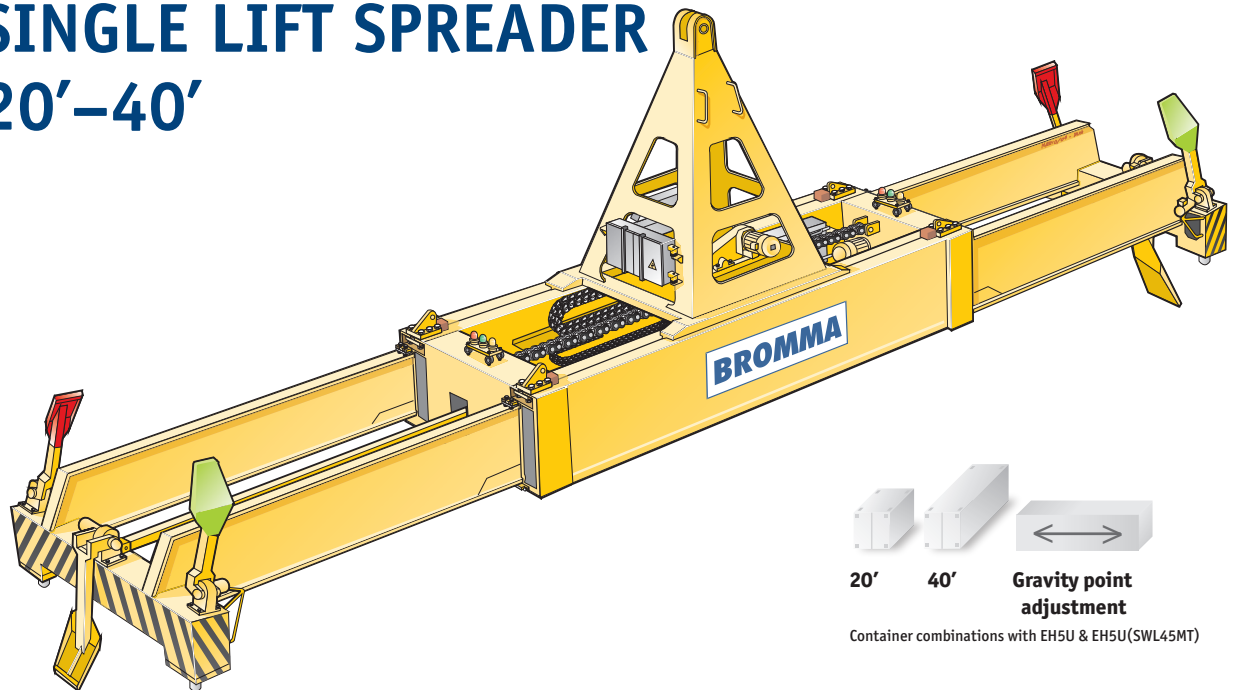


EH5U & EH5U(SWL45MT), SINGLE LIFT SPREADER 20'–40'



- » **TOWER DESIGN WITH ±1.2 M** gravity point adjustment
- » **HIGH LIFTING CAPACITY**
- » **ADJUSTABLE FOR 20'** and 40' containers

- » **SIX SIDE-FLIPPER ARM CONFIGURATION**
- » **BROMMA STANDARD ISO** floating twistlock
- » **PROXIMITY SWITCHES FOR POSITIONING** of telescopic motion

- » **FLIPPER INSTALLATION FOR BETTER** protection of the flipper arm in cell guides
- » **SHOCK ABSORPTION BETWEEN** telescopic beam and main frame
- » **FULFILLS DESIGN CRITERIA AMONG** EN13001, DIN 15018 H2B4, FEM 1.001 and British Standard BS2573

The Bromma EH5U spreader is a single lift mobile harbour crane spreader with high lifting capacity combined with low weight. This means better performance with no impact on the load curve or the travelling of the crane. The EH5U comes with the Bromma standard ISO floating twistlocks with a floating capacity of 6 mm and both electrical interlock and mechanical blockading.

The telescopic motion is controlled by proximity switches for a further simplified setting, and the spreader is prepared for installation of the Bromma TTDS (Twin Twenty Detection System). To handle unevenly loaded containers, a sliding tower assembly allows the gravity lifting point to be adjusted by 1.2 meters in both directions. When a container is released, the tower will automatically return to the centre position.

A versatile six side flipper arm configuration provides the crane operator with the improved ability to locate the containers. The side-flipper installation mounted on an inclined base eliminates the interference with cell guides when flippers are in the upper position.

The electrical components and the cable chain system are well protected inside the tower. The hydraulic units are protected inside each end beam. The unit consists of a built-in tank, variable displacement piston pump, motor, valves and filter.

The spreader is made of high quality steel. It is designed in accordance with EN13001. All components can be easily assembled, adjusted, removed and are accessible for inspection and maintenance.

Technical Data EH5U & EH5U(SWL45MT)

» LIFTING CAPACITY

(According to EN13001)

- > EH5U
 - 41 metric tons evenly loaded
 - 41 metric tons ±10% eccentric load
- > EH5U (SWL45MT)
 - 45 metric tons evenly loaded
 - 45 metric tons ±10% eccentric load

» LIFTING LUGS

4 x 10 metric tons in the main frame and end beams

» WEIGHT

- > EH5U
 - About 9.0 metric tons (without extra equipment)
- > EH5U (SWL 45MT)
 - About 9.3 metric tons (without extra equipment)

» GRAVITY POINT ADJUSTMENT

± 1200 mm in 20 sec.

» TELESCOPIC MOTION

From 20' to 40' in approx. 30 sec.

» FLIPPER ARM SPEED

180° in 3-5 sec.

» TWISTLOCK ROTATION

ISO floating 90° in approx. 1 sec.

» HYDRAULICS

System pressure 100 bar
Piston pump pressure compensated
Maximum flow 2 x15 l/min

» POWER SUPPLY

400/230 VAC 50 Hz
or otherwise as agreed

» MAX POWER CONSUMPTION

12.9 kW

» ELECTRICAL CABINET

Stainless steel IP66

» CONTROL VOLTAGE

24 VDC

» SURFACE CONDITIONING

Sand-blasted SA 2.5
EPZn(R) Zinc-epoxy primer 60 µm
EP epoxy 100 µm
PUR polyurethane 60 µm