



North Carolina Department of Transportation
Materials and Tests Unit – Product Evaluation Program
Innovative Technologies and Products Awareness Report
January 18th, 2023



PRODUCT INNOVATION – Apex Dual Recoil Max Sign Stand



Apex Dual Recoil Max Sign Stand in both deployed and collapsed positions with a sample sign attached – image from Eastern Metal website

The Apex Dual Recoil Max Sign Stand is a work zone traffic control product produced by Eastern Metal of Elmira, Inc. out of Elmira, New York and Savannah, Georgia. It is currently approved for use and listed on the Approved Products List (APL) as NP22-9135. The Apex Dual Recoil Max Sign Stand is a full-size sign stand with dual vertical steel coil springs providing excellent wind deflection and lateral stability. The sign stand also has 3 flag holders to increase visibility and is MASH 2016 approved to hold signs up to 84" above grade.

For more information, please visit:

<https://easternmetalsignsandsafety.com/product/apex-dual-recoil-max/>

PRODUCT HIGHLIGHT – DirtBag®55

The DirtBag®55 Dewatering Bag is manufactured by ACF Environmental out of Richmond, Virginia. It has been approved for use and is listed on the APL as NP22-9153. The DirtBag®55 dewatering bag removes silt, sand, and other debris from pumped water on construction sites, ponds, and dredging locations, among others. Each standard bag has a fill spout large enough to accommodate a 4" discharge hose. There are straps attached to secure the hose and prevent pumped water from escaping without being filtered. The flow and removal rates will vary depending upon the dimensions of the DirtBag® and several other factors. However, under most circumstances, a 15'×15' DirtBag®55 composed of 8-ounce non-woven fabric can pass up to 500 gallons of water per minute. For more information, please visit: <https://acfenvironmental.com/products/perimeter-and-sediment-control/sediment-control/dewatering-bags/>

Example of a DirtBag®55 Dewatering Bag being used on a construction site – image from ACF Environmental website

