



# Safe Mark Extender completed

Innovative safety equipment for under deck containeroperations

**Bright Thinking Solutions BVBA**

**Lovendegem**

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**Attachment**

Safe Mark Extender Description.pdf



## Safe Mark Extender®

The Safe Mark Extender® is a tool developed specifically to improve visibility and safety of under-deck load and unload container operations. The entrance of the hold at container vessels is equipped with 'cell guides' that reach down all the way to the bottom. These steel rails hold the container in position as it goes downwards while loading or upwards in case of unloading. The total width of the hold is equipped with these rails. Each position has the measurements of one container width: approx. 2.5 mtr. They are placed at exactly the same position on both sides of the hold (front and rear). Mostly but not always each container position has one high and one lower placed rail (left or right). This improves the speed of the operations because this difference in height is an advantage for the crane operator who has to bring every container or spreader in the exact position first. A well marked entrance of the cell guides (steel combs) is very important for the crane operator. (automated or not)! The speed and efficiency of operations depend on it, due to an improved depth sight at all times. More container moves means more profit and less delay. New container ships have bright painted cell guides to improve visibility towards the crane operator. Within a few weeks or months however this paint is completely gone due to multiple container movements that scrape the paint off, and all of its benefits with it. Container terminals worldwide use chalk to put markings on top of the cell guides. A very effective solution! Depending on the weather conditions, these markings have to be re-applied after several hours. Unfortunately, this is a very dangerous task for those who are pointed for this job. They have to leave the safety area (behind the railing) and crouch or lay down next to the edge of the hold (abyss) than reach out with one hand over the edge to put the marking on top of the cell guide. Then walk towards the next position and do the same thing, until all markings on both sides are applied. **Each step can be fatal..., an unacceptable situation!** Not having these markings means less container moves/hour. Crane operators need, and require maximum visibility. But not without compromises towards safety, obviously!

The missing link here is the Safe Mark Extender®

This telescopic device provides the ability to put chalk markings at distant positions **without leaving the safety area.** (approx. 95cm in the compact position) With an approx. range of 2.5mtr it can almost reach every possible position at the many different types of container vessels. Also at places impossible to reach before.

Two pieces of industrial chalk are pinched and locked together in position while the angle of the socket is adjustable. This way any desired position can be trimmed. This device provides continuity, safety and efficiency without compromises! **A clear view for the crane operator at all times!**

A necessary innovative device for container terminals worldwide.

Images added.

Sincerely,

Jan Rits

MD

Bright Thinking Solutions







































































