

PRODUCT MATRIX

Single-Bolt Diamond Pier Models

Model >	DP-50	DP-75	DP-100E	DP-200E
Weight (lb)	56	74	96	210
Concrete Head Limit (lb)	4500	6500	9000	18000
Pin Outside Diameter (in.)	1.315	1.67	1.9	2.375
Pin Lengths (in.)	36, 42, 50	50, 63	42, 50, 63, 84, 126	50, 63, 84, 126
Bolt Diameter (in.)	1/2	5/8	5/8	5/8, 3/4
Bolt Height (in.) ±1/8 in.	3/4	7/8	7/8	7/8
Pin Orientations	Right of Center	Right of Center	Right of Center	Left of Center
Plinth Size (sq. in.)	5-5/8 x 5-5/8	5-5/8 x 5-5/8	5-7/8 x 5-7/8	9 x 9
Plinth Orientation	Rotated 19° CCW	Rotated 19° CCW	Rotated 19° CCW	Rotated 19° CW
Inspection Plugs	Available	Available	Special Order	Not Available
Caps	Standard, Sealable	Standard, Sealable	Standard, Sealable	Raised, Not Sealable
Tamping Plate	Not Available	Special Order	Special Order	Not Available
Driving Bit	Standard from PFI	Standard from PFI	Standard from PFI	Heavy Duty*
Piers per Pallet	45	24	18	8
Weight per Pallet (lb)	2600	1900	2000	1800

Four-Bolt (4B) Diamond Pier Models

Bolt Diameter (in.)	Not Available	1/2	5/8	5/8, 3/4
Bolt Height (in.) ±1/8 in.	Not Available	7/8	2-3/8	3-1/8
Bolt Spacing (in.)	Not Available	4-1/2 OC	5-1/4 OC	7-1/2 OC

*Bit may be procured from Pin Foundations, Inc., or by contacting Brunner & Lay, 847-678-3232, model # B31-863.

Notes:

1. All bolts are hot dipped galvanized steel. Stainless steel bolts are an option as a custom run on all models except DP-50.
2. Where possible, custom bolt spacing, depth, and increased height are also available by special order.
3. Concrete head limits do not indicate design loads; actual pier capacity is determined by soil strength only.