

## HARDWARE & SPECIALTY PRODUCTS

### Installation Made Easy

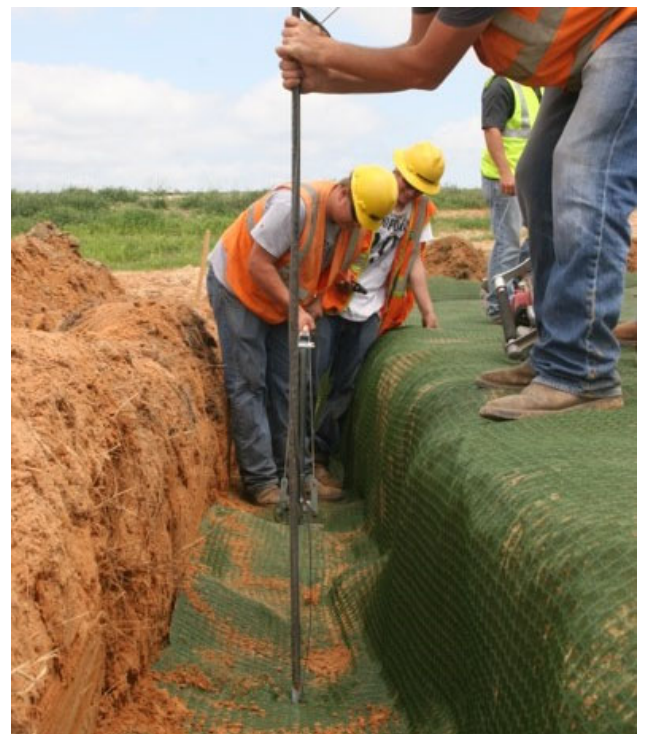
Choosing the right solution is half the battle against costly erosion. The other half is proper installation. The selection of installation fasteners is often an afterthought in designing, leading to fastener selection based on the lowest cost option.

*For better results, installation fasteners should be selected on the total cost of the project including their performance, longevity, and speed of install.* Western Green can provide all the tools you need for quick, effective installation tailored to your total project performance and costs needs.

Western Green offers a full and diverse line of fasteners for use with our Rolled Erosion Control Products (RECPs) and Sediment Retention Fiber Rolls (SRFRs); including wire staples, rebar staples, fabric pins, and environmentally-friendly biodegradable plastic stakes and our wooden stakes.

When installing permanent systems or systems needing increased performance, Western Green carries anchoring solutions including twist pins and percussion driven earth anchors. These anchoring solutions can increase the veneer's mechanical strength by reaching deep into the soil strata for enhanced anchoring in the worse conditions.

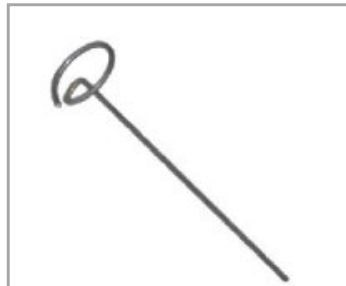
To learn more about proper staple/fastening placement patterns, please visit our website for full installation guidelines. Fastener rates will vary depending on the material, soil type, and severity of application.



## Wire Staples and Pins


**Wire U-Staples**

6"-11 gauge: 1000/box, 60 box/pallet  
8,10,12" – 8 gauge: 500/box,  
50 box/pallet


**Round Top Pins**

Wire Round Top Pins available in 6"-  
11-gauge wire with a 1.5" circular  
head. 1000/box, 50 box/pallet


**V-Top Wire  
Staples**

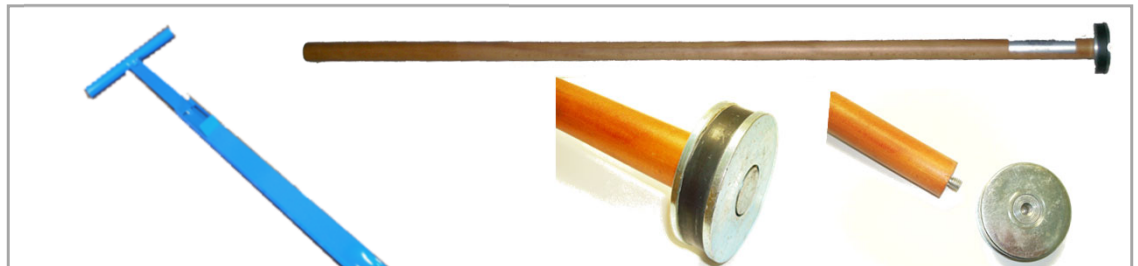
Wire V-Top Staples available in  
6"-11-gauge wire. 1000/box, 60  
box/pallet


**Rebar Staples**

U-shaped 3/8" Rebar Staple.  
Available in 12x2x12" and 18x2x18"  
Packaged loose, sold individually


**Fabric Pins**

Straight Steel Pin with a 1.5" steel  
washer. Available in 12,18, and 24"  
options. 100/box, 50 box/pallet


**Single Shot  
Staple Gun**

Single Shot Staple Gun for use with the 6" U-  
shaped wire staples. Loads single staple, with  
spring action install

**Round Top Driver**

Magnetic head on a 38" length wood handle, used to assist  
in the installation of wire Round Top and V Top staples.

SKU	Description	Unit/Box	Box/Pallet	Stocking Location
STAPLE 6X1X6	6" U-Staple, 11-gauge steel wire	1000	60	ALL
STAPLE 8X2X8	8" U-Staple, 8-gauge steel wire	1000	50	PSV
STAPLE 10X2X10	10" U-Staple, 8-gauge steel wire	500	50	PSV
STAPLE 12X2X12	12" U-Staple, 8-gauge steel wire	250	48	PSV
STAPLE RT 6	6" Round Top Staples, 11-gauge steel wire	1000	50-75	ALL
STAPLE V 6	6" V Top Staples, 11-gauge steel wire	1000	60	PSV
STAPLE REBAR 12	12" REBAR U-staples, 3/8" Rebar	Loose	--	PSV
STAPLE REBAR 18	18" REBAR U-staples, 3/8" Rebar	Loose	--	PSV
STA PINS 12 100	12" Straight steel pin with 1.5" steel washer	100	50	EVV/MAC
STA PINS 18 100	18" Straight steel pin with 1.5" steel washer	100	50	EVV/MAC
STA PINS 24 100	24" Straight steel pin with 1.5" steel washer	100	50 or 64	EVV/MAC
STAPLE RT DRIVER	Magnetic Head Tool for use with the STAPLE RT 6	24	--	EVV/PSV
STAPLE GUN SS	Single Shot gun for use with 6" U-Staples	--	--	EVV



## Wood Stakes & Coir Logs

### EcoPegs®

The EcoPegs are a popular all-natural fastening option for use with Rolled Erosion Control Products (RECPs) in place of metal staples or pins.



### STAKE WOODEN 6-NP, 8-NP, 12-NP

Hardwood Stakes with a Notch to grab the matting.  
6": 1000/box, 8" and 12": 500/box



*While the EcoPegs are used to secure RECPs, the straight wood stakes are commonly used to secure sediment logs such as straw wattles or coir logs.*



### Wood Stakes

Hardwood 1x1" Straight Stakes 18, 24, and 36" lengths: 50/bundles. (36" also available in 2"x2") For use with Sediment logs.



### Coir Logs

Coir Logs, 12" diameter, 10' length, 7 lb density with natural coir net.

SKU	Description	Unit/Box	Box/Pallet	Stocking Location
STAKE WOODEN 6-NP	6" EcoPeg for use with RECPs	1000	56	ALL
STAKE WOODEN 8-NP	8" EcoPeg for use with RECPs	500	64	ALL
STAKE WOODEN 12-NP	12" EcoPeg, for use with RECPs	500	56	ALL
STAKE WOODEN 18	1" x 1" x 18" Log Stake	20	Varying	PSV
STAKE WOODEN 24	1" x 1" x 24" Log Stake	20	Varying	PSV
STAKE HUB 24-1X1	1" x 1" x 24" Log Stake	50	Varying	PSV
STAKE HUB 36-1X1	1" x 1" x 36" Log Stake	25	Varying	PSV
STAKE HUB 36-2X2	2" x 2" x 36" Log Stake	50	Varying	PSV
COIR LOG 12X10	Coconut Coir Fiber Log, 7lb density, 12" diameter, 10' length	Loose	Loose	MAC/PSV

## Biodegradable and Plastic Stakes

Western Green carries both biodegradable and UV-stabilized plastic stakes. For environmentally-sensitive areas, the GreenStakes® are a good alternative to wire fasteners, for a 100% biodegradable option. When installing transition mats, the UV stabilized stakes allow for a flush fastener install using no metal.

### GreenStakes®



### Biodegradable Stakes

Biodegradable Green T-Stakes.  
4": 500/box, 200 box/pallet  
6": 500 box, 140/pallet



### UV Plastic Stakes

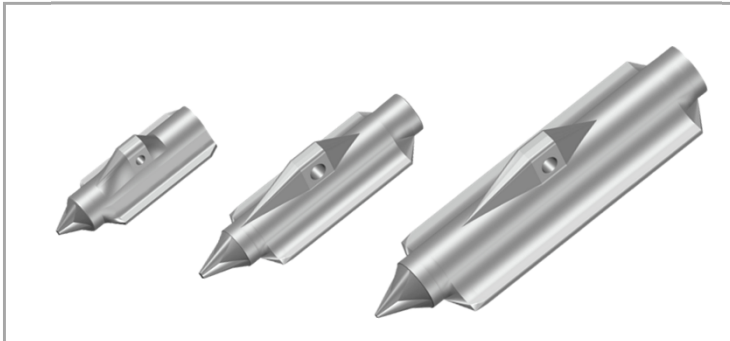
12" UV stabilized plastic stakes with  
a 1.5" circular head  
50/box, 48 box/pallet



SKU	Description	Unit/Box	Box/Pallet	Stocking Location
STAKE BIO 4-500	4" Green biodegradable plastic T-stake	500	200	MAC/MCP
STAKE BIO 6-500	6" Green biodegradable plastic T-stake	500	140	EVV/MAC/MCP
STAKE REPRO 12	12" UV stabilized plastic stake with 1.5" circular head	50	48	PSV



## Falcon® Anchoring Solutions

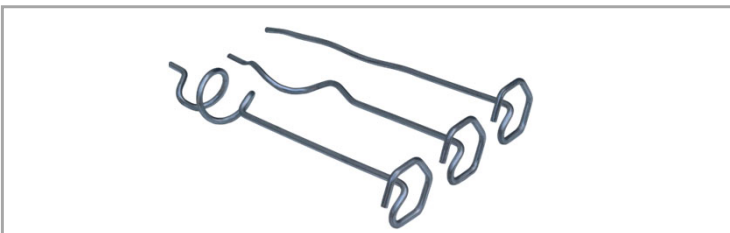


### Falcon Percussion Driven Anchors

Falcon Percussion Driven anchors are available in multiple configurations, and consist of an anchor head, cabled tendon, and a self-tensioning faceplate. The Falcon anchors are available in three different anchor head sizes with multiple sizes and configurations available.



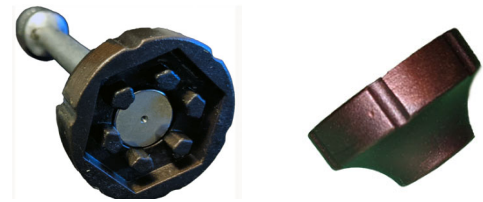
Installing Falcon anchoring solutions can increase the overall performance of Western Green selected RECPS.



### Falcon Hex Pins

Hex Pins available in three helix configurations HS (soft soils), HC (compact soils), and HR (hard rocky soils) and in two lengths 8" and 12" lengths

All are 100/Box, 8" are 90 boxes/pallet, and 12" are 70 boxes/pallet



### Hex Pin Installation Tool

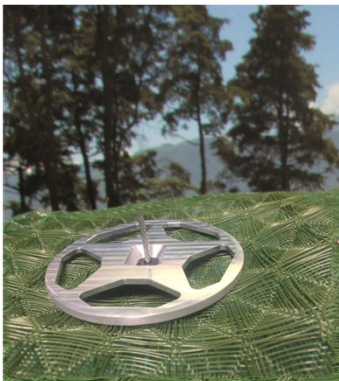
Drill Bit Adaptors for easy installation of the Falcon Hex Pins. The installation tool will work with any standard hand drill.

SKU	Description	Unit/Box	Box/Pallet	Stocking Location
HS-8	8" single-leg steel twisted short helix pin with circle head	100	90	EVV
HS-12	12" single-leg steel twisted short helix pin with circle head	100	70	EVV
HC-8	8" single-leg steel twisted long helix pin with circle head	100	90	EVV
HC-12	12" single-leg steel twisted long helix pin with circle head	100	70	EVV
HP-CHUCK	Hex Head drill bit adaptor	1	--	EVV
F80-Z	3' Zinc-Aluminum Cable with 80mm anchor head	50	36	EVV
F80-X	3' Extra strength Zinc-AL Cable with 80mm anchor head	50	36	EVV
F120-Z	3' Zinc-Aluminum cable with 120mm anchor head	50	36	EVV
FL120-Z6	6' Zinc-Aluminum cable with 120mm anchor head	TBD	TBD	EVV
FL170-Z6	6' Zinc-Aluminum cable with 170mm anchor head	TBD	TBD	EVV

## Installation Fastener Selection Guide

		Fastener Type																			
		Wire U Shape				Wire Circle Top	Fabric Pin			Eco-Stakes		Wood Stakes			Green Stakes		Rebar U-Staples		UV Stake	Hex Pins	
Properties		6	8	10	12	6	12	18	24	6	12	18	24	36	4	6	12	18	12	8	12
Soil Type	Cohesive Soils	X	X	X		X	X	X		X	X	X	X		X	X	X	X	X	X	
	Less Cohesive		X	X	X			X	X	X	X	X	X	X		X	X	X	X	X	X
	Loose soils & Sand			X	X				X	X	X	X	X	X			X	X	X	X	X
	Hardpan Soils						X	X		X	X	X	X				X	X	X	X	
	Mucky Soils													X			X	X			X
System	ECBs	X	X	X	X	X	X	X	X	X	X				X	X					
	TRMs	X	X	X	X	X	X	X												X	X
	Scour Mats		X	X	X											X	X	X	X	X	X
Fastener Longevity	Sediment Logs											X	X	X			X	X	X		
	< 3 Years	X	X	X	X	X	X	X						X	X						
	3-5 Years									X	X	X	X	X							
	>5 Years															X	X	X	X	X	
Special Considerations	Ecological Sensitive Areas									X	X	X	X	X	X	X					
	High-Tensile															X	X			X	X
	Works with RT Driver					X															

## Falcon® Anchor Solution Guide



Anchor Solution	Description	Anchor Size	Typ. Working Load	Typ. Application
Hex Pins	Steel twisted anchor with hex head. Available in HC, HS, and HR coil types	8"	50-180 lbs	Anchoring for Moderate loading/ Survivability
		12"	100-230 lbs	
F80-Z	Gravity Die Cast Zinc-Aluminum PDEA	3.4 in <sup>2</sup> anchor area, 3mm, 3 ft	650 lbs	Surficial Slope and high-load capabilities
F120-Z and FL120-Z6	Gravity Die Cast Zinc-Aluminum PDEA	6 in <sup>2</sup> anchor area, 3-4 mm, 3-6 ft	650-2500 lbs	High to extreme loading to greater depths
FL170-Z6	Gravity Die Cast Zinc-Aluminum PDEA	13 in <sup>2</sup> anchor area, 4 mm, 6 ft	3000 lbs	Ultimate loading and strength for structural support