

Quick-Lock HD™ 6" Heavy Duty Pier Wheel

Patent Pending



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Quick-Lock HD™ installation is a simple process, and is designed to properly position a reinforcing steel cage in a drilled shaft with a 3" concrete cover requirement. Without proper alignment, the rebar cage cannot perform the function for which it was designed. Faulty alignment can cause foundation failure, which often leads to issues of contingent liability. Because the rebar cage cannot be inspected or tested after the concrete is placed in the drilled shaft, the cage must be aligned properly the first time.

Quick-Lock HD™ pier wheels are made of ultra strong, noncorrosive polypropylene and fit numbers 3 through 6 rebar ties. They are also perfect for a variety of other applications where concrete cover must be maintained.

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The tables below illustrate the recommended number of Quick-Lock HD™ space wheels and Bar Booster™ pier bolsters 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 and the weight of the 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				
<i>Pier Shaft Depth in Feet</i>	<i>Per Shaft Diameter in Inches</i>			
	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

Recommended Bar Boosters™ per Reinforcing Cage				
<i>Per Shaft Diameter in Inches</i>				
Under 30"	31" to 48"	49" to 72"	73" to 96"	97" to 120"
5	8	10	12	14