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Tönisvorst 21.05.08

Information about unrig-system QUICKDRop:

Our special unrig method QUICKDRop is a patented and utility patented process called „covering element using a knotting technique“.

The functionality:

For the usage of „covering element using a knotting technique“, side covers of your stage are braced in a special knotting method by using textile coated rubber loops. The open end of the last loop of one group is fixed by an adjustment from a distance. As soon as the end of the last loop of the group is released, this loop slides from the truss, the other knotted loops follow in a chain reaction.

This system is based on two elements:

- textile coated and hardly expanding rubber loops
- at least one distance adjustment

The simple gear makes it possible to equip nearly every side cover in nearly every dimension, in an economic way you are able to add QUICKDRop to your already existing set. Furthermore new side covers can be produced quickly by every available cover constructor.

The material and also the configuration of the rubber loops are important for the function and the process, whereas there exist alternatives for the way of adjustment.

For our way of adjustment we have chosen the pneumatics, which combines many advantages:

1. Compressed air can be ready **without the usage of electrical power**, for instance in filled squeezers or in diving tanks.
2. Pneumatic cylinders are extremely robust and unfailing, because they are often constructed for extraordinary accomplishments (harvesting machines, industry, truck gear units).
3. Our air tubes have the same status: They are very solid and almost indestructible. Inadvertent scrunching or bruising by climbing through the stage roof is nearly impossible.

Under pressure, the QUICKDRop cylinder needs 2 bar to release steadily. With 8 bar (what every commercially available compressor achieves), even a little leak in the tube is no problem. Besides, the offered system includes the option to control every single bar, with several or even with independent conductions. These conductions can be sealed from each other with the help of valves.

Alternatives involve several risks:

A manual going rope for adjustment can be released inadvertent, for example when the rigger climbs up the tower for tying down a cable pick. Or such a rope can be tied down with the cable pick. Simple toying without due consideration can lead to release the adjustment in the wrong moment.

Electrical adjustments are also endangered: At first because of water and also because of power blackout.

The more wind and the bigger the side cover, the safer the **QUICKDROP** system works. For the best effect we suggest the usage of an additional bar (plaiting bar) that is fixed on the stage roof bracing with clamps. This bar is plane and slicker than the bracing itself so the loops can separate easier.

For a comfortable usage we also offer the needed brochures for the documentation in the stage certificates. These brochures contain the following indications:

Safety Indications:

To avert that the cover is blown away by storm, it should be safed in the ground before the release of the group is activated. In any case you have to make sure that the action area off he falling cover element is free to avoid accidents.

The lug distance of the side blankets should not be bigger than 25cm, so we can use atmost short loops.

When „knotting“ the blankets tot he trussing it is important to care for clean and neat connections, especially next to the truss pins, to avoid that the loops get caught. For the dependabilty, care for clean and bendless air tubes.

In the moment of release an independent power supply has to be ready, for example squeezers or in diving tanks .

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