



Yard Crane Spreaders



KEY FEATURES:

- Low spreader height thanks to double girder design
- Robust and reliable hydraulically powered telescoping system
- High reliability and maintenance friendly
- Full electric version available
- Twin motor/pump power pack unit
Failsafe redundancy
- Mobile Electronic Control Unit
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 CH6450 SERIES ARE YARD CRANE SPREADERS DESIGNED TO HANDLE 20-40FT / 20-40-45FT ISO CONTAINERS. THE DOUBLE GIRDER DESIGN IS STRUCTURALLY BASED ON THE VDL SHIP TO SHORE SPREADERS.

The proven 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.

Yard crane spreaders of VDL are in operation all over the world, most have been delivered to Europe, Asia and the USA. The yard crane spreaders are available with several options and different guides/flippers combinations.

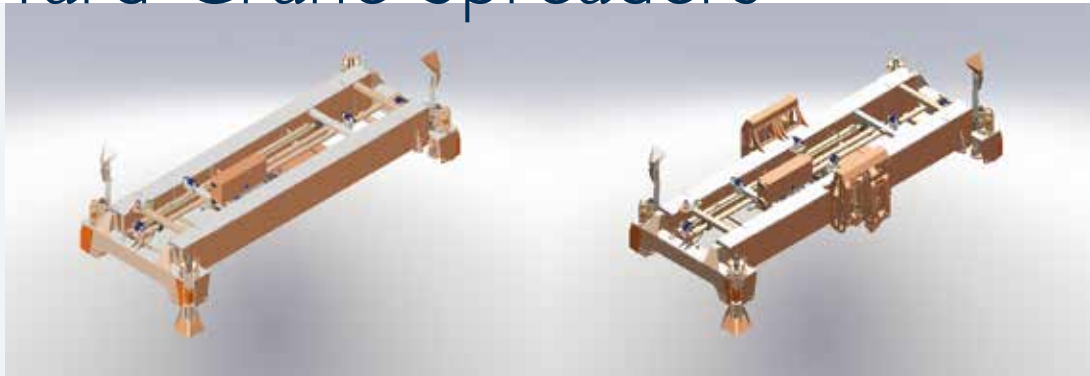
All VDL spreaders are protected with a unique thermosetting powder surface coating. The environment-friendly process (no solvent, no air pollution) provides maximum corrosion resistance and surface hardness and, above all, an outstanding appearance!

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 cooperation



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YARD CRANE SPREADERS		
Model	CH6400	CH6450 Fixed Twin
Lifting capacity (Single lift)	41T	
	+/- 10% loading eccentricity	
Lifting capacity (Twin lift)	-	2x 25T
Lifting Lugs capacity	4x 10T	
Spreader Tara weight	7.500 kg	9.000 kg
	Depending on specifications, excl. crane headblock mounting	
Hoisting Speed	Max. 90 m/min	
Horizontal acceleration	Max. 0,5 m/sec	
Design Criteria	EN 15056 / EN 13001 H2 Q4	
	2.000.000 Load cycles	
Twistlocks	Forged and hardened steel	
90° rotation time	≤ 1 second	
Time up/down twin boxes	-	4 to 6 seconds
Telescoping	3 point mounted hydraulic cylinder	
Time 20 to 40ft	≤ 20 seconds	≤ 20 seconds
Time 20 to 45ft		≤ 27 seconds
Max. hydraulic pressure	Aprox. 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, 210µm paint thickness	
Main Options	45ft positioning	
All electric spreader	Available for single and fixed twin	
Flippers	4 corner or side flippers hydraulically operated	
180° rotation time	4-6 seconds adjustable	
Torque	Up to 4500 Nm (acting) / 7000 Nm (retaining)	
Telescoping positions	All positions from 20 to 45ft possible	
Rotator	-95° / +185° rotation	
Side shift (Gravity Adjustm.)		
MM to each side	+/- 1.200 mm	
Additional weight	1.900 kg	
Memory Positioning	All positions from 20 to 45ft possible	
2x20 ft detection System	Detects 2x20ft containers when in 40ft mode	
Height detection System	Spreader capacity can be in- and decreased upon request	
Other capacity	Onboard spreader display	
System diagnosis	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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