



MODEL 817 INNOVATION^[E]

TOP LIFT SPREADER FOR LADEN CONTAINER
HANDLING WITH REACH STACKERS



Standard supply includes:

- ♦ Mounting arrangement to fit the boom head
- ♦ Mechanical pile slope (MPS)
- ♦ Powered pile slope (PPS) available as an option
- ♦ 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

ELME Spreader Model 817 INNOVATION is the New Generation telescopic top lift spreader for handling of laden ISO containers weighing up to 45 tonnes. 817 INNOVATION is designed for mounting on reach stackers.

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

INNOVATIVE DESIGN

INNOVATION's new and improved design implies a New Generation 817 INN. spreader with the unique combination of increased structural strength and 16% reduced weight.

The New Generation 817 INNOVATION Spreader is estimated to have an increased life expectancy of 30 % related to fatigue resistance and standard load case conditions.

The reduced spreader weight enables improvements on the reach stacker design and makes it possible to increase the lifting capacity in second and third container row. The New Generation design also implies numerous improvements to promote easier service.

TWISTLOCK SYSTEM

The since previous generations well-proven Twistlock system, manufactured in a rugged design, carries all its benefits into the New

Generation of spreaders. 817 INNOVATION has hardened ISO quick exchange pendular twistlocks that are hydraulically activated with mechanical interlocking against faulty locking and unlocking.

TELESCOPING, SIDESHIFT AND ROTATION SYSTEM

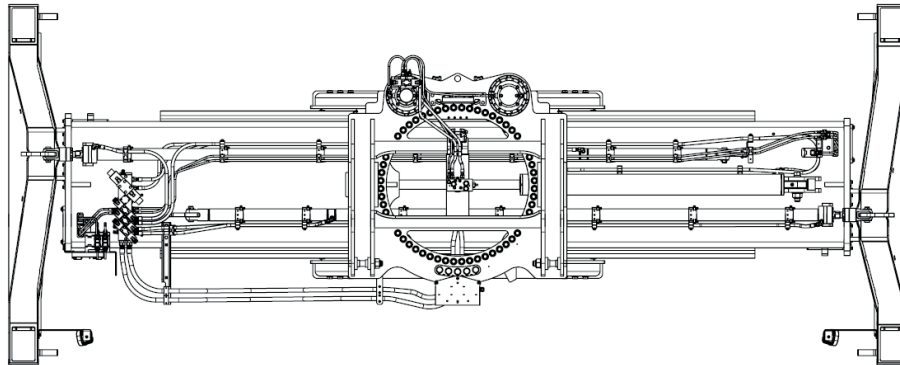
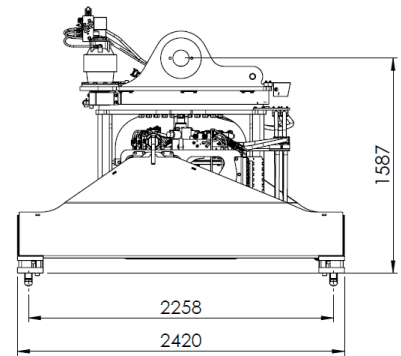
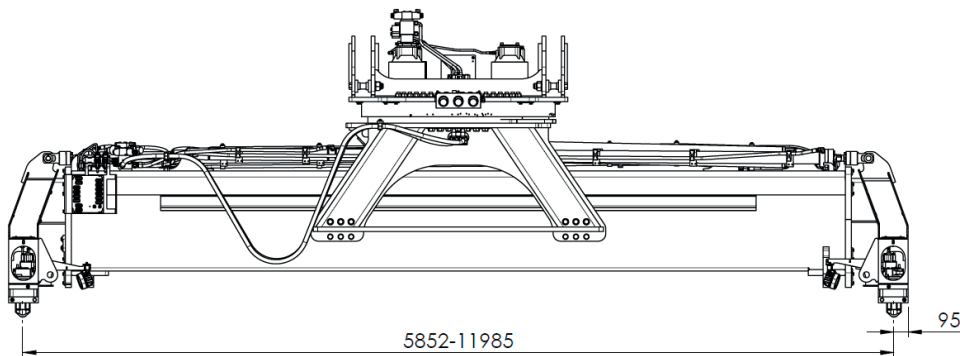
Telescoping is powered by one hydraulic cylinder for each end beam and sideshift is executed by one hydraulic cylinder. The cylinders are positioned on top of the main frame. Rotation is done by a slewing ring with double transmissions for turning and brakes for holding.

CONTROL AND PROTECTION SYSTEM

The ELME Neuron CAN bus system, designed for maximum robustness, monitors 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 lift interrupt.

Neuron uses J1939 protocol which provides fault code messaging to alert driver and maintenance personnel of possible component failures.

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Twistlock and lifting eye.

TECHNICAL SPECIFICATIONS

Type of lifting system	Four vertical twistlocks
Spreader weight (TW)	7 700 kgs without extra equipment
Lifting capacity (SWL), spreader	45 tonnes \pm 10 % eccentric load
Lifting capacity (SWL), lifting eyes	4 x 11,25 tonnes
Telescopic positions	20 and 40ft
Telescoping speed, 20-40ft	< 16 sec.
Telescopic speed, 40-20ft	< 18 sec.
Rotation, 105° CCW/195° CW	< 42 sec. between endpoints
Sideshift, \pm 800	< 20 sec.
Mechanical pile slope (MPS)	\pm 2°
Hydraulics, pressure	140 bar
Hydraulics, flow	60 L/min
Electric - control voltage	24 VDC
Communication	CAN 2.0B
Colour	Black grey RAL 7021

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.



Improved design with work light positioned on the end beam.



817 INNOVATION rotator.

HEAD QUARTER AND PRODUCTION

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