

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.

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Strength through co-operation



Piggyback Spreaders



| Model | CTH 7200 PIGGYBACK SPREADER |
|-------------------------------|--|
| Lifting capacity | |
| Container mode | 41T +/- 10% loading eccentricity |
| Piggy-back mode | 41T +/- 10% loading eccentricity |
| Lifting Lugs capacity | 4x 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 |
| 90° rotation time | 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 | |
| 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 | |
| Flippers | 4 corner flippers are available on the spreader |
| 180° rotation time | 4-6 Seconds adjustable |
| Torque | Up to 4500 Nm (acting) / 7000 Nm (retaining) |
| Telescoping positions | All positions from 20 to 40 ft possible |
| Rotator | -95° / +185° rotation |
| Side shift (Gravity Adjustm.) | +/- 1.200 mm to each side |
| Memory Positioning | All positions from 20 to 40 ft 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 |



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



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