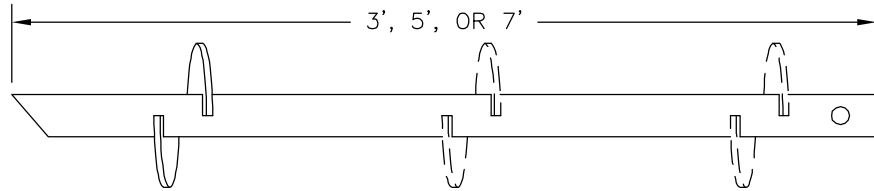


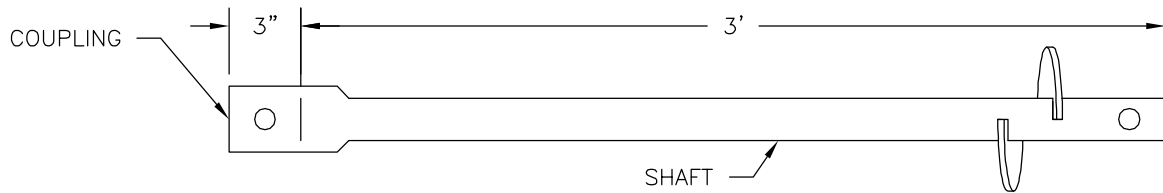
# HPC-17

**1.75" HELI-PILE<sup>®</sup> CONVENTIONAL HELICAL PILE**  
 CATALOG NUMBERS BEGINNING WITH HPCL-17 AND HPCE-17  
 (EXTRA HIGH STRENGTH SHAFT STEEL, Fy=90 KSI)



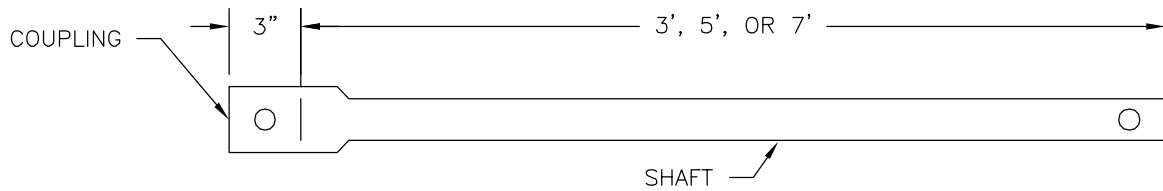
**LEAD SECTION**  
**SINGLE OR MULTIPLE HELIX**

NO SCALE



**HELIX EXTENSION**

NO SCALE



**PLAIN EXTENSION**

NO SCALE

1. THIS DRAWING COVER 1.75" HELI-PILE<sup>®</sup> SOLID ROUND CORNER SQUARE SHAFT HELICAL PILES. (CATALOG NUMBERS BEGINNING WITH HPCL-17 & HPCE-17)
2. SOLID ROUND CORNER SQUARE SHAFT MATERIAL IS PER ASTM A29 OR AISI 1530, Fy=90 KSI
3. ALL HELIX MATERIAL IS 0.5" THICK AND IS PER ASTM A656 Gr 80 TYPE 7 (Fy=80 KSI).
4. CONNECTION BOLTS ARE 0.875" DIAMETER A193 GRADE B7 (FY = 105 KSI), 3.5" LONG, THREADS OUTSIDE THE SHEAR ZONE.
5. WELDS ARE 0.375" MIN FILLET FOR COUPLER, 0.25" MIN FOR HELICES (T&B), ER80S (80KSI) ELECTRODE.
6. ALL STEEL IS GALVANIZED PER ASTM B633-85 FE/ZN 5, TYPE III
7. ULTIMATE AXIAL MECHANICAL CAPACITY IS 110,000 LBS.
8. ULTIMATE SHAFT TORQUE CAPACITY IS 11,000 FT-LBS.
9. ULTIMATE HELIX MECHANICAL CAPACITY: 6"-12" DIAMETER = 70,000 LBS, 14" DIAMETER = 56,000 LBS
10. COUPLER STEEL 3.25" OD, 0.438" WALL DOM PIPE PER ASTM A513 GR 1026 (FY = 45 KSI) COLD FORGED SQUARE

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**HELI-PILE<sup>®</sup>**



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**SPECIFICATION SHEET**

1.75" CONVENTIONAL  
 EXTRA HIGH STRENGTH  
 HELICAL PILES

DRAWN BY: RJV ENGINEER: JSP

HPC-17.DWG SHEET 1 OF 1  
 DATE: 07/24/09 REVISION: 2