

# 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) (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	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	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	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	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	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	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	150	8, 10, 12	8/10, 10/12	8/10/12, 10/12/14	14	14/14	0.5
312216	3.50	0.216	80	13,400	7	93.8	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	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	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	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	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	225	12, 14, 16	12/14, 14/16	10/12/14, 12/14/16	14	14/14	0.5
512361-2	5.50	0.361	80	40,000	4.5	180	14, 16, 18	14/16, 16/18	12/14/16, 14/16/18, 16/18/20	*	*	0.5, 0.75
512361-2	5.50	0.361	80	60,000	4.5	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	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	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	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	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	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	429	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.