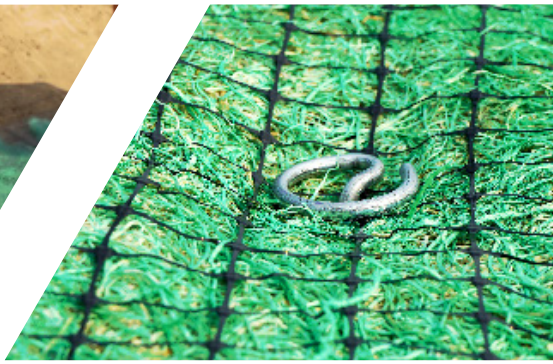
American Excelsior Company®

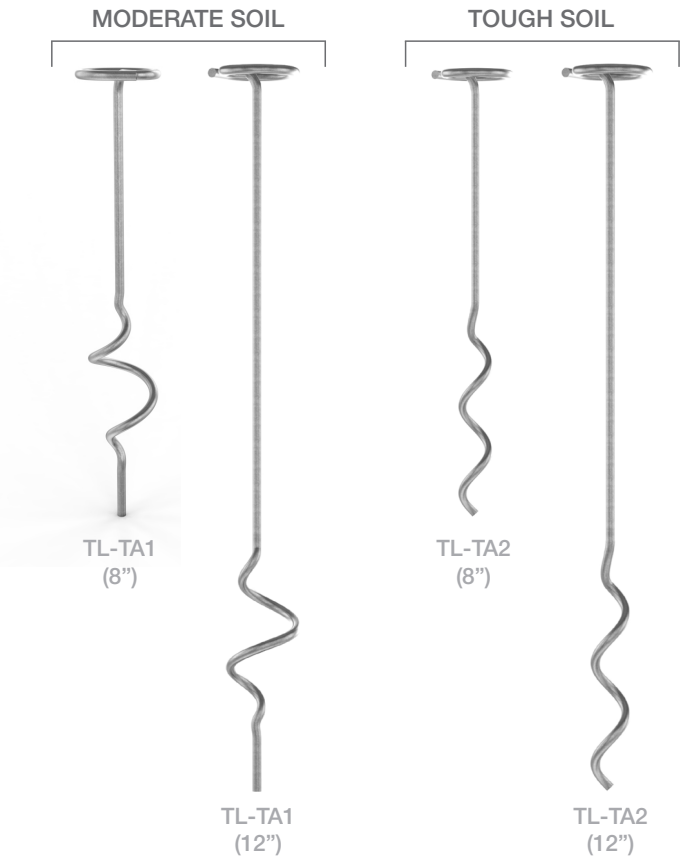
Pin Anchoring

High load anchoring pins designed to hold turf reinforcement matting, erosion blankets, geotextiles and landscaping fabrics.



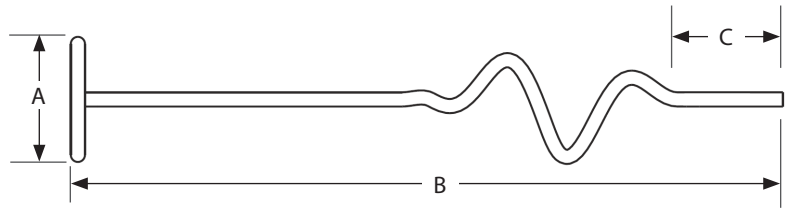
The Gripple Twist Pin
Advantage

- Quick and easy install with a standard electric drill.
- Gripple twist pin pull out strengths far exceed all other pinning methods.
- Made in USA & meets Buy American Act! Now ISO 9001 compliant.
- 8” & 12” lengths plus patented Gripple twist locks your ECBs & TRMs down without damaging the mat.
- Reduces or eliminates blanket failures due to improper installation and pin placement.
- Ensures intimate contact between the ECB / TRM and soil.



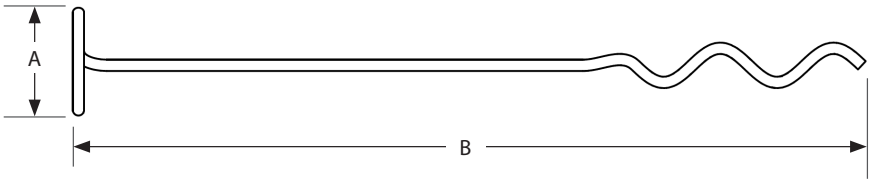
PIN DIMENSIONS

TL-TA1 - MODERATE SOIL (8” and 12”)



Dimensions	8”	12”
A	1.38”	1.38”
B	7.87”	11.78”
C	1.10”	1.10”

TL-TA2 - TOUGH SOIL (8” and 12”)



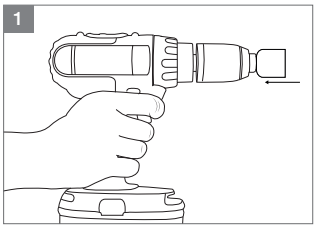
Dimensions	8”	12”
A	1.38”	1.38”
B	7.87”	11.87”

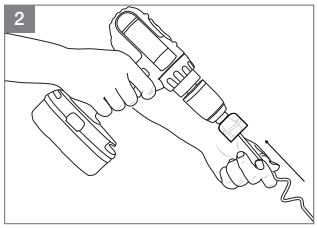
American Excelsior Company®

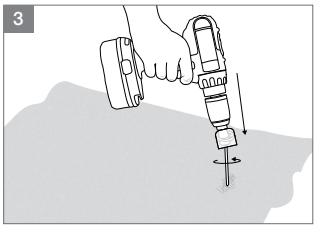
INSTALLATION TOOLS

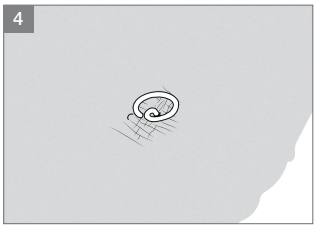
Designed for the twist pins there's a 3.5" chuck compatible with any standard drill or use the 19" extended chuck for more reach.

INSTALLATION STEPS

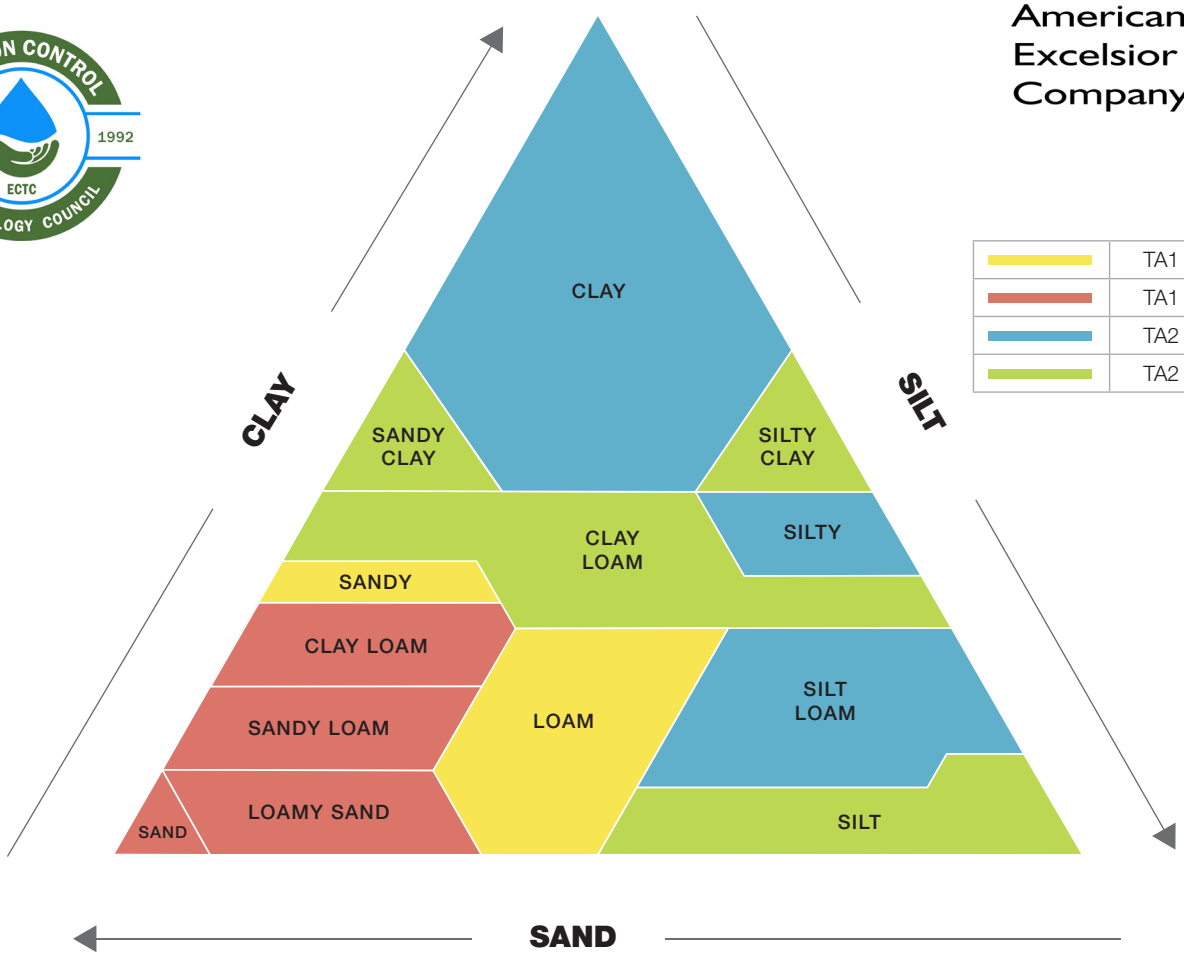








Soil Type Recommendations



Gripple's / AEC recommendations are based on the following criteria; The Standard Penetrating Test (SPT) procedure is commonly used to determine the geotechnical engineering properties of subsurface soils and it is a situ testing method of soil properties. The USDA classifies soil types according to a soil texture triangle chart which gives names to various combinations of clay, sand, and silt. The Soil Triangle is a commonly used visual representation of the possible soil type combinations based on soil particle size.

		TL-TA1		TL-TA2	
SPT# & Value N	Soil Type	8”	12”	8”	12”
#1 (0-4)	very soft clays	good	best		
#2 (5-10)	soft clays	good	best		
#3 (11-30)	moderately compact clays	good	good	best	good
#4 (31-50)	compact to stiff clays, compact silt, silt & lose sand, moderately compacted sand & gravel			good	best
#5 (>50)	compact to very compact clays, gravel & rock, hard layers			best	good

The following graphs are only to be used as a template for baseline determinations. If required, Gripple can provide additional technical services to assist in final installation decisions.