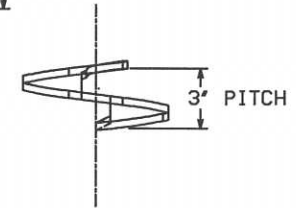


LEAD SECTION
C1101228 (GALV)

LEAD SECTION
C1101224 (GALV)

LEAD SECTION
C1100970 (GALV)

TWO HELIX
EXTENSION
C1101225 (GALV)



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

==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 A656, 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 A325 TYPE 1.
6. NOMINAL SPACING BETWEEN HELIX PLATES IS THREE TIMES THE DIAMETER OF THE LOWER HELIX. HELIX STRAIGHT LEADING EDGES AND TRAILING EDGES WITH LEADING EDGES ARE SHARPENED.
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. COUPLINGS SHALL BE FORMED AS AN INTEGRAL PART OF THE PLAIN EXTENSION MATERIAL. COUPLINGS SHALL BE HOT UPSET FORGED SOCKETS.

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

CHANCE TOLERANCE CHART		HUBBELL POWER SYSTEMS POWER SYSTEMS, INC.	
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SIZE C	DWG NO. SA1101224	CAT / PART / ASSY NO. SEE CHART	REV ---
DO NOT SCALE THIS DRAWING	DRN BY MCF	DATE 05/29/15	SHEET 1 OF 1