SS150 HELICAL PIERS AND ANCHORS

TORQUE STRENGTH RATING 7,000 FT-LB
ULTIMATE CAPACITY (TENSION/COMPRESSION) 70 KIP
* BASED ON A TORQUE FACTOR (Kt)=10
SINGLE HELIX ULTIMATE STRENGTH 40 KIP
ULTIMATE TENSION STRENGTH (COUPLING BOLT) 70 KIP

SINGLE HELIX EXTENSION
TWIN HELIX EXTENSION
TRIPLE HELIX EXTENSION
COUPLING BOLT AND NUT

SS150 LEADS AND HELICAL EXTENSIONS

HEXAGON EXTENSION SECTION

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<th>A</th>
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+ ICC-ES LISTINGS FORMERLY ICBO, SBCCI, AND BOCA
* HELIX MATERIAL 1/2" THICK

PLAIN EXTENSION
INTEGRAL FORGED COUPLING
EXTENSION WITH HELIX
LEAD SECTION

HELIX MUST BE FORMED BY MATCHING METAL PIECE (SIDE VIEW OF TRUE HELICOIDAL FORM)

TYPICAL ANCHOR/PIER ASSEMBLY

NOTES:
1. HOT DIP GALVANIZED PER ASTM A153 (LATEST REVISION)
2. LEAD AND EXTENSION SECTION LENGTHS AND HELIX SPACINGS ARE NOMINAL
3. SHAFT MATERIAL-HOT ROLLED ROUND-CORNERED SQUARE (RCS) SOLID STEEL BARS PER ASTM A29; MINIMUM YIELD STRENGTH=90 KSI
4. HELIX MATERIAL-HOT ROLLED LOW CARBON STEEL SHEET, STRIP, OR PLATE PER ASTM A655, OR A1018 GRADE 80; MINIMUM YIELD STRENGTH=80 KSI; 3/8" THICK
5. COUPLING BOLTS: 3/4" DIAMETER X 3" LONG HEX HEAD PER ASTM A320 GRADE L7
6. NOMINAL SPACING BETWEEN HELIX PLATES IS THREE TIMES THE DIAMETER OF THE LOWER HELIX
7. MANUFACTURER TO HAVE IN EFFECT INDUSTRY RECOGNIZED WRITTEN QUALITY CONTROL FOR ALL MATERIALS AND MANUFACTURING PROCESSES
8. ALL WELDING TO BE DONE BY WELDERS CERTIFIED UNDER SECTION 5 OF THE AWS CODE D1.1
9. SEE ICC EVALUATION SERVICE INC., EVALUATION REPORT NO. ER-5110 FOR ALLOWABLE VALUES AND/OR CONDITIONS OF USE CONCERNING MATERIAL PRESENTED IN THIS DOCUMENT
10. REFER TO DRAWING SA150-0144 FOR PLAIN EXTENSIONS AND TERMINATIONS

CHANCE TOLERANCE CHART

HUBBELL POWER SYSTEMS

SS150 LEADS AND HELICAL EXTENSIONS

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