

Mobile Harbour Crane Spreaders



KEY FEATURES:

- **Heavy duty double girder design**
- **Robust and reliable hydraulically powered telescoping system**
- **High torque single cylinder actuated corner flippers**
Higher torque than motor/gear version
- **Gravity point adjustment tower**
With single or double shaft mounting for easy installation
- **Transversal adjustment of +/- 5° available**
- **Memory Positioning, Height Detection & Twin-Twenty Detection Systems available**
- **High reliability and maintenance friendly**
- **Twin motor/pump power pack unit**
Failsafe redundancy
- **Mobile Electronic Control Unit operated**
Dedicated to heavy duty mobile applications
- **Spreader CANopen ready**
prCiA 444 application profile, crane add-on devices
- **Full electric system diagnosis**
Overload, short-circuit, wire break detection
- **Superior powder coating surface protection**
Higher physical, chemical and discolouration resistance

THE VDL CH6650 SERIES ARE CRANE SPREADERS DESIGNED TO HANDLE 20-40FT / 20-40-45FT ISO CONTAINERS IN JIB / MOBILE HARBOUR CRANE APPLICATION. THE DOUBLE GIRDER DESIGN IS STRUCTURALLY WELL PROVEN AND MADE OUT OF HIGH QUALITY STEEL IN ORDER TO REDUCE WEIGHT. THE SPREADERS ARE STANDARD EQUIPPED WITH 6 HIGH TORQUE SINGLE CYLINDER ACTUATED SIDE FLIPPERS AND AVAILABLE WITH SEVERAL OPTIONS.

The robust and reliable telescoping system consists of 3-point mounted hydraulic cylinders, impact protected with spring washer packages and hydraulic relief valves. The twistlock- beams are equipped with the quick exchange floating twistlocks system. The standard spreaders are hydraulically powered by the twin motor/pump power pack, mounted on heavy duty shock absorbers.

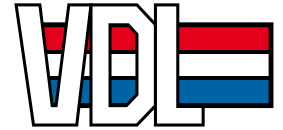
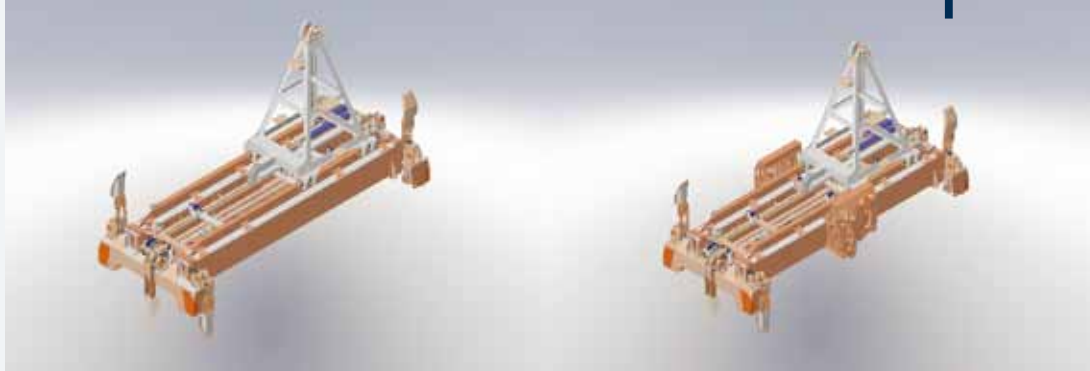
The VDL CH6650 Fixed Twin is the dedicated twin-lift version of the JIB / Mobile Harbour Crane spreader range. The Twin spreader is equipped with a pivoting tower which can adjust 2.100mm to each side. A transversal adjustment of +/- 5° is available on the spreader in order to take containers out of an extremely listed ship.

VDL Containersystemen is part of the VDL Groep, an international industrial organisation. It is a conglomerate of flexible, independent companies, each with its own specialty. The strength of the VDL Groep lies in the mutual co-operation between the companies. Since its founding in 1953, the VDL Groep has grown to include 77 operating companies, spread over 14 countries with more than 6,300 employees.

Strength through co-operation



Mobile Harbour Crane Spreaders



MOBILE HARBOUR CRANE SPREADERS

	CH6650 Side shift	CH6650 Fixed Twin Side Shift
Model	CH6650 Side shift	CH6650 Fixed Twin Side Shift
Lifting capacity (Single lift)	41T +/- 10% loading eccentricity	
Lifting capacity (Twin lift)	-	2x25 T
Lifting Lugs capacity	4x 10 T	
Spreader Tara weight	9.900 kg (incl. tower)	10.900 kg (incl. tower)
Hoisting Speed	Depending on specifications Max. 90 m/min	
Horizontal acceleration	Max. 0,5 m/sec	
Design Criteria	EN 15056 / EN13001 H2 Q4 1.400.000 Load cycles	
Flippers	6 side flippers hydraulically operated	
180° rotation time	4-6 Seconds adjustable	
Torque	Up to 4500 Nm (acting) / 7000 Nm (retaining)	
Twistlocks	Forged and hardened steel	
90° rotation time	≤ 1 Second	
Speed up/down twin boxes	-	4 to 6 seconds
Telescoping	3 point mounted hydraulic cylinder	
Time 20 to 45ft	Aprox. 27 seconds	Aprox. 27 seconds
Side shift (Gravity Adjustm.)	+/- 1.200 mm to each side	+/- 2.100 mm to each side
Max. hydraulic pressure	Aprox. 140 bar	
Electrics	3x 400 VAC / 50-60 Hz or otherwise as agreed	
Power supply	Conventional (10-450 VDC/10-450 VAC), Profibus or Canbus	
Control from crane	24 VDC	
Control on spreader	24 VDC	
Power consumption	2x 5,5 kW or less if wanted	
Indicator lights	High power LED lights	
Surface coating	Powder surface coating, 210µm paint thickness	
Main Options		
All electric spreader	Available for single and fixed twin	
Flippers	Side flippers hydraulically operated	
Telescoping positions	All positions from 20 to 45 ft possible	
Rotator	-95° / +185° rotation	
Memory Positioning	All positions from 20 to 45 ft possible	
2x20 ft detection System	Detects 2x20ft containers when in 40ft mode	
Height detection System	Detects the distance between spreader and container	
Transversal adjustment	Enables listing with +/- 5°	
Other capacity	Spreader capacity can be in- and decreased upon request	
System diagnosis	Onboard spreader display Fault monitoring diagnostic messages to crane Sensor diagnostics	



The full manufacturing process of VDL Containersystemen is certified with ISO 9001 qualification, approved by TÜV.



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 They are subject to modifications without prior notice.
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