

STANDARD HELICAL PILE CONFIGURATIONS

SHAFT		TORQUE/CAPACITY			STANDARD HELIX CONFIGURATIONS					
O.D. (inch)	WALL THICKNESS (inch)	MAX TORQUE (ft-lb)	TORQUE INSTALLATION FACTOR kt	ULTIMATE CAPACITY $k_t * T_{max}$ (kip)	SINGLE HELIX (inch)	DOUBLE HELIX (inch)	TRIPLE HELIX (inch)	FLIGHTED EXTENSION SINGLE HELIX (inch)	FLIGHTED EXTENSION DOUBLE HELIX (inch)	HELICAL THICKNESS (inch)
1.50	N/A	7,000	10	70	8, 10, 12	8/10, 10/12	8/10/12, 10/12/14	14	14/14	0.375
1.75	N/A	11,000	10	110	8, 10, 12	8/10, 10/12	8/10/12, 10/12/14	14	14/14	0.5
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
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
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
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
4.50	0.290	26,500	6	159	12, 14, 16	12/14, 14/16	10/12/14, 12/14/16	14	14/14	0.5
4.50	.290	33,500	6	201	12, 14, 16	12/14, 14/16	10/12/14, 12/14/16	14	14/14	0.5
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
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
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
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
5.50	0.415	40,000	4.5	180	14, 16, 18	14/16, 16/18	12/14/16, 14/16/18, 16/18/20	*	*	0.75
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
7.00	0.408	70,000	*	*	16, 18, 20	16/18, 18/20	16/18/20, 18/20/22	*	*	0.75
7.00	0.408	120,000	*	*	16, 18, 20	16/18, 18/20	16/18/20, 18/20/22	*	*	0.75
7.00	0.453	130,000	*	*	16, 18, 20	16/18, 18/20	16/18/20, 18/20/22	*	*	0.75
8.625	0.322	90,000	*	*	18, 20, 22	10/20, 20/22	18/20/22, 20/22/24	*	*	0.75
8.625	0.500	125,000	*	*	18, 20, 22	10/20, 20/22	18/20/22, 20/22/24	*	*	0.75
9.625-36.00	*	*	*	*	*	*	*	*	*	*

NOTES:

1. Customized shaft and helix sizes available upon request.
2. * project specific

We're here to help!

Contact your Intech business development manager to assist you on your next project. Or, contact Intech Engineering for assistance in designing your next helical project.