



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

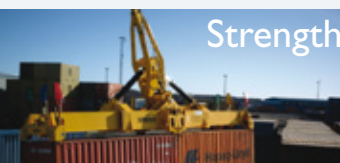
THE VDL CH6650 SERIES ARE CRANE SPREADERS DESIGNED TO HANDLE 20-40FT / 20-40-45FT ISO CONTAINERS IN JIB / MOBILE HARBOUR CRANE APPLICATION. THE DOUBLE GIRDER DESIGN IS STRUCTURALLY WELL PROVEN AND MADE OUT OF HIGH QUALITY STEEL IN ORDER TO REDUCE WEIGHT. THE SPREADERS ARE STANDARD EQUIPPED WITH 6 HIGH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

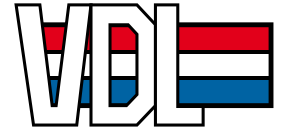
VDL Containersystemen is part of VDL Groep, an international industrial organisation. It is a conglomerate of flexible, independent companies, each with its own specialty. The strength of VDL Groep lies in the mutual cooperation between the companies. Since its founding in 1953, VDL Groep has grown to include 81 operating companies, spread over 18 countries with more than 9,100 employees.



Strength through cooperation



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MOBILE HARBOUR CRANE SPREADERS			
Model	CH6600	CH6650	CH6650 Fixed Twin
Lifting capacity (Single lift)	41T +/- 10% loading eccentricity		
Lifting capacity (Twin lift)	-	-	2x25T
Lifting Lugs capacity	4x 10T		
Spreader Tara weight	9.300 kg (incl. tower)	10.200 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 / EN 13001 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 40ft	≤ 20 seconds		
Time 20 to 45ft	-	≤ 27 seconds	≤ 27 seconds
Side shift (Gravity Adjustm.)	+/- 1.200 mm both sides	+/- 1.200 mm both sides	+/- 2.100 mm both sides
Max. hydraulic pressure	Approx. 140 bar		
Electrics			
Power supply	3x 400 VAC / 50-60 Hz or otherwise as agreed		
Control from crane	Conventional (10-450 VDC/10-450 VAC), Profibus or Canbus		
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, µm paint thickness		
Main Options			
All electric spreader	Available for single and fixed twin		
Telescoping positions	All positions from 20 to 45ft possible		
Rotator	-95° / +185° rotation		
Memory Positioning	All positions from 20 to 45ft 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 and 14001 qualification, approved by TÜV.



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