American Earth Anchors

Erosion Control

americanearthanchors.com

Turf Disk

For erosion control

Bullet

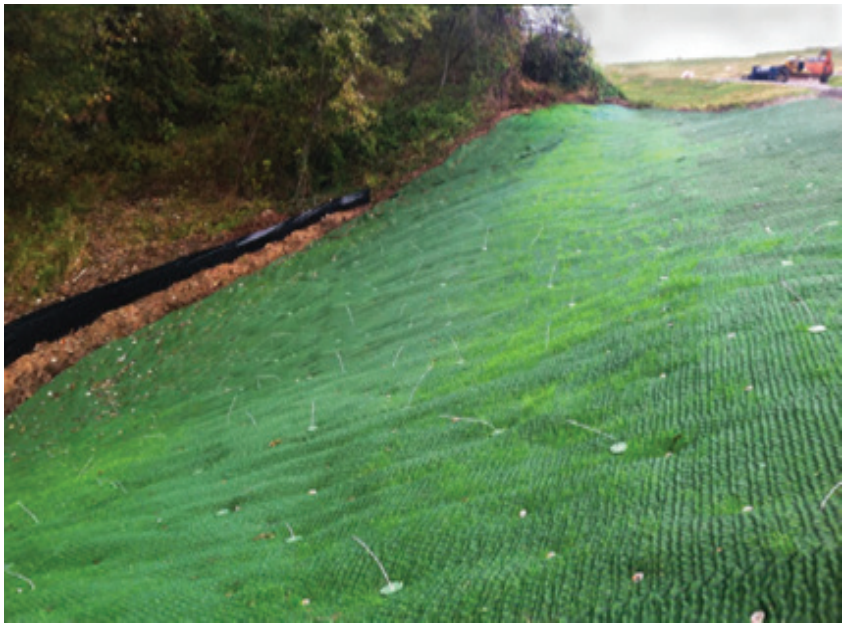
Tough anchor for tough soils-fast, easy installation in all conditions, including compact, hard-pan or stony soils.

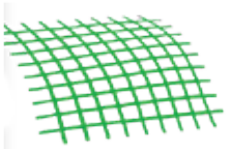
Arrowhead

Fast, easy installation in most soils.
Only 3” wide for minimum soil distrubance.

Turf Disk

High-density polypropylene disk with slots for vegitation growth. Green color blends with enviroment.

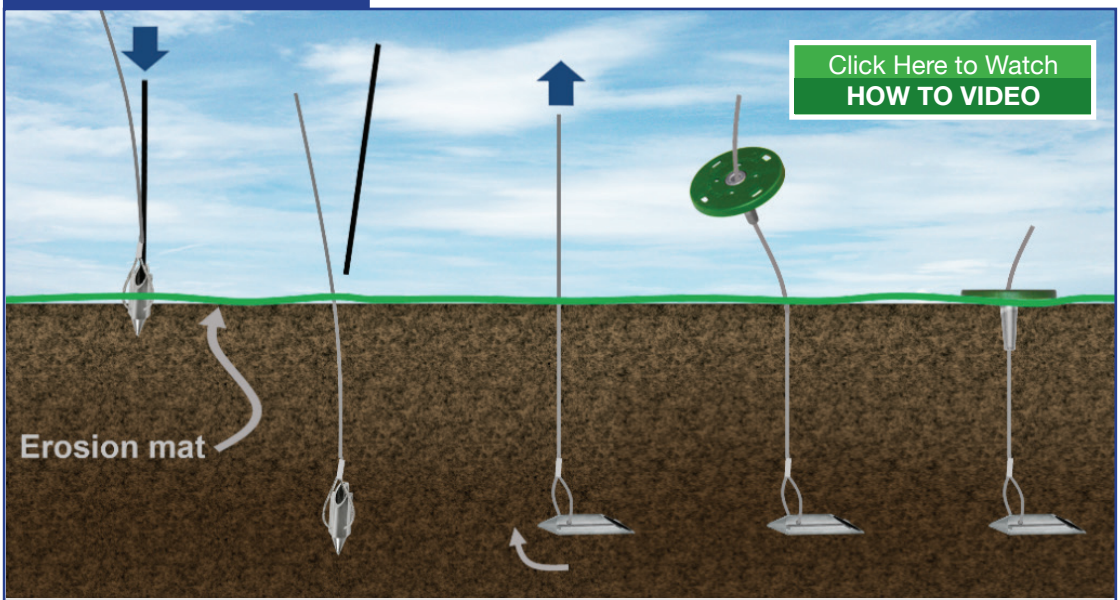




Our Anchor Discs are perfect for environmental projects such as:

• Erosion blankets • Landscape fabric • Riverbanks Liners
• Landfill covers • Gabions • Straw bales and more.

How they work



1 Drive in anchor using drive rod

2 Remove Drive Rod

3 Pull cable to lock anchor

4 Thread disk onto cable

5 Slide disk down cable - pull cable UP, push disk Down

Installation Instructions

1. Insert the required steel drive rod into the anchor and place the anchor perpendicular to the slope

a. Establish where the anchor will be installed, insert the drive rod into the anchor and drive the anchor and drive rod through the mat in the desired location making sure that the entrance remains perpendicular to the slope.

2. Drive the anchor to the required depth

a. Minimum depth required is 2-feet

b. Driving methods include:
   i. Sledge Hammer
   ii. Hammer Drill
   iii. Demolition Hammer

3. Remove the Drive Rod

a. In softer soils, Drive Rod can be removed by hand

b. In tougher or compacted soils, Drive Rod may need to be removed by other methods such as JackJaw™
   i. Insert JackJaw™ baseplate notch around Drive Rod, handle must be in up position to open jaws for insertion
   ii. Move lever handle of JackJaw™ in full down/up motion until Drive Rod is extracted

4. Lock the anchor

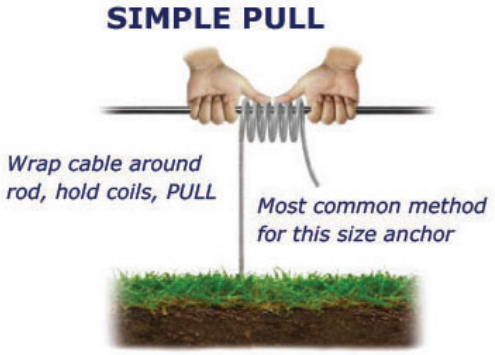
a. Once the drive rod is removed place JackJaw baseplate over the cable ensuring the cable is in line with the Jack Jaw jaws.
   i. Handle must be in the up position to open jaws.

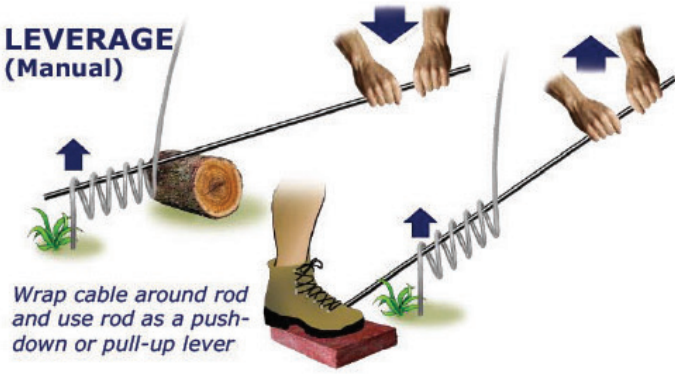
b. Move lever handle of JackJaw in full down/up motion. Pump until resistance is felt. Minimum 2-foot depth installation is required to obtain published specifications.

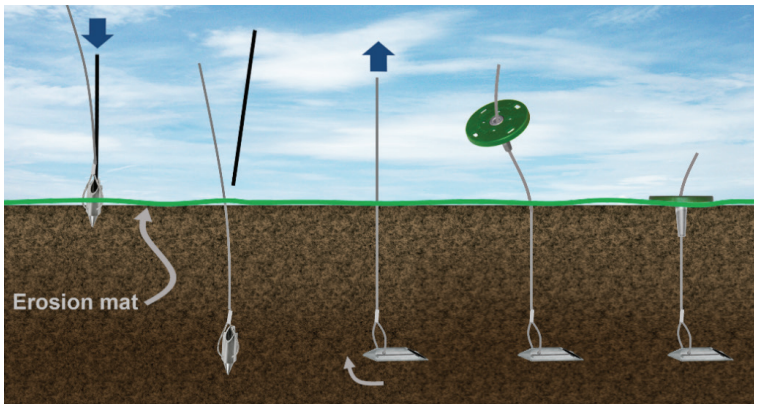
c. Once the anchor is locked thread the Turf Disk onto the cable, pull the cable up through the disk, push disk down against surface.
   i. The Turf Disk may appear recessed in the mat.

5. Cut the cable below grade

Use cable cutters to snip excess cable below grade







Product Data Sheet

Turf Disk and arrowhead/bullet anchors for erosion control are designed for fast, easy installation and superior holding across a wide array of applications. The Turf Disk has slots to allow for vegetation growth while the green color blends into the surrounding environment.

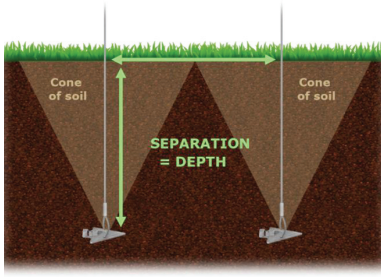
COMPONENT	MODEL	MATERIAL	PHYSICAL PROPERTIES
Turf Disk	QV18-Disk	High-density polypropylene disk with integral Quickvise	3.5” Diameter 3.8” Thick
Bullet	3AL	Anodized 356 alloy aluminum heat treated to T6 specification	3” x 1.25” x 0.75” (L x W xH)
Arrowhead	3ST	11 gauge galvanized steel	3”
Cable	18CBL	Galvanized Aircraft Cable	1/8” Diameter 7 x 19 Strand 2,000 lb breaking strength
Lower Termination	18ALS	Aluminum	Cable Sleeve

3AL-36QV-Disk *(Bullet)*
3ST-36QV-Disk *(Arrowhead)*

Load Capacity for Both Models

Pullout strength at MINIMUM DEPTH 2’ (.6 m)

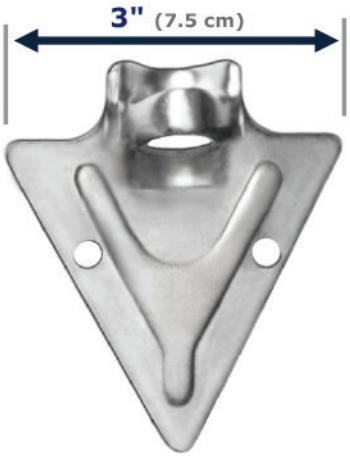
SOIL CLASS 1 Hardpan Asphalt	SOIL CLASS 2 Sandy gravel Very dense sand	SOIL CLASS 3 Silty/clayey sand Silty gravel	SOIL CLASS 4 Loose/med dense sands Loose sands Firm clays	SOIL CLASS 5 Loose fine un- compacted sand
1100 Lb 4.89 kN	**1100 Lb** 4.89 kN	**1100 Lb** 4.89 kN	**600 Lb** 2.67 kN	**350 Lb** 1.56 kN



Typical Spacing:
For best holding strength, anchors should be installed at a minimum spacing equal to the depth of the anchor, in order to avoid each other’s “cone of soil” — the region of soil that contributes to an anchor’s holding strength. Spacing varies depending on the site conditions, Verify with Manufacture of HPTRM System to ensure proper anchor layout is being used.

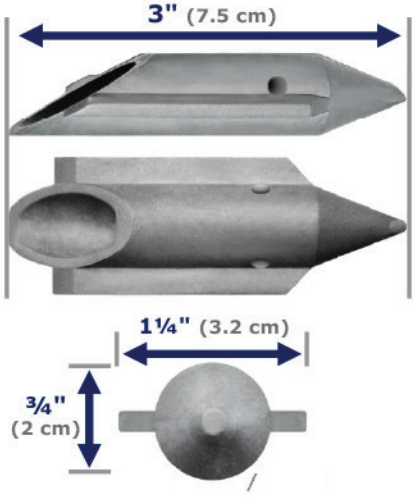
Anchor

Galvanized Steel



Bullet

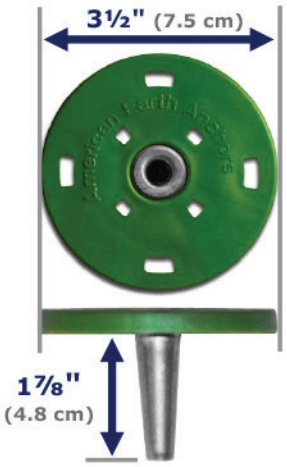
Anodized Cat Aluminum



- **Aircraft-quality 356 alloy**
- **Heat-treated to T6 specification**

Disk

with Intergral Quickvise



- **Integral Quickvise**
- **HDPE disk with holes for roots**
- **Green color blends with vegetation**

Cable

Galvanized Steel
Aircraft Cable

Diameter: ⅛" (3 mm)
Length: 3' (.9 m)
Breaking strength: 2,000 lb (8.9 kN)

The procedures and suggested specifications presented in this brochure are to provide general information only. While every effort has been made to ensure its accuracy determining load capacity is an inexact science limited by an inexact environment, but carefully conducted testing can provide useful decision-making data. The only method of accurately predicting the load capacity of an anchor at a specific site is by an on-site proof test of the anchor under local conditions, installed and loaded in the same manner as the intended application. The user is solely responsible for the selection, use, efficiency and suitability of the information and anyone making use of the information does so at their own risk and assumes any and all liability resulting from such use. The information contained here is subject to change without notice.