



**NOTES:**

1. PIPE SHAFT CONFIRMS TO ASTM A500 GRADE C. 2.875" O.D. 0.217" WALL THICKNESS. MIN. YIELD 80 KSI.
2. HELIX MATERIAL - HOT ROLLED LOW CARBON STEEL, PER ASTM A572 GRADE 50; MIN YIELD STRENGTH IS 50 KSI &  $\frac{3}{8}$ " THICK. MAXIMUM TORQUE NOT TO EXCEED 8200 FT-LBS. ULTIMATE CAPACITY IS 73 KIP, COUPLING ULTIMATE TENSION 60 KIP BASED ON A CAPACITY TO TORQUE RATIO OF  $K_t = 9$ .
4. GALVANIZED AS PER ASTM A153 / ASTM A123.
5. ALL HELICES ARE FORMED BY PRESS DIE. LEADING EDGE OF HELICES ARE TAPERED TO IMPROVE INSTALLATION CAPABILITIES.
6. HELIX SPACING IS THREE TIMES THE DIAMETER OF THE LOWER HELIX.
7. ALL WELDING TO BE PERFORMED BY CERTIFIED WELDERS IN ACCORDANCE WITH AWS D1:1 STRUCTURAL WELDING CODE - STEEL.
8. COUPLER SLEEVE 3.5" X 0.254" THICK.
9. COUPLING BOLTS:  $\emptyset 0.75$ " X 5" LONG HEX HEAD PER SAE J429 GRADE-8.

RS 278217 (2-7/8") LEAD SECTIONS					
CATALOG NO.	PLATE DIAMETER (IN.)			NOMINAL LENGTH (FT)	HELIX GRADE
	A	B	C		
IAN278217L-5-810-G	8	10	-	5	55
IAN278217L-7-810-G	8	10	-	7	55
IAN278217L-5-81012-G	8	10	12	5	55
IAN278217L-7-81012-G	8	10	12	7	55

RS 278217 (2-7/8") EXTENSIONS		
CATALOG NO.	NOMINAL LENGTH (FT)	
	A	
IAN278217E-5-G	5	
IAN278217E-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: RS 278217 HELICALS  
SHEET DESCRIPTION: LEADS AND EXTENSIONS  
DATE: 01/15/2023  
DRAWN BY: KTM  
CHECKED BY: SJP

SHEET:

IAN278217