

# MAGNUM® MJP100C Jacked Pile Coupling

## 75 Tons Allowable Capacity in Compression

High-Strength Inner-Sleeve Coupling

Fits 10.75" Diameter x 0.31" Wall Steel Jacked Piles



### Description

Push piers and jacked piles are essentially the same type of foundation. In this catalog, the term push piers is used for more slender piles that are generally installed from the side of an existing foundation. Whereas, the term jacked piles is used for larger diameter piles that are installed from jacking pits excavated directly below the center of an existing foundation. Push piers generally do not require special excavation shoring; they promote improved worker safety, and the installation is generally faster. Jacked piles do require special excavation shoring and are slower to install. However, jacked piles exert less rotational stresses on an existing foundation and sometimes can be installed to higher capacity. Special precautions are required for excavation shoring and worker safety.



### SPECIFICATIONS

Shaft	HSS 10.0" O.D. x 23.5" Long ASTM A513 Grade 65 ksi, or Equivalent
I	New= 91.05 in <sup>4</sup> , Corroded= 72.90 in <sup>4</sup>
A <sub>g</sub>	New= 7.66 in <sup>2</sup> , Corroded= 6.13 in <sup>2</sup>
S	New= 18.21 in <sup>3</sup> , Corroded= 14.65 in <sup>3</sup>
Coating	Hot-Dip Galvanized (G), Bare Steel (NG), or Epoxy Powder Coated (EP)
Jacked Pile Shaft	10.75" O.D. x 0.31" Wall (Sold Separately)

### STRUCTURAL CAPACITY IN COMPRESSION\*

150 Tons	Ultimate
75 Tons	Allowable

**\*Note 1:** Structural capacity is based on capacity of welded center ring after 75 years corrosion for bare steel. Jacked piles shall be installed to appropriate depth into suitable bearing stratum as determined by geotechnical engineer or local practice. For tension capacity, push pier sections must be welded together or a reinforcing steel bar and grout must be placed in the pile.

**Note 2:** Jacked pile capacity is determined by load test using a hydraulic ram centered on the foundation. All jacked piles shall be load tested to 1.5 times the desired working load. Test load is limited by maximum safe operating ram pressure of the ram, available dead load of the existing foundation, or structural capacity of the foundation, whichever is less.

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U.S. Patents 6,058,662 and 5,234,287; Other Patents Pending.