

## **Op 85**

### **Drum Tilting Units "DTR 1 & 2-SC" Series**

#### **Specification:**

Designed to handle 40/50 gallon (200/220 litre) **STEEL DRUMS** with rolling hoops, having a body diameter of approximately 572mm and with rolling hoops not exceeding 660mm diameter. Also suitable for American drums, 55 US gallon capacity, with similar dimensions. Designed also to handle 210 litre plastic 'L' and 'XL' ring drums.

#### **Operation:**

The attachment has two fork pockets, a girdle consisting of a wide steel band with two steel trunnions fitted, and a steel clamp with a chain strap. The girdle has two hinged wings to assist fitting into position. A heavy duty worm gearbox is fitted on one fork pocket. One trunnion is fixed to this gearbox. To fit the attachment, slide the forks into the fork pockets until they are fully engaged. Screw the clamps down firmly to retain the attachment on the truck.

In order to pick up the drum for transportation or pouring, set the girdle to the horizontal position by using the handle or chain fitted to the geared Turning Unit/gear box. The truck forks must then be positioned at a height such that the girdle fits around the centre of the drum, between the rolling hoops. The drum is secured by placing the chain strap onto the hook provided and adjusting the steel clamp to suit the required diameter. To tighten the girdle push the clamp towards the ring and put the r-clip in the slots to prevent the clamp from opening. Ensure that the drum is held securely before lifting. Once lifted into the pouring position, the drum is rotated by means of the handle or continuous loop chain. The worm gear locks the drum at any desired angle.

To release the drum, place on a firm surface, remove the r-clip, pull the steel clamp outwards and unhook the chain. The girdle can then be opened.

The gear ratio has been carefully calculated so that, even when the drum is half full (the worst condition) the tilting operation can be controlled smoothly and without excessive effort.

When half full the maximum weight of the contents should not exceed 180 Kg.

Ensure that the forklift truck has sufficient capacity for the load. Include the weight of the attachment when calculating the total load.

Avoid shock loads when moving the fork truck. Do not allow the drum to scrape along the ground, or collide with any rigid structure.

Do not allow the loop chain to drag along the ground.

Ensure that the fork clamps are kept greased and oiled. When the attachment is off the truck the clamps should be unscrewed to prevent the threads being damaged when the forks enter the pockets.

Visually inspect unit before each period of use for signs of wear or damage.

Thorough examination of the attachment, hook, shackle and eyebolt should be carried out and recorded every six months. ('Refer to the Lifting Operations and Lifting Equipment Regulations 1998' & 'The Provision of Work Equipment Regulations 1998' for further information)

#### **Capacity:**

The safe working load of this attachment is 360 Kg.

**Consult the truck manufacturer if in doubt.**

Revision Date: 08.2.07