

PIERESEARCH® YOUR SOLUTION TO REBAR CAGE ALIGNMENT

Integrated Systems for Every Job

QUICK-LOCK® PIER WHEELS

Fit numbers 3 through 7 rebar ties. Installation is a simple process and is designed to properly position a reinforcing steel cage in a bored/drilled shaft with a 2", 3" or 4" concrete cover requirement. Quick-Lock® and Quick-Lock HD® pier wheels are also perfect for a variety of other applications where concrete cover must be maintained.



Quick-Lock HD®

Quick-Lock®

QUICK-LOCK HD® PIER WHEELS

Fit numbers 3 through 7 rebar ties. Installation is a simple process and is designed to properly position a reinforcing steel cage in a bored/drilled shaft with a 2", 2.5", 3", 4", 5" or 6" concrete cover requirement.

Part No.	Description
4QLPW	4" Quick-Lock®: provides 2 inches* of concrete cover & fits rebar sizes #3 thru #7
6QLPW	6" Quick-Lock®: provides 3 inches* of concrete cover & fits rebar sizes #3 thru #5
8QLPW	8" Quick-Lock®: provides 4 inches* of concrete cover & fits rebar sizes #3 thru #7

Part No.	Description
4QLHD	4" Quick-Lock HD®: provides 2 inches* of concrete cover & fits rebar sizes #3 thru #7
6QLHD	6" Quick-Lock HD®: provides 3 inches** of concrete cover & fits rebar sizes #3 thru #7
7QLHD	7" Quick-Lock HD®: provides 3 inches* of concrete cover & fits rebar sizes #3 thru #7
8QLHD	8" Quick-Lock HD®: provides 4 inches** of concrete cover & fits rebar sizes #3 thru #7
12QLHD	12" Quick-Lock HD®: provides 6 inches** of concrete cover & fits rebar sizes #3 thru #7

*Actual Clearance or Concrete Cover is measured from the outside of the circle tie, spiral, etc. of the reinforcing steel cage to the side of the drilled shaft.

**Nominal Clearance or Concrete Cover is measured from the outside of the vertical bar of the reinforcing steel cage to the side of the drilled shaft.

QUICK-LOCK® PIER BOOTS

Designed to support a reinforcing steel cage off the floor of a bored/drilled shaft. Installation is accomplished in seconds by simply pushing the Quick-Lock® Pier Boot onto the end of a vertical bar of the rebar cage.



3PB Quick-Lock Pier Boot®

6PB Quick-Lock Pier Boot®

Part No.	Description
3PB	3" Pier Boot: provides 3 inches of concrete cover & fits rebar sizes #5 thru #14
6PB	6" Pier Boot: provides 6 inches of concrete cover & fits rebar sizes #6 thru #14

QUICK-ZIP BAR BOOSTER®

Designed to support a reinforcing steel cage within a bored/drilled shaft with a 3" concrete cover requirement. Attach to rebar of any size. The zip tie used for attachment is made of 170 pound tensile strength resin. Installation is accomplished in seconds by simply positioning the Quick-Zip Bar Booster® on the end of a vertical bar of the cage and pulling the zip tie taut.



Quick-Zip Bar Booster®

The recommended spacing for installation of the pier boot and Bar Booster® is one every other vertical bar for piers under 48 inches in diameter or one on every vertical bar for piers 48 inches in diameter and over.

MANUFACTURER and ORDERING

PiereSearch • 501 E Main Street • Arlington, TX 76010
 800/342-2409 • 817/277-3738 • Fax 817/275-2335
 Website: www.pieresearch.com Email: sales@pieresearch.com

Visit our website for spec kits, how-to videos and ordering information. All PiereSearch concrete accessories are proudly made in the United States of America.

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The table below illustrates the recommended number of **Quick-Lock® pier wheels** to be used on a per shaft basis.
 The actual number can vary subject to the number of vertical bars of the reinforcing steel cage.
 The structural engineer is the governing authority. When in doubt, please check with the structural engineer.

RECOMMENDED QUICK-LOCK® WHEELS PER REINFORCING CAGE					
Pier Shaft Depth In Feet	Pier Shaft Diameter In Inches				
	Under 30"	31" to 48"	49" to 72"	73" to 96"	97" to 120"
0' to 12'	9	12	18	24	30
13' to 24'	14	18	27	36	45
25' to 36'	18	24	36	48	60
37' to 48'	23	30	45	60	75
49' to 60'	27	36	54	72	90
61' to 72'	32	42	63	84	105
73' to 84'	36	48	72	96	120
85' to 96'	41	54	81	108	135
97' to 108'	45	60	90	120	150
109' to 120'	54	72	108	144	180
121' to 132'	59	78	117	156	195
133' to 144'	63	84	126	168	210

The table below illustrates the recommended number of **Quick-Lock HD® pier wheels** to be used on a per shaft basis.
 The actual number can vary subject to the number of vertical bars of the reinforcing steel cage.
 The structural engineer is the governing authority. When in doubt, please check with the structural engineer.

RECOMMENDED QUICK-LOCK HD® WHEELS PER REINFORCING CAGE				
Pier Shaft Depth In Feet	Pier Shaft Diameter In Inches			
	Up to 48"	49" to 72"	73" to 96"	97" to 120"
0' to 12'	8	12	16	20
13' to 24'	12	18	24	30
25' to 36'	16	24	32	40
37' to 48'	24	36	48	60
49' to 60'	28	42	56	70
61' to 72'	36	54	72	90
73' to 84'	40	60	80	100
85' to 96'	48	72	96	120
97' to 108'	52	78	104	130
109' to 120'	60	90	120	150
121' to 132'	64	96	128	160
133' to 144'	72	108	144	180

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