



DWYER of ALABAMA



Feature Project:



Project Name: Dialysis Clinic
Owner/Property Manager: Collateral Properties
Project Type: Building Stabilization/ Settlement Repair using Helical Piles, Slabjacking & Pressure Grouting
Location: Birmingham, Alabama

Project Description: Dwyer Companies was contacted by Bhate Geotechnical Consultants to provide an alternative stabilization plan to an existing 10,000 ft² office building in Birmingham. The slab was unsuccessfully pressure grouted by two local firms in 2001 and 2005. During those times the owner was unfamiliar with the helical pier technology and chose pressure grouting as their only option. After Dwyer and Bhate representatives assessed the previous repairs, it was determined that both the slab and foundation system were settling due to unconsolidated fill material beneath the previous area of repair. Dwyer Companies was selected by the property owner to install the Magnum Helical anchor system. This engineered helical pier system was attractive to the owners because of its ability to penetrate unstable fill soils and develop the design requirement of 24 kips of ultimate capacity for stabilization. Another advantage of using helical piers was the sites limited access, which required all machinery to fit through a standard 33" man door. The entire project was completed over two weekends, which allowed the tenants to work without any disruptions during normal business hours.



Capacity Properties														
Part #	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Part #	P.A.L.	TORQUE P.A.L.	TORQUE P.A.L.	TORQUE P.A.L.	TORQUE P.A.L.	TORQUE P.A.L.	TORQUE P.A.L.	TORQUE P.A.L.	TORQUE P.A.L.	TORQUE P.A.L.	TORQUE P.A.L.	TORQUE P.A.L.	TORQUE P.A.L.	TORQUE P.A.L.
Capacity	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Part #	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Part #	P.A.L.	TORQUE P.A.L.	TORQUE P.A.L.	TORQUE P.A.L.	TORQUE P.A.L.	TORQUE P.A.L.	TORQUE P.A.L.	TORQUE P.A.L.	TORQUE P.A.L.	TORQUE P.A.L.	TORQUE P.A.L.	TORQUE P.A.L.	TORQUE P.A.L.	TORQUE P.A.L.
Capacity	4	4	4	4	4	4	4	4	4	4	4	4	4	4

SLAB JACK PIER CAP
P/N: MHC1100

Product Specifications

Material:
Channel to be ASTM A36 or better.
Tube to be ASTM A500 Grade C or better.
Hex bolt and nut to be Grade 5 or better.

Product Weight: 34 lbs

Capacity:
See Magnum Helical Foundations Technical Reference Manual for specific capacity information.

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