

MODEL 582LS

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
- Powered pile slope (PPS)
- Four hydraulic horizontal ISO twistlocks
- 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 582LS is a telescopic side lift spreader for the handling of two empty ISO containers simultaneously. The containers are engaged by four horizontal twistlocks that are inserted into the side apertures of the container's top and lower corner castings.

The spreader is designed to be integrated on the carriage in the mast of a forklift truck. Handle one or two ISO containers and one Binnencontainer with corner castings in 20ft and 40ft. Special for 582LS is that the spreader can double handle 45ft containers with corner castings in 40ft position. The spreader has a low single profile type main frame which enhances visibility when high stacking.

Mechanical pile slope (MPS) in 582LS are vertical floating end-posts, including the bottom support. Floating end-posts simplifies picking up containers in a slanted angle.

TWISTLOCK SYSTEM

The twistlock system is manufactured in a rugged design and is well-proven since many years. 582LS has hardened ISO quick exchange pendular twistlocks. Hydraulically activated and mechanical interlocking against faulty locking and unlocking.

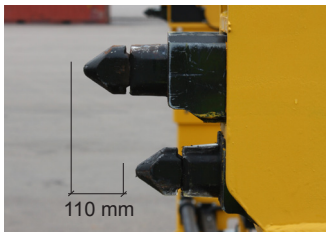
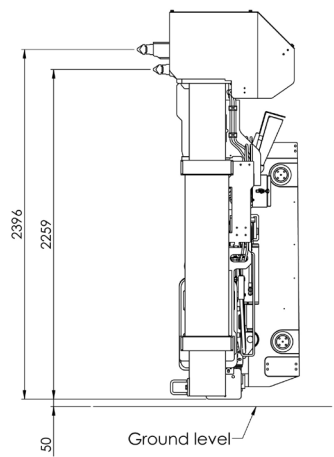
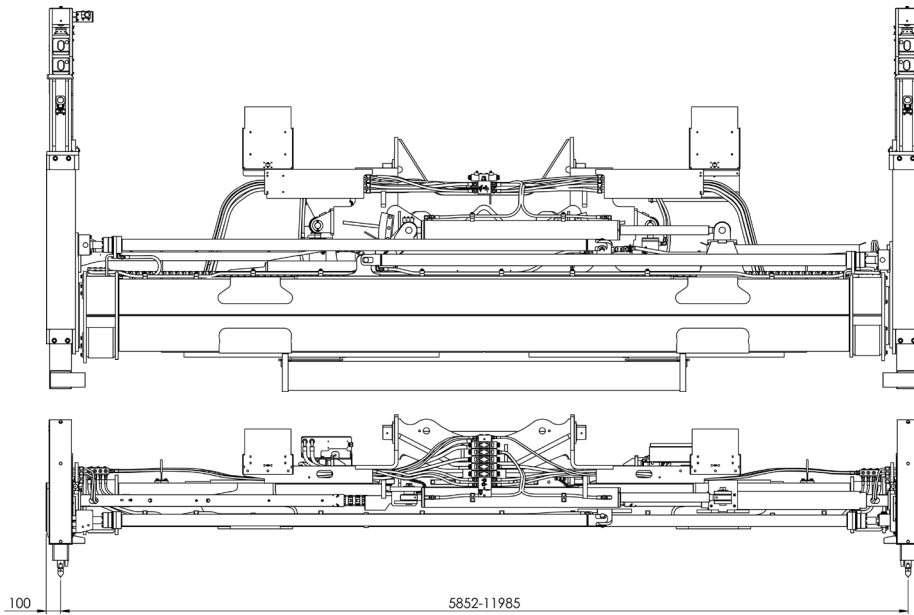
An ELME patent covers the innovative horizontal twistlock principle which offers the following features:

- Four purposely designed twistlocks enter the side apertures of the containers top and bottom corner castings, locking the spreader onto the containers positively and safely.
- Upper twistlocks are extendable/retractable to ensure pick up from a misaligned container stack.
- 582LS is shorter than the container it is handling which means that all containers can be fully blockstacked 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.

MODEL 582LS



Unlocked twistlocks. Upper twistlocks 110 mm in front of lower twistlocks.



Locked twistlocks. Upper twistlocks retracts automatically 110 mm.



582LS.

TECHNICAL SPECIFICATIONS

Type of lifting system	Four horizontal twistlocks
Type of stacking	Normal and block stacking
Spreader weight (TW)	4 000 kgs
Carriage weight (TW)	1 900 kgs
Lifting capacity (SWL)	10 tonnes
Telescopic positions	20 and 40ft
Telescoping speed, 20-40ft	< 14 sec.*
Telescoping speed, 40-20ft	< 17 sec.*
Sideshift	± 300 optional ± 600 mm
Mechanical pile slope (MPS)	at 20ft position: 200mm / at 40ft position: 200mm
Powered pile slope (PPS)	± 6°
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

All specifications are subject to change with-out notice. A list of options enables you to adapt the product more precisely to your needs and further information is available on request.



Surface-mounted hose and cable routing.



LED-work light.

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.

ELMETM
Swedish Spreader Systems