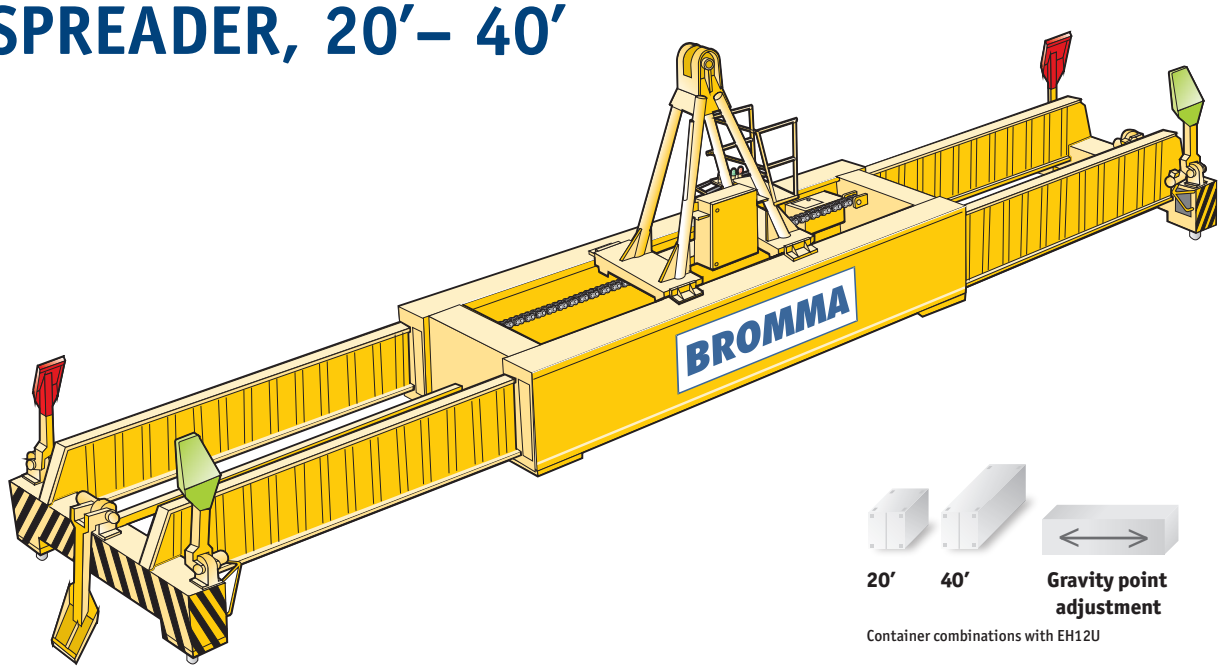
EH12U, SINGLE LIFT LIGHT WEIGHT SPREADER, 20’– 40’



Container combinations with EH12U

- **TOWER DESIGN WITH ±1.2 M** gravity point adjustment
- **LIFTING CAPACITY,** 35 metric ton, with low tare weight
- **ADJUSTABLE FOR 20’, 30’ (OPTION)** and 40’ containers
- **SIX SIDE-FLIPPER ARM CONFIGURATION**
- **BROMMA STANDARD ISO** floating twistlock
- **LIGHTWEIGHT FOR USE ON CRANES** rated to lift less weight
- **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
- **FULFILS DESIGN CRITERIA AMONG** EN13001, DIN 15018 H2B3, FEM 1.001 and British Standard BS2573

The Bromma EH12U spreader is a single lift mobile harbour crane spreader with lifting capacity of 35 metric tons evenly loaded, combined with low weight. This means better performance with no impact on the load curve or the travelling of the crane. EH12U is a lightweight version of EH5U, ideal for use on cranes rated to lift less weight.

The EH12U 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 EH12U

LIFTING CAPACITY
(According to EN13001)
35 metric tons evenly loaded
30.5 metric tons ±10% eccentric load

LIFTING LUGS
4 x 8.75 metric tons in the main frame and end beams

WEIGHT
About 7.8 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 5 sec.

TWISTLOCK ROTATION
ISO floating 90° in approx. 1.5 sec.

HYDRAULICS
System pressure 100 bar
Piston pump pressure compensated
Maximum flow 40 l/min

POWER SUPPLY
400/230 VAC 50 Hz
or otherwise as agreed

MAX POWER CONSUMPTION
7.5 kW at 50 Hz/9.0 kW at 60 Hz

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