

Certified Test Summaries

A.B. Chance Co. Power-Installed Screw Anchors (PISA®) in *COHESIONLESS* soil

Type SS Anchors (Solid, round-cornered, square shaft)

• 1½" Shaft Size

Helix Configuration	Final Installed Depth	Soil Data		Design Data		Test Results		Installation Torque, ft.-lb.	Location
		Intermediate Soil	Bearing Stratum	Load, kips	Deflection at Design Load, inches	Load, kips	Deflection, inches		
8"	19 feet	Alluvial Sand	Alluvial Sand	25	0.25	45	0.311	2,000	Colorado
10"	9 feet	N/A	N/A	Demo	Demo	33.8	0.216	1,500	Michigan
10"	7 feet	Dense Sand	Dense Sand	Demo	Demo	35	0.719	2,400	Arizona
10"	7 feet	Dense Sand	Dense Sand	Demo	Demo	32.5	0.430	1,250	Arkansas
10"	41 feet	Soft Clay	Silty Gravel	20	0.2	39	0.475	Not Available	Colorado
8", 10"	21 feet	Silty Sand	Silty Sand	15	0.125	44	0.492	3,000	Colorado
8" - 10" - 12"	21 feet	Sand, some Peat	Fine Sand (SP)	20	0.35	20	0.35	Not Available	Minnesota
8" - 10" - 12"	21 feet	Sand w/Fat Clay	Medium Sand (SP)	N/A	Not Available	16	0.48	1,600	Minnesota
8" - 10" - 12"	73 feet	Sand Fill w/Fat Clay	Medium Sand (SP)	N/A	Not Available	24	1.13	3,500	Minnesota
8" - 10" - 12"	64 feet	Sand Fill w/Fat Clay	Medium Sand (SP)	N/A	Not Available	30	1.3	4,500	Minnesota
8" - 10" - 12"	31 feet	Fill and Organic	Sand and Gravel	28	Not Available	28	1.025	4,000	Minnesota
8", 10"	10 feet	Sand Fill	Sand	15	0.36	32	0.9	3,000	Minnesota
8" - 10" - 12"	12 feet	Sand Fill	Sand	15	0.12	32	0.5	Not Available	Minnesota

• 1¾" Shaft Size

8",10",12",4x14	41 feet	Sandy Clay Fill	Sandy Silt (Bay Mud)	23.8	0.43	71	1.35	10,000	California
10"	13 feet	Gravelly Sand	Gravelly Sand	50	0.48	80	0.72	N,A	California
8", 10"	33 feet	Sand Fill	Sand Fill	25	0.231	50	0.53	N,A	New York
8" - 10" - 12"	18 feet	Lignite Fill	Med,Dense Clayey Sand	29	0.15	52	0.34	6,000	Texas
8"	10 feet	Sand,Gravel,Cobbles	Sand, Gravel, Cobbles	20	0.057	40	0.202	N/A	Colorado

Type HS Anchors (3½" O.D. pipe shaft)

Helix Configuration	Final Installed Depth	Soil Data		Design Data		Test Results		Installation Torque, ft.-lb.	Location
		Intermediate Soil	Bearing Stratum	Load, kips	Deflection at Design Load, inches	Load, kips	Deflection, inches		
8" - 10" - 12"	26 feet	Sand	Sand	N/A	Not Available	100	.90	1,000	Minnesota
10", 12"	18 feet	Sandy Loam	Sandy Loam	25	.175	60	0.74	5,000	Minnesota
10", 12"	18 feet	Sandy Loam	Sandy Loam	3	.125	25	N/A	5,000	Minnesota

NOTE: Because the Chance Company has a policy of continuous product improvement, it reserves the right to change design and specifications without notice.

