

# MODEL 589TB

FOR EMPTY CONTAINER HANDLING  
WITH LIFT TRUCKS



## Standard supply includes:

- ◆ Integrated mounting to fit the truck
- ◆ Mechanical pile slope (MPS), floating function in the end-posts
- ◆ Two vertical ISO twistlocks
- ◆ Floating head and end posts
- ◆ Hydraulically adjustable heads
- ◆ Hydraulic telescoping
- ◆ Hydraulic sideshift
- ◆ Solenoid valves for all hydraulic functions
- ◆ Electrical and mechanical twistlock protection system
- ◆ Electric twistlock indication
- ◆ Electric telescoping protection system
- ◆ Lift interrupt signal
- ◆ LED indication lights
- ◆ LED work lights

**The ELME Spreader Model 589TB is a telescopic side lift spreader with vertical twistlocks for the handling of one single empty ISO and Binnencontainer with a width up to 8'6".**

The spreader is designed to be integrated on the carriage of a forklift truck. 589TB has a low single main frame profile which enhances visibility when high stacking. For easy and fast handling of containers the heads on the end-posts have a side-ways floating function. Mechanical pile slope (MPS) in 589TB are vertical floating end-posts, including the bottom support. Floating end-posts simplifies picking up containers in a slanted angle.

589TB heads are hydraulically adjustable to handle ISO and Binnencontainers corner boxes positioned at c/c 2258 mm with container widths up to 8'6".

## TWISTLOCK SYSTEM

The twistlock system is manufactured in a rugged design and is well-proven since many years. 589TB has hardened ISO quick exchange pendular twistlocks. Hydraulically activated and mechanical interlocking against faulty locking and unlocking.

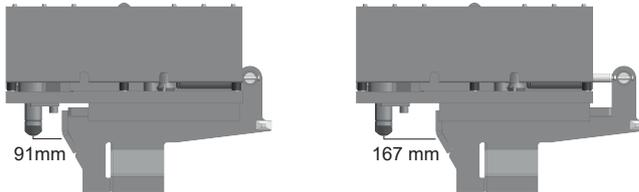
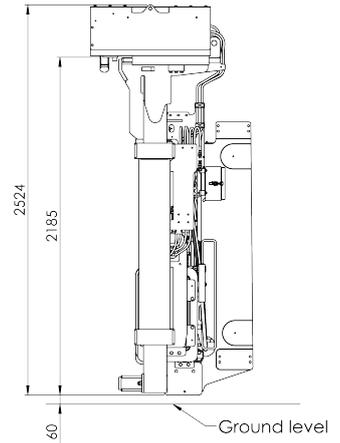
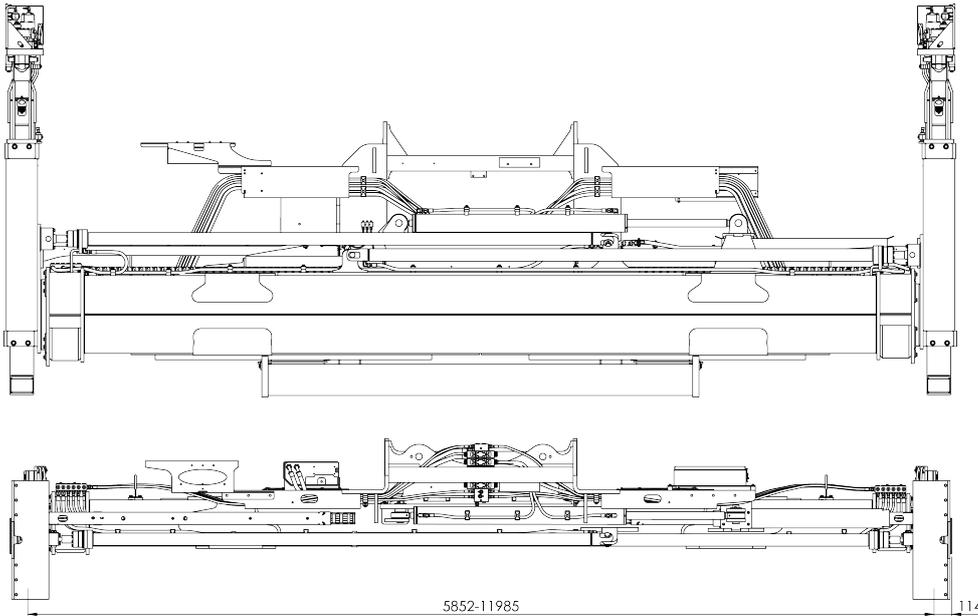
The vertical twistlock principle offers the following features:

- ◆ Two twistlocks enter the top corner castings and lock the spreader onto the container.
- ◆ 589TB is shorter than the container it is handling which means that all containers can be fully block stacked and still remain accessible.

## CONTROL AND PROTECTION SYSTEM

Electrical systems monitor the state of the spreader at all times. Indicator lights advise the operator when the spreader is correctly seated, locked or not locked. Each signal is a precondition for the important protection functions of the spreader. Such as twistlock activation, telescoping and lift interrupt.

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## Hydraulically adjustable head and manually adjustable bottom support.

The head is hydraulically adjustable to match different container widths such as ISO and Binnencontainers up to 8'6" wide.

## TECHNICAL SPECIFICATIONS

Type of lifting system	Two vertical ISO twistlocks
Type of stacking	Normal and block stacking
Spreader weight (TW)	3 700 kgs
Carriage weight (TW)	1 110 kgs
Lifting capacity (SWL)	9 tonnes
Telescopic positions	20 and 40ft
Telescoping speed, 20-40ft	< 14 sec.*
Telescoping speed, 40-20ft	< 17 sec.*
Sideshift	± 300 optional ± 600 mm
Mechanical pileslope (MPS)	At 20ft position: 200 mm At 40ft position: 200 mm
Hydraulics, operating pressure up to	140 bar
Hydraulics, flow	40-60 L/min
Electric - control voltage	24 VDC
Colour	Black grey RAL 7021
Paint thickness	150 µ

\* Calculated speed at 20° C



Surface-mounted hose and cable routing.



589TB head.

All specifications are subject to change without notice. A list of options enables you to adapt the product more precisely to your needs and further information is available on request.

## HEAD QUARTER AND PRODUCTION

### ELME Spreader AB

Phone +46 476 558 00  
Email sales@elme.com  
Website www.elme.com

## SALES AND SPARE PARTS

### ELME Spreader Trading (Shanghai) Co., Ltd

Phone +86 21 5169 8922  
Email sales.cn@elme.com

## SPARE PARTS

### ELME Americas Inc.

Phone +1 731 588 02 20  
Email sales.us@elme.com

For details, spare parts and more products, visit [www.elme.com](http://www.elme.com).

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