

STANDARD HELICAL PILE CONFIGURATIONS

SHAFT			TORQUE/CAPACITY			STANDARD HELIX CONFIGURATIONS					
PRODUCT CODE	O.D. (inches)	WALL THICKNESS (inches)	MAX TORQUE (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	NA	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	NA	11,000	10	110	8, 10, 12	8/10, 10/12	8/10/12, 10/12/14	14	14/14	0.5
278203	2.875	0.203	8,300	9	75	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	10,000	9	90	8, 10, 12	8/10, 10/12	8/10/12, 10/12/14	14	14/14	0.5
312216	3.50	0.216	13,400	7	94	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	17,200	7	120	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	0.337	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	0.337	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	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	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	40,000	4.5	180	14, 16, 18	14/16, 16/18	12/14/16, 14/16/18, 16/18/20	*	*	0.75
512361-3	5.50	0.361	60,000	4.5	270	14, 16, 18	14/16, 16/18	12/14/16, 14/16/18, 16/18/20	*	*	0.75
512415-2	5.50	0.361	40,000	4.5	180	14, 16, 18	14/16, 16/18	12/14/16, 14/16/18, 16/18/20	*	*	0.75
512415-3	5.50	0.415	60,000	4.5	270	14, 16, 18	14/16, 16/18	12/14/16, 14/16/18, 16/18/20	*	*	0.75
700408	7.00	0.408	70,000	*	*	16, 18, 20	16/18, 18/20	16/18/20, 18/20/22	*	*	0.75
700408-O	7.00	0.408	120,000	*	*	16, 18, 20	16/18, 18/20	16/18/20, 18/20/22	*	*	0.75
700453	7.00	0.453	130,000	*	*	16, 18, 20	16/18, 18/20	16/18/20, 18/20/22	*	*	0.75
858322	8.625	0.322	90,000	*	*	18, 20, 22	18/20, 20/22	18/20/22, 20/22/24	*	*	0.75
858500	8.625	0.500	125,000	*	*	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.

