



A Division of Transportation Equipment Inc.



Pulltarps Spring Arm Component Kit

(Part number 501-0709)

3/24/03

OPERATING DESIGN: Tarpaulin shall deploy by means of an electrically driven roller spool using spring-loaded pivots connected to arms attached to the side of the dump body. Complete tarping function to be performed from ground level or truck cab. Tarp system shall come with all required mounting hardware. Nuts, bolts, brackets, hardware, and arm pivot shall be zinc plated to prevent rust.

- A. **TARPAULIN ROLLER SPOOL:** Tarp roller spool shall consist of the following:
 - A.1 Tarp spool shall be driven by means of a direct gear drive motor
 - A.1.1 Motor to be 12 or 24 volt as required and produce 1.1 hp. minimum.
 - A.1.2 Motor to be lubricated and sealed from the factory.
 - A.2 Tarpaulin roller spool shall be minimum 3-inch diameter galvanized steel tube and shall be sealed from weather.
 - A.2.1 Roller tube shall have a groove for full width insertion and retention of the tarpaulin, by means of a nylon hem tube.
 - A.3 Tarpaulin roller spool shall pivot on heavy-duty nylon bushings.
 - A.3.1 Bushings shall pivot on a minimum 1/2-inch diameter, zinc plated steel roller stub shaft.
 - A.4 Tarpaulin roller spool shall be designed so that the tarp shall roll off the top or bottom of the spool.
- B. **SPRING PIVOT ASSEMBLY:** Spring arm assemblies shall consist of the following:
 - B.1 Spring arm pivot assembly to be manufactured out of heavy gauge steel and contain four springs per side.
 - B.1.1 Spring arm pivot tube to be manufactured out of heavy gauge pipe 1.88" in diameter and powdered coated silver to prevent corrosion.
 - B.1.2 Pivot shaft is designed for compact side mounting.

B.1.3 Springs are to be spiral wound.

B.1.4 Each spring provides no less than 59 foot-pounds of torque.

B.2 Arm sections are to be of heavy duty standard size galvanized steel tubing that is easily replaceable.

B.2.1 Upper arm sections and pull bar to be made of common galvanized tubing 1.66 inches in diameter and have .083 wall thickness.

B.2.2 Upper arm sections attach to pull bar by means of connecting elbows made of cast aluminum.

C. WARRANTY:

C.1 Electric motor carries a three-year manufacturer's prorated warranty.