# Standard Specifications

*Pile Power Piers 2-7/8" Model P-101 Design and Performance Specifications.*

## Pier Capacity

### Pier design loads for 2 7/8″ diameter pipe (model P-101)

| | |
|---|---|
| *Yield Strength Minimum* | *55,000 Ksi* |
| *Tensile Strength Minimum* | *75,000 Ksi* |
| *Ultimate Load Capacity* | *55,000 Lbs* |
| *Maximum Working Load* | *35,000 Lbs* |
| *Maximum Torque Installation* | *10,000 ft/lbs* |

## For Piers used in Tension use 70% of compression values

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|---|---|
| *2012 IBC* | *International Building Code* |
| *ASTM A252-98 (2007* | *Welded and Seamless Steel Pipe Piles* |
| *SW-AWS D1 No.3* | *Welding Certification* |
| *ASTM A36* | *Hot Rolled Structural Steel Plate (Helix Plate)* |
| *API 5CT Grade J55* | *Steel Pipe (min. yield of 55 Ksi and min tensile strength of 75 Ksi* |
| *ASTM A 325-09 or B7* | *Minimum Bolt and Rod Requirement* |
| *ASTM D1143M-07e1* | *Standard Methods of Testing Piles Under Axial Compressive Load* |
| *ASTM D3689-07* | *Standard Methods of Testing Individual Piles Under Static Axial Tensile Load* |
| *ASTM D3966-07* | *Standard Method of Testing Piles Under Lateral Loads* |
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