

Magnum® Piering Helical Pile Cap Specifications



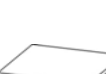






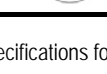

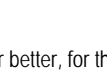

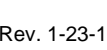


Magnum® Helical Pile Caps	System Ratings & Specifications									
	Description	Fits Helical Pile Diam. (in)	No. Bolts / Thru Holes	Bolt Hole Diam. (in)	Approx Weight (lbs)	Structural Capacity*		Termination	Surface Coating**	Schematic
						Ultimate (tons) Comp / Tens	Allowable (tons) Comp / Tens			
MHC1000-3	Grade Beam Cap	3.00	1	7/8		50 / 32	25 / 16	4"x6"x1" Plate w/ 2#7 Bars Horiz.	G, NG, EP	
MHC1000-3R	Grade Beam Cap	3.00	2	1		50 / 50	25 / 25	4"x6"x1" Plate w/ 2#7 Bars Horiz.	G, NG, EP	
MHC1040-3	Bond Bar Cap	3.00	1	7/8		32 / 32	16 / 16	Collar w/ 2#7 Bars Vert.	G, NG, EP	
MHC1040-3R	Bond Bar Cap	3.00	2	1		50 / 50	25 / 25	Collar w/ 3#7 Bars Vert.	G, NG, EP	
MHC1040-4	Bond Bar Cap	4.50	2	1.25		72 / 72	36 / 36	Collar w/ 4#7 Bars Vert.	G, NG, EP	
MHC1080-3	Tie-Back Cap	3.00	1	7/8		50 / 32	25 / 16	#10 Thread Bar x 3' w/ Nut	G, NG, EP	 Part No. MH19-- Sold Separately
MHC1080-3R	Tie-Back Cap	3.00	2	1		50 / 50	25 / 25	#10 Thread Bar x 3' w/ Nut	G, NG, EP	
MHC1080-4	Tie-Back Cap	4.50	2	1.25		97 / 97	48 / 48	#14 Thread Bar x 3' w/ Nut	G, NG, EP	
MHC1080-6	Tie-Back Cap	5.72	3	1.5		191 / 191	95 / 95	#20 Thread Bar x 3' w/ Nut	G, NG, EP	
MHC1100-3	Slab Lift Cap	3.00	0	n/a		32 / 0	16 / 0	6"x3.5"x3/8" - 16" long Channel with 1-1/8" Lifting Bolt	G, NG, EP	
MHC1120-3	Wood Beam Cap	3.00	1	7/8		16 / 16	8 / 8	L3.5"x3.5"x0.25" x 11" Long Angle w/ 5-1/2" Lags	G, NG, EP	
MHC1121-3	Wood Beam Cap	3.00	1	7/8		32 / 32	16 / 16	L4"x4"x3/8" x 21" Long Angle w/ 10-1/2" Lags	G, NG, EP	
MHC1122-3 (K-Brace Cap)	Wood Beam Cap	3.00	(4) Hilti EDS PAF			12 / 12	6 / 6	L8"x4"x1/8" x 8" Long Formed Angle w/ 4-1/2" Lags	G, NG, EP	
MHC1123-3	Wood Beam Cap	3.00	1	7/8		16 / 16	8 / 8	L8"x3.75"x1/8" x 6" Long Formed Angle	G, NG, EP	
MHC1130-3	Wood Corner Cap	3.00	1	7/8		16 / 16	8 / 8	(2) L3.5"x3.5"x0.25" - 7.25" Long Angles Oriented 90 deg	G, NG, EP	

Magnum® Piering

Helical Pile Cap Specifications (Cont.)



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						Ultimate (tons) Comp / Tens	Allowable (tons) Comp / Tens			
MHC1160-3	4x4 Post Cap	3.00	1	7/8		17 / 17	8 / 8	2" tall 3.625 x 3.625 x 3/16" Post Base	G, NG, EP	
MHC1161-3	6x6 Post Cap	3.00	1	7/8		32 / 32	16 / 16	3" tall 5.625 x 5.625 x 3/16" Post Base	G, NG, EP	
MHC1206-3 (a.k.a. MHC1162-3)	ID Plate Cap	3.00	1	7/8		32 / 32	16 / 16	6"x6"x3/8" Plate w/ 1/2" Threaded Hole	G, NG, EP	
MHC1207-3 (a.k.a. MHC1163-3)	OD Plate Cap	3.00	1	7/8		32 / 32	16 / 16	6"x6"x3/8" Plate w/ 1/2" Threaded Hole	G, NG, EP	
MHC1300-3	Bearing Plate Cap	3.00	1	7/8		50 / 32	25 / 16	5"x5"x1/4" Plate	G, NG, EP	
MHC1300-3R	Bearing Plate Cap	3.00	2	1		50 / 41	25 / 20	6"x6"x3/8" Plate	G, NG, EP	
MHC1300-4	Bearing Plate Cap	4.50	2	1.25		97 / 73	48 / 36	8"x8"x1/2" Plate	G, NG, EP	
MHC1300-625	Bearing Plate Cap	5.72	3	1.5		104 / 63	52 / 32	8.5"x8.5"x1/2" Plate	G, NG, EP	
MHC1300-637	Bearing Plate Cap	5.72	3	1.5		150 / 108	75 / 54	10"x10"x5/8" Plate	G, NG, EP	
MHC1300-646	Bearing Plate Cap	5.72	3	1.5		191 / 146	95 / 73	11"x11"x3/4" Plate	G, NG, EP	
MHC1308-6 (a.k.a. MHC1303-6)	Custom Plate Cap	5.72	3	1.5		97 / 73	48 / 36	8"x8"x1" Plate	G, NG, EP	
MHC1309-3 (a.k.a. MHC1306)	Custom Plate Cap	3.00	1	7/8		50 / 32	25 / 16	9"x9"x3/4" Plate	G, NG, EP	
MHC1312-3R (a.k.a. MHC1302-3)	Custom Plate Cap	3.00	2	1		50 / 50	25 / 25	12"x12"x3/4" Plate	G, NG, EP	
MHC1316-6 (a.k.a. MHC1305)	Custom Plate Cap	5.72	3	1.5		191 / 146	95 / 73	16"x16"x7/8" Plate	G, NG, EP	
MHC1412-3R (a.k.a. MHC1303-3)	Tilted Plate Cap	3.00	2	1		50 / 50	25 / 25	12"x12"x3/4" Plate	G, NG, EP	
MHC1416-6 (a.k.a. MHC1304)	Tilted Plate Cap	5.72	3	1.5		191 / 146	95 / 73	16"x16"x7/8" Plate	G, NG, EP	

*Note 1

Structural capacity of cap and pile system may be limited by the capacity of the pile and the structure to which the cap is connected. See Magnum® Helical Pile Specifications for more information. Capacity of the structure shall be determined by an engineer.

**Note 2

G=hot dip galvanized per ASTM A153/A123 as appropriate, NG=bare steel, EP=epoxy powder coated per ICC-ES AC228, P=Magnum blue paint

Notes and Specifications

All Magnum helical pile products are manufactured using minimum 65 ksi minimum yield strength structural tubing, or better, for the collar and ASTM A36 plate steel, or better, for the bearing plates. As Magnum is committed to testing and improving products, these specifications are subject to change. Additional product specifications available at www.magnumpiering.com and in the **Magnum Helical Pile Engineering Manual** available upon request.