

**Works Smarter. Lasts Longer.™**

**HEAVY DUTY AUTOMATIC TARPING SYSTEM**



**Fastest tarp replacement system on the market!**

- ◆ If a container ever jumps off the hoist, our lower pivot point cylinders (master/slave) are protected with a ¼" plate enclosure. This modular assembly comes pre-plumbed with bulkhead fittings for fast & easy installation. The upper arm pivot points utilize double acting cylinders.
- ◆ Our patented elbow upper arms enable the operator to place the roller on the rear of the container (10 to 50 cubic yard containers or lengths from 16' to 24'). This reduces tarp replacement and prevents debris blowing out the rear.
- ◆ Greaseless pivot points utilize a self lubricating fiber bushing. No longer do you have to deal with weekly or monthly greasing for proper pivot lubrication and maintenance.
- ◆ NO VALVING (diverter or divider combiners) required for proper arm sequencing or adjustable controls needed to control freefall.
- ◆ O'Brian gives you control options (lever or joystick & inside controls).
- ◆ Approximate installed weight is 1250 lbs.

***Fewer Components, Fewer Issues, Easier Troubleshooting!***

# Magnum Tarper™ Specification Sheet

## GANTRY

- ◆ Tarp cradle ¼" x 7½" x 4¼" x 96" press broke steel windscreen for tarp protection.
- ◆ Cradle support legs 3" x 3" x ¾" Grade A5 steel tubing. ½" top plate with ½" grade 5 fasteners and a ½" bottom plate with ½" grade 5 fasteners.
- ◆ Neoprene cushion pad mounted between the cradle and the gantry legs which allows for flex

## UPPER ARMS (articulating pivot elbow)

- ◆ Constructed of 1 ½" x 2 ½" x ¾" grade A5 tubing with a self lubricating fiber bushing at the pivot point.
- ◆ The upper pivot cylinders are double acting with an 11½" stroke, 2" bore, and utilizes a 1¼" induction hardened chrome rod and are rebuildable.
- ◆ Arm deflector is ¾" x 6¼" x 39 ½" steel
- ◆ Stabilizer Bar is offset and constructed of 1 ½" x 2 ½" x ¾" Grade A5 steel tubing for lateral support to tarper arms.
- ◆ Spring loaded roller assembly is mounted between the articulating pivot elbow arms. Roller is constructed of 4"x ½" aluminum DOM tubing, 1" solid steel shaft, sealed ball bearings, and a torsion spring wrapped in a sound deadening sleeve.
- ◆ Articulating pivot elbow has 64" of hydraulic adjustment. The actuating cylinder is mounted externally below the arm and utilizes self lubricating fiber bushings at the pivot point.

## LOWER ARMS

- ◆ Constructed of 2" x 3" x ¼" grade A5 tubing and has a self lubricating fiber bushing at the pivot point.
- ◆ The lower pivot cylinders utilize a Master/Slave hydraulic cylinder arrangement which are perfectly matched for synchronous arm operation. These have a 12" stroke, custom bores, with 1¼" induction hardened chrome rod and utilize a rephasing port for arm sequencing and bleeding. They are also rebuildable.
- ◆ Pivot Modular Assembly is a fabricated weldment. Top, sides, and bottom are fabricated from ¼" plate steel encasing a Master/Slave hydraulic cylinder arrangement that pushes and pulls the offset linkage assembly for flawless arm operation and extreme durability.
- ◆ Pivot Modular Mounting Brackets are constructed of 3" x 3" x ¼" Grade A5 tube steel. The fabricated weldment includes 4" x 6" x ¼" gussets for additional support and stability.

## CONTROLS & MISC.

- ◆ The Priority valve has a 1.5-1.8 gallons per minute constant flow that includes an integrated adjustable relief valve, all ports will be o-ring boss, and includes a gauge port for easy system pressure adjustment.
- ◆ The control valve is open centered, joystick (or lever) operated, and have an externally adjustable relief valve.
- ◆ The mesh cover is 9'-6" by 28' with side flaps sewn in with memory to make the cover 8' wide for rolling up on to roller. The cover is high quality with 9' x 10' of 15oz vinyl reinforcement on the front end for wear and protection against container.
- ◆ All hoses are abrasion resistant.



**Industries Best Built Roller**

*"Tarp replacement time is dramatically reduced with the O'Brian roller line."*

Run the tarp out (rearward and down). With a co-worker, hand pull the tarp the rest of the way out. Then place the pin of the tension wrench (left image) into the cut out on the roller (right image) and allow to rest against the stabilizer bar. Replace the tarp, then release the tension on the wrench and remove it. Return the tarp to the cradle (it automatically rolls up). SIMPLE!

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