

## General Product Rating Sheet – Empire Piers

Shaft Size	Pile Shaft Designation	Installation torque Factor	Rated Torsional Capacity	Ultimate Mechanical Shaft Capacities for Axial Loading (lbs)
2.375" OD - .190 wall	E238190	10	4,500	45,000
2.875" OD - .276" wall	E287276	9	8,000	72,000
2.875" OD - .217" wall	E287217	9	9,500	85,000
3.5" OD - .300" wall	E35300	7	12,500	87,500
3.5" OD - .254" wall	E35254	7	15,500	108,500
4.5" OD - <u>290</u> " wall	E45290	6	24,000	144,000
4.5" OD - <u>337</u> " wall	E45337	6	30,000	180,000
5.5" OD - .362 wall	E55362	5	40,000	200,000

**Note:** These are our most common shaft sizes, but we can custom manufacture helical piles up to 24" diameter with a .875 wall and up to 72" helix diameter to suit your specified material requirements and standards.

The capacities shown above for ultimate compression, tension and torsional strength values are determined by statistical analysis of laboratory testing results. A minimum factor of safety of 2.0 is recommended for determining allowable capacity from correlations with final installation. Load tests are recommended when practical. Empire Piers Manufacturing USA.