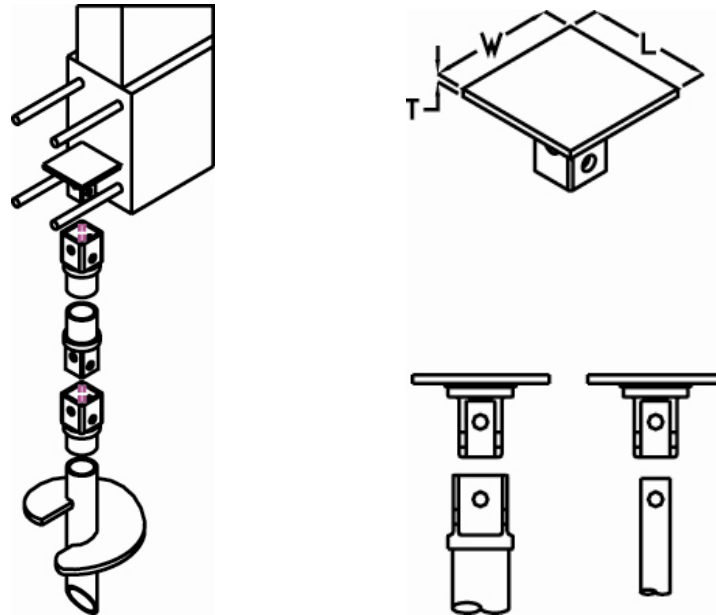


New Construction Brackets for 2-7/8", 3-1/2", and 4-1/2 Pipe Piles

New construction brackets are attached onto the installed RCS (Round Corner Square shaft). The bracket provides load transfer from the structure foundation to the helical pile. If the foundation pile will be loaded in tension, then the bracket must be bolted to the pile. Typically the helical pile is installed to the required depth and the top of the shaft to the required elevation. The new construction bracket attached to the extensions and concrete is poured and encapsulates the bracket. Rebar may be added if specified.

ICC AC358 Acceptance Criteria for Helical Foundation Systems and Devices APPLICATION # 09-10-09

Typical Installation of New Construction Brackets



Features and Benefits:

- Used for tension and compression loads
- Used for new foundation construction
- Helical pile installed with no vibration
- Available for immediate use
- No spoils
- Contributes to “Green” environment
- Available standard hot dip galvanized ASTM A-153 or black (not coated)
- ICC AC358 Acceptance Criteria For Helical Foundation Systems and Devices Tests



Building Solid Foundations

11411 Addison Avenue • Franklin Park, IL 60131

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New Construction Brackets for 2-7/8", 3-1/2", and 4-1/2 Pipe Piles

Catalog Numbers

| NEW CONSTRUCTION BRACKETS | Cat. Prefix | Shaft | W in. | L in. | T in. | Bolt in. | qty | Gr. | Maximum Compression Load (lbs) | Allowable Compression Load (lbs) |
|---------------------------|-------------|------------------|-------|-------|-------|----------|-----|-----|--------------------------------|----------------------------------|
| NCB060604P28 | P28 | 2-7/8ODx.203" | 6 | 6 | 1/2 | 3/4 | 2 | 5 | 60 | 30 |
| NCB080804P28 | P28 | 2-7/8ODx.203" | 8 | 8 | 1/2 | 3/4 | 2 | 5 | 60 | 30 |
| NCB060604P28H | P28H | 2-7/8ODx.276" | 6 | 6 | 1/2 | 3/4 | 2 | 5 | 72 | 36 |
| NCB080804P28H | P28H | 2-7/8ODx.276" | 8 | 8 | 1/2 | 3/4 | 2 | 5 | 72 | 36 |
| NCB080804P35 | P35 | 3-1/2 OD x .216" | 8 | 8 | 1/2 | 7/8 | 2 | 5 | 80 | 40 |
| NCB101006P35 | P35 | 3-1/2 OD x .216" | 10 | 10 | 3/4 | 7/8 | 2 | 5 | 80 | 40 |
| NCB101006P35H | P35H | 3-1/2OD x .300" | 10 | 10 | 3/4 | 7/8 | 2 | 5 | 105 | 52.5 |
| NCB101006P45 | P45 | 4-1/2 OD x .237" | 10 | 10 | 3/4 | 1 | 2 | 5 | 120 | 60 |
| NCB101006P45H | P45H | 4-1/2OD x .337" | 10 | 10 | 3/4 | 1 | 2 | 5 | 156 | 78 |

MacLean-Dixie Helical Piles and Anchors undergoing rigorous testing at an IAS accredited lab to ICC AC358 Acceptance Criteria for Helical Foundation Systems and Devices. Ongoing quality control program per AC10 with inspections by an IAS accredited inspection agency per AC98



Typical New Construction Application



Full Scale Field



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