

# MAGNUM® MSC1084-175B Tie-Back Cap

## Allowable Capacity - 26.7 Tons Tension

Clevis Side Plates & End Plate with 1.25" Hole for #9 Thread Bar  
Fits MS175 Helical Piers

**Description:** MAGNUM® Clevis Tie-Back Caps consist of two clevis plates and a square end plate with a hole for connection with a #8 threaded rod. The clevis tie-back 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 bare steel in most soil conditions. Hot-dip galvanizing is available upon request. Design and detailing of the structure to which the clevis tie-back cap is attached varies by project and is the responsibility of registered design professional including but not limited to waler size, bearing plate or wall facing (if any), and concrete cover as applicable.

Specifications	
Collar Tube	0.5" x 3-5/8" x 8" Clevis Plates, ASTM A36, Fy = 36 ksi or Better
End Effector	4" x 4" x 0.625" End Plate with (1) 1.25" Diameter Hole
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 / 45 Tons
Allowable Compression/ Tension	NA / 26.7 Tons

**Notes:** Cap capacity considers tension in line with the pile. Ensure thread bar nut has sufficient bearing on the end plate. Add washers if necessary.



**Installation Notes:** After installation of the 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 hole through the shaft using a MAGNUM® drill template. Place the anchor cap over the shaft and secure with (1) 1" bolt. Snug tighten nut. Pass thread bar with nut through the hole in the end plate and make necessary attachments.



Thread bar, Nut and Washers Sold Separately

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