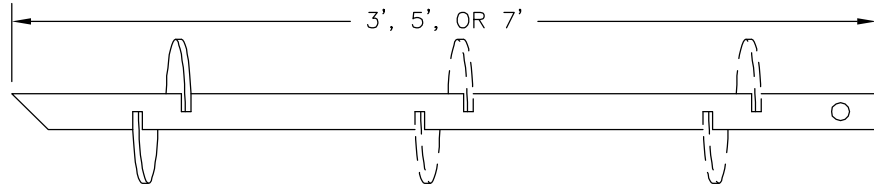


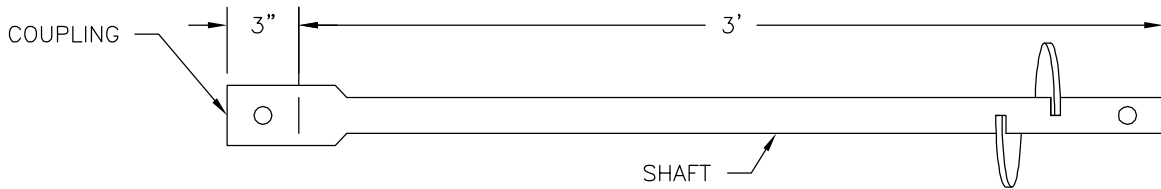
HPC-15

1.5" HELI-PILE[®] CONVENTIONAL HELICAL PILE
 CATALOG NUMBERS BEGINNING WITH HPCL-15 AND HPCE-15
 (STANDARD HIGH STRENGTH SHAFT STEEL, $F_y=70$ KSI)



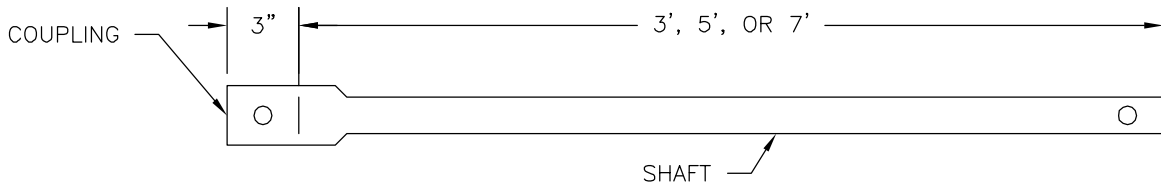
LEAD SECTION
SINGLE OR MULTIPLE HELIX

NO SCALE



HELIX EXTENSION

NO SCALE



PLAIN EXTENSION

NO SCALE

1. THIS DRAWING COVER 1.5" HELI-PILE[®] SOLID ROUND CORNER SQUARE SHAFT HELICAL PILES. (CATALOG NUMBERS BEGINNING WITH HPCL-15 & HPCE-15)
2. SOLID ROUND CORNER SQUARE SHAFT MATERIAL IS PER ASTM A29 OR AISI 1044, $F_y=70$ KSI
3. ALL HELIX MATERIAL IS 0.5" THICK AND IS PER ASTM A656 Gr 80 TYPE 7 ($F_y=80$ KSI).
4. CONNECTION BOLTS ARE 0.75" DIAMETER ASTM A449, 3" LONG, THREADS OUTSIDE THE SHEAR ZONE.
5. ALL WELDS MINIMUM 0.25" FILLET WITH ER70S ELECTRODE.
6. ALL STEEL IS GALVANIZED PER ASTM B633-85 FE/ZN 5, TYPE III
7. ULTIMATE AXIAL MECHANICAL CAPACITY IS 55,000 LBS.
8. ULTIMATE SHAFT TORQUE CAPACITY IS 5,500 FT-LBS.
9. ULTIMATE HELIX MECHANICAL CAPACITY: 6"-12" DIAMETER = 70,000 LBS, 14" DIAMETER = 56,000 LBS

THIS DRAWING AND THE INFORMATION CONTAINED HEREON ARE THE PROPERTY OF IMR, Inc. THIS DRAWING IS INTENDED FOR THE SOLE USE OF IMR, Inc., AND ITS AUTHORIZED CLIENTS ONLY.

HELI-PILE[®]



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 www.helipile.com

SPECIFICATION SHEET

1.5" CONVENTIONAL
 STANDARD HIGH STRENGTH
 HELICAL PILES

DRAWN BY: RJV ENGINEER: JSP

HPC-15.DWG SHEET 1 OF 1
 DATE: 05/19/09 REVISION: 1