

# ENERGY SAVING SPREADER PRODUCTS



Our lightweight energy saving spreaders share components from our RTG/RMG and STS spreader products. This unique spreader is primarily intended for applications where weight is of greater significance than hoist speeds and top lifting capacity. They are designed to handle containers of 20 to 45 feet with ISO twistlocks. The TEESH+ is the only existing expandable twin under 10 tonnes tare weight.

- Single Energy Saver Hydraulic (SESH & SESH+)
- Twin Energy Saver Hydraulic (TESH & TESH+)
- Twin Expandable Energy Saver Hydraulic + (TEESH+)

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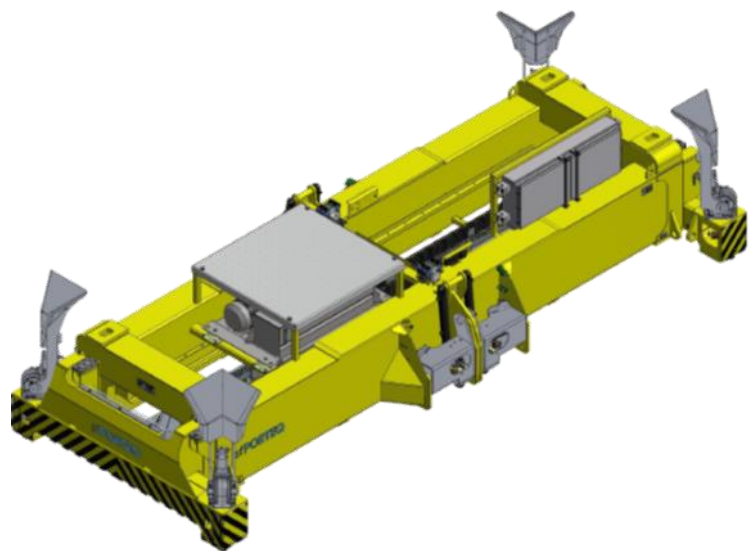
We combine over 150 years of experience in container handling, with the newest innovations, high quality products and a committed approach to sustainable solutions.

**Designed in Sweden. Manufactured in Europe.**  
**Trusted worldwide.**

**sfPORTEQ**

## Twin Energy Saver Hydraulic TESH & TESH+

- The lightweight energy saver spreaders from sfPORTEQ combine the best of both worlds, by sharing components from both the yard family and the ship to shore family.
- This unique spreader is mainly lifting capacity.
- It is designed to handle containers sized from 20 to 45 as well as 2 x 20 feet with ISO twistlocks.
- The TESH and TESH+ have inherited the components from the ship to shore spreaders and the base from the yard spreaders, still with focus on simplicity and maintenance friendly solutions.



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# Twin Energy Saver Hydraulic TESH & TESH+

## Key Features

- High lifting capacity
- Low tare weight
- Low power consumption for a hydraulic unit
- Open access to service points
- Vulnerable parts protected by the structure
- Twistlock system without mechanical or sensor adjustment requirements

Specifications	TESH	TESH+
Lifting capacity in accordance with EN 13001 evenly loaded	45 T	45 T
< 10% eccentric	45 T	45 T
Twin	2 x 25 T	2 x 25 T
Tare weight	7.9 T	8.6 T
Twistlock rotation time	< 1 s	< 1 s
Telescopic time 20 to 40 ft	22 s	22 S
Telescopic time 20 to 45 ft	N/A	27 S
Flipper time for 180 deg	4 – 6 s	4 – 6 s
Flipper torque	5500 Nm	5500 Nm
Power consumption	< 7.5 kW	< 7.5 kW
Main voltage	Default 400 VAC or per request	Default 400 VAC or per request
Main voltage frequency	50 Hz or per request	50 Hz or per request
Internal	Default 24 VDC	Default 24 VDC
Crane interface	Per request	Per request

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