

MAGNUM[®] MHC1080-41424 Tie-Back Cap

Allowable Capacity 48 Tons Compression / 48 Tons Tension

4.5-Inch I.D. Collar for use with (1) 24.00" No. 14, Gr. 75 Thread Bar & (1) #14 Nut

Fits MH425, MH425R, MH431, MH431R Magnum[®] Helical Piles



Description

Magnum MHC1080-41424 tie-back cap has 97 tons ultimate capacity, 48 tons working capacity in compression and tension. The tie-back cap consists of a collar tube with bolt holes for connection to Magnum helical piles and a 24.00" #14 thread bar and nut for attachment to various earth retention structures. The tie-back cap is designed in accordance with ICC-ES document AC358 as well as IBC, ACI, and AISC codes. Design and detailing of the structure to which the helical pile cap is attached varies by project and is the responsibility of registered design professional including waler size (if any), bearing plate, wall facing (if any), and concrete cover as applicable.

SPECIFICATIONS	
Collar Tube	0.31 in. x 4.50 in. I.D. ASTM A513 GR65+
End Effector	(1) 24.00" #14 GR75 Thread Bar & (1) #14 Nut - Plate & Washer Sold Separately
Pile Connection	(2) 1.25" SAE GR5 / ASTM A325
Surface Coating	Galvanized per ASTM A153/A123 (G), Bare Steel (NG), or Epoxy Coated per ICC-ES AC228 (EP)
Compatibility	MH425, MH425R, MH431, MH431R

CAP CAPACITY	
Ultimate Compression / Tension	97 Tons / 97 Tons
Allowable Compression / Tension	48 Tons / 48 Tons

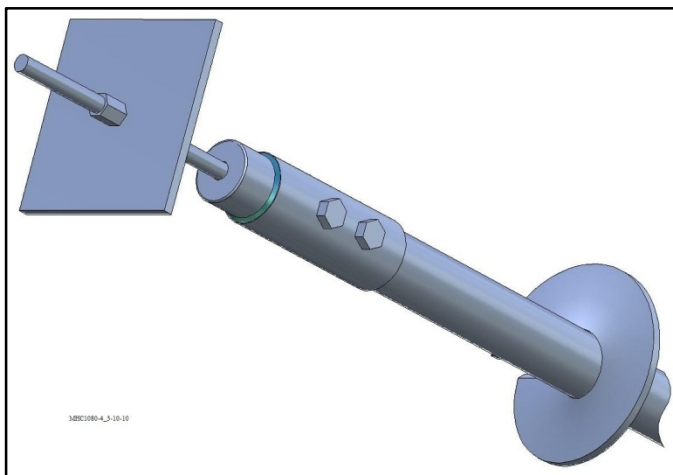
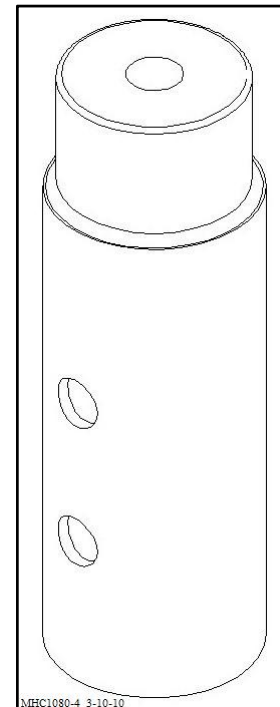


Plate & Washer Sold Separately

Installation Notes:

After installation of a Magnum Helical Anchor or Pile to the correct depth, torque, and capacity, begin by cutting-off the pile shaft at the proper elevation. For Bolted "B" applications, drill connection holes thru the pile shaft using a Magnum drill template. Install the pile cap, pile connection bolts, and snug-tighten nuts. For Welded "W" applications, plug weld cap in-place using the manufactured holes in the cap collar tube. Remove coatings from surfaces prior to welding. Snug tighten or post-tension thread bar nut against bearing plate as required for the project.

All Magnum Steel & Products Made in U.S.A.

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U.S. Patents 6,058,662 and 5,234,287; Other Patents Pending.