

MAGNUM® MSC1172-175B1 Guy Anchor Cap

Allowable Capacity - 22 Tons Tension

4" x 6" x 1-1/4" Tension Lug & 2.375-Inch I.D. Collar

Fits MS175 Helical Piers

Description: MAGNUM® Guy Anchor Caps consist of a collar tube with bolt hole for connection to MAGNUM® helical piles and a tension lug with a 2-1/8" hole for shackle attachment. The guy anchor caps are manufactured in the USA according to our ISO 9001 approved quality program. Structural capacities are developed according to AISC 360 considering an average design life of 75 years for hot-dip galvanized steel in most soil conditions. Bare steel is available upon request. Design and detailing of the structure to which the guy anchor cap is attached varies by project and is the responsibility of registered design professional.

Specifications	
Collar Tube	0.25" x 2.375" I.D. ASTM A513, Fy = 65 ksi or Better
End Effector	4" x 6" x 1-1/4" plate w/ 2-1/8" hole. ASTM A36
Pile Connection	(1) 1" SAE J429 Grade 8 Zinc Coated to ASTM B695/F1941
Coating	Galvanized per ASTM A153/A123 (G), Bare Steel (NG), or Epoxy Coated per ICC-ES AC228 (EP)
Compatibility	MS175B
Capacity	
Ultimate Compression/ Tension	NA / 39 Tons
Allowable Compression/ Tension	NA / 22 Tons



Notes: Cap capacity considers tension in line with the pile. Ensure shackle pin diameter is at least 1-1/2 inch for full capacity of the cap. Strength of the shackle and any other attachment is the responsibility of registered design professional.



Installation Notes: After installation of a MAGNUM® Helical Pile to the correct, depth, torque and capacity, cut-off the pile shaft at the proper elevation. Drill (1) 1-1/16" diameter holes through the shaft using a MAGNUM® drill template. Place the pile cap over the shaft and secure with (1) 1" bolts. Snug tighten nuts. Alternatively, drilling through pile may be omitted and plug welds may be used to secure cap to pile in place of bolt, see MAGNUM® Technical Bulletin TB004.

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