

ABSTRACT

The fastenings of the wire ropes for loading containers are subjected to huge stresses, making it necessary to use screwed-in robust grips.

The systems currently installed in these cranes for fixing ropes are fixed, screwed-in grips.

A much more versatile and flexible system is presented that is based on a wedge mechanism which allows automatic and instant actuation (remotely controlled).

The assembly includes the sliding clamps, the actuation of these clamps, necessary additional guides and tightening device for tightening the ropes.

This solution allows:

- Performing the rope changing operation with the jib hoisted, thus allowing the maneuvers of vessels and the operation of contiguous cranes.
- Reducing the rope replacement times.

Using the anchoring element (clamps) + tightening device as a mechanism for tightening the length of the ends. Possible misalignments of the spreader can be corrected instantly.