



Yard crane spreaders



Yard operations as efficient as your ship-to-shore operation

Bromma all-electric and hydraulic spreader solutions are well-known for their high performance/low maintenance characteristics.

Lifting The Efficiency Of Yard Operations

Productivity gains in ship-to-shore operations can be lost if yard operations are less than fully efficient. As the industry leader in crane spreaders, Bromma understands the need to maximize performance in both segments of container handling. The Bromma yard family of all-electric and hydraulic spreader solutions are well-known for their high performance/low maintenance characteristics. Bromma yard spreaders perform reliably, day after day, year after year, in some of the most demanding

terminals in the world. It's this Bromma quality difference that has made Bromma the industry's first name in yard crane spreaders.

Maximizing Terminal Profitability
Bromma understands the relationship between spreader downtime and terminal profitability. For a terminal that can achieve a boost in productivity from a slightly more reliable spreader, the financial impact can be dramatic. Higher-performance Bromma yard spreaders let terminals turn ships faster. Bromma twin-lift spreaders,

including the YTS45 separating twin-lift and the YTR40 regular twin-lift, are ideal tools for terminals handling high quantities of 20' containers. The YTS45 separating twin-lift spreader, in particular, offers enormous operating flexibility. This spreader features simplified yard spreader end beams, as well as an optional Bromma Twin-Twenty Detection System (TTDS). Failsafe logic and interlocks also ensure safety. The extremely reliable Bromma all-electric yard crane spreaders are ideal for terminals with a high proportion of 40' and 45' containers.

Eliminating Service Points

Bromma yard spreaders are faster and less expensive to service, since the YSX40E, YSX45E, YTR40E, YTR45E and YTS45E all-electric units have no oil, and no oil filter to change, so that service points are eliminated, service intervals lengthened, and service duration shortened. The reduced service requirements of Bromma all-electric yard spreaders makes them ideal for automated container handling environments. Further, by lengthening service intervals and eliminating service points, Bromma yard spreaders have an estimated 15% lower lifecycle service costs.

Easier, Faster Diagnostics With SCS-Modular Control System

Bromma yard spreaders offer a spreader control and communications system that is unmatched in this industry for versatility and performance. Bromma SCS-Modular is a control system, which offers a range of different features stretching from basic spreader control to a full-fledged system including diagnostics, connectivity and an on-board information display. By delivering specific fault information [monitoring and recording each individual sensor and switch, instead of monitoring a fault group], the Spreader Information Display provides technicians with very specific intelligence. Bromma prognostics also identify potential spreader faults – anomalies in spreader performance – before the spreader breaks down, thereby preventing downtime events.





Yard crane

Built to run longer.

Every Bromma Yard Crane Spreader:

- **Is made of high quality steel and designed in accordance with EN13001.** All components can be easily assembled, adjusted, removed and are accessible for inspection and maintenance.
- **Gives you a high lifting capacity with a low nominal tare weight** thanks to the box design of the telescoping arms and the main frame.
- **Motions 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.
- **Has control valves for twistlocks and the guide arms are mounted on the end beams**, in order to simplify maintenance and to minimize the number of hydraulic hoses in the cable chain system.
- **Is designed so all components can be easily assembled**, adjusted, removed and are accessible for inspection and maintenance. Saving you time and money.

Bromma Services: Solutions For Real-World Container Handling

Bromma yard crane spreaders are backed by the spreader industry's strongest service organization. At Bromma our mission is not only to provide the yard equipment terminals need, but the service and support you need. Bromma Services solutions include everything from quick availability to spare parts to a full spectrum of preventive and corrective maintenance services. Bromma information services include knowledge products derived from our advanced, pioneering SCS-Modular technology.

The Bromma mission begins with listening to our customers. Exceptional service and support is something our customers expect, and it is something we are committed to deliver.

Yard Spreaders Engineered To Be Feature-Rich

Bromma yard spreaders are feature-rich. The yard family includes a side shift capability on both hydraulic and all-electric models. YSX40E and YSX45E single-lift spreaders are available with electric flippers. The twistlock head shape improves the ability to handle non aligned 20' containers. The all-electric twistlock drive design is both simple and reliable, with an electric motor that drives the twistlock movement via a gearbox and rods connected to each twistlock pin. The twin boxes on the YTR40/45 and the YTS45 have increased float for better handling of non-aligned 20' containers. Electrical cabinets are mounted with specially designed shock absorbers, identical to Bromma ship to shore spreaders.

Yard spreaders can be delivered with automatic electric flipper arms specially designed for yard crane operation. The flippers can be mounted as side flippers and combined with fixed guide arms. The electric flipper gearbox is equipped with a safety function which makes the flipper retract at a force of 3000 Nm or more. Yard spreaders provided with hydraulic powerpack can also be equipped with automatic flipper arms specially designed for yard crane operation. The flippers can be mounted as side flippers and combined with fixed guide arms. The flipper motor is equipped with chock relief valves which makes the flipper arm retract if the oil pressure exceeds 140 bar.

Engineering excellence means careful attention to the little things in spreader design. The continuous improvement engineering philosophy of Bromma has led to yard spreaders that are engineered for higher performance.

Run Tougher

The world of container handling is a tough one. Only the toughest equipment survives. Bromma durability results from state-of-the-art spreader factory in Asia, where all major components are jig-built for a high degree of accuracy. At Bromma quality stability is one goal among many in our commitment to world-class manufacturing.

A Greater Return On Investment

In the end, what sets Bromma apart from competitors is a major difference in lifetime value. A spreader fleet made up of marginally less reliable spreaders is a more expensive spreader fleet. Less reliable spreaders require more service maintenance time and expense. They lead to more capital being tied up in spreader fleet spares – capital that could be re-allocated to terminal growth producing initiatives. Less reliable spreaders lead to slower ship turns, and less efficient berth allocation, thus compromising the competitive position of your terminal, and putting a ceiling on terminal revenue.

Spreader value is best calculated by looking at the performance and operating costs of a spreader over a lifetime – lifetime energy costs, lifetime service and maintenance costs, and most importantly, spreader reliability and productivity. The Bromma yard family of crane spreaders delivers a higher return on investment.

The Leading Global Partner In Spreaders

Selecting a spreader is also a matter of selecting a company. Bromma spreaders are backed by the strongest company in spreaders. Bromma means strength: financial strength, staying power, and safety. Bromma means knowledge: spreaders are our only business, and on a global basis we have the industry's most experienced spreader organization. Bromma means consistency: we have always stood behind our products across their lifecycle, and we never walk away from a problem. Bromma means resources: a global team with production capacity of over 2,000 spreaders a year, and our continuing investment in R&D is the industry's highest. Finally, Bromma means global: we are the spreader business partner best-equipped to meet the needs of other global organizations.



The Bromma yard product family offers the industry's most reliable all-electric and high-performance hydraulic solutions, backed by the industry's premier company in spreaders.

All-electric Product Family

All-electric spreaders from Bromma are one important step toward safe and sustainable port operating environments. They reduce consumables, lessen CO₂ emissions through lower crane power consumption, protect water through the elimination of oil leaks, enhance worker safety, and lower spreader noise. Just as important, they produce spreader lifecycle cost savings that serve to economically justify sustainable investments that enhance a container terminal's competitive position.

All-electric spreaders from Bromma are strong and light, actually substantially lighter than the spreaders they replace. This significantly reduces annual crane power consumption costs as well. Bromma has a history of environmental awareness, and Bromma R&D has for many years made engineering choices, in part, based on environmental concerns. Bromma is committed to environmental leadership in spreaders.



All-Electric

YSX40E/YSX45E

Yard Crane Spreader

- 90 % reduction of power consumption
- High reliability
- Recessed end beams
- Silent & environmentally friendly
- Durable and strong
- Easy to maintain
- Designed in accordance with EN13001



Bromma telescopic spreaders, YSX40E and YSX45E for yard cranes, are spreaders calculated for two million cycles. The spreaders are as standard equipped with 4 x 10 metric tons lifting lugs in the corners of the end beams for heavy lifts and for handling damaged containers.

The spreaders consist of a rectangular frame construction

enabling easy location on containers. The spreaders can adjust their length to lift 20', 40' and *45' containers using ISO floating twistlocks.

These all-electric spreaders reduce power consumption to approximately 1/10 of a comparable hydraulic spreader. The electrical motors only consume electricity when an operation is performed. The electrical

equipment and the cable chain system are well protected in the main frame.

YSX40E and YSX45E are silent and price worthy alternative for most applications, particularly in environmentally sensitive terminals.

Technical Data

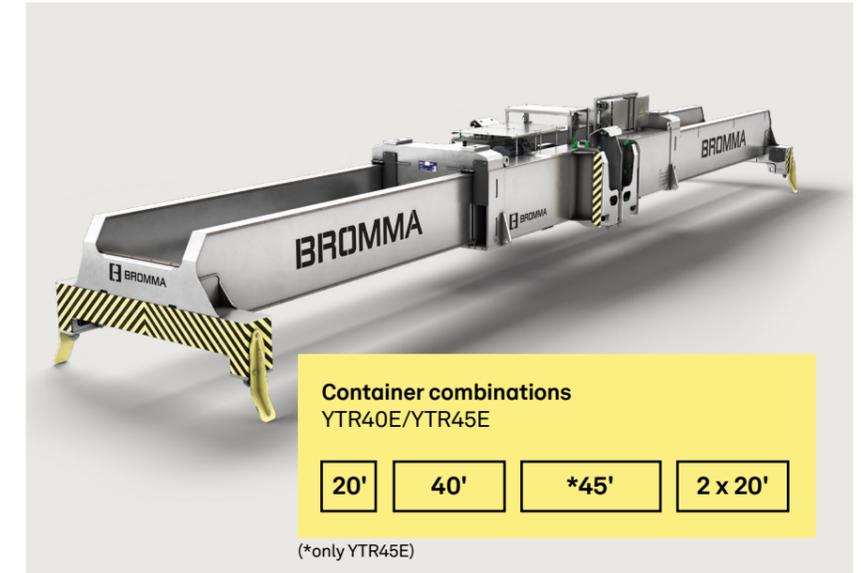
Lifting capacity	(According to EN13001) One container 41 metric tons, ±10% eccentric load	Max power consumption	0–3.0 kW
Lifting lugs	4 x 10 metric tons in end beams	Control system	Relay controlled (SCS-Modular available as an option)
Hoisting speed	Max 1 m/s	Control voltage	24 V DC
Weight	YSX40E: About 5.7 metric tons (without extra equipment) YSX45E: About 6.4 metric tons (without extra equipment)	Installed power	Telescopic system 3.0 kW Twistlock system 2 x 0.37 kW Total on spreader 3,75 kW
Telescopic motion	YSX40E: 20' to 40' in approx. 25 sec. YSX45E: 20' to 45' in approx. 30 sec.	Electrical cabinet	Stainless steel IP66
Guide arms	Fixed (Flippers are available as an option)	Surface conditioning	Sand-blasted SA 2.5 50-90 µm 2-component zinc epoxy 100 µm 2-component MIO pigmented 70 µm polyurethane
Twistlock rotation	90° in approx. 1 sec.		
Power supply	400/230 V AC 50 Hz or otherwise as agreed		

All-Electric

YTR40E/YTR45E

Twin-Lift Yard Crane Spreader

- Silent & environmentally friendly
- High reliability
- Fast trouble shooting
- Advanced SCS-modular communications system reduces downtime
- Fast trouble shooting
- Designed in accordance with EN13001



The telescopic spreaders are of rectangular frame construction enabling easy location on containers. The spreaders are as standard equipped with 4 x 10 metric tons lifting lugs in the corners of the end beams for heavy lifts and for handling damaged containers.

All movements of the YTR40E and YTR45E are electrically driven. This means that the spreader is silent and consumes energy only when moving. 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

Lifting capacity	(According to EN13001) One container 51 metric tons, ±10% eccentric load Twinlift of two 20' containers 2x32.5 metric tons evenly loaded	Power supply	400/230 V AC 50 Hz or otherwise as agreed
Lifting lugs	4 x 10 metric tons in the main frame and end beams	Max power consumption	0-3,5 kW
Weight	YTR40E: About 9.1 metric tons (without extra equipment) YTR45E: About 10.6 metric tons (without extra equipment)	Control system	SCS-Modular
Telescopic motion	YTR40E: 20' to 40' in 28 sec. YTR45E: 20' to 45' in 30 sec.	Control voltage	24 V DC
Guide arms	Fixed (Flippers are available as an option)	Installed power	Telescopic system 3kW Twistlock system 2x0.37kW + 4x0.12kW Twin hoist 2x0.25kW
Twistlock rotation	90° in approx. 1 sec.	Electrical cabinet	Stainless steel IP66
Twinlift unit up/down	Approx. 6 sec.	Surface conditioning	Sand-blasted SA 2.5 50-90 µm 2-component zinc epoxy 100 µm 2-component MIO pigmented 70 µm polyurethane



All-Electric

YTS45E

Separating Twin-Lift Yard Crane Spreader

- Two 20' containers can be moved apart 0'–5' under full load
- Recessed end beams
- Environmentally friendly
- Advanced SCS-modular communications system reduces downtime
- 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' containers from a spacing of 0 to 1.6 metres (0 to 5') 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.

Technical Data

Lifting capacity	(According to EN13001) One container 51 metric tons, ±10% eccentric load Twinlift of two 20' containers 2 x 32.5 metric tons evenly loaded	Twin expand/contract	Approx. 18 sec.
Lifting lugs	4 x 10 metric tons in the main frame and end beams	Power supply	400/230 V AC 50 Hz or otherwise as agreed
Weight	About 10.9 metric tons (without extra equipment)	Max power consumption	0-7.5 kW
Separating capacity	0–1600 mm with full load	Control system	SCS-Modular
Telescopic motion	20' to 45' in approx. 30 sec.	Control voltage	24 V DC
Guide arms	Fixed (Flippers are available as an option)	Installed power	Telescopic system 2x2.2kW Twin separating 1.5kW Twistlock system 2x0.37kW + 4x0.12kW Twin hoist 4x0.12kW
Twistlock rotation	90° in approx. 1 sec.	Electrical cabinet	Stainless steel IP66
Twinlift unit up/down	Approx. 6 sec.	Surface conditioning	Sand-blasted SA 2.5 50-90 µm 2-component zinc epoxy 100 µm 2-component MIO pigmented 70 µm polyurethane

Hydraulic

YSX40/YSX45

Yard Crane Spreader

- High lifting capacity
- Recessed end beams
- Bolted side guides
- Robust and well proven design
- Long economic life
- Designed in accordance with EN13001



The Bromma YSX40 and YSX45 are yard crane spreaders with mechanical structure calculated for 2 million cycles. The spreaders can adjust their length to lift 20', 40' and *45' containers using ISO floating twistlocks.

The telescopic spreader is of a rectangular frame construction enabling easy location on containers. As a standard, the spreader is equipped with 4 x 10 metric tons lifting lugs in the corners of the end beams for heavy lifts and for handling damaged containers.

The electrical components and the cable chain system are well protected inside the main frame. The hydraulic power pack is entirely enclosed within the main frame to ensure maximum protection. The complete hydraulic unit is shock mounted in one sturdy frame with protective covers.

Technical Data

Lifting capacity	(According to EN13001) One container 41 metric tons, ±10% eccentric load	Power supply	400/230 VAC 50 Hz or otherwise as agreed
Lifting lugs	4 x 10 metric tons in the main frame and end beams	Max power consumption	7.5 kW
Weight	YSX40: About 7.6 metric tons (without extra equipment) YSX45: About 9.4 metric tons (without extra equipment)	Control system	Relay controlled (SCS-Modular available as an option)
Telescopic motion	YSX40: 20' – 40' in approx. 28 sec. YSX45: 20' – 45' in approx. 30 sec.	Control voltage	24 V DC
Guide arms	Fixed (Flippers are available as an option)	Electrical cabinet	Stainless steel IP66
Twistlock rotation	90° in approx. 1 sec.	Surface conditioning	Sand-blasted SA 2.5 50-90 µm 2-component zinc epoxy 100 µm 2-component MIO pigmented 70 µm polyurethane
Hydraulics	System pressure 100 bar Piston pump pressure compensated		

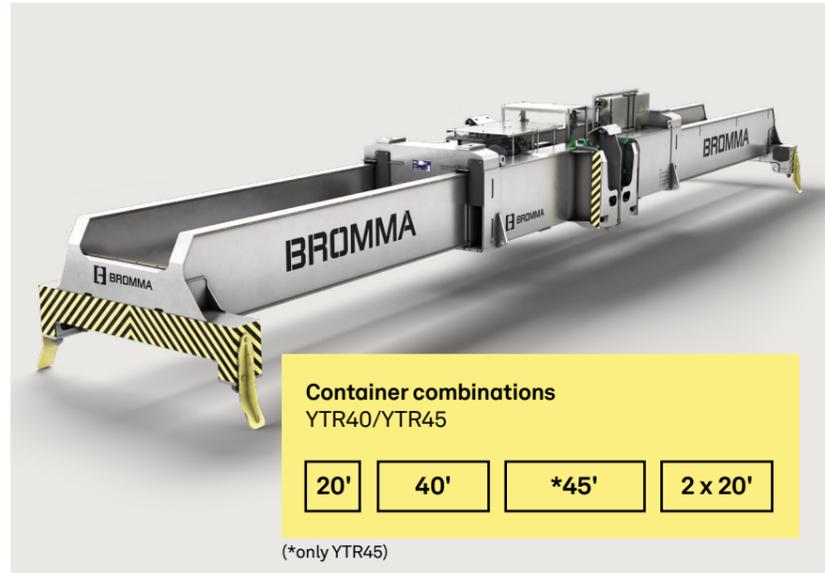


Hydraulic

YTR40/YTR45

Twin-Lift Yard Crane Spreader

- Twinlift capability
- High lifting capacity
- Recessed end beams
- Robust and well proven design
- Long economic life
- Designed in accordance with EN13001



The Bromma YTR40 and YTR45 are heavy-duty yard crane spreaders with mechanical structure calculated for 2 million cycles. They are designed for twinlift capability and can handle two 20' containers at the same time or one 40' or one 45' container. The design is well proven.

The telescopic spreader is of a rectangular frame construction enabling easy location on containers. As a standard, the spreader is equipped with 4 x 10 metric tons lifting lugs in the corners of the end beams for heavy lifts and for handling damaged containers.

The electrical components and the cable chain system are well protected inside the main frame. The hydraulic power pack is entirely enclosed within the main frame to ensure maximum protection. The complete hydraulic unit is shock mounted in one sturdy frame with protective covers.

Technical Data

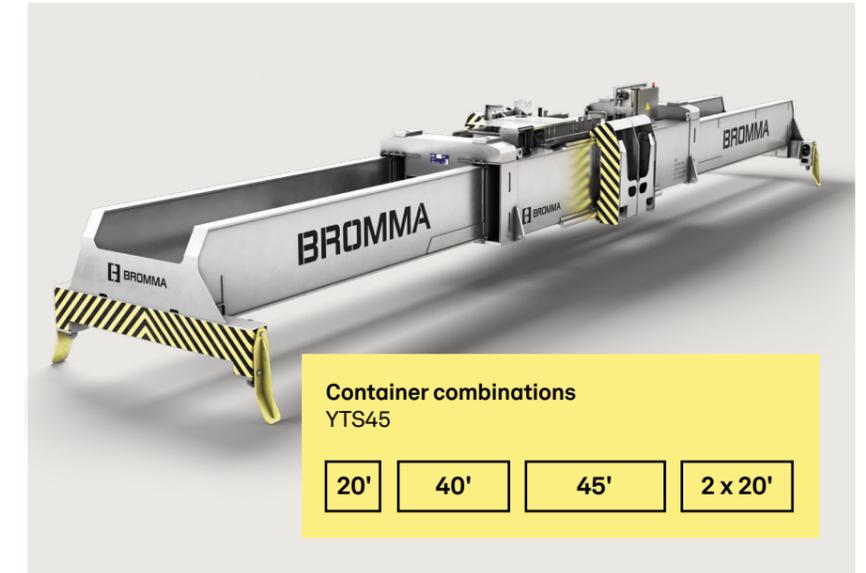
Lifting capacity	(According to EN13001) One container 51 metric tons, ±10% eccentric load Twinlift of two 20' containers 2 x 32.5 metric tons evenly loaded	Twinlift unit up/down	Approx. 8 sec.
Lifting lugs	4 x 10 metric tons in the main frame and end beams	Hydraulics	System pressure 100 bar Piston pump pressure compensated
Weight	YTR40: About 9.1 metric tons (without extra equipment) YTR45: About 10.6 metric tons (without extra equipment)	Power supply	400/230 V AC 50 Hz or otherwise as agreed
Telescopic motion	YTR40: 20' to 40' in approx. 28 sec. YTR45: 20' to 45' in approx. 30 sec.	Max power consumption	7.5 kW
Guide arms	Fixed (Flippers are available as an option)	Control system	Relay controlled (SCS-Modular available as an option)
Twistlock rotation	90° in approx. 1.5 sec.	Control voltage	24 V DC
		Electrical cabinet	Stainless steel IP66
		Surface conditioning	Sand-blasted SA 2.5 50-90 µm 2-component zinc epoxy 100 µm 2-component MIO pigmented 70 µm polyurethane

Hydraulic

YTS45

Separating Twin-Lift Yard Crane Spreader

- Retractable twinlift
- High lifting capacity
- Recessed end beams
- Robust and well proven design
- Long economic life
- Bolted side guides
- Designed in accordance with EN13001



The Bromma YTS45 is a heavy-duty yard crane spreader equipped with retractable twinlift unit for handling two 20' containers at the same time, or one 40' or 45' container. The twinlift spreader can move two 20' containers from a spacing of 0 to 1.6 metres (0 to 5') under full load while suspended under the twistlocks. Low noise level and robust design are some other advantages.

The telescopic spreader is of a rectangular frame construction enabling easy location on containers. As a standard, the spreader is equipped with 4 x 10 metric tons lifting lugs in the corners of the end beams for heavy lifts and for handling damaged containers.

The electrical components and the cable chain system are well protected inside the main frame. The hydraulic power pack is entirely enclosed within the main frame to ensure maximum protection. The complete hydraulic unit is shock mounted in one sturdy frame with protective covers.

Technical Data

Lifting capacity	(According to EN13001) One container 51 metric tons, ±10% eccentric load Twinlift of two 20' containers 2 x 32.5 metric tons evenly loaded	Twin expand/contract	Approx. 30 sec.
Lifting lugs	4 x 10 metric tons in the main frame and end beams	Hydraulics	System pressure 120 bar Piston pump pressure compensated
Weight	About 11.2 metric tons (without extra equipment)	Power supply	400/230 V AC 50 Hz or otherwise as agreed
Separating capacity	0-1600 mm up to 2 x 25 metric tons	Max power consumption	7.5 kW
Telescopic motion	20' to 45' in approx. 30 sec.	Control system	SCS-Modular
Guide arms	Fixed (Not designed for using flippers)	Control voltage	24 V DC
Twistlock rotation	90° in approx. 1.5 sec.	Electrical cabinet	Stainless steel IP66
Twistlock unit up/down	Approx. 8 sec.	Surface conditioning	Sand-blasted SA 2.5 50-90 µm 2-component zinc epoxy 100 µm 2-component MIO pigmented 70 µm polyurethane



All-Electric

YSX45E PLUS

Yard Crane Spreader

- 90% reduction of power consumption compared to hydraulic spreader
- High lifting capacity
- Further strengthened mechanical structure
- Long service intervals
- Fulfills the design criteria of EN13001: HC2, HD1, U7, Q31



Bromma YSX45E PLUS telescopic yard spreader is an all-electric spreader with a steel structure calculated for two million cycles and increased SWL to 51 MT. The YSX45E PLUS is a silent alternative for most applications, particularly in environmentally sensitive terminals.

The YSX45E PLUS is perfectly suitable for use in ASC applications. With their fewer service points, lower weight and absence of hydraulics, this spreader features high availability, easy maintenance and extended durability. YSX45E PLUS delivers high productivity performance, long service life and maximum safety.

Yet it is surprisingly lightweight, in many cases several metric tons lighter than comparable spreaders in the market.

With the Plus-range telescopic drive and twistlock system, the YSX45E PLUS has a stronger telescopic drive and improved handling of damaged containers.

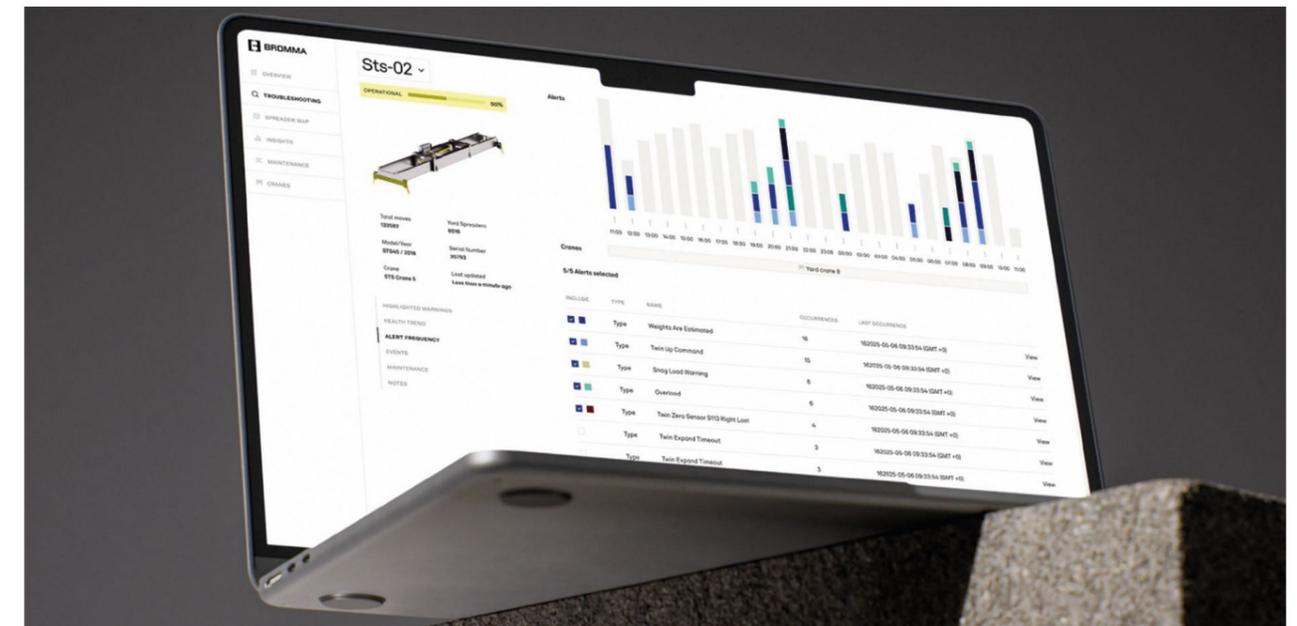
Technical Data

Lifting capacity	(According to according to EN 13001, HC2, HD1, U7, Q3) -51 metric tons evenly loaded -51 metric tons ±10% eccentric load Twinlift of two 20' containers 2 x 32.5 metric tons evenly loaded	Power supply	400/230 V AC 50 Hz or otherwise as agreed
Lifting lugs	4 x 12.5 metric tons in end beams	Max power consumption	0 - 3.7 kW
Tare weight	7 metric tons (without extra equipment)	Control system	Relay controlled (SCS-Modular available as an option)
Telescopic motion	20' to 45' in approx. 30 sec.	Control voltage	24 V DC
Guide arms	Fixed (Flippers are available as option)	Electrical cabinet	Stainless steel IP66
Twistlock rotation	90° in approx. 1 sec.	Installed power	Telescopic system 3.7 kW Twistlock system 2 X 0.4 kW Total on spreader 4.5 kW
Twinlift unit up/down	Approx. 8 sec.		

Bromma Spreader Monitoring System

Get an instant single view of the health condition of every spreader in your fleet.

Bromma SMS is a cloud based service designed to help terminal operators to detect and prevent spreader failures, prioritize and plan maintenance operations and resolve potential problems before they become real.



Get an instant single view of the health condition of every spreader in your fleet

The system aggregates key statistics from the spreaders to present an easy to read overview and identify any current issues. A health bar indicates the real-time status of particular spreader in your fleet.

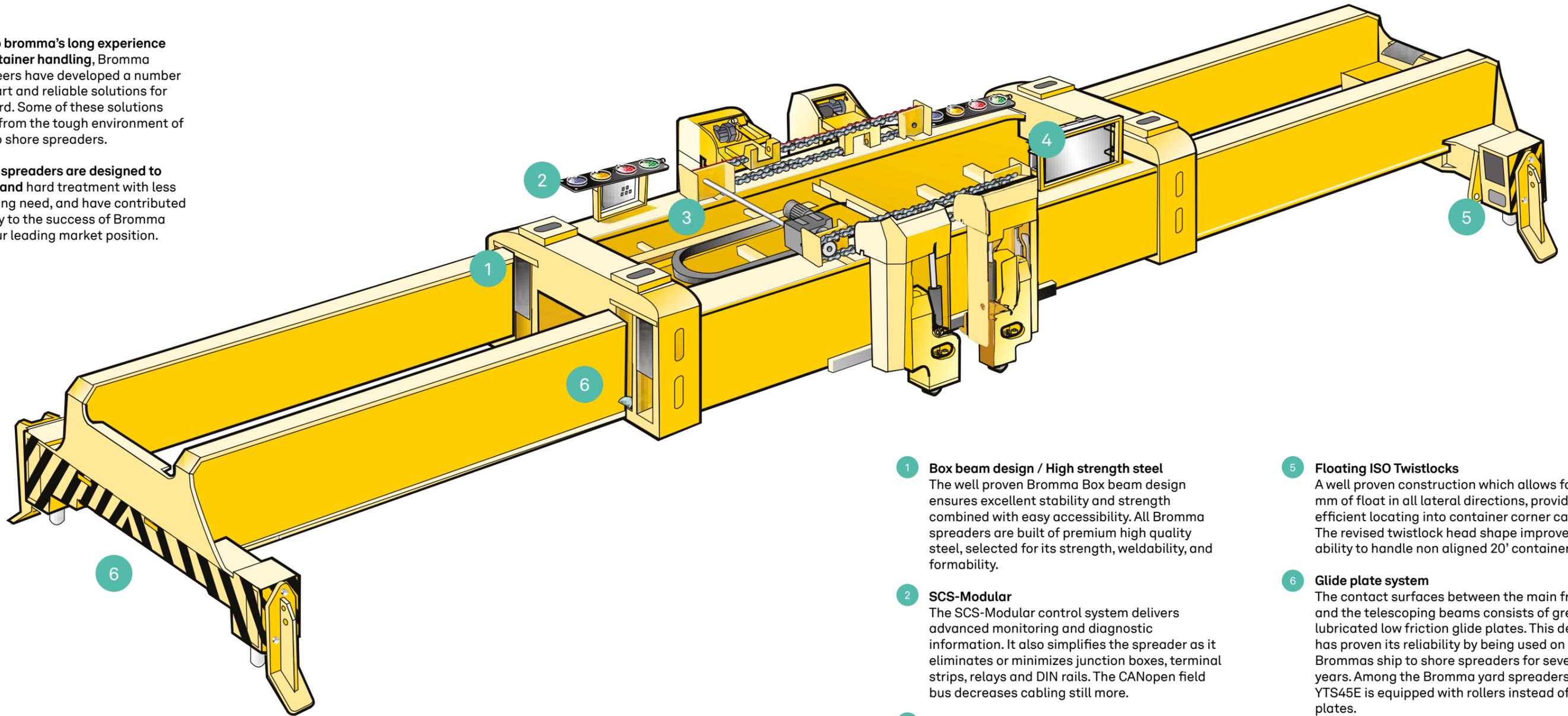
View packaged information on issues and recommended solutions
SMS helps you understand the errors and warnings from the spreader's diagnostics system. To make sure the issues are resolved, each warning includes a list of recommended actions.

Spend less time on planning maintenance
SMS keeps track of the maintenance needs of each spreader in your fleet. By monitoring spreader usage in real time, it helps you to schedule to exactly when it is needed.



Key features

- Due to bromma's long experience in container handling, Bromma engineers have developed a number of smart and reliable solutions for the yard. Some of these solutions come from the tough environment of ship to shore spreaders.
- These spreaders are designed to withstand hard treatment with less servicing need, and have contributed greatly to the success of Bromma and our leading market position.



- 1 Box beam design / High strength steel**
The well proven Bromma Box beam design ensures excellent stability and strength combined with easy accessibility. All Bromma spreaders are built of premium high quality steel, selected for its strength, weldability, and formability.
- 2 SCS-Modular**
The SCS-Modular control system delivers advanced monitoring and diagnostic information. It also simplifies the spreader as it eliminates or minimizes junction boxes, terminal strips, relays and DIN rails. The CANopen field bus decreases cabling still more.
- 3 Telescoping system**
The chain driven telescopic system, with shock absorbing blocks of spring washers and tension rods, comes directly from Brommas ship to shore spreaders.
- 4 Electrical Cabinet**
A common downtime reason is connection failures caused by repetitive impact between the spreader and the containers. The electrical cabinets are mounted with specially designed shock absorbers, identical to the ship to shore spreaders. This together with the enclosure IP66 ensures many untroubled working hours.
- 5 Floating ISO Twistlocks**
A well proven construction which allows for 6 mm of float in all lateral directions, providing efficient locating into container corner castings. The revised twistlock head shape improves the ability to handle non aligned 20' containers.
- 6 Glide plate system**
The contact surfaces between the main frame and the telescoping beams consists of grease lubricated low friction glide plates. This design has proven its reliability by being used on Brommas ship to shore spreaders for several years. Among the Bromma yard spreaders only YTS45E is equipped with rollers instead of glide plates.
- 7 All-electric drive for twistlocks**
This service – and power-saving design is both simple and reliable. An electric motor drives the twistlock movement via a gearbox and rods connected to each twistlock pin. Only on electric spreaders.

Please note that the picture shows an YTS45E, certain items will look different for other models.



Services

Breakdowns will happen, whether we like or not. That's the very nature of any piece of mechanical equipment. Not even a Bromma spreader escapes being affected by the elements.

And although tools such as SCS-Modular and Spreader Monitoring System improve predictability, things do happen out of the plan. Then it is important to have a close partner to work with.

Our services are all about ensuring your operational reliability. Our service portfolio contains every service you need to keep your equipment operational at all times – services delivered timely and in a friendly spirit, on a global basis.

Besides spare parts, maintenance and repairs, we offer to help customers keep their equipment intact and in pace with time through our upgrade and refurbishment services.

We offer a complete range of spreader-related services, including spare parts handling, refurbishment (giving new life to used spreaders), and upgrading your existing equipment to current standards. We also provide service and maintenance agreements and many practical and theoretical courses.

Spare parts



Refurbishments



Service & maintenance



Training



Upgrades



Bromma parts

Enables you to order spare parts. The user-friendly interface together with a powerful search function will ensure quick and accurate ordering of Bromma original parts.





Yard crane spreaders

	PAGE	CONTAINER HANDLING CAPABILITY				APPROXIMATE WEIGHT (Tons)	MAX POWER (kW)		SWL (in metric tons)			SPEED (sec.)		OPERATING DETAILS	
		20'	40'	45'	2x20'				Even.	Eccen.	Twin	Twistlocks 90°	Telescopic		
E-SERIES	YSX40E	6	●	●		About 5.7 metric tons	0-3.0		41	41	-	~1	~25		
	YSX45E	6	●	●	●	About 6.4 metric tons	0-3.0		41	41	-	~1	~30		
	YTR40E	7	●	●		●	About 9.1 metric tons	0-3.5		51	51	2x32.5	~1	~28	Twinlift unit up/down approx. 6 seconds
	YTR45E	7	●	●	●	●	About 10.6 metric tons	0-3.5		51	51	-2x32.5	~1	~30	Twinlift unit up/down approx. 6 seconds
	YTS45E	8	●	●	●	●	About 10.9 metric tons	0-7.5		51	51	2x32.5	~1	~30	Twinlift unit up/down approx. 6 seconds Twin separating speed approx. 18 seconds
HYDRAULIC	YSX40	9	●	●		About 7.6 metric tons	7.5		41	41	-	~1	~28		
	YSX45	9	●	●	●	About 9.4 metric tons	7.5		41	41	-	~1	~30		
	YTR40	10	●	●		●	About 9.1 metric tons	7.5		51	51	2x32.5	~1.5	~28	Twinlift unit up/down approx. 8 seconds
	YTR45	10	●	●	●	●	About 10.6 metric tons	7.5		51	51	2x32.5	~1.5	~30	Twinlift unit up/down approx. 8 seconds
	YTS45	11	●	●	●	●	About 11.2 metric tons	7.5		51	51	2x32.5	~1.5	~30	Twinlift unit up/down approx. 8 seconds
PLUS	YSX45E PLUS	12	●	●	●	About 7.0 metric tons	0 - 3.7		51	51	4x12.5	~1	~30		



bromma.com

We reserve the right to change the design and technical data without prior notice.

Copyright © Bromma 2025
All rights reserved.
sales@bromma.com
Revision 1/ 6 November 2025