

STANDARD HELICAL PILE CONFIGURATIONS

SHAFT				TORQUE/CAPACITY			STANDARD HELIX CONFIGURATIONS					
PRODUCT SERIES	SHAFT SIZE (IN)	WALL THICKNESS (IN)	YIELD STRENGTH (KSI)	TORQUE RATING (FT*LBS)	TORQUE INSTALLATION FACTOR k_t	ULTIMATE CAPACITY $k_t T_{max}$ (BY TORQUE) kN (kip)	SINGLE HELIX (INCHES)	DOUBLE HELIX (INCHES)	TRIPLE HELIX (INCHES)	FLIGHTED EXTENSION SINGLE HELIX (INCHES)	FLIGHTED EXTENSION DOUBLE HELIX (INCHES)	HELIX THICKNESS (INCHES)
SQ150	1.50	SOLID	90	7,000	10	311 (70)	8, 10, 12	8/10, 10/12	8/10/12, 10/12/14	14	14/14	0.375
SQ175	1.75	SOLID	90	11,000	10	489 (110)	8, 10, 12	8/10, 10/12	8/10/12, 10/12/14	14	14/14	0.5
SQ200	2.00	SOLID	90	16,000	10	711 (160)	8, 10, 12	8/10, 10/12	8/10/12, 10/12/14	14	14/14	0.5
278203	2.875	0.203	80	8,300	9	332 (74.7)	8, 10, 12	8/10, 10/12	8/10/12, 10/12/14	14	14/14	0.375, 0.5
278276	2.875	0.276	80	10,000	9	400 (90)	8, 10, 12	8/10, 10/12	8/10/12, 10/12/14	14	14/14	0.5
SQ300250	3.00	0.250	50	11,000	10	489 (110)	8, 10, 12	8/10, 10/12	8/10/12, 10/12/14	14	14/14	0.5
SQ300313	3.00	0.313	50	15,000	10	667 (150)	8, 10, 12	8/10, 10/12	8/10/12, 10/12/14	14	14/14	0.5
312250	3.50	0.250	50	10,000	7	311 (70)	10, 12, 14	10/12, 12/14	8/10/12, 10/12/14, 12/14/16	14	14/14	0.375, 0.5
312300	3.50	0.300	80	17,200	7	534 (120.4)	10, 12, 14	10/12, 12/14	8/10/12, 10/12/14, 12/14/16	14	14/14	0.5
412290-2	4.50	0.290	80	26,500	6	707 (159)	12, 14, 16	12/14, 14/16	10/12/14, 12/14/16	14	14/14	0.5
412290-3	4.50	0.290	80	33,500	6	894 (201)	12, 14, 16	12/14, 14/16	10/12/14, 12/14/16	14	14/14	0.5
412337-2	4.50	0.337	80	26,500	6	707 (159)	12, 14, 16	12/14, 14/16	10/12/14, 12/14/16	14	14/14	0.5
412337-3	4.50	0.337	80	37,500	6	1001 (225)	12, 14, 16	12/14, 14/16	10/12/14, 12/14/16	14	14/14	0.5
512304-3	5.50	0.304	50	33,000	5	658 (148)	14, 16, 17	14/16, 16/17	12/14/16, 14/16/18, 16/18/19	*	*	0.5, 0.74
512361-2	5.50	0.361	80	40,000	4.5	801 (180)	14, 16, 18	14/16, 16/18	12/14/16, 14/16/18, 16/18/20	*	*	0.5, 0.75
512361-3	5.50	0.361	80	60,000	4.5	1201 (270)	14, 16, 18	14/16, 16/18	12/14/16, 14/16/18, 16/18/20	*	*	0.5, 0.75
512415-2	5.50	0.415	80	40,000	4.5	801 (180)	14, 16, 18	14/16, 16/18	12/14/16, 14/16/18, 16/18/20	*	*	0.5, 0.75
512415-3	5.50	0.415	80	60,000	4.5	1201 (270)	14, 16, 18	14/16, 16/18	12/14/16, 14/16/18, 16/18/20	*	*	0.5, 0.75
700408	7.00	0.408	80	70,000	3.3	1027 (231)	16, 18, 20	16/18, 18/20	16/18/20, 18/20/22	*	*	0.75
700408-O2	7.00	0.408	80	100,000	3.3	1468 (330)	16, 18, 20	16/18, 18/20	16/18/20, 18/20/22	*	*	0.75
700408-O	7.00	0.408	80	120,000	3.3	1761 (396)	16, 18, 20	16/18, 18/20	16/18/20, 18/20/22	*	*	0.75
700453	7.00	0.453	80	130,000	3.3	1908 (429)	16, 18, 20	16/18, 18/20	16/18/20, 18/20/22	*	*	0.75
758375	7.625	0.375	80	120,000	3.0	1601 (360)	16, 18, 20	16/18, 18/20	16/18/20, 18/20/22	*	*	0.75
858322	8.625	0.322	55	120,000	*	*	18, 20, 22	18/20, 20/22	18/20/22, 20/22/24	*	*	0.75
858352	8.625	0.352	55	120,000	*	*	18, 20, 22	18/20, 20/22	18/20/22, 20/22/24	*	*	0.75
858500	8.625	0.500	55	150,000	*	*	18, 20, 22	18/20, 20/22	18/20/22, 20/22/24	*	*	0.75
*	9.625 - 36.00	*	*	*	*	*	*	*	*	*	*	*

NOTES:

1. THIS TABLE IS A GUIDE ONLY. ADDITIONAL SHAFT AND HELIX SIZES CAN BE UTILIZED FOR SPECIFIC PROJECTS.
- 2.* PROJECT SPECIFIC AND/OR DEPENDENT UPON MATERIAL AVAILABILITY.

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