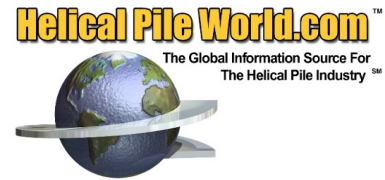


| PierTech Systems Helical Piles, Tiebacks & Anchors | | Ultimate Capacity Based Upon Torque (kips - Kn) (1) (2) | Helix Bearing Plate Grade & Thickness (in - mm) | Section Coupling Method | Building Code Certifications |
|---|--|--|--|--|------------------------------------|
| Round Corner Square Bar (RCS) | | | | | |
| Model S150 | 1.50 in - 38.1 mm ASTM A576, Grade 15V-30M Yield Strength = 90 ksi (min) | Comp = 70 kips - 311 kN Ten = 70 kips - 267 kN | ASTM A572 0.375 in - 9.5 mm 0.500 in - 12.7 mm 3 in. or 6 in Pitch | Patented Square Crossbolt (2) 0.75 in - 19.05 mm ASTM A325 | None |
| Model S175 | 1.75 in - 44.5 mm ASTM A576 Grade 15V-30M Yield Strength = 90 ksi (min) | Comp = 110 kips - 489 kN Ten = 110 kips - 423 kN | ASTM A572 0.375 in - 9.5 mm 0.500 in - 12.7 mm 3 in. or 6 in Pitch | Patented Square Crossbolt (2) 0.875 in - 22.23 mm ASTM A325 | None |
| Round Shaft | | | | | |
| Model RS2.88CL | O.D. = 2.875 in - 73.0 mm Wall = 0.217 in - 5.11 mm ASTM A500 Yield Strength = 60 ksi (min) | Comp = 80 kips - 356 kN Ten = Not-Rated | ASTM A572 0.375 in - 9.5 mm 0.500 in - 12.7 mm 3 in. Pitch | Patented Crosslock (2) 0.75 in - 19.05 mm ASTM A325 | ICC ESR-3969 |
| Model RS2.88CL | O.D. = 2.875 in - 73.0 mm Wall = 0.217 in - 5.51 mm API J55 Yield Strength = 80 ksi (min) | Comp = 80 kips - 356 kN Ten = Not-Rated | ASTM A572 0.375 in - 9.5 mm 0.500 in - 12.7 mm 3 in. or 6 in Pitch | Patented Crosslock (2) 0.75 in - 19.05 mm ASTM A325 | None |
| Model RS3.5 | O.D. = 3.50 in - 88.9 mm Wall = 0.254 in - 6.45 mm API J55 Yield Strength = 80 ksi (min) | Comp = 100 kips - 445 kN Ten = Not-Rated | ASTM A572 0.375 in - 9.5 mm 0.500 in - 12.7 mm 3 in. or 6 in Pitch | Patented Crosslock (2) 0.75 in - 19.05 mm ASTM A325 | None |
| Model RS3.5-HW | O.D. = 3.50 in - 88.9 mm Wall = 0.368 in - 9.35 mm ASTM A500 Yield Strength = 80 ksi (min) | Comp = 125 kips - 556 kN Ten = Not Rated | ASTM A572 0.375 in - 9.5 mm 0.500 in - 12.7 mm 3 in. or 6 in Pitch | Patented Crosslock (2) 0.75 in - 19.05 mm ASTM A325 | None |
| Model RS4.5.29 | O.D. = 4.50 in - 114.3 mm Wall = 0.290 in - 7.37 mm API J55 Yield Strength = 80 ksi (min) | Comp = 140 kips - 622 kN Ten = 140 Kips - 622 kN | ASTM A572 0.375 in - 9.5 mm 0.500 in - 12.7 mm 3 in. or 6 in Pitch | (3) 1.00 in - 25.40 mm ASTM A325 | None |
| Model RS4.5.337 | O.D. = 4.50 in - 114.3 mm Wall = 0.337 in - 8.6 mm API J55 Yield Strength = 80 ksi (min) | Comp = 180 kips - 801 kN Ten = 136 Kips | ASTM A572 0.375 in - 9.5 mm 0.500 in - 12.7 mm 3 in. or 6 in Pitch | (3) 1.00 in - 25.40 mm ASTM A325 | None |
| Model RS5.5.361 | O.D. = 5.50 in - 139.7 mm Wall = 0.361 in - 9.14 mm API J55 Yield Strength = 80 ksi (min) | Comp = 250 kips - 1112 kN Ten = 150 kips - 667 kN | ASTM A572 0.500 in - 12.7 mm 0.750 in - 19.1 mm 3 in. or 6 in Pitch | Project Specific | Not applicable |
| Model RS6.625 | O.D. = 6.625 in - 168.28 mm Project Specific | (2) | ASTM A572 0.500 in - 12.7 mm 0.750 in - 19.1 mm 3 in. or 6 in Pitch | Project Specific | Not applicable |
| Model RS7.00 | O.D. = 7.00 in - 177.8 mm Project Specific | (2) | ASTM A572 0.750 in - 12.7 mm 1.00 in - 25.4 mm 3 in. or 6 in Pitch | Project Specific | Not applicable |



| PierTech Systems Helical Piles, Tiebacks & Anchors | | Ultimate Capacity Based Upon Torque (kips - Kn) (1) (2) | Helix Bearing Plate Grade & Thickness (in - mm) | Section Coupling Method | Building Code Certifications |
|--|---|--|---|------------------------------------|---|
| Model RS8.625 | O.D. = 8.625 in - 219.08 mm Project Specific | (2) | ASTM A572 0.750 in - 12.7 mm 1.00 in - 33.02 mm 3 in. or 6 in Pitch | Project Specific | Not applicable |
| Model RS9.625 | O.D. = 9.625 in - 228.6 mm Project Specific | (2) | ASTM A572 0.750 in - 12.7 mm 1.00 in - 33.02 mm 3 in. or 6 in Pitch | Project Specific | Not applicable |
| Model RS9.625 | O.D. = 10.75 in - 273.05 mm Project Specific | (2) | ASTM A572 0.750 in - 12.7 mm 1.00 in - 33.02 mm 3 in. or 6 in Pitch | Project Specific | Not applicable |
| Model RS12.75 | O.D. = 12.75 in - 323.85 mm Project Specific | (2) | ASTM A572 0.750 in - 12.7 mm 1.00 in - 33.02 mm 3 in. or 6 in Pitch | Project Specific | Not applicable |
| Model RS13.375 | O.D. = 13.375 in - 339.73 mm Project Specific | (2) | ASTM A572 0.750 in - 12.7 mm 1.00 in - 33.02 mm 3 in. or 6 in Pitch | Project Specific | Not applicable |
| Model RS16.00 | O.D. = 16.00 in - 406.4 mm Project Specific | (2) | ASTM A572 1.00 in - 33.02 mm 1.025 in - 31.75 mm 3 in. or 6 in Pitch | Project Specific | Not applicable |
| Model RS24.00 | O.D. = 24.00 in - 609.6 mm Project Specific | (2) | ASTM A572 1.00 in - 33.02 mm 1.025 in - 31.75 mm 3 in. or 6 in Pitch | Project Specific | Not applicable |

(1) The values shown only address torque correlated soil capacity. Other mechanical limit states of the pile/anchor, its couplers, and its connections to the structure (brackets) may also govern the design capacity. Refer to the manufacturer's technical manual for further information.

(2) Large diameter helical piles develop capacity by a combination of both end-bearing and skin friction. The ultimate pile capacity is calculated based on the site-specific soil profile on a case-by-case basis. Load tests are often recommended for larger shaft sizes to identify a site-specific torque correlation factor (Kt),