



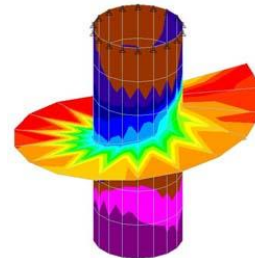
## Steel Pipe Helical Pier

### Material Specification

ALL ITEMS LISTED GO THROUGH A QUALITY ASSURANCE INSPECTION

**Shaft Material:** 2 7/8" OD. J-55 API 5CT Certified Pipe with 70,000 yield and 90,000 tensile with a  
Installation torque rating of 12,500 ft lb and ultimate load limit of 100,000 lbs  
Shaft lengths of – 60", 72", 84", and 120" standard.

**Helices:** ASTM hot rolled carbon steel 3/8", 1/2", 3/4" thk plate, ASTM A570  
Structural grade 50, Helix geometry in accordance with ICC-ES AC358  
Configuration 8", 10", 12", 14", 16". ASTM A123 Galvanized



**Extensions:** 100% positive material contact of all mating surfaces that virtually  
Eliminates hinging. Hole pattern is 2 (two) @ 3" on center with a hole  
Size of 15/16". Bolts consists of ASE-J429 Grade 5 – 3/4" x 5"

**Coupler:** Couplers are cut from 3 1/2" O.D. J-55 API 5CT Certified .254w welded in place  
Forming consistent strength equivalencies with the shaft. The welding  
Design and welding fabrication of steel will be in accordance with the  
AWS D1.1



## **Steel Pipe Helical Pier**

### **Material Specification**

**ALL ITEMS LISTED GO THROUGH A QUALITY ASSURANCE INSPECTION**

**Shaft Material: 3 ½" OD. J-55 API 5CT Certified Pipe with 80,000 yield and 90,000 tensile with a  
Installation torque rating of 17,500ft lb and ultimate load limit of 122,500 lbs**

**Shaft lengths of – 60", 72", 84", and 120" standard.**

**Helices: ASTM hot rolled carbon steel 3/8", ½", ¾" thk plate, ASTM A570  
Structural grade 50, Helix geometry in accordance with ICC-ES AC358  
Configuration 8", 10", 12", 14", 16". ASTM A123 Galvanized**

**Extensions: 100% positive material contact of all mating surfaces that virtually  
Eliminates hinging. Hole pattern is 2 (two) @ 3" on center with a hole  
Size of 15/16". Bolts consists of ASE-J429 Grade 8 – ¾" x 6"**

**Coupler: Couplers are cut from 4 ½" O.D. L-80 API 5CT Certified .375w welded in place  
Forming consistent strength equivalencies with the shaft. The welding  
Design and welding fabrication of steel will be in accordance with the  
AWS D1.1**