

SWEDEN

Timars automatic overheight frames – the newest technology on the market

Timars Svets & Smide AB, a Swedish spreader manufacturer has been designing lift equipment including spreaders and frames for more than 30 years and it is currently “Very busy, with interest in our latest invention - the TIMARS automatic overheight frame (OHA) for handling flats or oversized containers - increasing all the time,” says Peter Stenbeck, Timars’ sales manager.

“We have recently delivered three units of our telescopic 20-45ft automatic overheight frame to the new Terminal du France in the Port of Le Havre. The frames incorporate some new safety features including increased indicator visibility of lower twistlocks status, a Safety Operational Control (SOC) system - which is a self supported PLC-based survey system with solar panels and charge control equipment - a twistlock emergency release (STE) system and a new assembly design that reduces transport costs to a minimum thus keeping the price even more

competitive. In fact, assembly is so simple that (if they wish), stevedoring companies can assemble it by themselves in less than one hour, Stenbeck added.

Timars is constantly asked if the locking system is powered by the twistlocks of the parent spreader which can lead to ‘unstable’ operations for a number of reasons. These include different brands of spreaders with different shapes and dimensions, rotation direction of the twistlocks, occasional lack of torque movement in the twistlocks of the parent spreader and whether the overheight frame is able to overcome hydraulic pressure problems due to operating in cold climates.

“The Timars overheight frame has none of these problems,” explained Stenbeck. “The advantage of our system compared to others is that it has a mechanical lower twistlock locking system that is powered by the gravity of its own unique design and is therefore independent of the parent



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twistlocks for locking and unlocking. Furthermore, through the extensive use of bearings, our new telescopic design has improved extension and retraction as it runs with minimal friction.

In order to comply with the wished of our clients, the SWL has been increased to 50T and a double functioned twistlock safety design has also been added,” concluded Stenbeck. ■