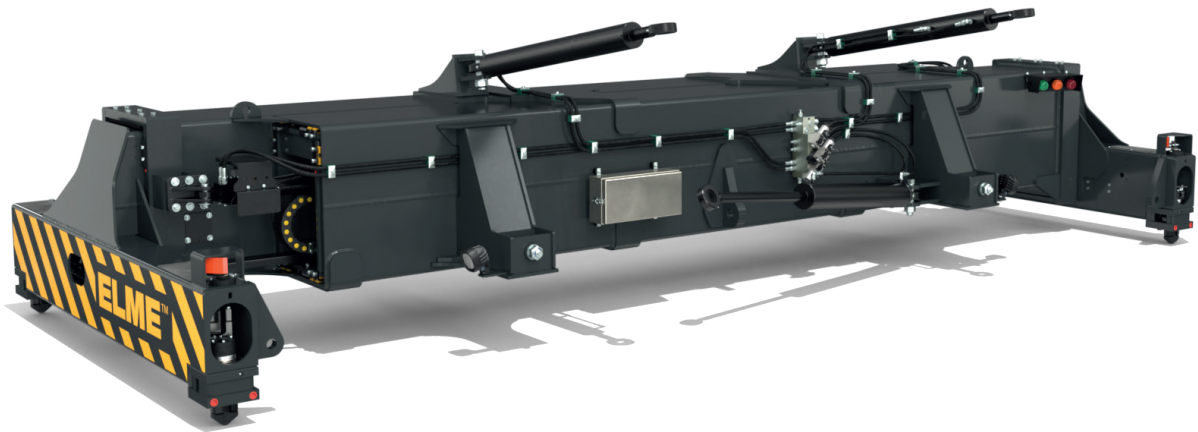


MODEL 818

**GANTRY MOUNTED TOP LIFT SPREADER
FOR LADEN CONTAINER HANDLING**



Standard supply includes:

- ♦ Mounting arrangement to fit the gantry
- ♦ Mechanical pile slope (MPS)
- ♦ Four vertical pendular ISO twistlocks
- ♦ Lifting eyes near twistlocks
- ♦ Hydraulic telescoping
- ♦ Hydraulic slew and reach
- ♦ Solenoid valves for all hydraulic functions
- ♦ Electrical and mechanical twistlock protection and indication system
- ♦ Electric telescoping protection system
- ♦ Lift interrupt signal
- ♦ LED-indication lights
- ♦ LED-work lights

ELME Spreader Model 818 is a telescopic top lift spreader for handling of laden ISO containers weighing up to 45 tonnes. 818 is designed for use under a gantry at the front of a lift truck.

The strong and basic concept offers distinct advantages, such as two parallel telescopic beams, assuring max overlap. Beam sections dimensioned to absorb not only the vertical, but also the very considerable horizontal forces.

TWISTLOCK SYSTEM

The twistlock system is manufactured in a rugged design and is well-proven since many years. 818 has hardened ISO quick exchange pendular twistlocks. Hydraulically activated and mechanical interlocking against faulty locking and unlocking.

GANTRY MOUNTING WITH MECHANICAL PILE SLOPE

Gantry mounting is used for lift trucks, dedicated to container handling only. The system increases the residual capacity of the truck when compared to fork mounting, and is the more economical solution. Four telescopic hangers connect the spreader to the gantry. Gravity assures the level position of the spreader, with or without load.

However, the hangers will allow the spreader to automatically adapt to containers on trailers or on uneven ground.

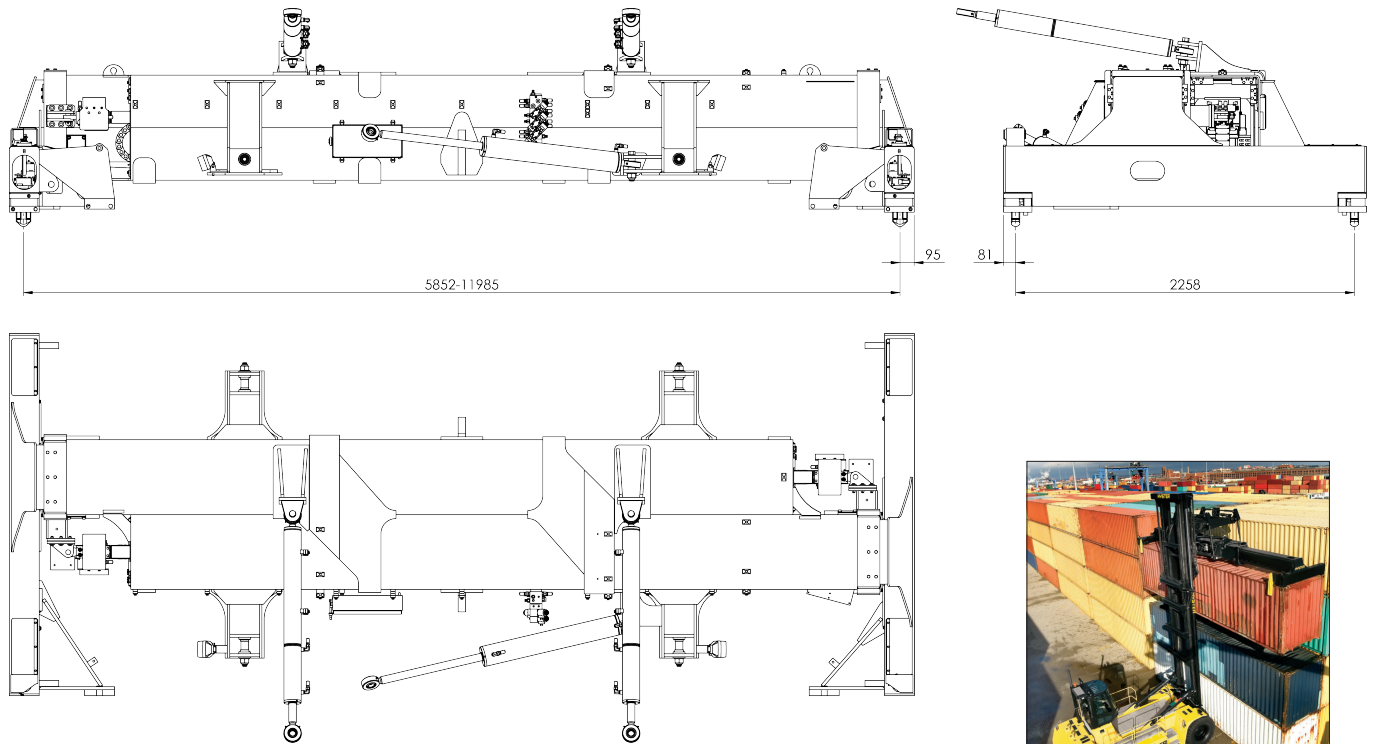
TELESCOPING, SLEW, REACH AND SIDESHIFT SYSTEM

Telescoping is powered by one hydraulic cylinder inside each beam. The slew and reach motions are possible thanks to two hydraulic cylinders that connect the spreader to the gantry. By powering either one or both cylinders, the slew and reach functions are activated. A third cylinder between spreader and gantry provides the sideshift motion.

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 818

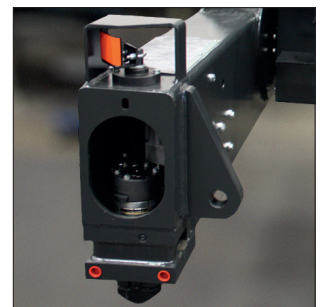


818.

TECHNICAL SPECIFICATIONS

Type of application	Gantry mounted
Type of lifting system	Four vertical twistlocks
Spreader weight (TW)	7 000 kgs without extra equipment
Lifting capacity (SWL), spreader	45 tonnes \pm 10 % eccentric load
Lifting capacity (SWL), lifting eyes	4 x 11,25 tonnes
Twistlock	ISO pendular 90 mm
Telescopic positions	20 and 40ft
Telescoping speed, 20-40ft	< 20 sec.*
Telescoping speed, 40-20ft	< 25 sec.*
Slew	\pm 6°
Reach	0-230 mm
Sideshift, +/- 400 mm	7 sec.*
Mechanical pile slope (MPS)	\pm 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



Twistlock and lifting eye.



Gantry and hangers.

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 8992
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.

ELME™
Swedish Spreader Systems