

SPECIFICATIONS

Windspill™ Deluxe Adjustable Banner Mounting Hardware (U.S. Patent #5,463,973)

- ❑ Warranted for Ten (10) years. Lifetime warranty against rusting.
- ❑ Main castings must be designed so the arm slides onto the base from *either* direction and remains in place until the 3/8"x 7/8" bolts are inserted through the slots in the arm and threaded into the base unit. Once the bolts are properly installed, there is no circumstance that will allow the arm unit to accidentally separate from the base unit.
- ❑ All metal parts of the each bracket system shall be of T-51 heat-treated cast aluminum, which will prevent rusting, discoloration or peeling paint. The base unit shall have a *minimum weight* of 1 lb. 5oz. And the arm unit shall have a *minimum weight* of 2lb. 2 oz.
- ❑ There must be a 3/8" diameter banner attachment hole built into the arm unit to securely and easily attach a tie-down for the pole side of the banner.
- ❑ 13/16" UV treated fiberglass arms must flex to allow "spilling" of some wind force off the surface of the banner, thus, reducing wind load from banners and poles. Fiberglass arms must be properly epoxied into the arm casting to eliminate failure of the rod due to movement in the casting or due to attachment holes drilled through the rod.
- ❑ Fiberglass arms must withstand up to 75-mph wind force without permanent distortion with 30" x 96" banners installed.
- ❑ Flexibility of arms must allow the return of each banner to tightly stretched position.
- ❑ Built-in arm cantilever effect eliminates the need for banner wind flaps, breakaway clips and constant maintenance.
- ❑ Two 3/8"diam. X 7/8"long self-locking bolts shall pass through the slots in the arm unit and thread into the base unit to prevent slipping or loosening of the arm or allow the arm unit to fall from the base unit.
- ❑ There shall be no need for "hitch pins" or other corrective safety devices, as the engineering of the system will not allow the arm unit to separate from the base unit unless the bolts are completely removed.