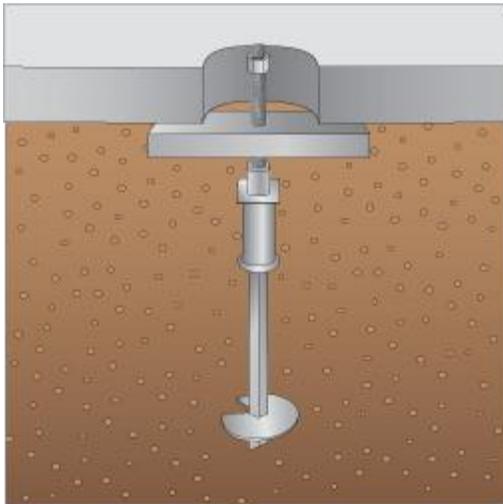




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Helical Slab Brackets

ECP helical slab brackets are designed and engineered especially for concrete slab support. Foundation repair contractors prefer these slab brackets due to their ease of use and high capacities. For concrete slabs, ECP helical slab brackets provide reliable support, ease of installation and an engineered design to provide many years of service. In conjunction with ECP helical piers, the helical slab brackets install deeply to provide support under concrete slabs on grade that have cracked due to failing soils or increased loads.



ECP steel slab brackets are simply installed on top of ECP helical anchors to add structural strength in a deep foundation application. The helical anchor slab brackets can be mechanically or hydraulically used to lift settling slabs in much the same way that ECP underpinning brackets are used to support footing foundations.

Helical slab bracketing is an economical approach to adding support under a slab that is sagging or needs structural reinforcement due to new loads. These brackets can be used on floating or poured on grade slabs in a geometric pattern to support both live and dead loads imposed within the structure.

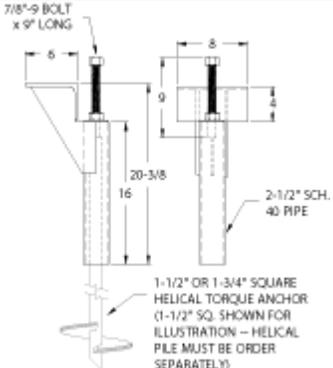
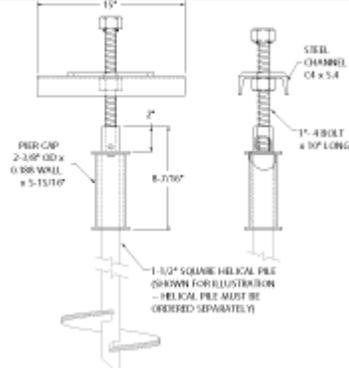
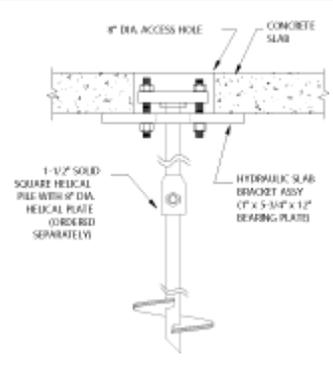
The ECP helical slab bracket are installed the same ECP / Enerpac manifold system that other reliable ECP foundation repair systems incorporate. This lifting system is the preferred method of lifting by engineers and foundation repair contractors alike. With a wide variety of capacities, ECP has a helical slab bracket system for most applications.

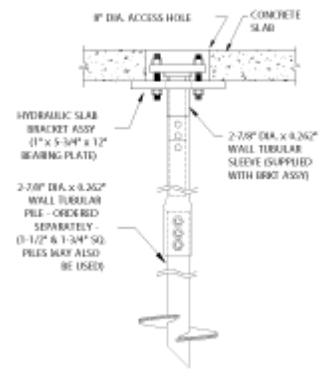
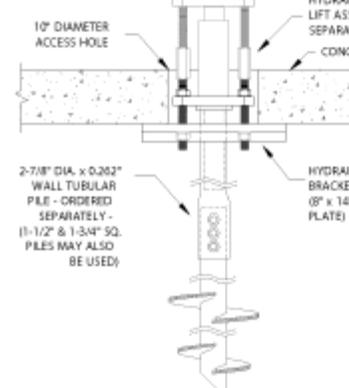
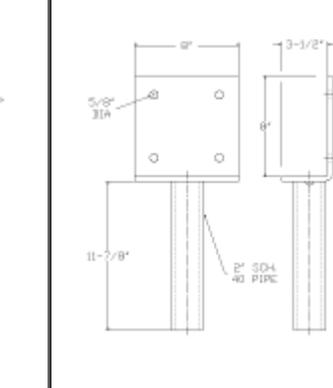
Helical Slab Brackets

Features	TAB-150-LP	TAB-150-SSB	TAB-150-HSB	TAB-288-LHSB	TAB-288-HSB
Ultimate Load	9,000	8,000	20,000	20,000	40,000
Hole Size	8"	8"	8"	8"	10"
Lift Capacity	4-1/2"	4-1/2"	4"	4"	4"



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Torque Anchor™ Porch & Slab Brackets		
TAB-150-LP Porch Bracket	TAB-150 SSB Slab Bracket	TAB-150-HSB Hydraulic Lift Slab Bracket*
 <p>7/8"-9 BOLT x 9" LONG</p> <p>5"</p> <p>9"</p> <p>20-3/8"</p> <p>16"</p> <p>2-1/2" SCH. 40 PIPE</p> <p>1-1/2" OR 1-3/4" SQUARE HELICAL TORQUE ANCHOR (1-1/2" SQ. SHOWN FOR ILLUSTRATION - HELICAL PILE MUST BE ORDER SEPARATELY)</p>	 <p>15"</p> <p>2-1/2" SCH. 40 x 5-15/16" PER CAP</p> <p>2"</p> <p>8-7/16"</p> <p>1-1/2" SQUARE HELICAL PILE (SHOWN FOR ILLUSTRATION - HELICAL PILE MUST BE ORDERED SEPARATELY)</p> <p>STEEL CHANNEL C6 x 5.4</p> <p>1" 4-BOLT 4 1/2" LONG</p>	 <p>8" DIA. ACCESS HOLE</p> <p>CONCRETE SLAB</p> <p>1-1/2" SQUARE HELICAL PILE WITH 8" DIA. HELICAL PILE (ORDERED SEPARATELY)</p> <p>HYDRAULIC SLAB BRACKET ASSY (8" x 14" BEARING PLATE)</p>

TAB-288-LHSB Hydraulic Lift Slab Bracket*	TAB-288-HSB Hydraulic Lift Slab Bracket*	TAB-150-TB (3.5 x 8) Timber Bracket4
 <p>8" DIA. ACCESS HOLE</p> <p>CONCRETE SLAB</p> <p>HYDRAULIC SLAB BRACKET ASSY (1" x 5-3/4" x 12" BEARING PLATE)</p> <p>2-7/8" DIA. x 0.262" WALL TUBULAR SLEEVE (SUPPLIED WITH BRKT ASSY)</p> <p>2-7/8" DIA. x 0.262" WALL TUBULAR PILE - ORDERED SEPARATELY - (1-1/2" & 1-3/4" SQ. PILES MAY ALSO BE USED)</p>	 <p>10" DIAMETER ACCESS HOLE</p> <p>HYDRAULIC RAM & LIFT ASSY (ORDER SEPARATELY)</p> <p>CONCRETE SLAB</p> <p>2-7/8" DIA. x 0.262" WALL TUBULAR PILE - ORDERED SEPARATELY - (1-1/2" & 1-3/4" SQ. PILES MAY ALSO BE USED)</p> <p>HYDRAULIC SLAB BRACKET ASSY (8" x 14" BEARING PLATE)</p>	 <p>8"</p> <p>3-1/2"</p> <p>5/8" DIA.</p> <p>11-7/8"</p> <p>2" SCH. 40 PIPE</p>

PRODUCT DESIGNATION	FITS TORQUE ANCHOR	ULT.-LIMIT CAPACITY ^{1,3}	LIFT CAPACITY ²	PRODUCT DESIGNATION	FITS TORQUE ANCHOR	ULT. LIMIT CAPACITY ^{1,3}	LIFT CAPACITY ²
TAB-150-LP	1-1/2" Sq.	9,000 lb	4-1/2"	TAB-288-LHSB (8" Dia. Hole)	1-1/2", 1-3/4" Sq. & 2-7/8" Dia.	20,000 lb	4"
	1-3/4" Sq.	16,000 lb					
TAB-150 SSB (8" Dia. Hole)	1-1/2" Sq.	8,000 lb	4-1/2"	TAB-288-HSB (10" Dia. Hole)	1-1/2", 1-3/4" Sq. & 2-7/8" Dia.	40,000 lb	4"
TAB-150 HSB (8" Dia. Hole)	1-1/2" Sq.	20,000 lb	4"	TAB-150 TB	1-1/2" Sq.	20,000 lb	N/A



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* Load transfer and elevation recovery is accomplished using ECP Steel Pier™ Bracket Lift Assemblies (Purchased Separately) The TAB-150-HSB and TAB-288-LHSB Bracket requires an ECP Model 300 Lift Assembly and the TAB-288-HSB Bracket requires an ECP Model 350 Lift Assembly.

- The capacities listed for foundation brackets are mechanical ratings, and the actual installed load capacities are dependent upon the strength and condition of the concrete, and the specific soil conditions on the job site. Concrete strength for the above ratings was assumed to be 3,000 psi.
- Bracket lift height may be increased by ordering longer continuously threaded bracket rods.
- Capacities based upon “soft” soil values “N” > 5 blows per foot
- Special configurations to fit your project can be fabricated to your specifications upon request. Allow extra time for processing.

ECP helical slab brackets are a top choice for foundation repair contractors and foundation design engineers for concrete slab support. For more technical information about these ECP helical pier products, go to the ECP Engineering section.



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