

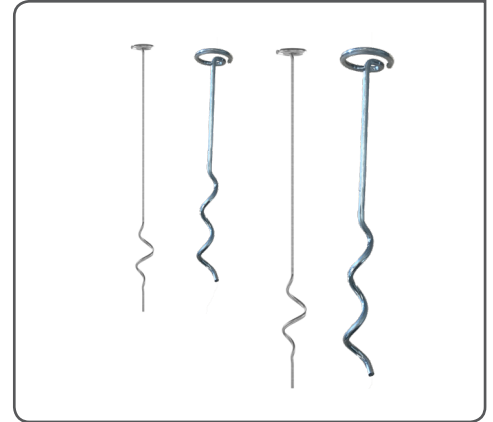
Twist Pin



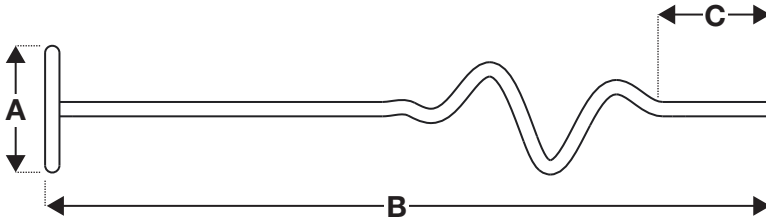
The Twist Anchor (Available in 4 styles for different soil types: TL-TA1(8"), TL-TA2(8"), TL-TA1(12") and TL-TA2(12")) holds all types of erosion control and soil stabilization blanket matting securely in place.

FEATURES / BENEFITS

- Quick and easy to install with an electric drill and custom chuck
- Superior performance when compared to traditional straight pins
- Eliminates time & labor associated with replacing or reworking pins that have become loose or pulled out altogether
- The patent pending innovative design of the installation chuck allows the Twist Anchor to be installed to full depth without damaging the mat
- Integrated top coil form eliminates the need for a washer, spreads the load and helps secure the matting in place
- Extended tip allows faster placement and enhanced interaction with matting on install



SPECIFICATION



	TL-TA1 (8")	TL-TA1 (12")	TL-TA2 (8")	TL-TA2 (12")
Dimension	Length (in)			
A	1.38	1.38	1.38	1.38
B	7.87	7.87	11.87	11.87
C	1.1	0	1.1	0

INSTALLATION TOOLS



Chuck
(3.5 in)

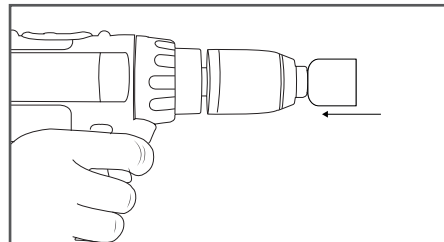


Extended Chuck
(1ft 7 3/4 in)

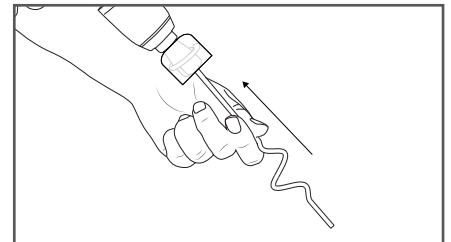
For more information contact us or visit our website - www.grippler.com

INSTALLATION

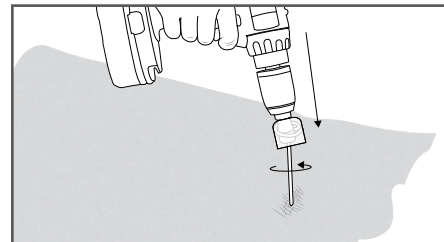
1.



2.



3.

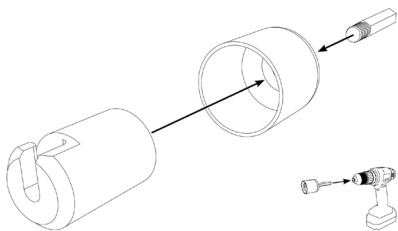


4.



For more information on how to install the TL-TA1 visit our Youtube channel - GripplerTV. Alternatively see Installation Guidelines & Procedures.

CHUCK ASSEMBLY



PI-TLTA1-US

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Grippler's policy is one of continuous development and innovation. We therefore reserve the right to alter specifications, etc. without notice.

Proper considerations should be given to underground services before installing.

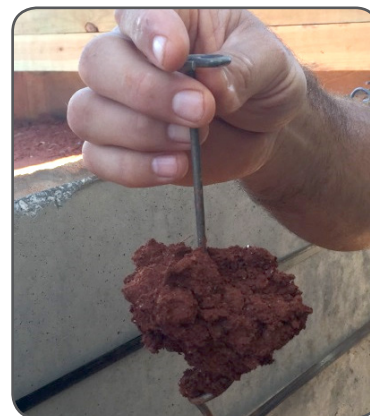
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Twist Pin







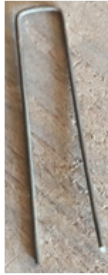
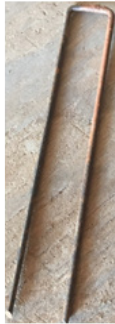



The Twist Pin can be used in a variety of soils

Grippler performed actual pullout testing on many different anchoring devices. These tests recorded the pullout data in pounds of resistance (lbs).



Resistance to pull-out versus alternate anchoring techniques (lbs)

ANCHOR DEVICE									
SOIL TYPE									
	TL-TA1 (18")	TL-TA1 (12")	TL-TA2 (8")	J-Hook (18")	Washer Pin (18")	Washer Pin (12")	Sod Staple (6")	Sod Staple (8")	Wood Stake (8")
Clay	189	233	216	45	40	45	24	30	232
Loam	163	198*	132	34	14	22	20	48	153
Sand	50	106	59	22	9	10	8	9	34

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