

Most Frequently Asked Questions

Date: 17-11-2008

LOADS, OVERLOADING AND OVERLOAD PROTECTION:

What is the maximum permissible loading of my Stagemaker hoist ?

Although the Safe Working Load as indicated on the hoist is the maximum rated load to lift, one should take in consideration that this rating is related to a intermittent loading pattern not a constant load. At this point it is of good rigging practice to load a standard hoist up to maximum 50% of it rated capacity for overhead suspended loads.

Is a Stagemaker hoist protected against overloading ?

Yes every Stagemaker hoist has an built-in mechanical overload protection adjusted at 125% of it's rated capacity. The correct setting should be tested on annual basis.

What happens in case of over loading ?

Overloading may occur in the following cases:

a) while picking up a load:

The overload protection (clutch) will come to slip once the load appears to be more than the actual clutch setting (125%). The load may be slightly lifted from the floor before the clutch fully slips.

Change the loading pattern in accordance to the terms of good rigging practice.

b) as because of asymmetric load distribution during the movement of a multi point suspended load:

The overload clutch might tend to slip if the hoist is over loaded due to the load distribution over various hoists during a motion. If so stop the action and the brake will hold the load at any time as because of the unique Stagemaker combination of clutch and brake.

Change the hook positions in a way that the load remains equally distributed, or use hoists with a sufficient capacity.

Can I use the clutch setting as a loading reference ?

The overload clutch is a safety device to protect the hoist against overloading which is supposed to be an incidental situation. One never should use the device setting to justify loads beyond the rated capacity or speculate on the slipping tolerances.

What is the correct setting of the overload clutch ?

The overload clutch should be set at 125% of the rated load as indicated on the identification plate of the hoist.

The correct setting has to be checked on annual basis at the minimum.

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How can I adjust the overload clutch ?

Adjustment of the overload clutch should be made in accordance to the instructions as given in the hoist manual. The correct setting should be made either with add of the special Stagemaker adjustment tool or with a free suspended calibrated load (rated capacity + 25%).

When should the clutch be replaced ?

The overload clutch is, related to it's duty classification, designed for the lifetime of the hoist. An adjustment facility allows sufficient compensation for eventual wear as to normal operating conditions.

