

## Drum Handling Equipment

### Single drum lifter, No. 52

The Campbell® drum lifter (Fig. 54) is a completely drop-forged unit for lifting steel drums. It is designed to accommodate a great variety of drums with or without heads removed. It snaps onto the drum and is held there by its spring-loaded cam, even if there is no load. Drums can be lifted from horizontal or vertical position and reversed.

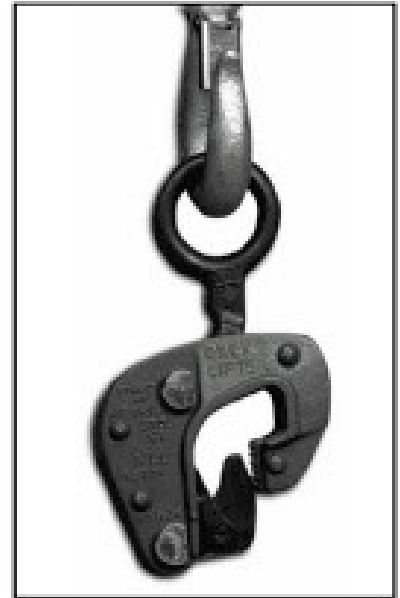


Figure 54

**WARNING!** The clamp must be positioned with the spring-loaded cam on the outside of the drum (Fig. 55).

**WARNING!** This clamp is suitable for lifting steel drums only. This tool is not designed for lifting plastic drums or metal plates or sheets. (Fig. 56).

The cam and pad are the vital working parts of every clamp. They also are the parts subject to wear and should be carefully inspected to assure safe operation (Fig. 57).

**WARNING!** Inspect clamp before each lift. If cam or pad teeth are worn, or spring is weak, or if clamp is damaged, do not use it.

The amount of wear occurs in direct relation to use. Since this cam is for lifting drums only, wear will occur in one area of the cam working surface. Examine the cam surface and compare the worn

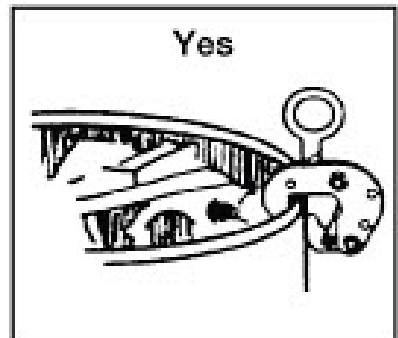


Figure 55

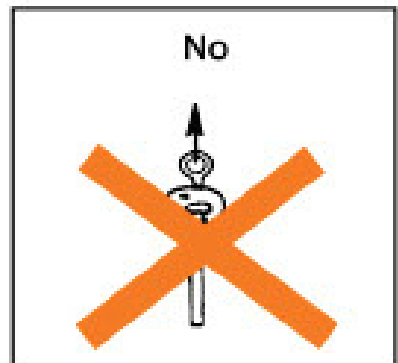


Figure 56

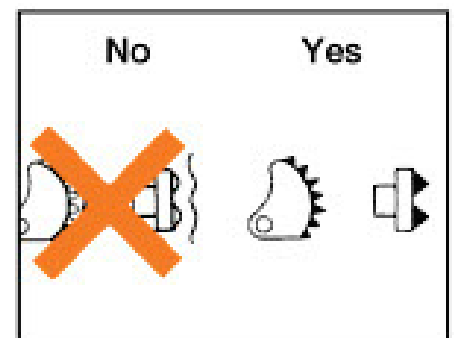


Figure 57

area with any of the unused surface. If the teeth appear to be flattened or dulled, the cam and pad should be replaced. Because shops vary so widely in their operation and frequency of tool use, it is extremely important for you to set up a regular inspection procedure for your particular shop. Refer to the Maintenance and Inspection section at the end of this manual for details.

**WARNING!** Always know the amount of load before you lift. Do not exceed Working Load Limit (WLL) shown on each clamp.

Working Load Limit (WLL) of each clamp is 1/2 ton (Fig. 58). If you need to lift a drum that weighs more than 1/2 ton, but less than 1 ton, use Campbell® Twin Drum Lifter (No. 252), Fork Truck Drum Lifter (No. 260) or Chain Sling For Drums (No. 13).

**WARNING!** Do not lift more than one drum per clamp (Fig. 59).

**WARNING!** Take up slack slowly. Do not bounce or jerk load (Fig. 60).

**WARNING!** All personnel must stand clear of drum while it is being lifted or removed (Fig. 61).

After the drum is at full rest and there is no load on the clamp, the clamp is removed by simply pressing down on the lifting eye and pushing sideways.

**WARNING!** Do not exceed 60° maximum angle between chain legs (Fig. 62).

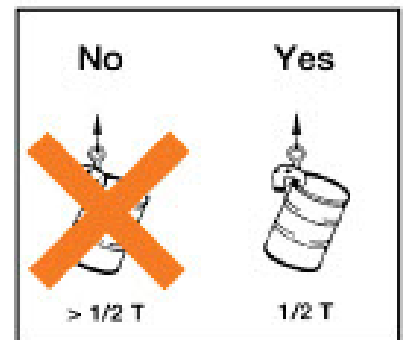


Figure 58

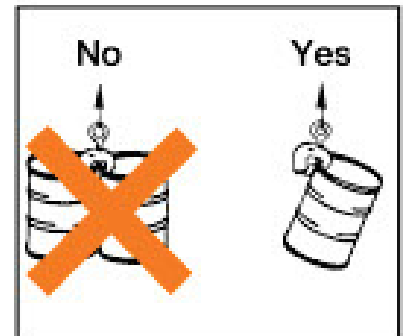


Figure 59

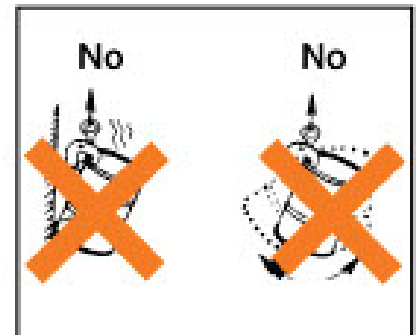


Figure 60

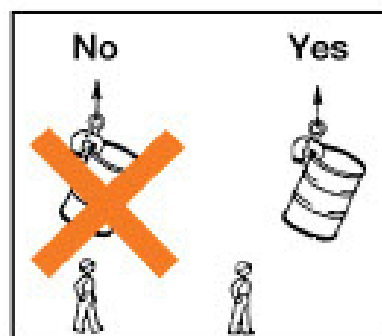


Figure 61

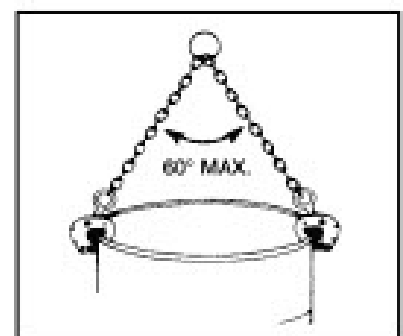


Figure 62