

Quick-Lock™ 6" Pier Wheel

 **PIERESearch**



Quick-Lock™ 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.

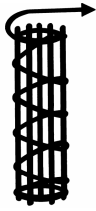
Quick-Lock™ pier wheels are made of ultra strong, noncorrosive polypropylene and fit numbers 3 through 5 rebar ties. They are also perfect for a variety of other applications where concrete cover must be maintained.

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The tables below illustrate the recommended number of Quick-Lock™ 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™ wheels per Reinforcing Cage					
<i>Pier Shaft Depth in Feet</i>	<i>Per Shaft Diameter in Inches</i>				
	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	45
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

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