



# THP/SL-FAMILY

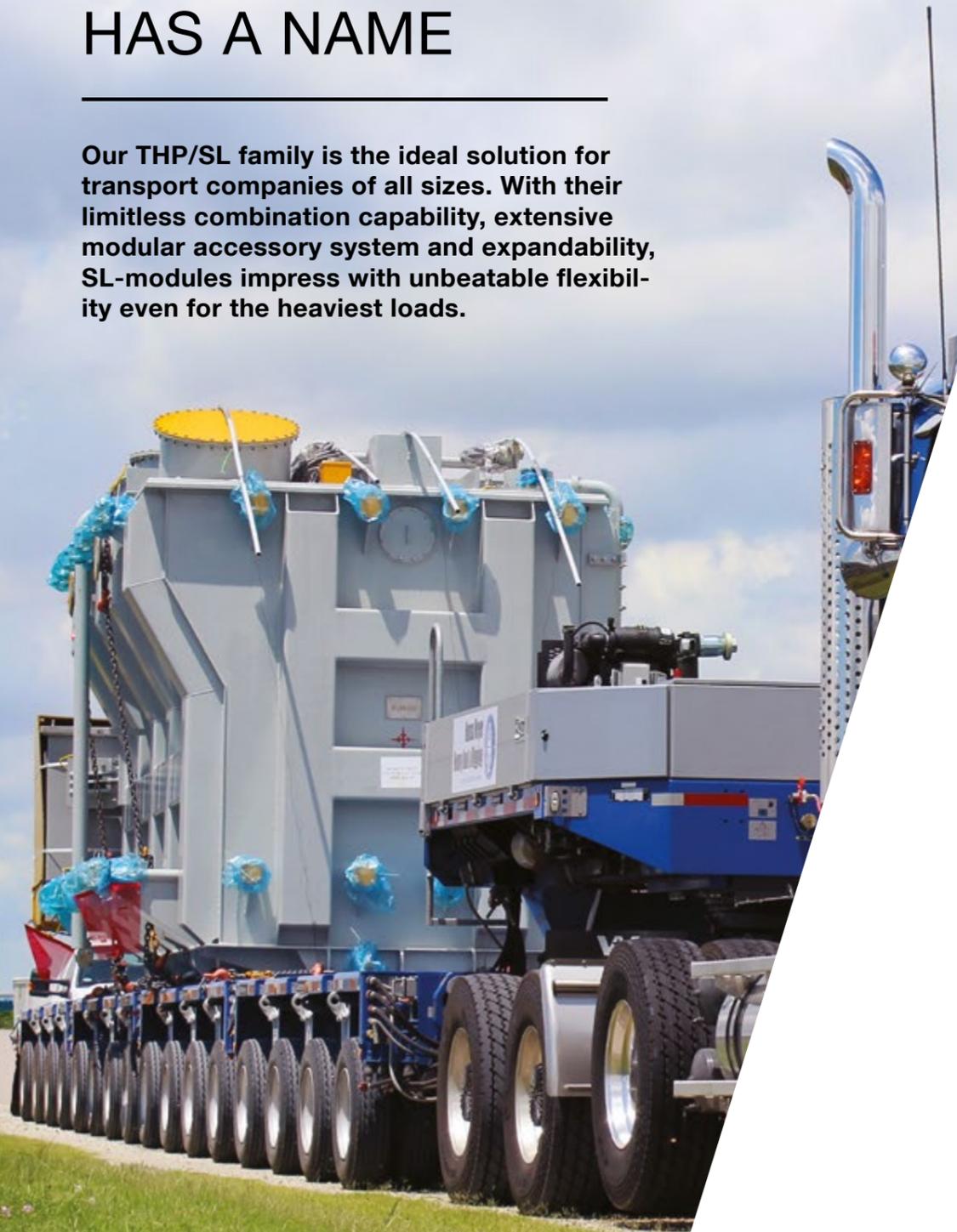
HEAVY-DUTY MODULES (TOWED)



MADE FOR YOUR MISSION

# THP/SL-FAMILY HEAVY-DUTY HAULAGE HAS A NAME

Our THP/SL family is the ideal solution for transport companies of all sizes. With their limitless combination capability, extensive modular accessory system and expandability, SL-modules impress with unbeatable flexibility even for the heaviest loads.



THP/SL-S

## A LIGHTWEIGHT FOR THE HEAVIEST LOADS

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The low dead weight and the lowloader variants of our THP/SL-S lightweight types enable motorway travel and crossing bridges which are normally only possible with detours with heavier systems. This means that higher payloads can be transported at the same time.



THP/SL-L

## LIGHT WORK FOR TRANSPORTATION

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THP/SL-L modules unfold their full strength in road transport for particularly heavy loads. Loading goods and cargo are getting heavier, larger, and all above, higher. This requires a low dead weight and a low construction height of, for example, loading decks with a simultaneously high bending moment.



THP/SL

## THE ORIGINAL

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THP/SL – the synonyme for heavy-duty transport. Our original does not need any description because our customers around the world already trust in THP/SL modules. They are always used when heavy-duty loads have to be moved when high bending moment is required. The THP/SL provides a solution for any transport requirements due to a wide range of possible variations, such as split modules and a huge range of accessories.



# THP/ SL-FAMILY IN USE

Loads of several thousand tons? No problem with the heavy-duty modules from the THP/SL family. The THP/SL family has proven itself to be unbeatable in use due to its almost unlimited combination possibilities and the optimum ratio of payload to axle load.



## THE ORIGINAL: GOLDHOFER IS WORLD MARKET LEADER

With the cumulative experience gained from well over 16,000 axle lines in use worldwide, you can be sure that vehicles from our THP/SL family will never let you down.

MORE REGARDING  
THE TYPE  
THP/SL / PAGE  
**10**

## GOLDHOFER PENDULAR AXLE WITH BALL BEARING RACE RING

The tried and tested Goldhofer pendular axle technology for the THP/SL family is based on components from premium manufacturers and enables axle loads of up to 45 t and a hydraulic axle compensation of 600 mm. The low-maintenance and robust slewing ring bearing unit is bolted directly to the frame and is therefore particularly advantageous in use on hard terrain.

- 1 – Steering lever for the mechanical steering system
- 2 – Slewing ring bearing
- 3 – Hydraulic cylinder
- 4 – Wheel suspension
- 5 – Brake cylinder



## HIGH PAYLOAD

Heavy-duty modules from the THP/SL family achieve axle loads of up to 45 t. Due to the optimum ratio of payload to axle load, the high bending torque and the low dead weight of all SL modules. Difficult transport tasks are made easy.



## ARBITRARILY COMBINABLE

All THP modules can be combined with Goldhofer components - such as goosenecks, turntables, flatbed or excavator decks. The combination with other heavy-duty modules such as the »ADDRIVE« or vehicles of type PST/SL and PST/SL-E is also easy. This flexibility makes it possible to create exactly the combination which is most economical for the current transport task.



- YOUR BENEFITS**
- ✓ Extremely low dead weight
  - » Very high payloads
  - ✓ Various tire sizes
  - » Ideal adjustment for loading height or more robust site utilization
  - ✓ Widest-possible track in the SL-family
  - » Higher lateral stability

**TECHNICAL FEATURES**

+ Single tires <sup>[1]</sup>	245/70 R 17,5
+ Axle load <sup>[1]</sup>	15.6 t at 20 km/h
+ Dead weight (4-axes) <sup>[1]</sup>	9.6 t
<hr/>	
+ Single tires <sup>[2]</sup>	285/70 R 19,5
+ Axle load <sup>[2]</sup>	23 t at 10 km/h
+ Dead weight (4-axes) <sup>[2]</sup>	10.2 t
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+ Maximum steering angle	± 55°
+ Vehicle width	3,000 mm

# THP/SL-S

## A LIGHTWEIGHT FOR THE HEAVIEST LOADS

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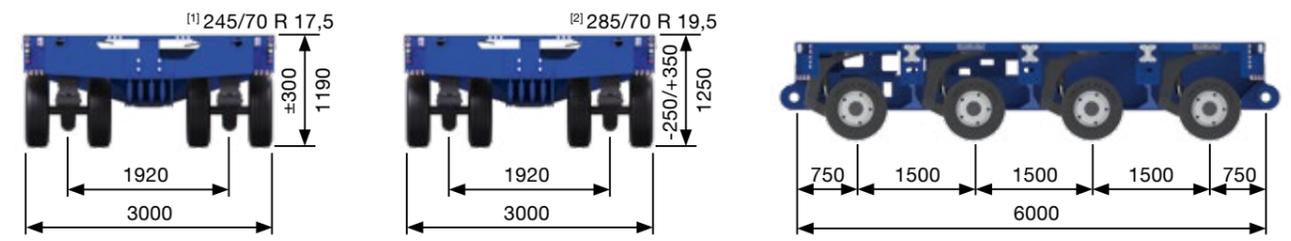
**LOW DEAD WEIGHT**
- 

**PENDULAR AXLE WITH BALL BEARING RACE RING**
- 

**UNIVERSALLY COMBINABLE**



**APPLICATION EXAMPLE**  
 THP/SL-S (5+4) transporting a steel component. Accessories such as excavator bridges can be used flexibly, also to extend the loading area as in this example.





- YOUR BENEFITS**
- ✓ Ideal combination between dead weight and bending moment
  - » Optimized for on road operation with limited axle loads
  - ✓ Combinable with other heavy-duty modules from the SL-family
  - » Extension and higher flexibility for the vehicle fleet
  - ✓ Maximum possible closed loading area
  - » Higher torsional stiffness and working safety

**TECHNICAL FEATURES**

+ Twin tires	215/75 R 17,5
+ Axle load	26.1 t at 20 km/h
+ Dead weight (4-axes)	11.1 t
+ Vehicle width	3,000 mm
+ Maximum steering angle	± 55°
+ Optional: Split version	

# THP/SL-L LIGHT WORK FOR TRANSPORTATION



**HIGH TRANSPORT FLEXIBILITY**



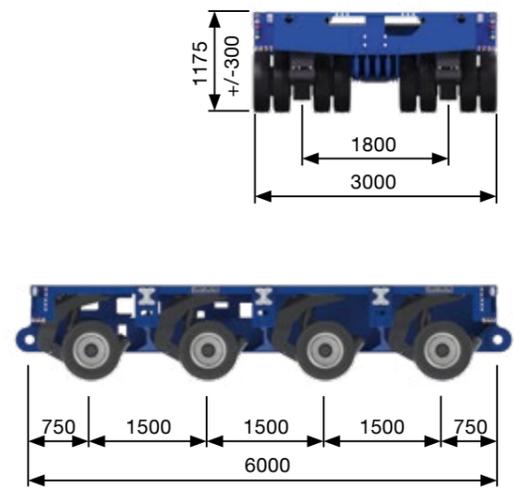
**PENDULAR AXLE WITH BALL BEARING RACE RING**



**UNIVERSALLY COMBINABLE**



**THP/SL-L 7 (3+4) WITH VESSEL DECK**  
Combination example: All vehicles of the SL-family can be combined with a comprehensive modular accessory system



**WORLDWIDE USE UNDER THE TOUGHEST CONDITIONS**  
This application in South Africa impressively demonstrates the efficiency of a THP/SL-L combination.





- YOUR BENEFITS**
- ✓ Strong frame and coupling concepts
  - » For the most extreme heavy-duty transport on the road and off road
  - ✓ Efficient ad-on for self-propelled heavy-duty modules
  - » Economical solution for increasing the payload and maximum utilisation



<b>TECHNICAL FEATURES</b>	+ Twin tires	215/75 R 17,5
	+ Axle load	45 t at 1 km/h
	+ Dead weight (4-axes)	13.85 t
	+ Vehicle width	3,000 mm
	+ Maximum steering angle	± 55°
	+ Optional: Split version	

# THP/SL THE ORIGINAL



AXLE LOAD OF UP TO 45 t



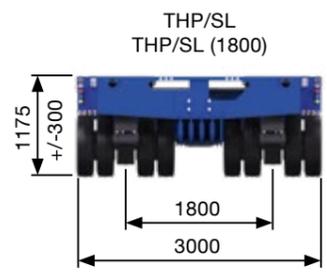
PENDULAR AXLE WITH BALL BEARING RACE RING



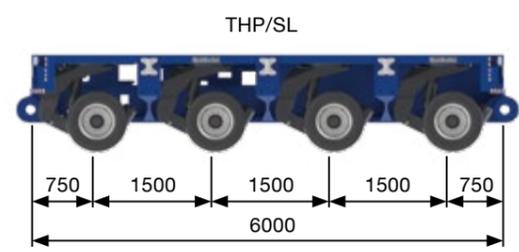
UNIVERSALLY COMBINABLE



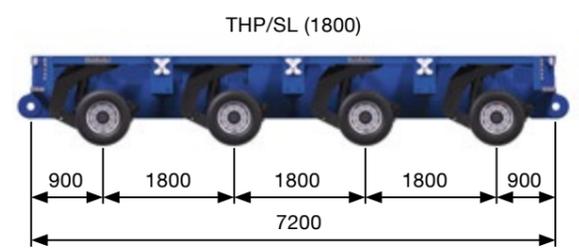
**FLEXIBLY COMBINABLE**  
Transport of a steel tower segment for an offshore wind turbine on a 22-axle THP/SL combination.



TRANSPORT TECHNOLOGY



THP/SL



THP/SL



**BEST PERFORMANCE CAPABILITY FOR ANY LOAD**

Due to the extensive range of accessories, the THP/SL heavy-duty modules can be flexibly adapted to the specifications of the load, as shown here with a parallel combination (1+1/2).



Exemplary rendering



# THP/SL FAMILY ACCESSORIES AND OPTIONS

<b>+</b>	<b>GENERAL ACCESSORIES</b>	<ul style="list-style-type: none"> <li>+ Hydraulic power pack Hatz 10 kW/13.6 PS Kohler 17.9 kW/24.3 PS</li> <li>+ Operating panel</li> <li>+ Cable remote control</li> <li>+ Radio remote control</li> </ul>
	<b>TOWING EQUIPMENT</b>	<ul style="list-style-type: none"> <li>+ Swivel arm for single widths</li> <li>+ Center towing device for parallel combination (1+1/2)</li> <li>+ Center towing device for parallel combination (1+1)</li> <li>+ Drawbar 2 m, 3 m and 5 m</li> </ul>
	<b>GOOSENECK</b>	<ul style="list-style-type: none"> <li>+ Combination gooseneck 35 t</li> <li>+ Universal gooseneck 35 t, 45 t and 52 t</li> </ul>
	<b>TURNTABLE</b>	<ul style="list-style-type: none"> <li>+ 100 t/200 t<sup>[2]</sup></li> <li>+ 300 t/400 t<sup>[2]</sup></li> <li>+ 600 t<sup>[2]</sup></li> </ul>
	<b>FLATBED DECK</b>	<ul style="list-style-type: none"> <li>+ Construction height 250 mm / 300 mm</li> <li>+ Length 7,000-12,000 mm<sup>[1]</sup></li> <li>+ With/without coupling point, overrideable/non-overrideable</li> </ul>
	<b>VESSEL DECK</b>	<ul style="list-style-type: none"> <li>+ Construction height 450 mm, 500 mm or 650 mm</li> <li>+ Length 7,000-13,000 mm<sup>[1]</sup></li> <li>+ Width 3,000-6,000 mm</li> <li>+ Fixed or extendable</li> </ul>
	<b>EXCAVATOR DECK</b>	<ul style="list-style-type: none"> <li>+ Construction height 350 mm, 450 mm or 500 mm</li> <li>+ Length 7,000-13,000 mm<sup>[1]</sup></li> <li>+ Fixed or extendable</li> </ul>
	<b>SPACER</b>	<ul style="list-style-type: none"> <li>+ 8,000-15,000 mm (depending on version extendable up to 40,000 mm)</li> <li>+ Extension stages 1-4</li> </ul>
	<b>INTERMEDIATE DECK</b>	<ul style="list-style-type: none"> <li>+ Length 3,000 mm – 9,000 mm</li> </ul>
	<b>BLADE TRANSPORT DEVICE</b>	<ul style="list-style-type: none"> <li>+ FTV 550</li> </ul>
	<b>HIGH GIRDER BRIDGE</b>	<ul style="list-style-type: none"> <li>+ »FAKTOR« 5.5</li> <li>+ »FAKTOR« 5</li> </ul>
	<b>TOWER ADAPTER</b>	<ul style="list-style-type: none"> <li>+ RA 2</li> <li>+ RA 3</li> <li>+ RA 4</li> </ul>

<sup>[1]</sup> Special lengths from 3,000-15,000 mm on request  
<sup>[2]</sup> Capacity per turntable

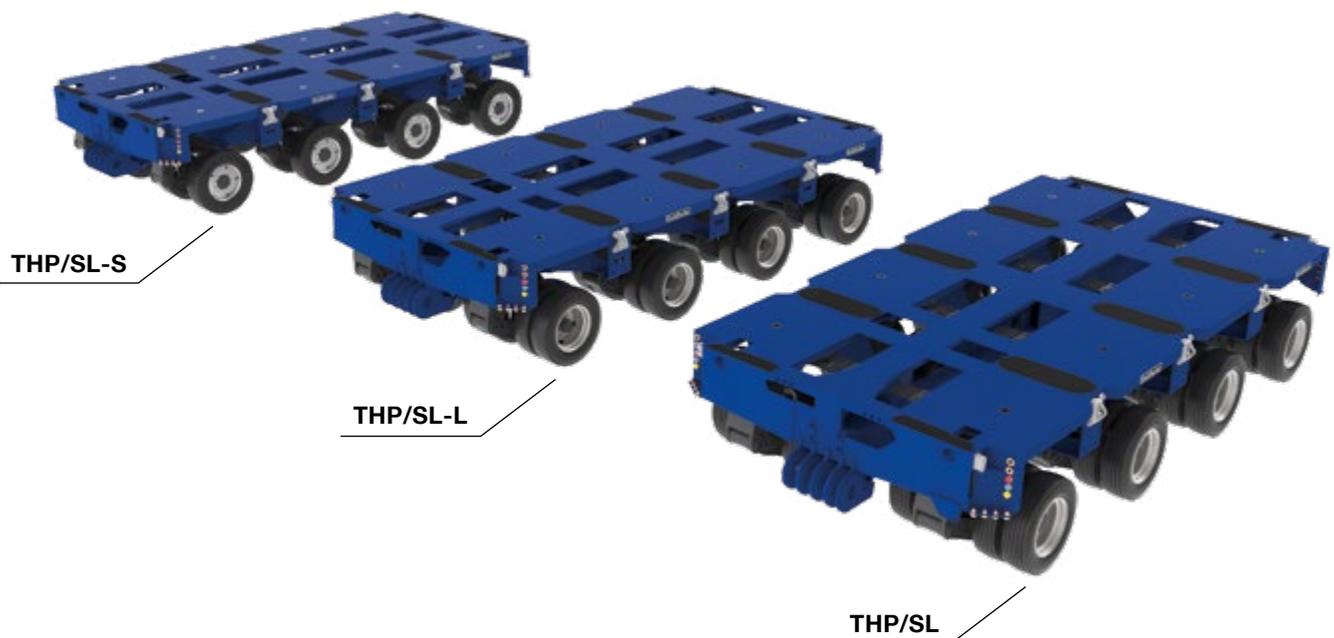
## THP/SL FAMILY TECHNICAL DATA



### TECHNICAL DATA

	THP/SL-S	THP/SL-L	THP/SL THP/SL (1800)
Tires	Single tires 245/70 R 17,5 <sup>[1]</sup> 285/70 R 19,5 <sup>[2]</sup>	Twin tires 215/75 R 17,5	Twin tires 215/75 R 17,5
Axle load	15.6 t at 20 km/h <sup>[1]</sup> 23 t at 10 km/h <sup>[2]</sup>	26.1 t at 20 km/h	45 t at 1 km/h
Axle compensation	600 mm	600 mm	600 mm
Dead weight (4-axles)	9.6 t <sup>[1]</sup> 10.2 t <sup>[2]</sup>	11.1 t	13.85 t
Vehicle width	3,000 mm	3,000 mm	3,000 mm
Axle spacing	1,500 mm	1,500 mm	1,500 mm 1,800 mm
Maximum steering angle	± 55°	± 55°	± 55°
Number of axles	2-8	2-8	2-8

<sup>[1]</sup> Tires 245/70 R 17,5 <sup>[2]</sup> Tires 285/70 R 17,5



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