

USER INSTRUCTIONS

(Original Instructions)

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Lifting Pulley

Suitable for Use in the
Lifting of Persons and Loads

Model Capacity


250kg Maximum Working Load





Directive 2006/42/EC

Supply of Machinery (Safety) Regulations 2008



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1. Lifting Pulley for the Lifting of Personnel and Loads

The Lifting Pulley can be used for positioning a winch line. The pulley, attached to an upper anchor point can help to direct the winch line, as part of a system for the lifting of personnel and loads.

The Lifting Pulley is easy to use and will give trouble free operation. The 2 side plates rotate apart to accept a winch line.

2. The Upper Anchor Point

NOTE - When using 'Any' Pulley connected to an Upper Anchor Point As the winch line runs over the pulley, the full load is supported through the winch line both coming onto the pulley, and coming off the pulley. This can result in the anchor point, to which the pulley is attached, supporting as much as double the weight of the load lifted. The anchor point should therefore be designed for use in this manner.

An anchor device or anchor point should, at the minimum, meet the requirements of EN795, anchor devices.

A FOS of 10:1 is used in the design strength of the pulley.

3. The Upper Connector

The upper connector must be of a suitable strength for use with the Lifting Pulley, and is subject to the same loadings as the upper anchor point. See the NOTE above.

For the 250 kg Maximum Working Load, a connector with a breaking load ≥ 50 kN must be used.

Connectors to EN362 can be used.



To fit the winch line, the upper connector is to be removed. Rotate open the side plates (as shown in Figure 1) and insert the rope.

The side plates are to then be realigned and the upper connector reconnected.

Figure 1.

4. Before Use Checks

Before use, the Lifting Pulley should be checked to ensure it is not damaged and will function as intended. Check as follows:

Lifting Pulley

1. Pulley Assembly is free from damage or severe wear – a visual check all over, including the pulley root radius supporting the winch line during use.
2. The pulley rotates freely, and unhindered.
3. The central fastener, is secure and not damaged.
4. The side plates rotate on the axle to accept the rope.
5. There is no bending, distortion or severe wear of the pulley side plates.
6. The maximum working load is identified and legible.

As a Component in a system, Ready to Lift

7. The winch line is not twisted or kinked, but runs directly over the pulley, in the direction of intended lifting.
8. The winch line is held securely in the pulley and cannot run down between the side of the pulley and side plate.
9. The pulley anchor point is strong enough.
- 10.

5. Inspection

The Lifting Pulley must be periodically examined by a competent person at least once in every 6 months. The results of this examination should be formally recorded for future reference and must at least cover the areas 1 to 6, listed above.

On failing inspection or if there is any doubt about the condition of the Lifting Pulley, DO NOT USE. Remove from service. Contact your supplier to arrange repair or replacement.

6. Important Notice

BEFORE USING THIS EQUIPMENT IT IS ESSENTIAL THAT:

- Users are FULLY AWARE of how the equipment operates, where and with what equipment it should be used with.
- That a suitable, safe anchor point is used.
- Where lifting operations are carried out, users have adequate and suitable training.

