



**NOTES :**

1. PILE SHAFT TO MEET OR EXCEED REQUIREMENTS OF ASTM A29-15/A576-90B, 90 KSI.
2. HELIX MATERIAL - HOT ROLLED LOW CARBON STEEL, PER ASTM A572 GRADE 55; MIN YIELD STRENGTH IS 55 KSI &  $\frac{3}{8}$ " THICK. MAXIMUM TORQUE NOT TO EXCEED 7000 FT-LBS. ULTIMATE CAPACITY IS 70KIPS BASED ON A CAPACITY TO TORQUE RATIO OF  $K_t = 10$ .
4. ALL HELICES ARE FORMED BY PRESS DIE. LEADING EDGE OF HELICES ARE TAPERED TO IMPROVE INSTALLATION CAPABILITIES.
5. HELIX SPACING IS THREE TIMES THE DIAMETER OF THE LOWER HELIX.
6. ALL WELDING TO BE PERFORMED BY CERTIFIED WELDERS IN ACCORDANCE WITH AWS D1:1 STRUCTURAL WELDING CODE - STEEL.
7. HOT DIP GALVANIZING PER ASTM A153 / ASTM A123.
8.  $\frac{3}{4}$ " DIAMETER X 3.5' LONG GALVANIZED HEAVY HEX BOLT ASTM A325 AND  $\frac{3}{4}$ " GALVANIZED HEAVY HEX JAM NUT (GRADE-A)

**SQ 150 (1-1/2") LEAD SECTIONS**

CATALOG NO.	PLATE DIAMETER (IN.)			NOMINAL LENGTH (FT)	HELIX GRADE
	A	B	C		
IAN150L-5-810-G	8	10	-	5	55
IAN150L-7-810-G	8	10	-	7	55
IAN150L-5-81012-G	8	10	12	5	55
IAN150L-7-81012-G	8	10	12	7	55

**SQ 150 (1-1/2") EXTENSION**

CATALOG NO.	NOMINAL LENGTH (FT)
IAN150E-35-G	3.5
IAN150E-5-G	5
IAN150E-7-G	7

**INTECH<sup>®</sup>**  
ANCHORING  
SYSTEMS

THE INFORMATION CONTAINED HEREIN IS OF A PROPRIETARY NATURE AND IS SUBMITTED IN CONFIDENCE FOR USE OF THE CLIENTS OF INTECH ANCHORING SYSTEMS

**Issue / Revisions:**

Rev	Description	Date

SHEET TITLE: SQ 150 HELICALS  
 SHEET DESCRIPTION: LEADS AND EXTENSIONS  
 DATE: 01/15/2023  
 DRAWN BY: KTM  
 CHECKED BY: SJP

SHEET:

**IAN150**