



# YSX40E/45E

## UPGRADED ALL-ELECTRIC YARD SPREADER

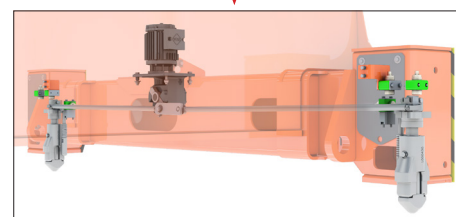
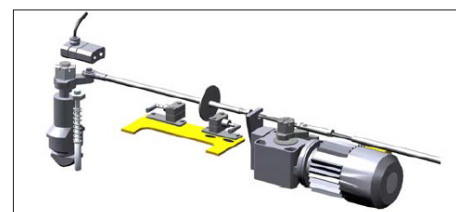
### DESCRIPTION

The upgraded YSX40E/45E spreaders are fully electric-driven and used on yard stacking cranes. They have been developed by Bromma to increase operational efficiency, productivity and safety, while reducing maintenance costs.

The upgrade is applicable for YSX40E/45E spreaders delivered from Bromma in or before 2010.

#### Benefits of having the YSX40E/45E upgrade include:

- Reduction in maintenance
- Higher reliability
- Easier accessibility for maintenance



YSX40E/45E upgrade

### SCOPE OF WORK

The scope of work for the YSX40E/45E upgrade includes:

- Upgrade the spreader twistlock motor and gearbox
- Upgrade the spreader telescopic gearbox
- Modify the spreader program (if applicable)
- Revise existing drawings
- Revise spreader manuals
- Test all functions
- Conduct training

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### PARTS INCLUDED

The following are included in the YSX40E/45E upgrade offer:

#### 1. Linkage

- New design with fixed linkage.
- Sensors for locked/unlocked signals are now positioned directly at the twistlocks.
- Motions are now controlled by built-in stops (instead of adjustable sensors).

#### 2. Flange

- New gearbox design to withstand outer shocks.
- A robust flange is used and less leverage is obtained with a compact motor.

#### 3. Positioning

- The motor stops at the defined positions using sensors (as before) but further movement is now prevented by a self-locking gearbox or improved brake positioning.

#### 4. Accessibility

- The gearbox is top mounted with its motor easily accessible even when in the 20' position.
- Motor and plug in box are located on top of the end beam and are protected by a flap cover.

### ADDITIONAL ITEMS INCLUDED IN WORK SCOPE

The following additional items are included in the YSX40E/45E upgrade:

- Software update on port's computer that will be used to connect to the spreader (if applicable)
- Firmware update of components and the spreader control systems (if applicable)

### MATERIAL & INSTALLATION LEADTIME

Please contact your local Bromma representative for material and installation leadtime.

### PRICE & DELIVERY

Please connect with your local Bromma representative for price and delivery leadtime.