MAGNUM® MHC1300-7O1111B1 Bearing Plate Cap

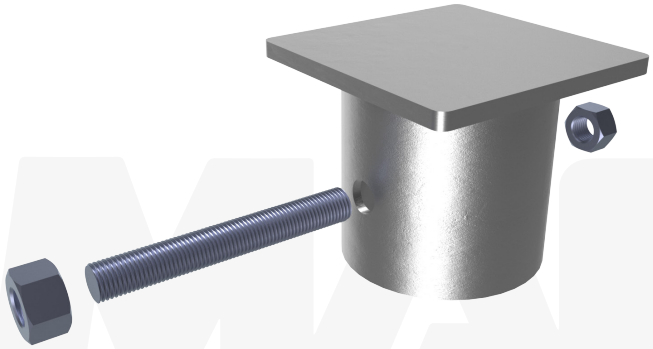
Allowable Capacity 82 Tons Compression / 39 Tons Tension

11” x 11” x 7/8” Bearing Plate & 7.25-Inch I.D. Collar

Fits MH736-6, MH740-6 & MH745-6 Helical Screw Piles

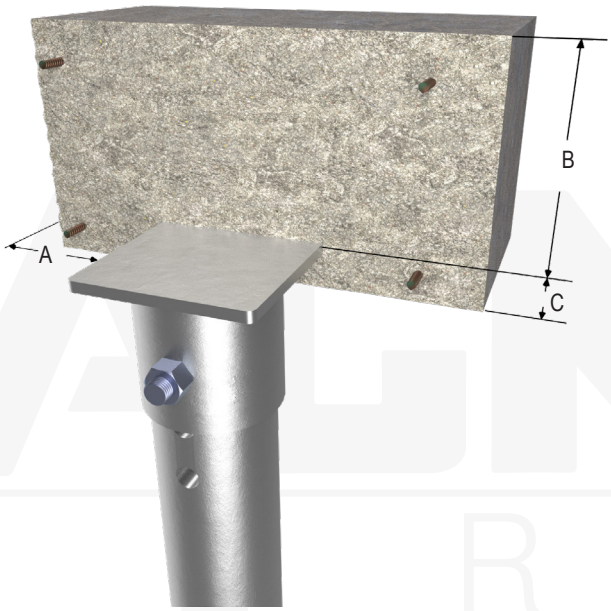
Description: MAGNUM® Bearing Plate Caps consist of a collar tube with bolt hole for connection to MAGNUM® helical screw piles and steel bearing plate for embedment in cast-in-place concrete. MAGNUM® products are manufactured in the USA according to our ISO 9001 approved quality program. Structural capacities are developed according to AISC 360 and ACI 318 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 bearing plate cap is embedded in varies by project and is the responsibility of the registered design professional.

Specifications	
Collar Tube	0.375” x 7.25” I.D. ASTM A252, Fy = 65 ksi or Better
End Effecter	11” x 11” x 7/8” Steel Bearing Plate
Pile Connection	(1) 1-1/2” ASTM A193 B7 Zinc Coated to ASTM B695/F194
Coating	Galvanized per ASTM A153/A123 (G), Bare Steel (NG), or Epoxy Coated per ICC-ES AC228 (EP)
Compatibility	MH736-6, MH740-6, MH745-6
Capacity	
Ultimate Compression/ Tension	164 Tons / 78 Tons
Allowable Compression/ Tension	82 Tons / 39 Tons



Notes: Cap capacity is developed using the ASD design method and considers strength of collar, end effecter, and pile connection. Capacity may be limited by the helical pile, bearing/pullout capacity of soil, or strength of the concrete the cap is embedded in.

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) 1-9/16” diameter hole through the shaft using a MAGNUM® drill template, place the cap over the shaft and secure with (1) 1-1/2” bolt. Snug tighten nut. Ensure direct bearing of plate on shaft. Place reinforcing steel, cast concrete and consolidate around the pile cap per project requirements.



A - As Required for Shear (Min. 4” per IBC)
B - As required for Compression. See pages 184-185.
C - As Required for Tension (Min. 3” per IBC). See pages 184-185.

MAGNUM PIERING
designed to support
156 Circle Freeway Dr.
Cincinnati, OH. 45246
800-822-7437
www.MagnumPiering.com