MAGNUM® Helical Pile Sizing Guide (tons)

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MS150B, MS175B, MH2325U, MH222U, MH227U(-6), MH313B, MH313BR, MH325B, MH325BR(-6) Series Helical Piles in Sedimentary Rock

Bedrock Hardness very medium hard hard hard Helix Diameters = 8D10D12D Mechanical Limit of MS175B Piers 50 Mechanical Limit of MH325BR Piles 10D12D 45 Mechanical Limit of MH325BR-6 Piles Mechanical Limit of MH227U Piles 40 8D10D Required Ultimate Helical Pile Capacity (tons) Mechanical Limit of MS150B Piers Mechanical Limit of MH222U Piles Mechanical Limit of MH227U-6 Piles Mechanical Limit of MH325B Piles Mechanical Limit of MH2325U Piles Mechanical Limit of MH313BR Piles Mechanical Limit of MH313B Piles 15 Possible Refusal of Helical Pile Beyond This Point (SPT>50/6")

Limitations: Helical pile sizing charts represent an estimate of the theoretical ultimate capacity of helical piles in ground. Installation torque and load tests, where applicable, should be used to verify capacity. Helical pile performance is a function of installation, which Magnum cannot control, and ground conditions, which can vary with location and depth; as such, no warranty is made, express or implied, regarding foundation product capacity in ground. Magnum recommends bidders include provisions for additional pile length and/or obstructions in their bid documents

70

Standard Penetration Resistance Blow Count (blows/12 inches)

100

Legend:

80

Dual Cutting Edge