» PRODUCT BROCHURE





STZ-VL | STZ-VH »MPA« V

LOWLOADER TRAILERS

ROBUST AND FLEXIBLE IN DAILY USE

Flexibility is the fundamental requirement when using lowloader trailers in order to be able to transport a wide variety of loads with just one single vehicle. We always take this requirement into account with our forced-steered lowloader trailers, which can be ideally adapted to the respective requirements with various bridge designs and axle systems. Their procurement costs can be therefore reduced long term and the size of the fleet required can be simultaneously kept as low as physically possible.



SIMPLY RELIABLE

06

In the tough daily transport routine, time counts above all. Our STZ-VL and STZ-VH lowloader trailers are perfect for these tasks as they can be simply and rapidly loaded from the front. With increasing weight and volumes of the loaded goods, it is also hereby crucial that the vehicles themselves are as light as possible and at the same time able to carry high payloads. The STZ-VL and the STZ-VH are true champions in this case and they will relieve you of the hardest work.



»MPA« V

LIGHTWEIGHT FOR HEAVY LOADS

80

The »MPA« V is an agile endurance performer for daily use: The design of the »MPA« axle guarantees maximum maneuverability and large axle stroke. The particularly low wear reduces maintenance costs to a minimum and thereby enables maximum availability. Even extremely heavy loads with a high center of gravity do not present a challenge for the »MPA« V.



CONTENT

MASTERING TRANSPORT DIFFICULTIES EASILY AND RELIABLY

You can configure our robust lowloader trailers of the STZ-VL, STZ-VH and »MPA« V series entirely according to your requirements, because the low bridge heights as well as the enormous variety create maximum versatility with extremely high payloads.



MACPHERSON AXLE TECHNOLOGY »MPA«

The axle is extremely maintenance friendly due to the small number of components. In addition, it is designed for high payloads.

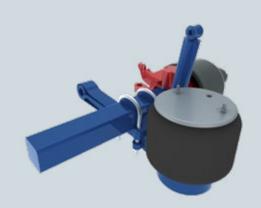
- » Maximum steering angle 60°
- » Axle stroke 350 mm



KNUCKLE TYPE STEERING AXLE AXLE WITH AIR SUSPENSION

The tried and tested axle technology with components from renowned manufacturers ensures a longer service life and high cost-effectiveness.

- » Maximum steering angle 45°
-)) Axle stroke 270 mm





KNUCKLE TYPE STEERING AXLE AXLE WITH HYDRAULIC AXLE COMPENSATION

This robust axle technology enables a longer service life and high vehicle availability. The axle stroke is operated hydraulically and guarantees high lateral stability with large and heavy loads.

- Maximum steering angle 45°
-)) Axle stroke 260 mm



SAFELY TO THE DESTINATION

Always ready for operation: No matter what challenge awaits you on your transport route: You can always rely on the STZ-VL, STZ-VH and »MPA« V series lowloader trailers when high and heavy loads have to be transported safely to their destination.

TRANSPORT TECHNOLOGY MISSION 05



YOUR

- **YOUR** Coupling point between bridge and chassis
- **BENEFITS >>>** Flexible vehicle configuration for a wide variety of applications and maximum pull-out
 - Equipped with various flatbed versions
 - D Customer-specific payload to dead weight ratio
 - Optional equipment with »SmartControl«
 - User-friendly operation of the vehicle

TECHNICAL + Axle load FEATURES (depending

- Axle load (depending on country-
- (depending on country related regulations)
 (technical)
- + Axle stroke STZ-VL STZ-VH
- + Tires
- Vehicle width
- Axle spacing
- + Maximum steering angle
- 260 mm 245/70 R 17,5

10-12 t at 80 km/h

12 t at 80 km/h

270 mm

- 2,550 mm/2,750 mm 1,360 mm/1,510 mm
- 1,300 MM 1,510 MM 45° Angle Angle Dage

STZ-VL | STZ-VHSIMPLY RELIABLE



LOW DEAD WEIGHT



COUPLING POINT BETWEEN BRIDGE AND CHASSIS



SIMPLE OPERATION WITH »SMARTCONTROL«



- + Swing clearance radius 2,100-2,800 mm
- + Hydraulic

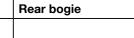
Gooseneck

+ Center beam, Outside position beams



Bridge design

- Flat bed with removable inlay mattresses
- + Construction height 220-350 mm
- + Extension stages Fixed or 1





- + Width excavator excavator trough* 760 mm/960 mm
- + Number of axles 2-4

*Depending on vehicle width





TRANSPORT TECHNOLOGY STZ-VL | STZ-VH 07

12 t at 80 km/h

12 t at 80 km/h

350 mm 245/70 R 17,5



BENEFITS Able to receive loads with reduced angle of slope

- **YOUR** Low height difference between bridge and chassis
 - ✓ Lowest construction heights of the bridges
 - Concentrated loading with maximum stability at the same time
 - ✓ High axle stroke, large steering angle
 - For sensational maneuverability

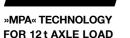
TECHNICAL + Axle load **FEATURES**

- (depending on countryrelated regulations)
- (technical) + Axle stroke
- Tires
- Vehicle width
- 2,550 mm/2,750 mm Axle spacing 1,360 mm/1,510 mm
- + Maximum steering angle

»MPA« V THE LIGHTWEIGHT FOR **HEAVY LOADS**









MAXIMUM STEERING ANGLE **OF 60°**



SIMPLE OPERATION WITH »SMARTCONTROL«



Bridge design Rear bogie Gooseneck + Fifth wheel load Bridge design: + Width excavator trough* Flat bed with removable inlay 604 mm/804 mm 20-35 t + Swing clearance radius mattresses + Number of axles 2-4 2,100-2,800 mm Construction height 220-300 mm + Hydraulic + Center beam, Extension stages Outside position beams Fixed or 1

*Depending on vehicle width



EVEN MORE FLEXIBILITY

By combining the »MPA« V with a front pendular axle bogie, even more payload and ground clearance can be achieved, for example to effortlessly drive around roundabouts or over kerbs.



STZ-VL | STZ-VH | »MPA« V **ACCESSORIES AND OPTIONS**



ACCESSORIES

- GENERAL + Knorr "TIM"/Wabco "Smartboard"
 - + "easyCONTROL" remote steering
 - »SmartControl«
 - + Wide load marker boards
 - + Working lights
 - + Lift axle

- GOOSENECK + Spare wheel carrier
 - + High front wall, can be combined with tarpaulin superstructures
 - + Sidewalls
 - + Premium tool box
 - + Stowage aids for accessories
 - + Electrohydraulic or dieselhydraulic power pack

LOADING PLATFORM

- + Inlay matresses
- + Outriggers
- + Threaded bushes
- + Loading ramp
- + Screwable twist locks

ACCESSORIES AND OPTIONS



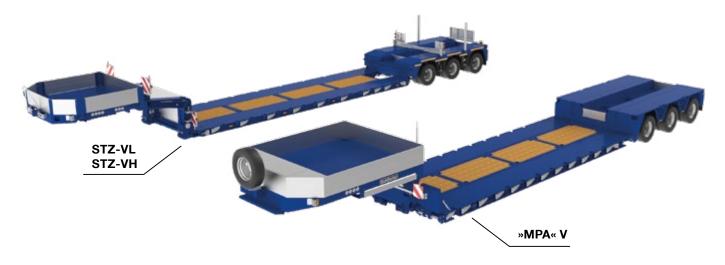
STZ-VL | STZ-VH | »MPA« V TECHNICAL DATA

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TECHNICAL DATA

	STZ-VL	STZ-VH	»MPA« V
Axle load (depending on country-			
related regulations) (technical)	10-12 t at 80 km/h 12 t at 80 km/h	10-12t at 80 km/h 12t at 80 km/h	12 t at 80 km/h 12 t at 80 km/h
Fifth wheel load	20-35 t	20-35 t	20-35 t
Axle stroke	270 mm	260 mm	350 mm
Tires	245/70 R 17,5	245/70 R 17,5	245/70 R 17,5
Vehicle width	2,550 mm/2,750 mm	2,550 mm/2,750 mm	2,550 mm/2,750 mm
Axle spacing	1,360 mm/1,510 mm	1,360 mm/1,510 mm	1,360 mm/1,510 mm
Maximum steering angle	45°	45°	60°
Width excavator trough*	760 mm/960 mm	760 mm/960 mm	604 mm/804 mm
Number of axles	2-4	2-4	2-4
Surface refinement	Durability ensured with high-quality finish with zinc-dust base coat		

*Depending on vehicle width



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Technical data in loaded vehicle condition reserve the right to make design atterations and changes in the sense of technical progress and on the basis of statutory regulations.