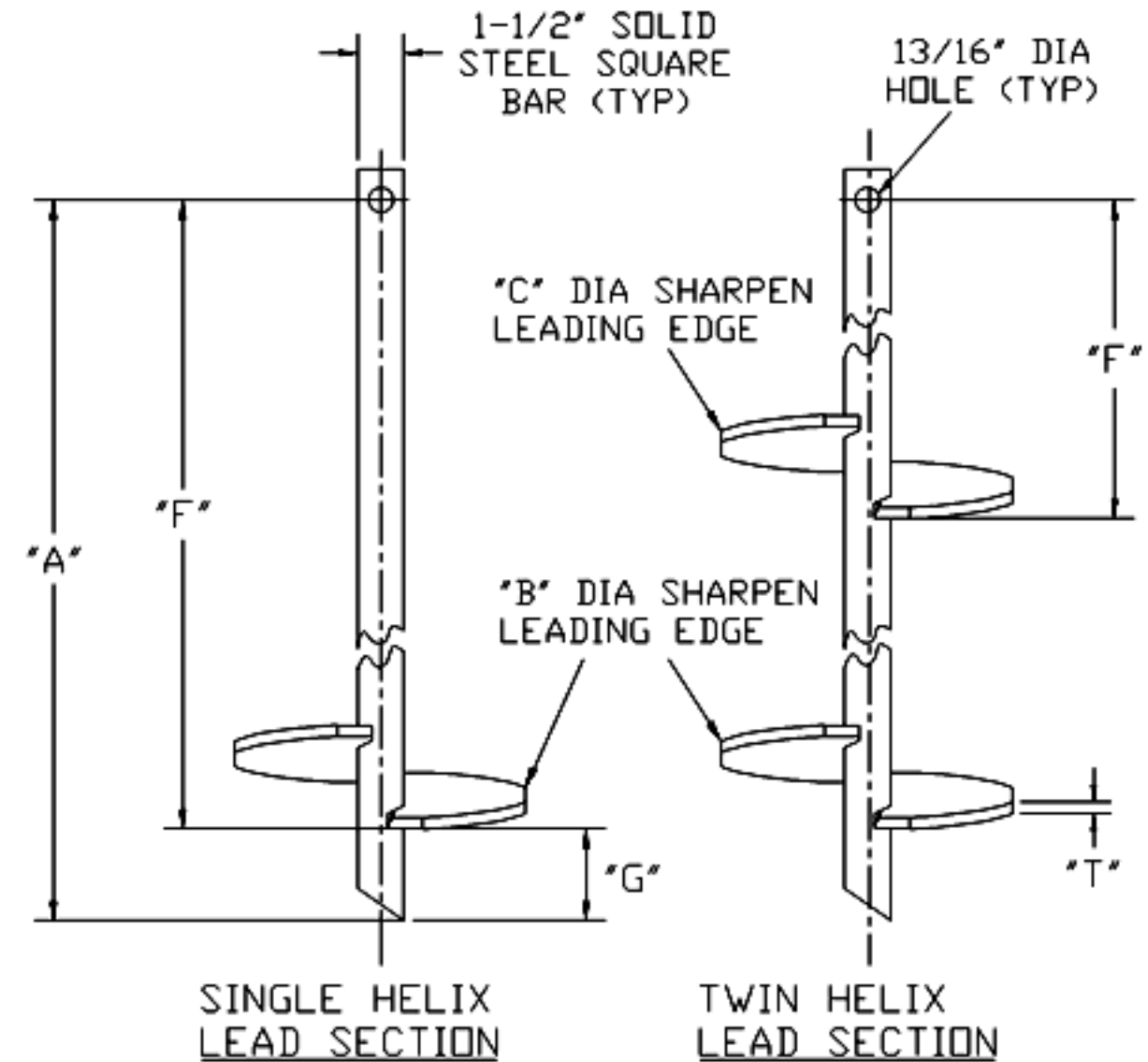


# SS5 HELICAL PIERS AND ANCHORS GRADE 80 HELIX

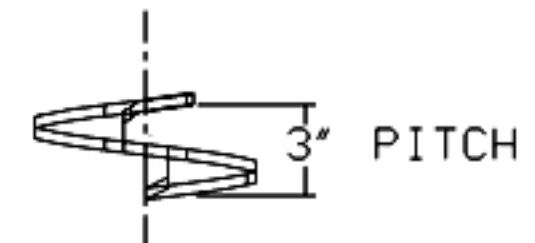
TORQUE STRENGTH RATING-5,500 FT-LB  
 ULTIMATE CAPACITY\*(TENSION/COMPRESSION)-55 KIP  
 \* BASED ON A TORQUE FACTOR (Kt)=10  
 SINGLE HELIX ULTIMATE STRENGTH-40 KIP 3/8", 50 KIP 1/2"  
 ULTIMATE TENSION STRENGTH (COUPLING BOLT)-70 KIP

CAT. NO.	A	B	C	F	G	T
T150-0269	82'	8'	--	79'	3'	3/8'
T150-0268	59'	8'	--	56'	3'	3/8'
T150-0267	59'	10'	--	56'	3'	3/8'
T150-0266	82'	12'	--	79'	3'	3/8'
T150-0265	82'	8'	10'	55'	3'	3/8'
T150-0326	82'	10'	--	79'	3'	3/8'
T150-0442	59'	10'	12'	23'	6'	3/8'
T150-0443	59'	8'	10'	29'	6'	3/8'
T150-0469	42'	8'	--	39'	3'	3/8'
T150-0304	82'	8'	--	79'	3'	1/2'
T150-0305	59'	8'	--	56'	3'	1/2'
T150-0444	59'	8'	10'	17'	6'	1/2'
T1500495	59'	6'	--	56'	3'	1/2'
T1500497	59'	6'	--	56'	3'	3/8'



## -NOTES-

- HOT DIP GALVANIZED PER ASTM A153-(LATEST REV.)
- LEAD AND EXTENSION SECTION AND PILOT POINT LENGTHS ARE NOMINAL.
- SHAFT MATERIAL-HOT ROLLED ROUND-CORNERED SQUARE (RCS) SOLID STEEL BARS PER ASTM A29; MINIMUM YIELD STRENGTH=70 KSI.
- HELIX MATERIAL-HOT ROLLED LOW CARBON STEEL SHEET, STRIP, OR PLATE PER ASTM A656, OR A1018 GRADE 80; MINIMUM YIELD STRENGTH=80 KSI.
- COUPLING BOLTS: 3/4" DIAMETER X 3" LONG HEX HEAD PER ASTM A320 GRADE L7.
- NOMINAL SPACING BETWEEN HELICAL PLATES IS THREE TIMES THE DIAMETER OF THE LOWER HELIX.
- MANUFACTURER TO HAVE IN EFFECT INDUSTRY RECOGNIZED WRITTEN QUALITY CONTROL FOR ALL MATERIALS AND MANUFACTURING PROCESSES.
- ALL WELDING TO BE DONE BY WELDERS CERTIFIED UNDER SECTION 5 OF THE AWS CODE D1.1.
- REFER TO DRAWING SA150-0047 FOR PLAIN EXTENSIONS AND TERMINATIONS.



HELIX MUST BE FORMED BY MATCHING METAL DIE  
(SIDE VIEW OF TRUE HELICAL FORM)

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SIZE	DWG NO.	CAT / PART / ASSY NO.	REV
SC	SA150-0269	SEE CHART	A
DO NOT SCALE THIS DRAWING		DRN BY KSH	DATE 4/25/05
		SHEET 1	