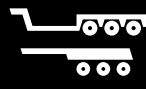




NORTH AMERICA

SEMI LOWLOADERS/LOWBOYS
FLATBED SEMI-TRAILERS



MADE FOR YOUR MISSION





SEMI LOWLOADER AND FLATBED-SEMI-TRAILERS

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SERVICE AND SUPPORT LEAVE IT TO US!

Efficient transport essentially depends on two factors: the vehicle and the personnel. You must always be able to rely on both of them. With a unique combination based on service and training offers, Goldhofer contributes to ensuring that both vehicle and personnel will never let you down.



24H AVAILABLE EMERGENCY HOTLINE

We minimize your operational downtime by ensuring our service staff are ready to assist with a wide range of issues. In the event of an emergency, call our 24-hour hotline.

The staff at Flite Line consider themselves members of each customer's technical support team and are prepared to assist around the clock to guarantee operations stay on track.



FOR 24/7 SUPPORT PLEASE CALL:
Telephone: +1 954-433-5617

USUAL BUSINESS HOURS:
Weekdays: 8:00 am – 6:00 pm (EST)



TRANSPORT ENGINEERING

- + Software programs for transport project management
- + Route surveys
- + Transport support through service engineering

SPARE PARTS

- + Fast availability
- + Local spare parts stock
- + Online electronic spare parts catalogue

REPAIRS

- + Maintenance and repair works
- + General vehicle overhauls
- + Workshop vehicles
- + In-house repair shop

FROM MIRAMAR/FLORIDA

Our professional team in Miramar/Florida can support a wide range of issues such as building and converting vehicles, guiding complex transport cargos, delivering spare parts or carry out on-site repairs.

Our service technicians are all trained by the manufacturer and certified and are readily available to carry out diverse and multifaceted assignments directly on location. We offer after sales support throughout the life of each product we sell and support you actively in terms of maintenance.

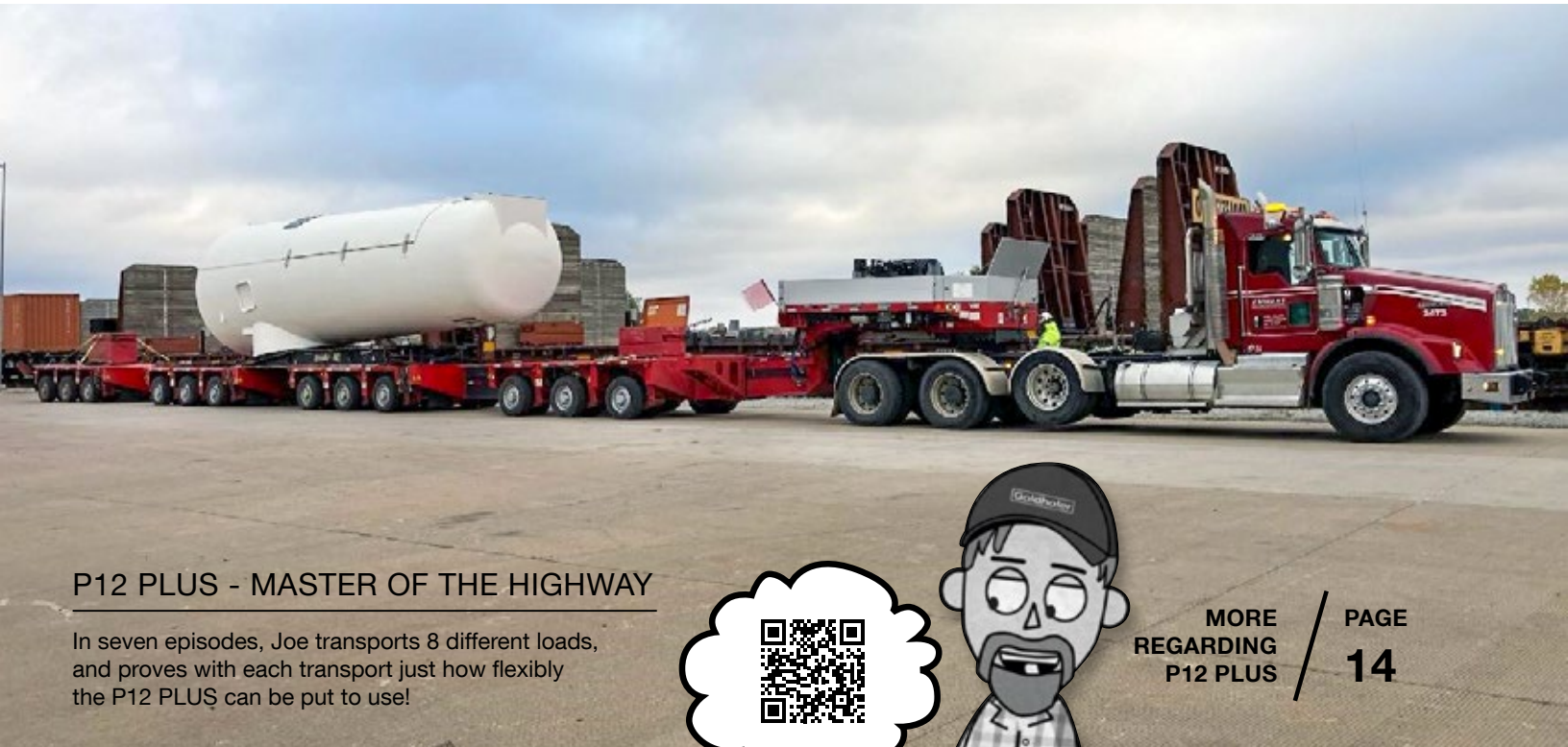
Our approach ensures essential procedures are run early, damage is avoided, and equipment availability is significantly increased.

- + 24-hour service
- + Local service partner
- + Local spare parts supply
- + Technical support
- + Transport advice and trainings by Goldhofer



SEMITRAILERS FOR NORTH AMERICA

With a wide range of semitrailers Goldhofer pays attention to your everyday needs as well as to legal regulations, which differ from the many jurisdictions in North America. You can choose between different axles and steering options, fitting your daily business.



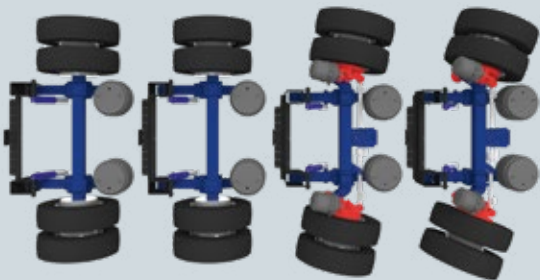
P12 PLUS - MASTER OF THE HIGHWAY

In seven episodes, Joe transports 8 different loads, and proves with each transport just how flexibly the P12 PLUS can be put to use!

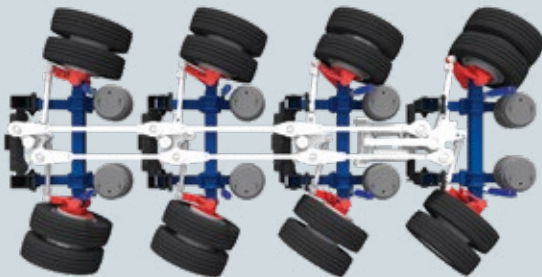
MORE
REGARDING
P12 PLUS

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FRICTION STEERED AXLES WITH AIR SUSPENSION



KNUCKLE-STEERED-AXLES WITH AIR SUSPENSION





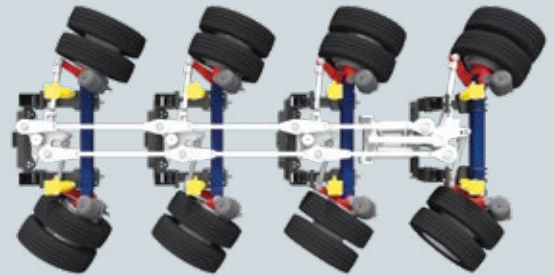
A GIANT FOR AMERICAN HIGHWAYS

The flexible workhorse uses components from premium manufacturers and stands for low maintenance during a long service life. Well thought out features ensure maximum safety and efficiency for your operations.

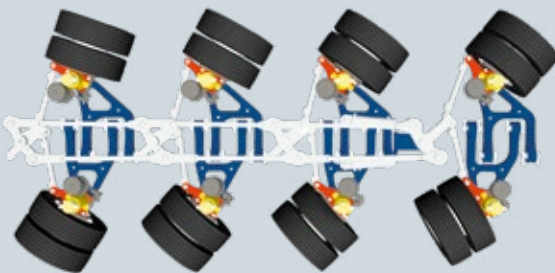
TURNTABLE STEERED AXLES WITH AIR SUSPENSION



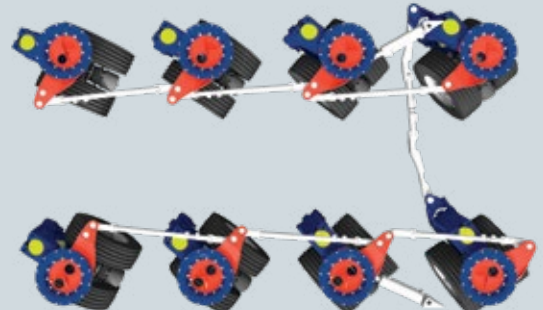
KNUCKLE-STEERED-AXLES WITH HYDRAULIC SUSPENSION



MACPHERSON AXLE TECHNOLOGY »MPA«



STEERED PENDULAR AXLE WITH HYDRAULIC SUSPENSION



TESTED AND PROVEN SOLUTIONS SINCE 1705

For years, the Goldhofer semi lowloaders have proven themselves as reliable partners in the heavy haulage industry. With a choice of various axle technologies, maximum frame strength and extendable decks plus a choice of vehicle widths and various wheelbases, our semi lowloaders set the standard.

SIMPLY RELIABLE

10

In the tough daily transport routine, time counts above all. In order to load and unload various loads as quickly as possible, our STZ-VL lowboy trailer can be driven over from the front. With increasing weight and volumes of the loaded goods, it is also crucial that the vehicles themselves are as light as possible and, at the same time, able to carry high payloads. The STZ-VL is a true champion in this case and it will make your transports safe and efficient.



GIANTS FOR AMERICAN HIGHWAYS

12

Our highway semi lowloaders are tailor-made to the needs of North American transport industry. The axle spacing between the tridem axles can be adjusted to fulfill the various North American regulations. The low driving height makes the shortest permissible route for your wide range of cargos possible.



MIX AND MATCH FOR MORE FLEXIBILITY

14

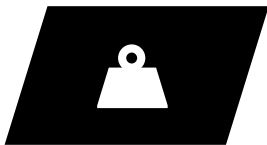
The Goldhofer P12 PLUS is an innovative, flexible, and efficient transportation solution. Due to its modular design, it offers a PLUS of multiple combinations, allowing configuration for any project.





STZ-VL

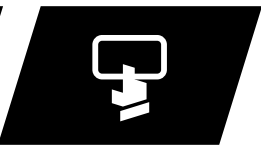
SIMPLY RELIABLE



LOW
DEAD WEIGHT



HORIZONTAL PIN
BETWEEN THE LOW-
DECK AND BOGIE



SIMPLE
OPERATION





YOUR BENEFITS

- ✓ Horizontal pin between lowdeck and bogie
- » Versatile vehicle combinations for the most varied utilizations and maximum extension
- ✓ Can be combined with jeep dollies
- » Simple increase of the payload
- » User-friendly operation of the vehicle



TECHNICAL FEATURES

- + Axle load 22,000-26,400 lbs at 50 mph
(depending on country-related regulations) [10-12 t at 80 km/h]
- + Tires 245/70 R 17.5
- + Vehicle width 8' 4" / 9'
[2,550 mm / 2,750 mm]
- + Axle spacing 5'
[1,525 mm]
- + Maximum steering angle 45°

Gooseneck



Bridge design



Rear bogies



- + Center beam, fifth wheel load 57,300 lbs / 77,100 lbs / 97,000 lbs [26 t / 35 t / 44 t]
- + Outside position beams, fifth wheel load 44,000 lbs / 66,100 lbs [20 t / 30 t]
- + Swing clearance radius 6' 11" - 9' 2" [2,100 - 2,800 mm]
- + Hydraulic

- + Deck design: Flatbed with removable inlay mattresses
- + Construction height 8" - 1' [220 - 300 mm]
- + Rigid
- + Single telescopic

- + Optional Trail King Booster axle
- + Optional Flip Axle
- + Width excavator boom recess* 2' 6" / 3' 1" [760 mm / 960 mm]
- + Axle compensation STZ-VL 10" [270 mm]
- + Number of axles 2-4 axles

*Depending on vehicle width



STZ-P 9

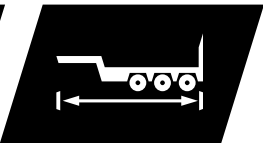
GIANTS FOR NORTH AMERICAN HIGHWAYS



3-AXLE BOGIES
COMPLIANT TO
NORTH AMERICAN
REGULATIONS



COMPREHENSIVE
ACCESSORIES



RETRACTABLE
REAR BOGIE
UNDER LOAD



**YOUR BENEFITS**

- ✓ No assembly/dismantling on site
- » Quickly ready in operation
- ✓ Compliance with the legal requirements for road haulage
- » Universal utilization-capable vehicle
- ✓ Tested and proven Goldhofer axle technology with components from premium manufacturers
- » Low maintenance and long service life

**TECHNICAL FEATURES**

- + Axle load 26,400 lbs [12 t]
- + Loading height 3' 6" (+1' 4" / -8") [1,080 mm (+400 mm / -200 mm)]
- + Axle compensation 2' [600 mm]
- + Tires 245/70 R 17.5
- + Vehicle width 9' 10" [2,990 mm]
- + Maximum steering angle 60°

Gooseneck**Bogie**

- + Fifth wheel load 57,300 lbs [26 t]
- + Swing clearance radius 9' 2" [2,800 mm]
- + Hydraulic
- + Center beam

- + Axle spacing 5' [1,525 mm]
- + Spacing between tridems 23' 9" - 23' 1" [7,250 - 7,045 mm]
- + Extension 2x 18' 1" [2x5,520 mm]

**MAXIMUM EFFICIENCY**

With the use of a tractor the length of the trailer can be shortened by pushing the rear bogie of the STZ-P 9 – even under load (of course it also can be extended again after passing a critical situation). That gives the vehicle the maneuverability and compact size needed to deliver different goods in the shortest possible time.



P12 PLUS

MASTER OF THE HIGHWAY



HIGH TRANSPORT
FLEXIBILITY

LARGE VARIETY
OF COMBINATIONS

EASY
REVERSE DRIVING





YOUR BENEFITS

- ✓ High adaptability
- » Can be individually adapted to any transportation task
- ✓ Multiple modular combinations
- » Innovative design offers optimal dead weight-to-payload ratio in any transportation configuration
- ✓ Ease of operation
- » Easy reverse driving with active automatic steering maximizing efficiency and time-savings



TECHNICAL FEATURES

refer to 12-axle combination of the cover

- + Axle load 26,400 lbs [12 t]
- + Payload 281,000 lbs [127 t]
- + Loading height 3' 7" (+1' 4" / -8") [1,085 mm (+400 mm / -200 mm)]
- + Axle compensation 2' [600 mm]
- + Tires 245/70 R 17.5
- + Vehicle width 9' 10" [2,990 mm]
- + Maximum steering angle 60°

Gooseneck with front bogie



- + Fifth wheel load 57,300 lbs [26 t]
- + Swing clearance radius 9' 2" [2,800 mm]
- + Opt. long gooseneck swing clearance radius 11' 2" [3,400 mm]
- + Hydraulic
- + Center beam
- + Axle spacing 5' [1,525 mm]
- + Spacing between tridems 6' 7" / 14' 1" [2,000 mm / 4,300 mm]
- + Extendability 1x7' 7" [1x2,300 mm]

Intermediate bogies

- + Axle spacing 5' [1,525 mm]
- + Spacing between tridems 6' 7" / 14' 1" [2,000 mm / 4,300 mm]
- + Extendability 2x7' 7" [2x2,300 mm]

Rear bogie

- + Axle spacing 5' [1,525 mm]
- + Spacing between tridems 6' 7" / 14' 1" [2,000 mm / 4,300 mm]



DRAWBAR COMBINATION

Combination with intermediate and rear bogies for even bigger flexibility.

P12 PLUS COMBINATIONS

1. SEMITRAILER COMBINATIONS

Gooseneck with front bogie | rear bogie
Payload 157,000 lbs ^[75 t]



Gooseneck with front bogie | intermediate bogies | rear bogie
Payload 223,000 lbs ^[101 t]



Gooseneck with front bogie | 2 intermediate bogies | rear bogie
Payload 281,000 lbs ^[127 t]



2. DROP DECK COMBINATIONS

Gooseneck with front bogie | excavator deck | intermediate bogie | rear bogie
Payload 192,000 lbs ^[87 t]



3. DRAWBAR COMBINATIONS

Drawbar | intermediate bogie | rear bogie
Payload 119,000 lbs ^[54 t]



Drawbar | 2 intermediate bogies | rear bogie
Payload 175,000 lbs ^[80 t]



4. LONG LOAD COMBINATIONS

Gooseneck with front bogie | 1 intermediate bogie | rear bogie | turntables
Payload 192,000 lbs ^[87 t]



Gooseneck with front bogie | 2 intermediate bogies | rear bogie | turntables
Payload 270,000 lbs ^[122 t]

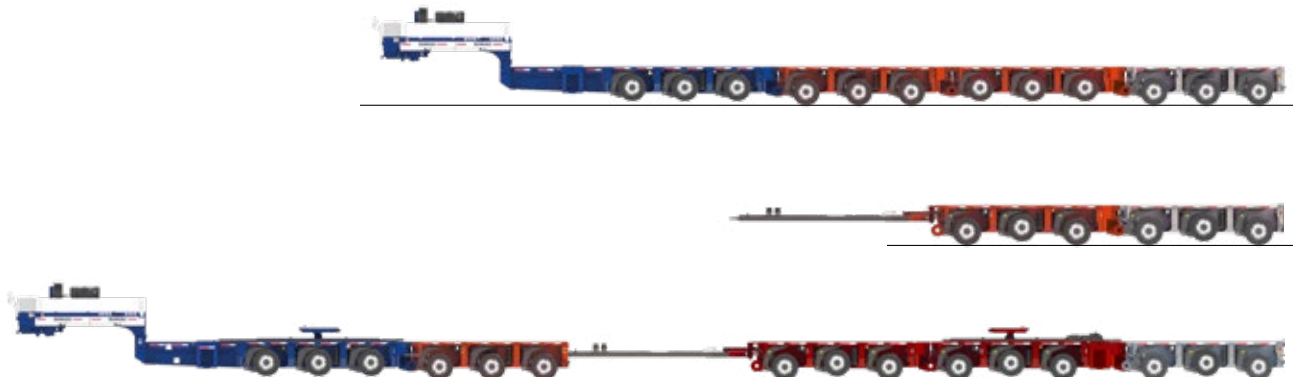


Gooseneck with front bogie | 3 intermediate bogies | rear bogie | turntables
Payload 326,000 lbs ^[148 t]



5. EMPTY RETURN

Axles may be raised when empty (depending on state related regulations).



LOWBOY | SEMI LOWLOADER

ACCESSORIES AND OPTIONS



GENERAL ACCESSORIES	<ul style="list-style-type: none"> + Knorr "TIM"/ Wabco "Smartboard" + "easyCONTROL" remote steering + Storage boxes under the loading platform + Working lights + Lift axle
GOOSENECK	<ul style="list-style-type: none"> + Spare wheel carrier + High front wall + Sidewalls + Premium tool box + Loading ramp + Cable winch + Stowage aids for accessories + Diesel power pack
LOADING PLATFORM	<ul style="list-style-type: none"> + Long material trestle, stanchion pocket strip + Outriggers + Threaded bushings + Load-securing trestle + Sliding table + Insertable wheel recesses
REAR	<ul style="list-style-type: none"> + Various rear designs + Hydraulic ramp sideshift + Climbing pads + Mechanical/hydraulic landing legs + Detachable ramps + Ramps in a variety of widths, lengths and coverings



LOWBOY | SEMI LOWLOADER

TECHNICAL DATA



TECHNICAL DATA

	STZ-VL	STZ-P 9	P12 PLUS
Axle load <i>(depending on country-related regulations)</i>	22,000-26,400 lbs at 50 mph [10-12 t at 80 km/h]	26,400 lbs [12 t]	26,400 lbs [12 t]
Center beam, Fifth wheel load	57,300 lbs/ 77,100 lbs/ 97,000 lbs [26 t/35 t/44 t]	57,300 lbs [26 t]	57,300 lbs [26 t]
Outside position beams, Fifth wheel load	44,000 lbs/ 66,100 lbs/ [20 t/30 t]	—	—
Loading height	depending on the design of the deck	3' 6" (+1' 4"/-8") [1,080 mm (+400 mm/-200 mm)]	3' 7" (+1' 4"/-8") [1,085 mm (+400 mm/-200 mm)]
Axle compensation	10" [270 mm]	2' [600 mm]	2' [600 mm]
Tires	245/70 R 17.5	245/70 R 17.5	245/70 R 17.5
Vehicle width	8' 4"/9' [2,550 mm/2,750 mm]	9' 10" [2,990 mm]	9' 10" [2,990 mm]
Axle spacing	5' [1,525 mm]	5' [1,525 mm]	5' [1,525 mm]
Spacing between tridems	—	23' 9"-23' 1" [7,250-7,045 mm]	6' 7"/ 14' 1" [2,000-4,300 mm]
Extendability	Rigid Single telescopic	2x18.1 ft [2x5,520 mm]	3x 7' 7" [3x2,300 mm]
Maximum steering angle	45°	60°	60°
Width excavator boom recess*	2' 6"/3' 1" [760 mm/960 mm]	—	—
Number of axles	2-4	9	6/9/12



P12 PLUS

NOTHING IS IMPOSSIBLE FLATBED SEMI-TRAILERS

Transporting heavy-duty and longer goods – irrespective of whether the load is crane ballast, crane jibs, trusses or components for wind energy plants, our flatbed semi-trailers are varied and suitable for anything. Equipped with up to five extension stages and a loading length of well over 230' [70m], our flatbed semi-trailer can adapt perfectly to any load. This provides you with the greatest possible flexibility in your operation planning and enables you to react appropriately to any challenge.



PREPARED FOR ANYTHING

24

With a loading deck length of over 180' [55 m], Goldhofer is well prepared for any transportation task. Optionally available with hydraulic axle suspension, our flatbed semi-trailers with air suspension are designed for transporting extreme long loads over the road. Even if it gets tight, these trailers are convincing with their excellent maneuverability. These trailers are available with an offset gooseneck for an ever lower loading deck height and they give you an optimal utilization of your tractor fleet.



WELL OVER 230' [70 m]?

26

Today's loads are getting longer and heavier. The wind power industry, in particular, is developing ever longer rotor blades which continue to push vehicles to their limits – but not with the »VENTUM«. Equipped with five extension stages and the capability to take on loads of well over 230' [70 m], they are well prepared for the future.



MOVING LONG LOADS AND STILL REMAINING MANEUVERABLE

Our flatbed semi-trailers impress with maneuverability in action – no matter how long the load is and what challenges await you on the route. Irrespective of whether concrete beams or steel girders, boilers or wind blades, you can always rely on our vehicles.

BETTER WITH »BLADEX«

The intelligent »BLADEX« scissors lift system is a high-performance supplement for our pendular axle flatbed semi-trailer. Complex and expensive detours or route adjustments are now a thing of the past due to the rail-mounted system:

Even tight curves and obstacles are not a challenge anymore for »BLADEX«. The scissors lift system, with a lift of 33' [10 m], also sets new benchmarks with regards to flexibility:

The length of the flatbed semi-trailer can be reduced when loaded, which enables it to ideally react to any situation and therefore relieves the load on the blade.





MASSSES OF WIND BLADES

A total of 51 wind blades, with a length of up to 213' ^[65 m], were successfully transported by several vehicles of Type SPZ-GL on the Rio Negro in Argentina from a cargo ship via a very small pier to an intermediate storage facility.



LONG LOADS OF ANY KIND

Not only in the field of wind energy, but also in other areas where long loads pose a challenge in daily transport, our flatbed semi-trailers are always ready for the task at hand. If flexibility and high robustness are what is required, then you can always rely on us.



SPZ-L | SPZ-GL

PREPARED FOR ANYTHING



**PRACTICAL
LASHING
CONCEPT**

**COST EFFECTIVE
TRANSPORT
SOLUTION**

**COMPREHENSIVE
ACCESSORIES**



**YOUR
BENEFITS**

- ✓ Up to 3 extension stages
- ✓ Various loading heights
- » Optimized loading area for every utilization

**TECHNICAL
FEATURES**

- + Axle load
(depending on country-related regulations) 26,455 lbs at 50 mph
[12 t at 80 km/h]
- + Loading height 4' (+5"/-2")
[1,235 mm (+140 mm/-60 mm)]
- + Tires 245/70 R 17,5
- + Vehicle width 8' 4"
[2,550 mm]
- + Axle spacing 5' 11"
[1,810 mm]

Gooseneck**Bogie**

- + Fifth wheel load
57,300 lbs [26 t]
- + Swing clearance
radius
9' 2" [2,800 mm]

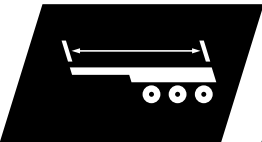
- + Single to triple telescopic
- + Number of axles 3-4
- + Axle compensation:
SPZ-L | SPZ-GL: 8" [200 mm]

**MAXIMUM FLEXIBILITY**

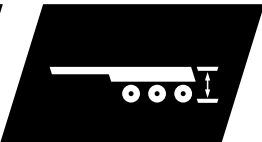
Our flatbed semi-trailer always demonstrates its complete performance capability, not just when transporting wind energy components.



»VENTUM« WELL OVER 230' ?



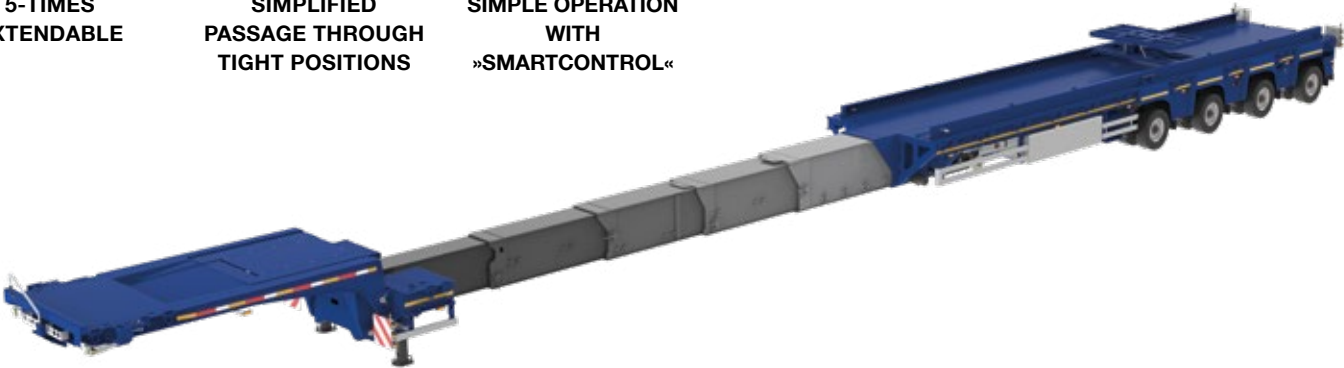
5-TIMES
EXTENDABLE



SIMPLIFIED
PASSAGE THROUGH
TIGHT POSITIONS



SIMPLE OPERATION
WITH
»SMARTCONTROL«





YOUR BENEFITS

- ✓ 5-times extendable
- ✓ Suitable for 5-axle tractor unit
- » Ready for transporting the longest wind blades
- ✓ Enormous lift in gooseneck and in the bogie
- » Simplified passage through tight positions such as tunnels or roundabouts without any conversion work



TECHNICAL FEATURES

- | | |
|---------------------|---|
| + Axle load | 26,500 lbs at 50 mph
[12 t at 80 km/h] |
| + Loading height | 4' 1"
[1,240 mm] |
| + Axle compensation | 2'
[600 mm] |
| + Tires | 245/70 R 17,5 |
| + Vehicle width | 9'
[2,750 mm] |
| + Axle spacing | 6'
[1,810 mm] |



Gooseneck	Telescopic tubes	Loading area
+ Fifth wheel load 73,800 lbs [33,5 t] + Swing clearance radius 11' 2" [3,400 mm]	+ 5-times extendable	+ Number of axles 3-4

SPZ-FAMILY

ACCESSORIES AND OPTIONS



GENERAL ACCESSORIES

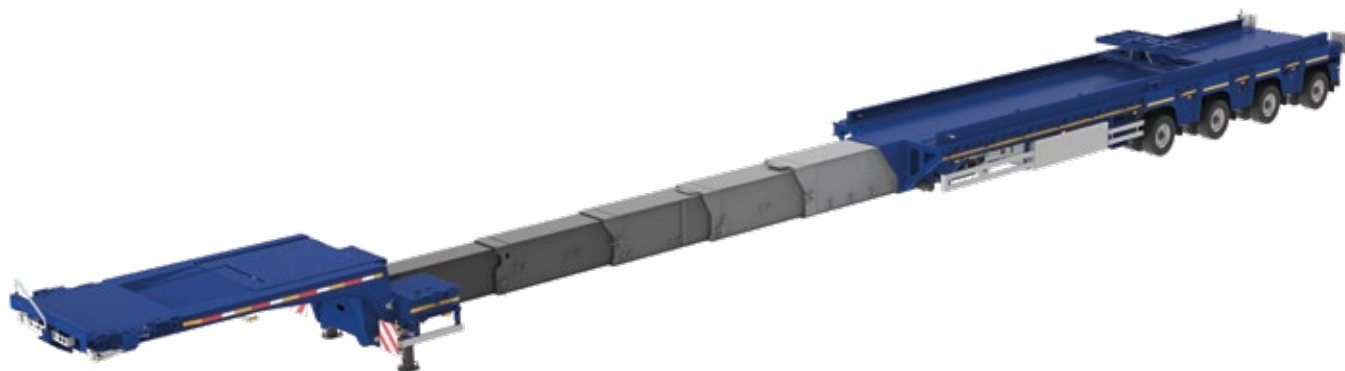
- + Knorr "TIM"/Wabco "Smartboard"
- + Radio remote control
- + Storage boxes under the loading platform
- + Working lights
- + Lift axle
- + Dieselhydraulic power pack

GOOSENECK

- + Spare wheel carrier
- + High front wall
- + Toolbox

LOADING AREA

- + Stake pocket strip
- + Threaded bushes
- + Load-securing trestle
- + Twist locks
- + Rail system including sliding table
- + »BLADEX«



SPZ-P »VENTUM«

SPZ-FAMILY

TECHNICAL DATA



TECHNICAL DATA

	SPZ-L SPZ-GL	»VENTUM«
Axle load <i>(depending on country-related regulations)</i>	26,455 lbs at 50 mph [12 t at 80 km/h]	26,455 lbs at 50 mph [12 t at 80 km/h]
Fifth wheel load	57,320 lbs [26 t]	73,800 lbs [33.5 t]
Loading height	4' (+5"/-2") [1,235 mm (+140 mm/-60 mm)]	4' 1" [1,240 mm]
Axle compensation	8" [200 mm]	2' [600 mm]
Axle spacing	6' [1,810 mm]	6' [1,810 mm]
Tires	245/70 R 17,5	245/70 R 17,5
Vehicle width	8' 4" [2,550 mm]	9' [2,750 mm]
Extendability	Single to triple telescopic	5-times extendable
Number of axles	3-4	3-4

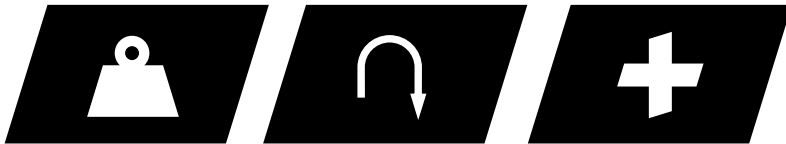


SPZ-L | SPZ-GL



»BLADES«

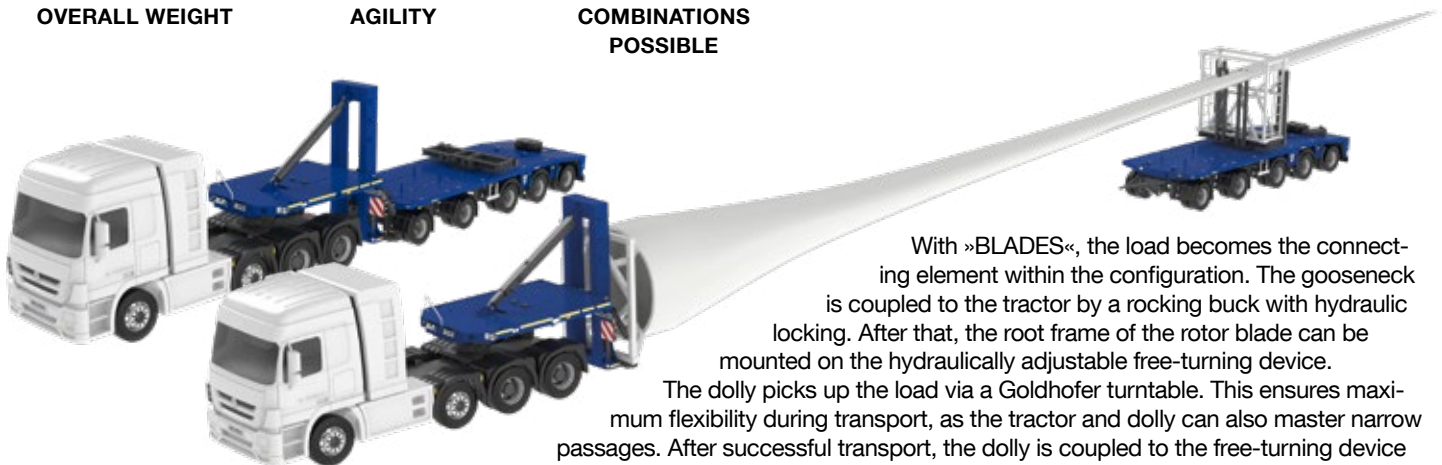
LIGHTWEIGHT, FLEXIBLE AND ECONOMICAL



LOW
OVERALL WEIGHT

HIGH
AGILITY

MULTIPLE
COMBINATIONS
POSSIBLE



With »BLADES«, the load becomes the connecting element within the configuration. The gooseneck is coupled to the tractor by a rocking buck with hydraulic locking. After that, the root frame of the rotor blade can be mounted on the hydraulically adjustable free-turning device. The dolly picks up the load via a Goldhofer turntable. This ensures maximum flexibility during transport, as the tractor and dolly can also master narrow passages. After successful transport, the dolly is coupled to the free-turning device with an adapter and can travel as a semi-trailer to the next operation.

**YOUR BENEFITS**

- ✓ High ground clearance under the rotor blade
- » Easy negotiation of obstacles on the route
- ✓ Low overall weight and less fuel consumption
- » Reduced overall transport costs
- ✓ Transports with rotor blades over 230' possible
- » Flexible, future-proof transport solution

**TECHNICAL FEATURES**

+ Dead weight	10,000 lbs [4.6 t]
+ Dead weight root frame adaptor	660-1,100 lbs [0.3 t - 0.5 t]
+ Capacity	55,000 lbs [25 t]
+ Swing clearance radius	9' 2" [2,800 mm] [1] 11' 2" [3,400 mm] [2]
+ Hydraulic stroke	4' 5" [1,350 mm] [1] 5' 5" [1,650 mm] [2]

**SN-L****THP/SL (4-axle)*****TECHNICAL DATA (DOLLY)**

Axle load (depending on country-related regulations)	22,000-26,000 lbs at 50 mph [10-12 t at 80 km/h]	26,000-40,000 lbs at 50 mph [12-18 t at 80 km/h]
(technical)	26,000 lbs at 50 mph [12 t at 80 km/h]	99,000 lbs at 0.6 mph [45 t at 1 km/h]
Axle stroke	7" [190 mm]	2' [600 mm]
Tires	Twin tires 245/70 R 17.5	Twin tires 215/75 R 17.5
Dead weight	SN-L 4 18,000 lbs [8 t] SN-L 5 22,000 lbs [9.8 t]	31,000 lbs [13.9 t]
Vehicle width	8' 4" [2,550 mm]	9' 10" [3,000 mm]
Maximum steering angle	± 50°	± 55°

Goldhofer



NORTH AMERICA'S LEADING PROVIDER OF TRANSPORT TECHNOLOGY EQUIPMENT

From small excavators to wind blades, compact transformers, bulky machinery to mining machinery and parts to petrochemical plants: Without a doubt, our vehicles are operation-oriented and optimally adapted to the respective requirements of your transport tasks.



WWW.GOLDHOFER.COM

GOLDHOFER INC.

7401 Riviera Boulevard, Miramar, FL 33023, USA
Telephone: +1 954 433 5617, Fax: +1 954 433 5445
Web: www.flitelineusa.com, E-Mail: info.usa@goldhofer.com

SALES

Telephone: +1 954-433-5617
E-Mail: info.usa@goldhofer.com

GOLDHOFER AKTIENGESellschaft

Donaustrasse 95, 87700 Memmingen/Germany
Telephone: +49 8331 15-0, Fax: +49 8331 15-239
Web: www.goldhofer.com, E-Mail: info@goldhofer.com

SERVICES AND SPARE PARTS

Telephone: +1 954-433-5617
E-Mail: parts.usa@goldhofer.com

MADE FOR YOUR MISSION