

MAGNUM® MP1009 Micropile Bracket

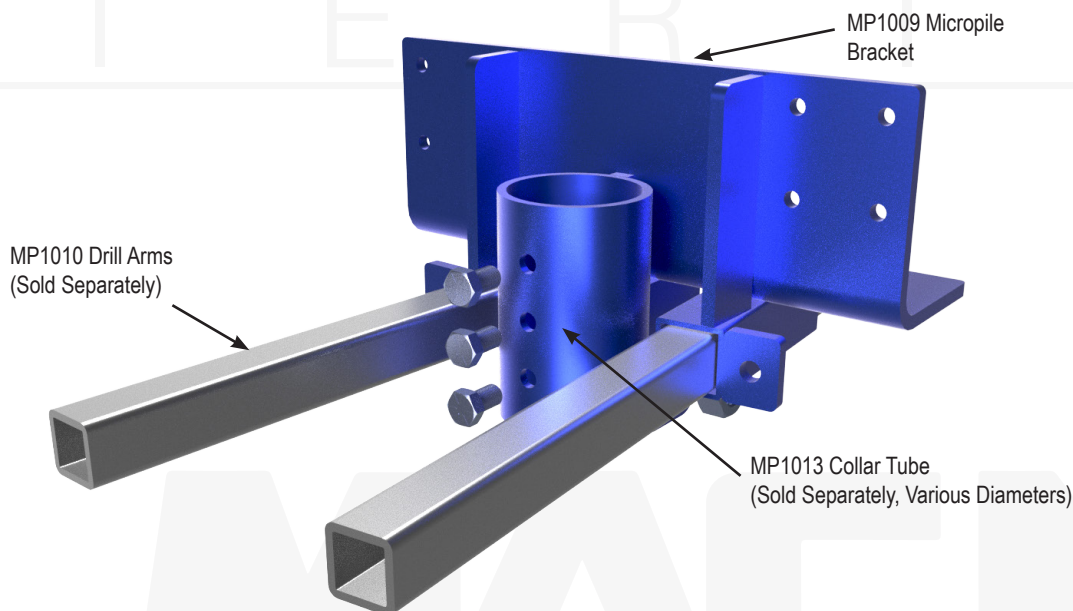
Allowable Capacity 26 Tons




8" x 6" x 21" x 3/8" Angle with (8) 9/16" Anchor Holes

Fits 3", 3.5", 4" & 4.5" O.D. Steel Micropile Casings

| Specifications | |
|-----------------|--|
| Collar Tube | 0.37 in. x 3", 3.5", 4" or 4.5" I.D. ASTM a513, Fy = 65 ksi or better |
| Configuration | 8"x6"x21"x3/8" Angle w/ (8) 9/16" Anchor Holes |
| 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) or Epoxy Coated per ICC-ES AC228 (EP) |
| Compatibility | 3", 3.5", 4" or 4.5" O.D. Steel Micropile Casings |

Description: MAGNUM® Micropile Bracket consists of a hinged collar tube with (3) 3/4" threaded bolt holes for connection to micropile casing and a steel angle with thru holes for attachment to existing concrete using expansion anchors. The bracket also has integrated motor mount support points to easily align micropile placement. MAGNUM® products are manufactured in the USA according to our ISO 9001 approved quality program. MAGNUM® brackets are designed in accordance with ICC-AC308, 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.



| Connection Type | Ultimate Capacity* 0.13 / 0.25 Wall Casing | Allowable Capacity* 0.13 / 0.25 Wall Casing |
|---|---|--|
|  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 |

Installation Notes: 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. After grout sets, attach drill support arms and mount drill. Drill micropile to the specified depth. Install desired reinforcing steel bar, grout and a 6ft minimum length section of casing at the top of the pile. Slip appropriate collar tube over the micropile casing and secure to bracket with (1) 1-1/4" bolt. Remove the drill and drill arms for use on the next micropile. Once the micropile grout has cured a MAGNUM® ram or MAGNUM® lifting kit, with the appropriate sized shoe, can be used to life and re-level the structure if necessary. Lock-off the pile to the bracket with one, two or three 3/4" Grade 8 bolts, or weld. (Expansion Anchors Sold Separately)

*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.

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156 Circle Freeway Dr.
Cincinnati, OH 45246
800-822-7437
www.MagnumPiering.com