MAGNUM® MP1028-3 Lifting Bracket

Allowable Capacity 25 Tons Compression / 5 Tons Tension

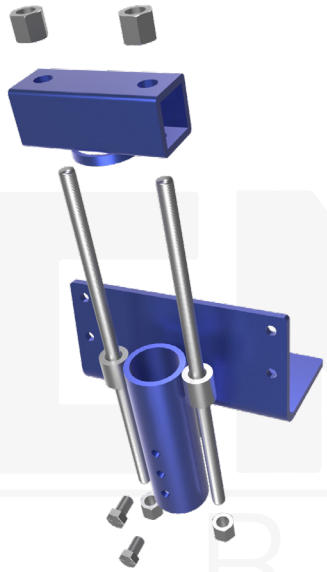
8" x 8" x 15" x 1/2" Plate with (4) 9/16" Thru Holes and 3.13" I.D. Collar with 5° Angle
Fits MH313B, MH313BR, MH325B, MH325BR(-6) Helical Piles
and MP313, MP322, MP325 Steel Push Piers

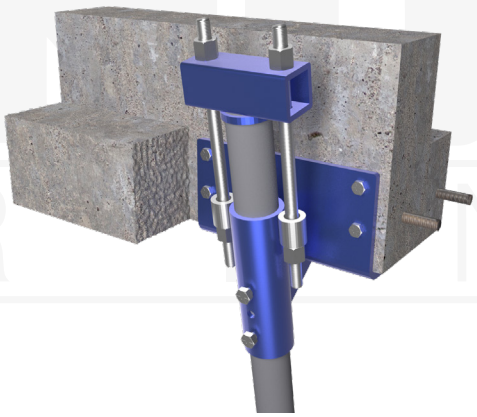
Description: The MAGNUM® Lifting Bracket consists of a steel angle and collar tube with (3) 3/4" threaded bolt holes for connection to MAGNUM® Push Piers or Helical Piles via a pair of threaded rods and steel T-Beam. MAGNUM® products are manufactured in the USA according to our ISO 9001 approved quality program. MAGNUM® brackets are designed in accordance with ICC-AC358, IBC, ACI, and AISC codes. Design and detailing of the connection to the structure varies by project and is the responsibility of the registered design professional including maximum concrete span, pier spacing, concrete shear, and concrete bearing.

Specifications	
Collar Tube	0.37 in. x 3.13 in. I.D. ASTM A513, Fy = 65 ksi or Better
Configuration	8" x 8" x 15" x 1/2" Plate with (4) 9/16" Thru Holes for 1/2" Expansion Anchors
Pile Connection	3" x 3" x 3/8" Cross Beam, Plus Optional 3/4" Thru Bolt (for Tension)
Surface Coating	Galvanized per ASTM A153/A123 (G), Bare Steel (NG) or Standard MAGNUM® Blue Paint (P)
Compatibility	MH313B, MH313BR, MH325B, MH325BR(-6), MP313, MP322, & MP325

Connection Type	Ultimate Capacity* 0.13 / 0.25 Wall Pile	Allowable Capacity* 0.13 / 0.25 Wall Pile
 Single Bolted	10 Tons / 18 Tons	5 Tons / 9 Tons
 Double Bolted	17 Tons / 35 Tons	8 Tons / 18 Tons
 Triple Bolted	28 Tons / 50 Tons	14 Tons / 25 Tons

*Bracket connection to pile consists of field threaded blind bolts as described in Section 7-13 of AISC Code. Capacities shown are based on IAS accredited laboratory testing of MAGNUM® products.





Installation Notes: Prepare the existing foundation. For steel push pier applications, apply a grout bed of high strength, fast setting, non-shrink grout at a minimum of 1/2" thick to the bottom angle face, then attach the bracket and MAGNUM® ram. Install the push pier to the required pressure and load test. For helical pile applications, pot-hole excavate the pile location so the helix bearing plates fit below the existing foundation and the shaft is as close as possible to the face of the foundation. Install the helical pile at 5° from vertical to the correct depth and torque. Mount the bracket by sliding down the shaft rotating into position. Prior to rotating the bracket into position, apply a grout bed of high strength, fast setting, non-shrink grout at a minimum of 1/2" thick to the bottom angle face In both cases, lift the structure as needed using either a "wide" MAGNUM® ram or hydraulic jack with top lifting fixture. After lift, tighten hex nuts against cross beam. Release pressure and remove ram or jack. If desired, trim thread bars flush with top of nuts. For tension applications, a minimum of (1) 3/4" bolt must be tapped and blind threaded into pile shaft. (Expansion Anchors Sold Separately)

MAGNUM PIERING
designed to support

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