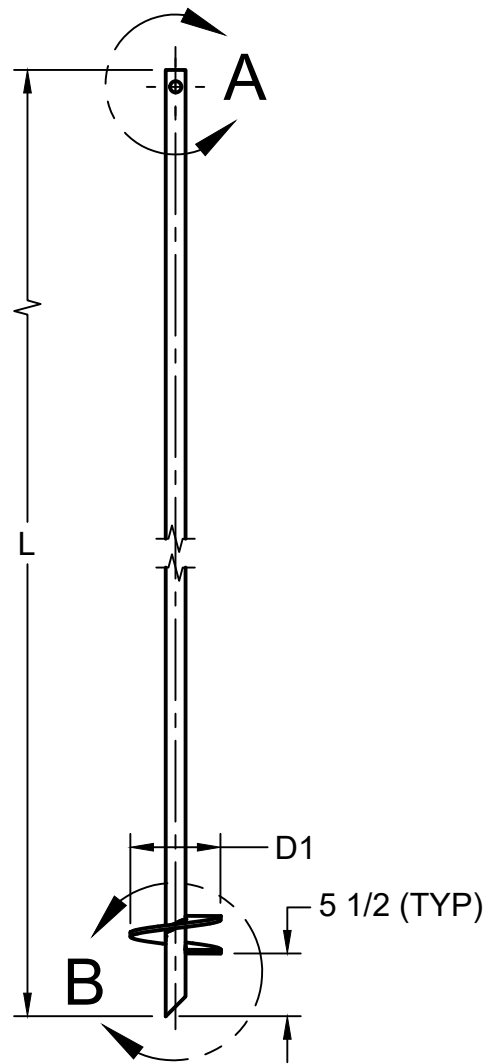
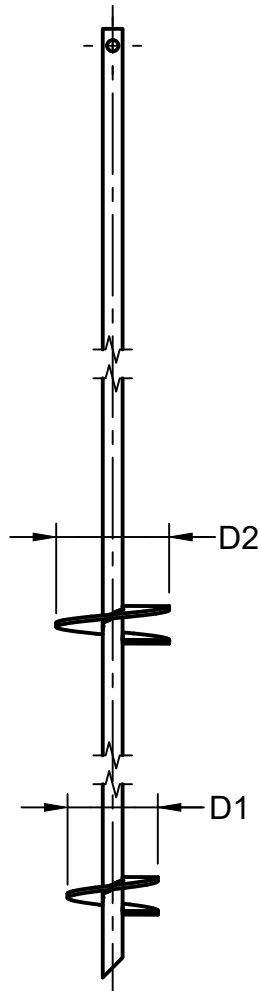


MAXIMUM TORQUE NOT TO EXCEED 7,000 FT-LBS

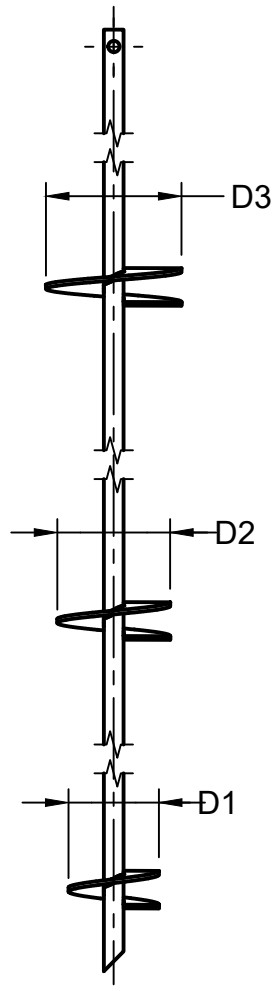
ULTIMATE CAPACITY OF 70 KIPS BASED ON CAPACITY TO TORQUE RATIO OF $K_t = 10 \text{ FT}^{-1}$



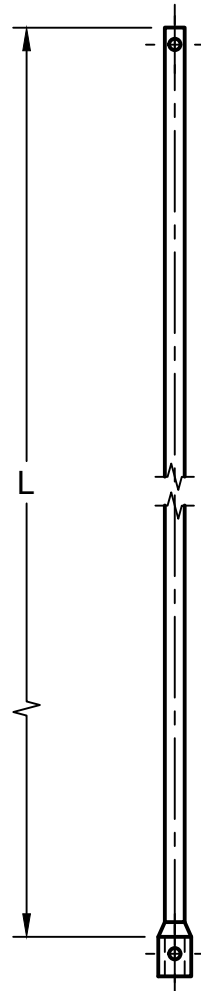
SINGLE HELIX (SH) LEAD
EX: (SQ150SH[L][D1]X[T]G)



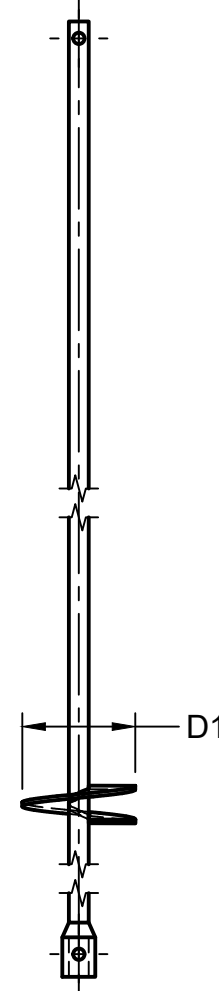
DOUBLE HELIX (DH) LEAD
EX: (SQ150DH[L][D1,D2]X[T]G)



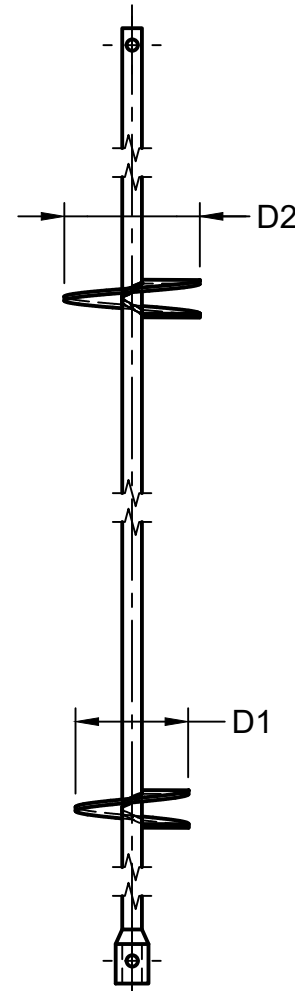
TRIPLE HELIX (TH) LEAD
EX: (SQ150TH[L][D1,D2,D3]X[T]G)



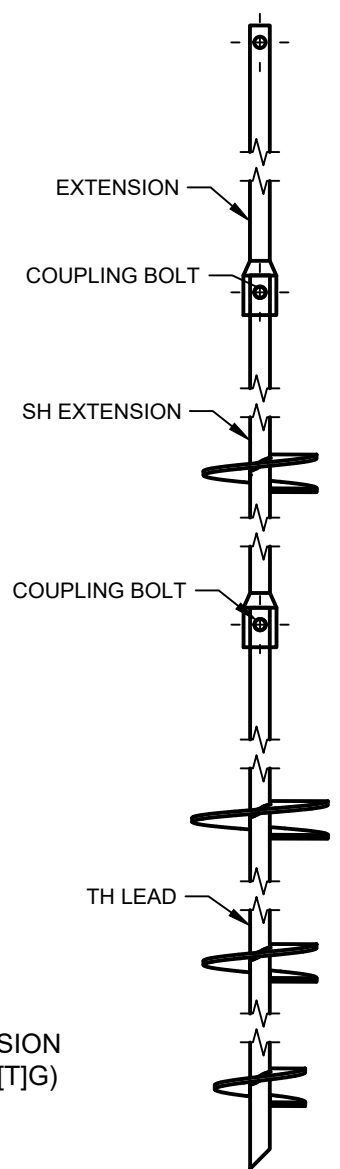
EXTENSION
EX: (SQ150EXT[L]G)



SINGLE HELIX (SH) EXTENSION
EX: (SQ150FESH[L][D1]X[T]G)



DOUBLE HELIX (DH) EXTENSION
EX: (SQ150FEDH[L][D1,D2]X[T]G)



TYPICAL PILE ASSEMBLY

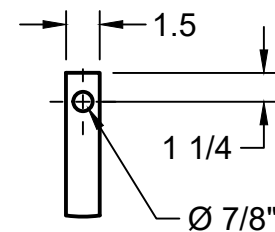
NOTES:

- PILE SHAFT TO MEET OR EXCEED 90 KSI
- PLATE STEEL TO MEET OR EXCEED REQUIREMENTS OF A572 GRADE 50
- ALL HELICES ARE FORMED BY PRESS DIE
- HELIX SPACING IS EQUAL TO (3) TIMES THE DIAMETER OF THE LOWER HELIX
- STANDARD HELIX DIAMETERS INCLUDE 8", 10", 12", & 14". 3/8" OR 1/2" THICKNESS.
- ALL WELDING TO BE PERFORMED BY CERTIFIED WELDER IN ACCORDANCE WITH CWB W59-18
- BARE STEEL IS STANDARD. HOT DIP GALVANIZING AS PER CAN/CSA G 164 or ASTM 123
- (2) 7/8" DIAMETER X 3" LONG HEAVY HEX BOLTS AND (1) 7/8" HEAVY HEX NUT

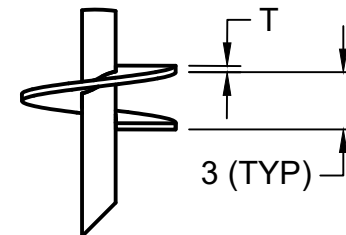
NORTEK PART# ABBREVIATIONS

SQ = ROUND CORNER SQUARE SHAFT
150 = SHAFT DIAMETER
L = SHAFT LENGTH IN FT
EXT = EXTENSION
FE = FLIGHTED EXTENSION
D = DIAMETER OF HELIX (EX. 12" = 12)
SH = SINGLE HELIX
DH = DOUBLE HELIX
TH = TRIPLE HELIX
X = SEPARATES HELIX DIAMETERS AND THICKNESSES
[T] = HELIX THICKNESS
G = GALVANIZED

DETAIL A
BOLT HOLE



DETAIL B
HELIX



1 1/2" ROUND CORNER SQUARE SHAFT HELICAL LEADS & EXTENSIONS



APPROVED	K.D	2025-06-01	NORTEK HELICAL PILES 1098 INDUSTRIAL RD AYR, ON N0B 1E0 519-623-3858 WWW.NORTEKHELICALPILES.CA
CHECKED	C.D	2024-01-20	
DRAWN	K.D	2024-01-04	
DWG NO	1		

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SHEET 1 OF 1

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