

Most Frequently Asked Questions

Date: 17-11-2008

SAFETY ISSUES

What is the safety factor of a Stagemaker hoist ?

Although the CE Machine directives require a safety factor of min. 4:1 for standard hoists, Stagemaker hoist are designed in accordance to the standards of the Federation of European hoist Manufacturers (FEM) using a safety factor of 5:1 or better such as:

SM 1 – 125 Kg: 9	SM10 – 1.000 Kg: 5.8
SM 2 – 250 Kg: 8	SM16 – 1.600 Kg: 5.8
SM 5 – 500 Kg: 5.8	SM20 – 2.000 Kg: 8
	SM25 – 2.500 Kg: 6.4

Note:

These figures are based on standard hoists used for static overhead application with full redundant safety measures at every suspension point. For systems without redundant safety measures, we advise to down rate the hoist capacity with 50% in order to comply with the min. safety factor of 8 as to CE machine Directives.

May I use a Stagemaker for loads over people ?

- In accordance to FEM Standards as well as to the SW25 European code of practice, standard chain hoists equipped with a single brake may be used to support static loads over people, provided the load is equal or less than 50% of it's rated capacity.

Note:

In some countries however the addition of a second brake is still compulsory. Alternatively standard hoists may be used provided redundant safety is secured by using safety cables or chains with same nominal capacity.

- If hoists are used for dynamic overhead operations, a second brake is compulsory and also controls should meet specific requirements.

Can I use different hoists to support one load ?

As because of slight speed differences, it is not recommended to use a mix of different brands or hoist types to carry one grid. This may cause a shift in the loading pattern and damage of the grid as a consequence.

What is the impact to the supporting structure in case of an Emergency stop?

In general one has to take a 1.25 factor in to consideration, however depending on speed and direction, this value can exceed 1.5.