

Ship to Shore 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
- **Separating twin-lift configuration**
Separating two 20ft containers from 0 to 1600 mm
- **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 CH6550 SERIES ARE QUAYSIDE CRANE SPREADERS DESIGNED TO HANDLE 20-40FT / 20-40-45FT ISO CONTAINERS. THE DOUBLE GIRDER DESIGN IS STRUCTURALLY WELL PROVEN AND FULLY DEDICATED TO SHIP TO SHORE APPLICATIONS.

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 CH6550 Long Twin is the dedicated separating twin-lift version of the ship to shore spreader range. Both series are standard equipped with high torque single cylinder actuated corner flippers and are available with several options.

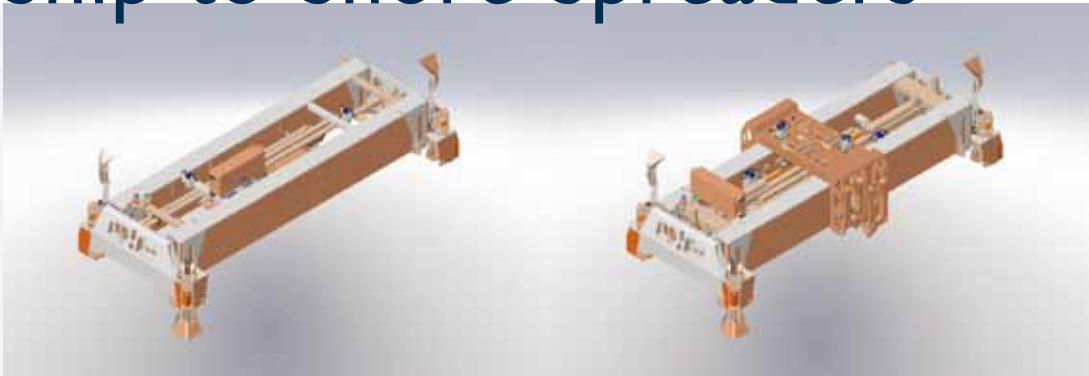
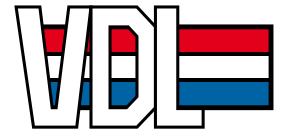
All VDL spreaders are protected with a unique thermosetting powder surface coating. The environment-friendly process (no solvent, no air pollution) provides maximum corrosion resistance and surface hardness and, above all, an outstanding appearance!

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 co-operation



Ship to Shore Spreaders



SHIP TO SHORE SPREADERS

	CH6550	CH6550 Fixed Twin	CH6550 Long Twin
Model	51T/41T (40ft/45ft)	51T/41T (40ft/45ft)	51T/41T (40ft/45ft)
Lifting capacity (Single lift)	+/- 10% loading eccentricity		
Lifting capacity (Twin lift)	-	2x32,5 T	2x32,5 T
Lifting Lugs capacity	4x 10 T		
Spreader Tara weight	9.600 kg	10.600 kg	12.000 kg
Hoisting Speed	Depending on specifications, excl. crane headblock mounting		
Horizontal acceleration	Max. 180 m/min		
Design Criteria	Max. 0,5 m/sec		
Flippers	EN 15056 / EN13001 H2 Q4		
180° rotation time	2.000.000 Load cycles		
Torque	4 corner flippers hydraulically operated		
Twistlocks	4-6 Seconds adjustable		
90° rotation time	Up to 4500 Nm (acting) / 7000 Nm (retaining)		
Speed up/down twin boxes	Forged and hardened steel		
Telescoping	≤ 1 Second		
Time 20 to 45ft	-	4 to 6 seconds	4 to 6 seconds
Time 0 to 5ft	3 point mounted hydraulic cylinder		
(Seperating twin-lift)	Aprox. 27 seconds	Aprox. 27 seconds	Aprox. 27 seconds
Max. hydraulic pressure	-	-	Aprox. 20 seconds
Electrics	Aprox. 140 bar		
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			
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		
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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These specifications are for information purposes only. They are subject to modifications without prior notice. 04-2010