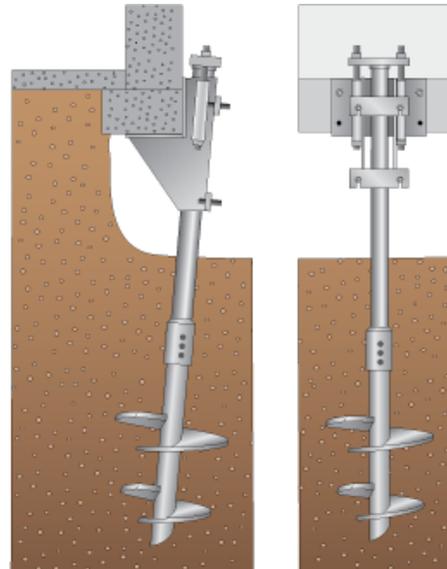
Utility Helical Brackets

Earth Contact Products, the leading underpinning bracket manufacturer in the United States, has a complete line of utility helical brackets. These underpinning brackets are used for strengthening and stabilizing the foundation of an existing building or other structure. The use of underpinning brackets may be necessary for a variety of reasons:

- The original foundation is simply not strong or stable enough
- The usage or loads of the structure has changed
- The properties of the soil supporting the foundation may have changed (possibly through subsidence) or were mischaracterized during design
- The construction of nearby structures necessitates the excavation of soil supporting existing foundations
- It is more economical, due to land price or otherwise, to work on the present structure's foundation than to build a new one

Underpinning is accomplished by extending the foundation in depth or width so it either rests on a more supportive soil stratum or distributes its load across a greater area. The use of helical anchors and utility brackets is a common method in underpinning.

Helical anchors are screwed into the soil below the active soil layers to create a deep foundation support system. When combined with a utility bracketing system the foundation's load is transferred to a new stable load bearing stratum.



Helical pier underpinning has many advantages over other methods of piling, including:

- Excellent for light weight structures
- Does not require a reaction force to install
- No vibration installation
- All weather installation
- Not effected by high water tables
- Installed with light weight portable equipment



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All ECP helical brackets are designed to be used in conjunction with our hydraulic manifold lifting system. This manifold lifting system was designed for the precise control and stability required by many engineers for a structural lift. ECP recommends that a registered engineer monitors all structural lifting activities.

Helical Brackets

Our lineup of helical brackets has capacities ranging from 40kips to 98kips. Whether using square bar helicals for residential underpinning or 3-1/2" round shaft helicals for commercial work there is a helical / bracket combination right for your next project.

Features	TAB-150	TAB-175	TAB-288	TAB-350
Ultimate Load	40,000	98,000	98,000	98,000
Bearing Area	68"	75"	75"	75"
Lift Capacity	4"	5-1/2"	5-1/2"	5-1/2"
Pier Cap	T-Tube	T-Tube	Pile Cap	Pile Cap
Helical Size	1-1/2"	1-3/4"	2-7/8"	3-1/2"

Torque Anchor™ Utility Brackets		
TAB-150-UB & TAB-288L-UB Utility Bracket		
Shaft Size:	1-1/2" Sq.	2-7/8" Dia.
Bracket Designation:	TAB-150-UB	TAB-288L-UB
Pier Cap:	T-Tube Cap	
Ultimate-Limit Capacity:	40,000 lb.1	
Bearing Area:	68-1/4 sq. inches	
Standard Lift Capacity:	4 inches2	
<p style="text-align: center;">TAB-150-UB TAB-288L-UB</p> <p style="text-align: center;">DETAIL OF TAB-150-UB UTILITY BRACKET & TAB-288L-UB UTILITY BRACKET</p>		



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TAB-175-LUB, TAB-288-LUB & TAB-350-LUB Large Utility Bracket			
Shaft Size:	1-3/4" Sq.	2-7/8" Dia	3-1/2" Dia
Bracket Designation:	TAB-175-LUB	TAB-288-LUB	TAB-350-LUB
Pier Cap:3	T-Tube	Pile Cap	Pile Cap
Ultimate-Limit Capacity:	98,000 lb.1		
Bearing Area:	75 square inches		
Standard Lift Capacity:	5-1/2 inches2		

NOTES:

1. These are mechanical capacity ratings. Foundation strength and soil capacity will dictate actual capacity.
2. Bracket Lift Height Can Easily Be Increased By Ordering Longer Continuously Threaded Bracket Rods.
3. The TAB-LUB Bracket is the same component for three different shaft sizes; the Pile Cap configuration varies to accommodate the appropriate shaft for the application.

2-7/8" DIA. x 0.262" WALL TUBULAR PILE - ORDERED SEPARATELY - (1-3/4" SQ. & 3-1/2" DIA PILES MAY ALSO BE USED WITH PROPER PILE CAPS)

DETAIL OF TAB-288-LUB SUPPORT SYSTEM



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