



Product Rating					
(OCTG) API 5CT Certified Pipe					
Helix Plate Material A-50 Grade .38 / .50 / .75					
Shaft Size	Installation Torque Factor	Compression Load Limit	Ultimate Tension	Torsional Strength	Load Limit Torsional
2.375 OD - .190	10	60,000 lbs.	70,000	6,500 ft-lb	65,000 lb
2.875 OD - .217	9	120,000 lbs.	115,000	9,500 ft-lb	85,500 lb
3.50 OD - .254	8	140,000 lbs.	140,000	15,500 ft-lb	124,000 lb
4.50 OD - .290	7	170,000 lbs.	170,000	24,000 ft-lb	168,000 lb
4.50 OD - .337	7	190,000 lbs.	185,000	30,000 ft-lb	210,000 lb
5.50 OD - .362	6	280,000 lbs.	270,000	40,000 ft-lb	240,000 lb
6.625 OD - .375	5	350,000 lbs.	340,000	51,000 ft-lb	255,000 lb
7.625 OD - .430	5	420,000 lbs.	280,000	65,000 ft-lb	325,000 lb
8.625 OD - .500	5	550,000 lbs.	350,000	80,000 ft-lb	400,000 lb

Note: These are our most common shaft sizes, but we can custom manufacture helical piles up to 12.75" diameter with a .875 wall 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 test are recommended when practical. Empire Piers Manufacturing USA.

