

MODEL 817 WTP

TOP LIFT SPREADER FOR LADEN CONTAINER
HANDLING WITH REACH STACKERS



Standard supply includes:

- ♦ Mounting arrangement to fit the boom head
- ♦ Mechanical pile slope (MPS)
- ♦ Four vertical pendular ISO twistlocks
- ♦ Lifting eyes near twistlocks
- ♦ Hydraulic telescoping
- ♦ Hydraulic sideshift
- ♦ Hydraulic rotation
- ♦ 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
- ♦ WTP

ELME Spreader Model 817 WTP is a telescopic top lift spreader for handling of laden ISO, WTP and US-domestic containers weighing up to 45 tonnes. 817 WTP is designed for mounting on reach stackers.

The strong and basic concept offers distinct advantages, such as two parallel telescopic beams, assuring max overlap. The beam sections are 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. 817 WTP has hardened ISO quick exchange pendular twistlocks, hydraulically activated and mechanical interlocking against faulty locking and unlocking.

TELESCOPING, SIDESHIFT AND ROTATION SYSTEM

Telescoping is powered by one hydraulic cylinder inside each beam. Sideshift is executed by two hydraulic cylinders on the outside of the

mainframe. Rotation is done by a slewing ring with double transmissions for turning and brakes for holding.

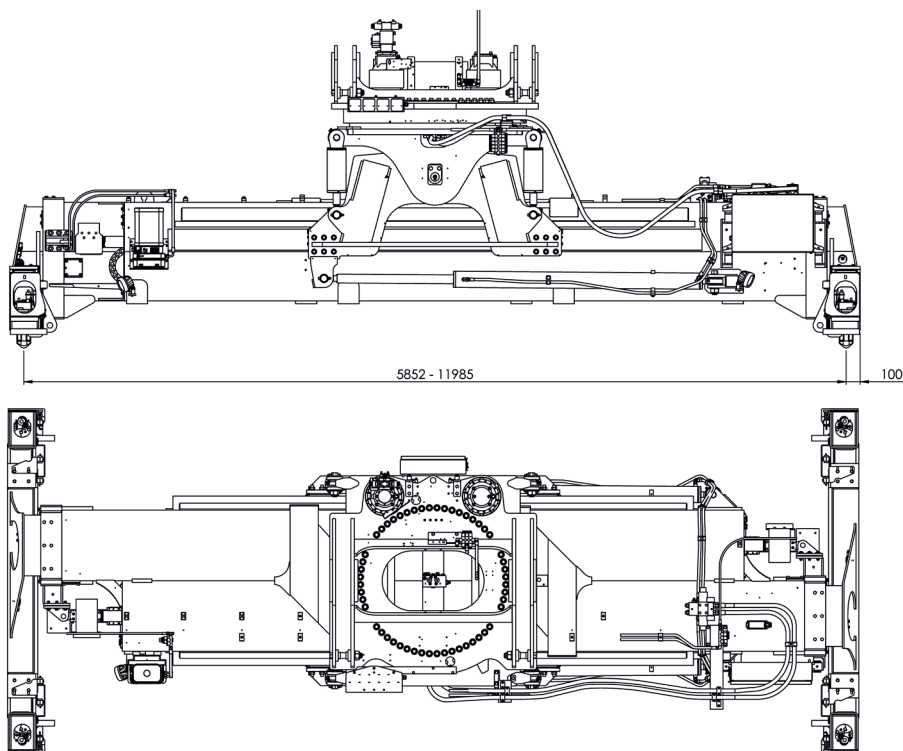
WTP-SYSTEM

The WTP option built into the spreader endbeams allows the operator to hydraulically change the twistlock positions to handle ISO and US-domestic containers as well as WTP containers.

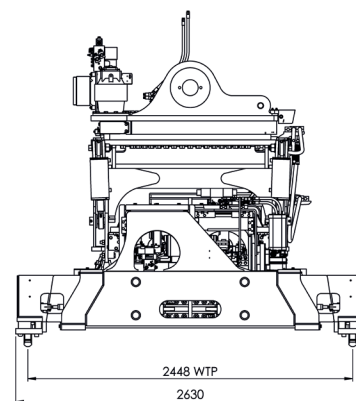
CONTROL AND PROTECTION SYSTEM

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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(PPS option shown. Not included in standard scope)

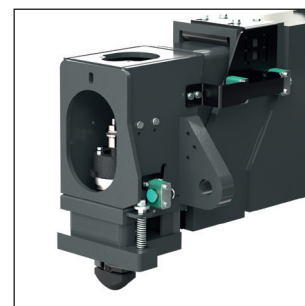


TECHNICAL SPECIFICATIONS

Type of lifting system	Four vertical twistlocks
Spreader weight MPS (TW)	9 500 kg without extra equipment
Spreader weight PPS (TW)	10 600 kg 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 20 mm
WTP-option	< 5 sec.* ISO pos. 2 258 mm WTP pos. 2 448 mm
Telescopic positions	20 and 40ft
Telescoping speed, 20-40ft	< 20 sec.*
Telescopic speed, 40-20ft	< 25 sec.*
Rotation, 105° CW/195° CCW	< 42 sec. between endpoints*
Sideshift, \pm 800 mm	< 26 sec.*
Mechanical pile slope (MPS)	\pm 2°
Hydraulics, operating pressure up to	140 bar
Hydraulics, flow	40-60 L/min
Electric - control voltage	24 VDC
Colour	Black grey RAL 7021

* Calculated speed at 20° C

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.



Twistlock and lifting eye.



Rotator.

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