RS3500.300 HELICAL COMBO PILES

TYPICAL PILE ASSEMBLY

LEAD SECTION

HELICAL EXTENSION

PLAIN EXTENSION

PART NUM  | DESCRIPTION  | 'A' | 'B' | 'C' | 'D' | 'E' | 'F'
--- | --- | --- | --- | --- | --- | --- | ---
C1500010 | LEAD, SS175, 8 X 5FT | 58 | 58 | 8 | | | |
C1500011 | LEAD, SS175, 10 X 5FT | 58 | 58 | 10 | | | |
C1100227 | LEAD, SS175, 8/10 X 3FT | 30 | 6 | 8 | 10 | | |
C1500179 | LEAD, SS175, 8/10 X 5FT | 30 | 6 | 8 | 10 | | |
C1500012 | LEAD, SS175, 8/10 X 7FT | 76 | 52 | 8 | 10 | | |
C1500093 | LEAD, SS175, 10/12 X 5FT | 58 | 34 | 10 | 12 | | |
T1100730 | LEAD, SS175, 14/14 X 7FT | 76 | 34 | 14 | 14 | | |
C1100235 | LEAD, SS175, 8/10/12 X 5FT | 58 | 58 | 6 | 8 | 10 | 12 | |
C1500041 | LEAD, SS175, 8/10/12 X 7FT | 76 | 76 | 22 | 8 | 10 | 12 | |
T1100674 | LEAD, SS175, 10/12/14 X 7FT | 76 | 76 | 10 | 10 | 12 | 14 | |
C1500042 | LEAD, SS175, 10/12/14 X 10FT | 122 | 66 | 12 | 42 | 14 | 14 | |
T1100585 | LEAD, SS175, 10/12/14 X 10FT | 76 | 76 | 16 | 10 | 10 | 10 | |
C1100505 | LEAD, SS175, 10/12/14 X 10FT | 122 | 122 | 32 | 14 | 14 | 14 | |
C1500181 | LEAD, SS175, 14/14/14 X 10FT | 122 | 122 | 38 | 14 | 14 | 14 | |
C1100247 | LEAD, SS175, 8/10/12/14 X 10FT | 122 | 122 | 32 | 8 | 10 | 12 | 14 | |
C1500895 | ADAPTER, SS175 TO RS3500 | | | | | | |
C1601291 | EXTENSION, RS3500.300, 3-1/2FT | 38 | | | | | |
C1601240 | EXTENSION, RS3500.300, 5FT | 56 | | | | | |
C1601241 | EXTENSION, RS3500.300, 7FT | 80 | | | | | |
C1601242 | EXTENSION, RS3500.300, 10FT | 116 | | | | | |
C1601293 | HELICAL EXTENSION, RS3500.300, 14 X 3-1/2FT | 38 | 27 | 14 | | | |
C1601295 | HELICAL EXTENSION, RS3500.300, 14/14 X 7FT | 80 | 31 | 14 | 14 | | |

* * NOTES * *

1. HOT DIP GALVANIZED PER ASTM A123 AND A153 (LATEST REV).
2. LEAD AND EXTENSION SECTION LENGTHS AND HELIX SPACINGS ARE NOMINAL.
3. NOMINAL SPACING BETWEEN HELIX PLATES IS THREE TIMES THE DIAMETER OF THE LOWER HELIX.
4. PIPE SHAFT MATERIAL PER ASTM A618 OR A500 GRADE B, SQUARE SHAFT MATERIAL PER A29 & A576 MOD, ADAPTER MATERIAL DUCTILE IRON.
5. HELIX MATERIAL LOW CARBON STEEL MEETING THE GENERAL REQUIREMENTS OF AISI OR ASTM A572, A656, OR A1018.
6. PIPE SHAFT COUPLING MATERIAL PER ASTM A513 DOM, MINIMUM YIELD OF 65KSI.
8. MANUFACTURER TO HAVE IN EFFECT INDUSTRY RECOGNIZED WRITTEN QUALITY CONTROL FOR ALL MATERIALS AND MANUFACTURING PROCESSES.
9. ALL WELDING TO BE DONE BY WELDERS CERTIFIED UNDER SECTION 5 OF THE AWS CODE D1.1.
10. EXTENSIONS MUST BE PROVIDED WITH A WELDED SLEEVE ON ONE END WITH MATERIAL PER NOTE 6.
11. SEE ICC EVALUATION SERVICE INC. EVALUATION REPORT #FSR-2794 FOR ALLOWABLE VALUES AND/OR CONDITIONS OF USE CONCERNING MATERIAL PRESENTED IN THIS DOCUMENT.

**TOURSENGTH RATING:** 10,500 FT-LB
**ULTIMATE CAPACITY** (TENSION/COMPRESSION): 73.5 KIP
**BASE ON A TORQUE FACTOR (Kt): 7/FT
**SINGLE HELIX ULTIMATE STRENGTH:** 50 KIP
**ULTIMATE TENSION STRENGTH (COUPLING BOLT):** 100 KIP

CHANCE®

HUBBELL POWER SYSTEMS, Inc.

RS3500.300 COMBO PILES

ICC-ES (AC-358)