

FLASH SPECIFICATION

This truck covering system is to be known as Donovan Enterprises' Flash covering system. This system can be used on dump bodies up to 23 feet long.

ELECTRIC DRIVE SYSTEM

Covering system to be operated by either a 12 or 24 volt electric direct-drive motor with a 90:1 gear reduction ratio. Electric kit supplied with a minimum of 60 feet of 8-gauge dual conductor wire and dash plate with forward and reverse action rotary switch with an automatic reset circuit breaker. Motor is protected by plastic cover to prevent damage from weather and improved appearance.

Optional Durabuilt Solenoid Switch Kit consists of a forward and reverse action rocker switch with mounting bracket, a sealed solenoid and cover, an automatic reset circuit breaker and a wiring harness.

ROLLER BAR ASSEMBLY

The Roller bar assembly to be a one-piece extruded aluminum design, 98 inches in length. Roller bar has a $\frac{1}{2}$ " inside diameter. The extrusion pattern is such that a tarp may be installed using a spline or through bolts. $\frac{1}{8}$ " inch aluminum bearing plates, $\frac{1}{2}$ " inch diameter, self-aligning, sealed flange bearings mount on cab shield to support right and left roller bar sections.

WIND DEFLECTOR ASSEMBLY

Optional Wind deflector to be constructed of 1 rounded piece of polished aluminum which can be cut to accommodate various width of trucks. Wind deflector to be mounted on cab shield in front of roller bar assembly to facilitate airflow over tarp.

PIVOT ARM ASSEMBLY

The pivot arms are constructed of 1-piece 150" long heavy-walled extruded aluminum tube with $\frac{3}{16}$ " thick sides increasing to $\frac{7}{16}$ " thick top and bottom. Flash is available with straight pivot arms or with optional 30 degree bend pivot arms.

The 30 degree bend pivot arms are bent 30 degrees using special tooling to avoid any crimp weakening in the bend area. The bend may offer a lower profile to avoid loader damage.

The rear cross piece is 104.5" long 1.5" ID schedule 40 aluminum pipe.

The Flash arms and rear cross piece are connected by matching 90 degree die cast aluminum elbows with bright anodized finish and shape-matched with arm extrusion for maximum strength and premium appearance.

SPRINGS AND ‘CLAMSHELL’ SPRING HOUSING ASSEMBLIES

The heavy duty silicone chrome torsion springs are .625” wide and have a coil diameter of 3.46”.

Each pivot arm is rotated by an enclosed “clamshell” spring housing assembly. These “clamshell” spring housings are constructed of high-strength stamped steel with double zinc protective coating and grade 8 spring pin. Each “clamshell” also contains a slotted upper connection point to allow the installer added adjustability when attaching the pivot arms.

Each spring housing holds up to 5 springs. Also included are zinc plated steel pivot mounts and hardware.

FINISH

Pivot arm and elbow components have a protective, premium appearance bright anodized finish. “Clamshell” spring housings are double zinc coated for added protection and premium finish.

HARDWARE

Covering system is to be supplied with all of the nuts, bolts, mounting brackets, installation instructions and miscellaneous hardware necessary to install the mechanism onto the truck body. All hardware will be of grade 5 or higher.