

MATERIAL PROPERTY DATA SHEET

FALCON PINS™

HC-8

Patent Pending

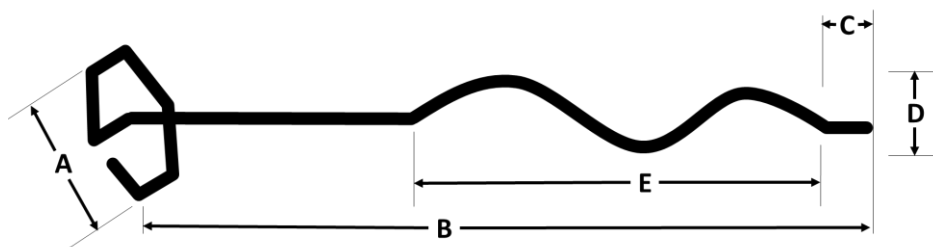
Description

Falcon Pins by Western Green are a patent-pending fastener designed to secure erosion control mattings in place with a pull-out strength up to 10 x that of sod staples. The Falcon HC-8 has a unique 'corkscrew' coil configuration designed for soft, clayey soils. With the 'hex head' shape, the HC-8 pins are easy to install using a hand drill with a 1.5" socket attachment. For faster and easier installation, a custom driving socket is available. HC-8 pins are galvanized, made in the USA and can be installed on ARRA projects.



Dimensions and Performance

| HC-8 Dimensions – in (cm) | |
|---------------------------|-----------|
| Hex Diameter (A) | 1.5 (3.8) |
| Twist Pin Length (B) | 8.0 (20) |
| Tail Length (C) | 0.5 (1.3) |
| Coil Diameter (D) | 1.0 (2.6) |
| Coil Length (E) | 3.0 (7.6) |

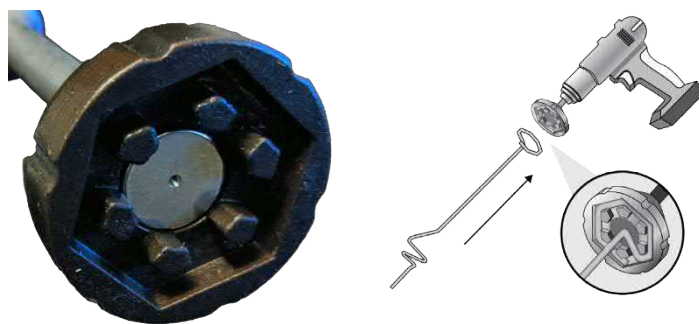


| HC-8 Performance | |
|---|----------------------|
| Pullout Resistance | Up to 170 lb (750 N) |
| * Pullout resistance will vary based on soil type and conditions. | |

Falcon Hex Pins show superior pullout resistance compared to standard fasteners. Pullout resistance will vary based on soil type. A pullout test should be conducted to verify in-situ stability. A minimum 20 lbs of pullout resistance is required for use with rolled erosion control products. HC-8 pins are optimized for clayey type soils.

Installation

- HC-8 pins can be installed with an 'off-the-shelf' 1.5" socket. A custom socket for improved performance is shown to the right.
- Ensure the tip is pushed below the TRM before drilling into ground to avoid entanglement.
- Ensure no debris is on the Falcon Pin before drilling. Debris may cause TRM fibers to entangle.
- With light-weight nets, keep tension on blanket.



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