



# Piggyback Spreaders



## KEY FEATURES:

- High visibility as a result of Monobeam design
- Low tare weight
- High reliability and maintenance friendly
- 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 CTH7200 IS AN INTERMODAL YARD CRANE SPREADER DESIGNED TO HANDLE 20-40FT ISO CONTAINERS AS WELL AS TRAILERS AND SWAP BODIES.

THE MONOBEAM DESIGN IS STRUCTURALLY BASED ON THE HEAVY DUTY VDL REACH-STACKER SPREADERS BUT UPGRADED TO YARD CRANE APPLICATIONS.

The spreader is equipped with four hydraulic rotating piggyback arms which are retractable inside the spreader dimensions allowing blockstacking of containers. This spreader is standard equipped with rubber shock absorbers in the longitudinal direction. Hydraulic damping in longitudinal direction of 12° is also available.

Around 100 of these piggyback spreaders have been delivered in the last 20 years. Most of these spreaders are still in operation in terminals mainly in Europe. The proven telescoping system consists of 3-point mounted hydraulic cylinders, impact protected with spring washer packages and hydraulic relief valves. The spreaders are powered by the twin motor/pump power pack, mounted on heavy duty shock absorbers. Several options as rotation, gravity adjustment and hydraulic activated flippers combinations are available.

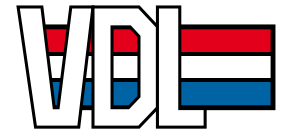
VDL Containersystemen is part of VDL Groep, an international industrial organisation. It is a conglomerate of flexible, independent companies, each with its own specialty. The strength of VDL Groep lies in the mutual cooperation between the companies. Since its founding in 1953, VDL Groep has grown to include 87 operating companies, spread over 19 countries with more than 10,500 employees.



Strength through cooperation



# Piggyback Spreaders



Model	CTH 7200 PIGGYBACK SPREADER
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Lifting capacity	
<i>Container mode</i>	41T +/- 10% loading eccentricity
<i>Piggy-back mode</i>	41T +/- 10% loading eccentricity
Lifting Lugs capacity	4 x 10T
Spreader Tara weight	12.000 kg
	Depending on specifications
Hoisting Speed	Max. 90 m/min
Horizontal acceleration	Max. 0,5 m/sec
Design Criteria	Din 15018 - FEM 1.001 - EN 13001
	2.000.000 Load cycles
Twistlocks	Forged and hardened steel
<i>90° rotation time</i>	4-6 seconds adjustable
Telescoping time 20 to 40ft	≤ 25 seconds
Time piggyback legs up	≤ 30 seconds
Time piggyback legs down	≤ 25 seconds
Max. hydraulic pressure	Aprox. 140 bar
Electrics	
<i>Power supply</i>	3x 400 VAC / 50-60 Hz or otherwise as agreed
<i>Control from crane</i>	Conventional (10-450 VDC/10-450 VAC), Profibus or Canbus
<i>Control on spreader</i>	24 VDC
<i>Power consumption</i>	2x 5,5 kW or less if wanted
<i>Indicator lights</i>	High power LED lights
Surface coating	Powder surface coating, 210µm paint thickness
Main Options	
Flippers	4 corner flippers are available on the spreader
<i>180° rotation time</i>	4-6 seconds adjustable
<i>Torque</i>	Up to 4500 Nm (acting) / 7000 Nm (retaining)
Telescoping positions	All positions from 20 to 40ft possible
Rotator	-95° / +185° rotation
Side shift (Gravity Adjustm.)	+/- 1.200 mm to each side
Memory Positioning	All positions from 20 to 40ft possible
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
	According to "Deutsche Bahn" specifications

The full manufacturing process of VDL Containersystemen is certified with ISO 9001 and 14001 qualification, approved by TÜV.



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