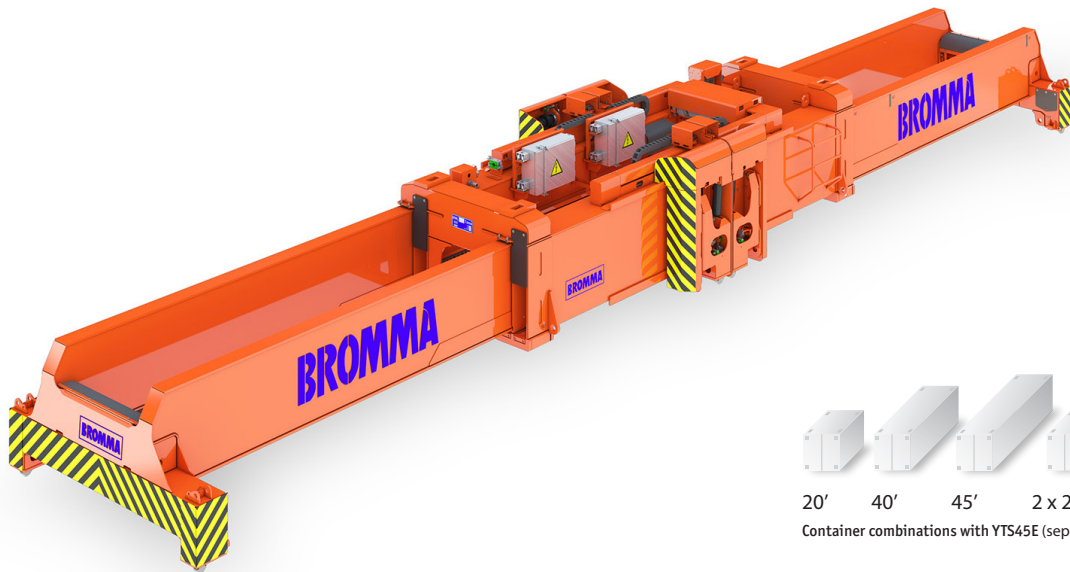


# YTS45E ALL ELECTRIC SEPARATING TWINLIFT YARD CRANE SPREADER



20' 40' 45' 2 x 20'  
Container combinations with YTS45E (separating twinlift)

- » TWO 20' CONTAINERS can be moved apart from 0 to 1.6 metres (0'-5') under full load.
- » RECESSED END BEAMS

- » ENVIRONMENTAL FRIENDLY due to its all-electric design.
- » ADVANCED SCS-MODULAR communications system reduces downtime considerably.

- » FAST TROUBLE SHOOTING
- » DESIGNED IN accordance with EN13001.

With the Bromma all electric adjustable twinlift Spreader YTS45E a larger percentage of above-deck containers can be transported in twinlift mode. The twinlift spreader can move two 20 foot containers from a spacing of 0 to 1.6 metres (0 to 5 foot) under full load while suspended under the twistlocks.

Two containers can be moved synchronised towards one another and apart from one another. The movements can be done at anytime in the crane cycle and are mechanically controlled to be symmetrical. There is no stopping time to change the container spacing.

The telescopic spreader YTS45E is of rectangular frame construction enabling easy location on containers. The spreader is as standard equipped with 4 x10 metric tons lifting lugs in the corners of the end beams for heavy lifts and for handling damaged containers.

All motions of the spreader are controlled from the driver's cab and there are provisions made for signals in the cab indicating the position of the twistlocks and landing pin status.

All movements of the YTS45E are electrically driven. This means that the spreader is silent and consumes energy only when moving.

Made of high quality steel, the standard YTS45E spreader provides high lifting capacity with a low nominal tare weight thanks to the box design of the telescoping beams and the main frame. The spreader is designed in accordance with EN13001. All components can be easily assembled, adjusted, removed and are accessible for inspection and maintenance.

The spreader comes with the SCS-Modular Control System, reducing and preventing downtime through improvements in the area of electrical connections. It will also shorten downtime through faster spreader fault diagnostics.

## Technical Data YTS45E

<ul style="list-style-type: none"> <li>» <b>LIFTING CAPACITY</b> (According to EN13001) One container 51 metric tons, ±10% eccentric load Twinlift of two 20' containers 2 x 32.5 metric tons evenly loaded</li> </ul>	<ul style="list-style-type: none"> <li>» <b>SEPARATING CAPACITY</b> 0-1600 mm with full load</li> </ul>	<ul style="list-style-type: none"> <li>» <b>TWIN EXPAND/RETRACT</b> Approx. 18 sec.</li> </ul>	<ul style="list-style-type: none"> <li>» <b>INSTALLED POWER</b> Telescopic system 2x2.2kW Twin separating 1.5kW Twistlock system 2x0.37kW + 4x0.12kW Twin hoist 4x0.12kW</li> </ul>
<ul style="list-style-type: none"> <li>» <b>LIFTING LUGS</b> 4 x 10 metric tons in the main frame and end beams</li> </ul>	<ul style="list-style-type: none"> <li>» <b>TELESCOPIC MOTION</b> 20' to 45' in approx. 30 sec.</li> </ul>	<ul style="list-style-type: none"> <li>» <b>POWER SUPPLY</b> 400/230VAC 50 Hz or otherwise as agreed</li> </ul>	<ul style="list-style-type: none"> <li>» <b>ELECTRICAL CABINET</b> Stainless steel IP66</li> </ul>
<ul style="list-style-type: none"> <li>» <b>WEIGHT</b> About 10.9 metric tons (without extra equipment)</li> </ul>	<ul style="list-style-type: none"> <li>» <b>GUIDE ARMS</b> Fixed (Flippers are available as option)</li> </ul>	<ul style="list-style-type: none"> <li>» <b>MAX POWER CONSUMPTION</b> 0-7.5 kW</li> </ul>	<ul style="list-style-type: none"> <li>» <b>SURFACE CONDITIONING</b> Sand-blasted SA 2.5 50-90um 2-component zinc epoxy 100um 2-component MIO pigmented 70um Polyurethane</li> </ul>
	<ul style="list-style-type: none"> <li>» <b>TWISTLOCK ROTATION</b> 90° in approx. 1 sec.</li> </ul>	<ul style="list-style-type: none"> <li>» <b>CONTROL SYSTEM</b> SCS-Modular</li> </ul>	
	<ul style="list-style-type: none"> <li>» <b>TWINLIFT UNIT UP/DOWN</b> Approx. 6 sec.</li> </ul>	<ul style="list-style-type: none"> <li>» <b>CONTROL VOLTAGE</b> 24 VDC</li> </ul>	