MAGNUM® MP1007-3 Pivot Angle

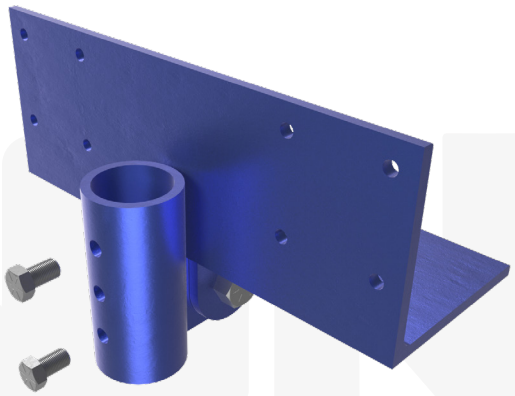
Allowable Capacity 25 Tons Compression / 11 Tons Tension

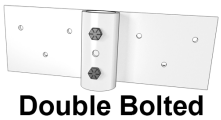
8” x 8” x 21” x 1/2” Angle with (12) 9/16” Thru Holes and 3.13” I.D. Collar

Fits MH313B, MH313BR, MH325, MH325BR Helical Piles and MP313, MP325 Steel Push Piers

Description: The MAGNUM® Pivot Angle Bracket consists of a collar tube with (3) 3/4″ threaded bolt holes for connection to MAGNUM® Push Piers or Helical Piles and a steel angle with thru holes for attachment to existing concrete using expansion anchors. 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 21″ x 1/2″ Angle with (12) 9/16” Thru Holes for 1/2″ Expansion Anchors
Pile Connection	(1, 2, or 3) 3/4″ SAE J429 Grade 8 Zinc Coated to ASTM B695/F1941
Surface Coating	Galvanized per ASTM A153/A123 (G) or Standard MAGNUM® Blue Paint (P)
Compatibility	MH313B, MH313BR, MH325B, MH325BR(-6), MP313 & 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, excavate the pier 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 to the correct depth and torque. Mount the bracket by sliding down the shaft and rotating into position. Prior to sliding 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 MAGNUM® ram or lifting fixture. Drill holes and bolt the bracket to the pile. (Expansion Anchors Sold Separately)

U.S. Patents 5,234,287, 4,708,528, 5,123,209

MAGNUM PIERING designed to support

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