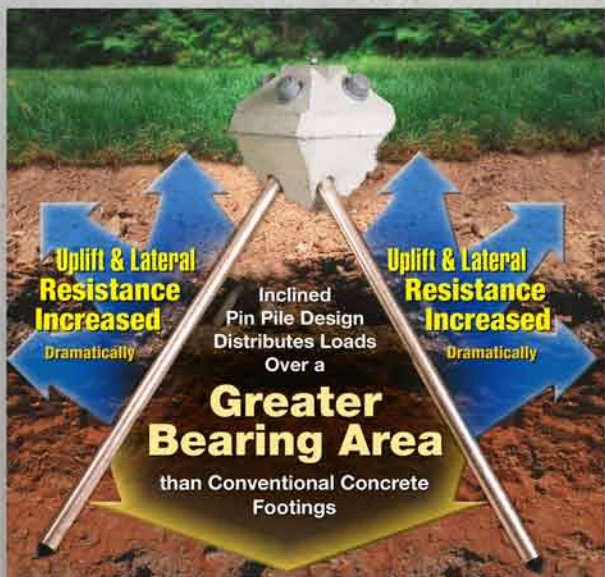


Building Beyond the Standard...

Construction without Excavation!



Low Environmental Impact
Undisturbed Soil
for a Clean Job Site



DiamondPier[®]
FOUNDATION SYSTEM
 with Pin Pile Technology

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DiamondPier[®]

Meets or Exceeds the Performance of Conventional Concrete Footings

A Structurally Rated, Code Compliant Foundation System

- Combines Pin Pile Technology with High-Strength Concrete
- Install in Minutes... Frame Immediately
- Complete Projects 1 to 2 Days Faster
- Low Environmental Impact... a Clean Job Site
- Can be Removed and Reinstalled
- Proven Performance... Over 25-Year Track Record

...with a Lifetime Warranty *Covering Parts and Labor!*

For over 25 years, the **US Department of the Interior** has chosen Diamond Pier as the foundation system for some of their most demanding projects.



Silts/Clays Minimum 1500 psf (CL, ML, MH, CH)**

Model No./ Pin Length	Bearing Load Capacity	Equivalent Base Area	Cylinder Comparison	Frost Zone	Uplift Load Capacity	Lateral Load Capacity
DP-50/36"	2700#	1.8 sf	18" dia	24"	600#	600#
DP-50/42"	* 3000#	2.0 sf	19" dia	36"	* 900#	* 600#
DP-50/50"	3300#	2.2 sf	20" dia	48"	1200#	600#
DP-75/50"	* 3750#	2.5 sf	21" dia	48"	* 1400#	* 600#
DP-75/63"	4200#	2.8 sf	22" dia	60"	1600#	600#

* Interpolated from field test values

Sands/Gravels Minimum 2000 psf (SW, SP, SM, SC, GM, GC)**

Model No./ Pin Length	Bearing Load Capacity	Equivalent Base Area	Cylinder Comparison	Frost Zone	Uplift Load Capacity	Lateral Load Capacity
DP-50/36"	3600#	1.8 sf	18" dia	24"	600#	600#
DP-50/42"	* 4000#	2.0 sf	19" dia	36"	* 900#	* 600#
DP-50/50"	4400#	2.2 sf	20" dia	48"	1200#	600#
DP-75/50"	* 5600#	2.8 sf	22" dia	48"	* 1400#	* 600#
DP-75/63"	6400#	3.2 sf	24" dia	60"	1600#	600#

* Interpolated from field test values

LOAD CHART

Load Chart to be used for Normal Soil Conditions Only. See Manufacturer's Installation Manual for definitions and additional chart notes. DP-50 and DP-75 capacities used in conjunction with Manufacturer's "Use and Applications" document. ** See IRC Table R401.4.1 (Presumptive Load-Bearing Values of Foundation Materials) for a full description of applicable 1500 psf and 2000 psf soil types. For soils below 1500 psf, or soils with unknown characteristics, additional site and design analysis is required. For soils above 2000 psf, the values in this chart shall apply.



DiamondPier[®] FOUNDATION SYSTEM

- Pin Pile Technology combined with a High-Strength Concrete Head that Meets or Exceeds ACI 318 Standards
- Galvanized Pins Meet or Exceed ASTM Standards
- High-Impact Inspection Plugs • Pin Caps Install After Inspection
- Cast-in, Galvanized Anchor Bolt to Secure Standard Post Brackets

For all applications, refer to the manufacturer's complete Installation Manual.



MODEL DP-50

- Loads Up To 4400#
- 36", 42" or 50" Pins
- Use in Areas with a Frost Depth Up To 48"

MODEL DP-75

- Loads Up To 6400#
- 50" or 63" Pins
- Use in Areas with a Frost Depth Up To 60"



Pin Driving Bit

For use with most breaker hammers that accept a 1-1/8" hex shaft.

Available at www.DiamondPiers.com



The Diamond Pier DP-50 and DP-75 Models are recognized by the International Code Council (ICC) for residential applications. The ESR Code Compliance Document and Detail Drawings are available on our website... www.DiamondPiers.com/ESR

Documents to Submit with a Permit Application

- ESR-1895 Code Compliance Document
- Wisconsin UDC Approval Evaluation
- Detail Drawings and Load Chart