

A large, white, modular industrial structure is being transported on a multi-axle heavy-duty trailer. The structure has a curved, ribbed design and a platform with railings on top. A crane is visible above the structure. The trailer has multiple axles with large tires. The background shows a clear blue sky with some clouds and a distant industrial area.

Goldhofer

PST/SL-E
PST/SL-ES
PST/ES-E



HEAVY-DUTY MODULES (SELF-PROPELLED)

PRECISION ARTISTS WE TAKE IT EXTREMELY SERIOUSLY

The largest and heaviest loads must often pass through extreme bottlenecks or be positioned with millimeter precision at their destination. Such situations mean that you must be able to rely completely on your vehicle. You can put your trust in our precision artists and always have a clear conscience because you can utilize them to get every load to its destination precisely and safely.

PST/SL-E THE ALL-ROUNDER

When self-propelled vehicles are utilized, they normally must be able to transport various loads – and it is therefore necessary to determine the transport combination to the load in the best possible way. PST/SL-E can be combined with all vehicles of the SL-family, regardless of whether they are intended

to be self-propelled or towed heavy-duty modules. Combined with its enormously high traction force and electronic multiway steering, the PST/SL-E is always your vehicle of choice when exceptional performance and maximum flexibility are required.

06

PST/SL-E SPLIT WITH DRIVEN AXLES

The Goldhofer PST/SL-E split with driven axles offers an ideal solution for demanding transportation tasks. With enormous tractive force and electronic multi-way steering, it guarantees exceptional performance and maximum flexibility. Whether transporting rotor blades in the wind industry or other

heavy loads - the PST/SL-E split adapts perfectly to any challenge thanks to its versatile combination options. Maximum precision and safety are guaranteed even with extreme loads.

08

PST/SL-ES THE STRONGEST MODULE

Modern heavy transport operations face a growing conflict between maximum stability and high manoeuvrability. With the PST/SL-ES (285), Goldhofer solves this challenge in a new way. The heavy-duty module enables a variable track width under load, allowing it to adapt flexibly to changing transport requirements. Combined with an exceptionally high bending moment, an axle load of 48.4t

and a tractive force of 162 kN, the PST/SL-ES (285) opens up new possibilities for transport concepts that previously could only be realized with significantly wider vehicle combinations.

10

PST/ES-E STABLE PERFORMANCE

Even more economical fleet mobilization with our self-propelled PST/ES-E Type vehicles: Due to their unique design, they can also be transported in flat racks with their basic width of 2,430 mm. Depend-

ing on the model selected, they can additionally achieve axle loads of up to 60t so that even smaller combinations can move heavier and larger loads.

14

EXACT MANEUVERING FOR THE HEAVIEST LOADS

There is nothing that our electronically-steered self-propelled vehicles cannot overcome. Equipped with their extraordinary tractive force and the tried and tested Goldhofer quality, these vehicles enable safe transport of any load – even when the route is extremely challenging.

MORE ABOUT
THE TYPE
PST/SL-ES

PAGE
10

GOLDHOFER DRIVEN PENDULAR AXLE WITH BALL BEARING RACE RING

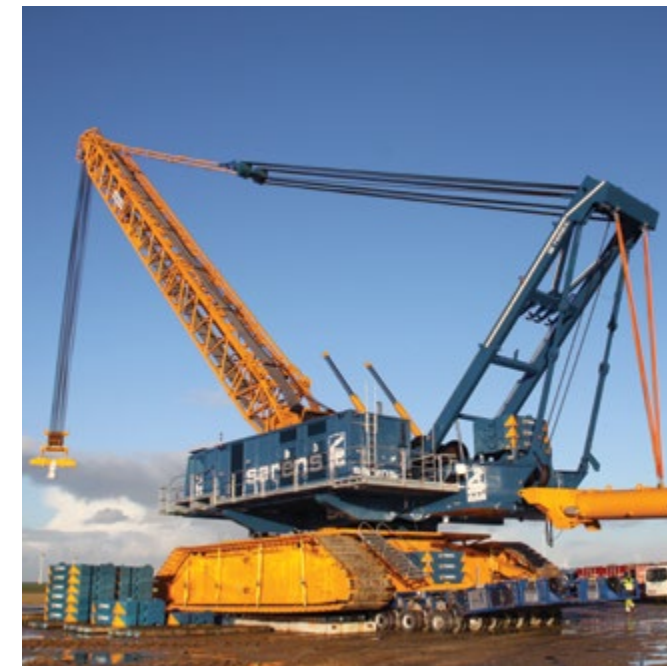
The tried and tested Goldhofer pendular axle technology for our self-propelled vehicles is based on components from premium manufacturers and enables axle loads of up to 60 t (depending on vehicle type) and a hydraulic axle stroke of 700 mm.

- 1 - Slew ring bearing
- 2 - Rotary drive
- 3 - Hydraulic cylinder
- 4 - Axle with drive unit



EXTREMELY EFFICIENT

The enormous tractive force of our self-propelled PST/SL-E and PST/ES-E types makes light work of inclines. In addition, there is the extraordinarily robust construction which means that even demanding loads can be easily transported.



FLEXIBLY COMBINED

Special loads frequently require to be positioned independently at different pick-up points. The electronic synchronization fitted into our PST/SL-E and PST/ES-E vehicles enables flexible load handling, while usually requiring only one operator to control the transport combination.



MAXIMUM PRECISION

The larger the load involved, the more complicated the manoeuvring – this fact is supported by our PST/SL-E and PST/ES-E heavy-duty driven modules with their electronic multiway steering: With a steering angle of $\pm 135^\circ$, the last millimeter of space can also be utilized.

PST/SL-E THE ALL-ROUNDER

YOUR BENEFITS

- ✓ Extremely high bending moment
- » Best possible safety margin, even with extreme loads
- ✓ Very low loading height
- » Reduction of the height of the center of gravity for increased safety
- ✓ Use of standard tires
- » High availability globally and lower operational costs

TECHNICAL DATA

- + Twin tires
 - + Axle load
 - + Dead weight (4-axles)
 - + Electronic multiway steering
 - + Traction force
- (per driven axle line)
- 215/75 R 17.5
45 t at 1 km/h
17.1 t
± 135°
180 kN



**EXTREMELY
ROBUST VEHICLE
FRAME**



**ELECTRONIC
SYNCHRONIZATION**



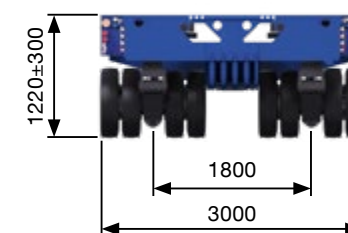
**VARIOUS
COMBINATION
POSSIBILITIES**



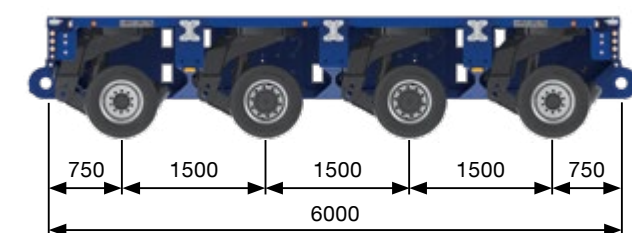
**HEAVY-DUTY MODULES
(SELF-PROPELLED)**



PST/SL-E in use



PST/SL-E



07

PST/SL-E SPLIT WITH DRIVEN AXLES

YOUR BENEFITS

- ✓ Various vehicle widths over 3,000 mm
- » Higher side stability and adaptability to different loading situations
- ✓ Split vehicle with driven axle lines
- » More traction force for the entire combination
- ✓ Vehicle can be used without restriction in 3,000 mm width
- » Most flexible product for the vehicle fleet

TECHNICAL DATA

- + Twin tires
 - + Axle load
 - + Dead weight
 - + Electronic multiway steering
 - + Traction force
- (per driven axle line)
- 215/75 R 17.5
45 t at 1 km/h
18.4 t
± 135°
180 kN



VARIOUS VEHICLE
WIDTHS



SPLIT MODULE WITH
DRIVEN AXLE



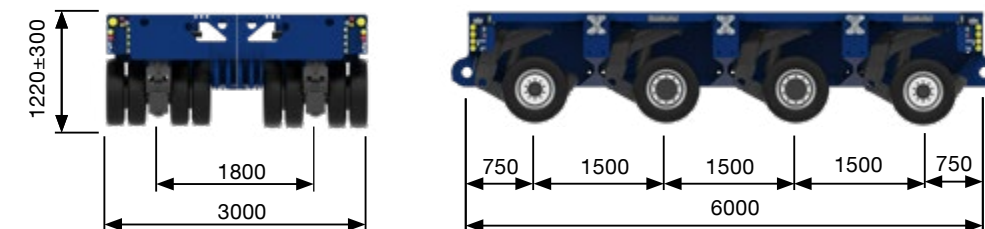
FULLY COMBINABLE
WITH SL FAMILY



HEAVY-DUTY MODULES
(SELF-PROPELLED)



ALSO AVAILABLE AS A 6-AXLE VERSION



FURTHER APPLICATIONS



Parallel combination P (1 + 1/2)



Parallel combination P (1/2 + 1/2)



PST/SL-ES (285) THE STRONGEST MODULE

YOUR BENEFITS

- ✓ Variable track width under load
- » Optimal balance between lateral stability and manoeuvrability during transport
- ✓ Track width adjustment at the push of a button
- » Quick adaptation to different route sections without modification work
- ✓ High lateral stability even at a basic width of 3,000 mm
- » Lateral stability on the level of significantly wider parallel combinations
- ✓ Safe transport with a compact vehicle configuration
- ✓ Maximized bending moment
- » Heavy and compact loads can be transported in single-width configuration

TECHNICAL DATA

+ Single tires	285/70 R 19.5
+ Axle load	48.4 t at 1 km/h
+ Traction force (<i>per driven axle line</i>)	162 kN
+ Basic width	3,000 mm
+ Track width (basic width)	2,080 mm
+ Track width (extended)	2,380 mm
+ Axle spacing	1,500 mm
+ Axle compensation	± 325 mm



**ENORMOUS
STABILITY EVEN AT
BASIC WIDTH**



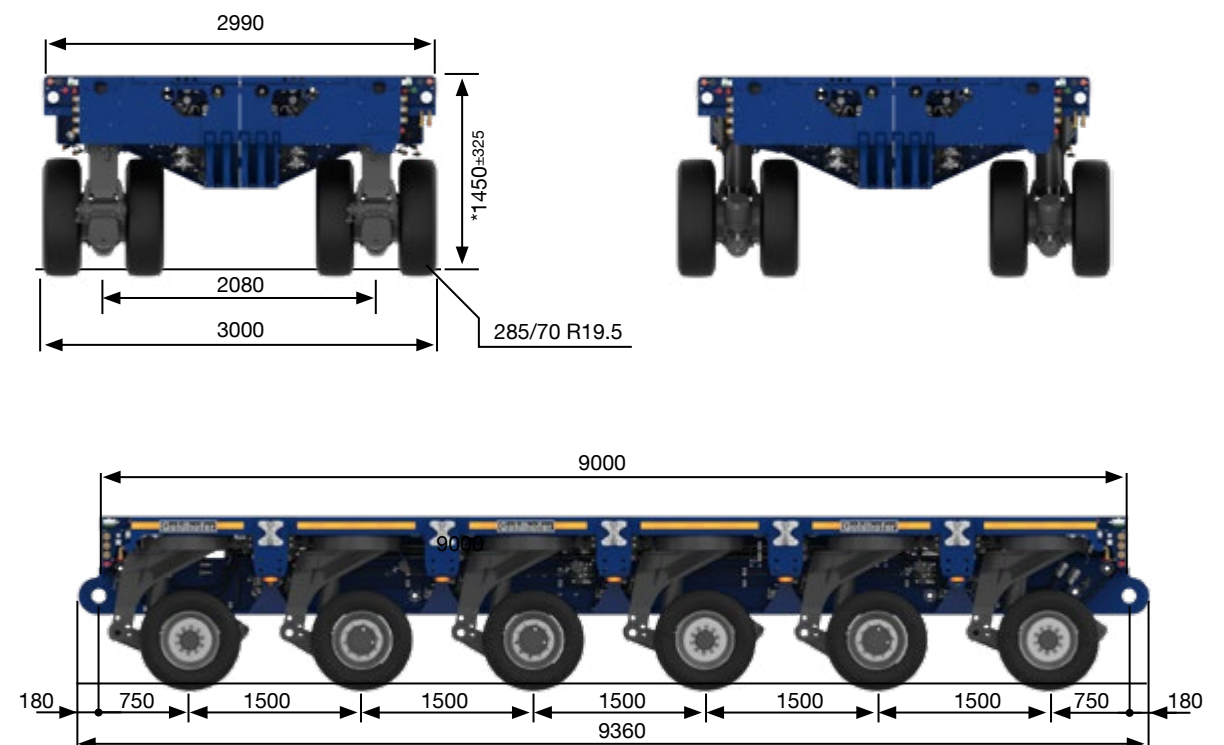
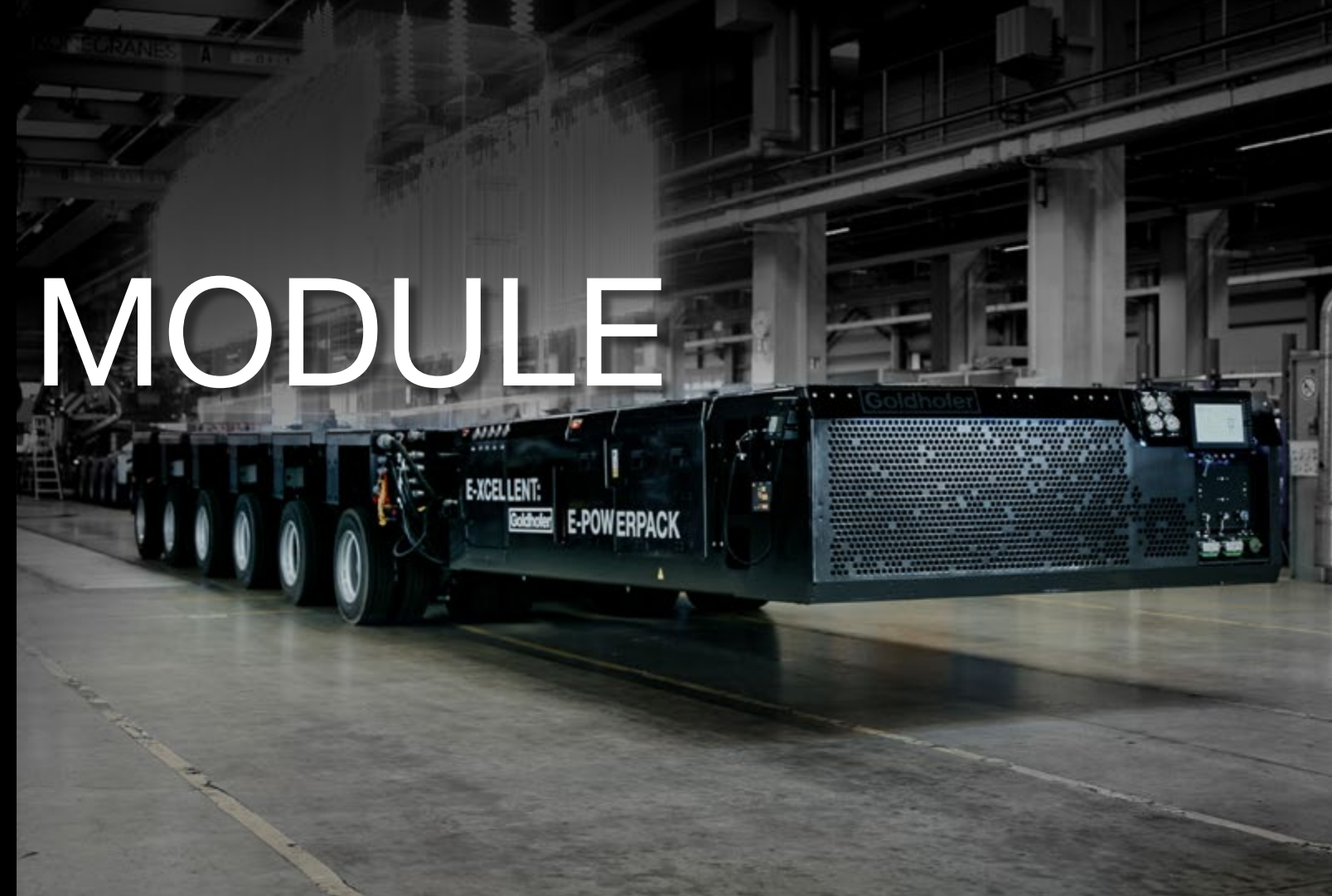
**MAXIMUM
BENDING
MOMENT**



**FULLY COMPATIBLE
WITH THE
SL FAMILY**



**HEAVY-DUTY MODULES
(SELF-PROPELLED)**

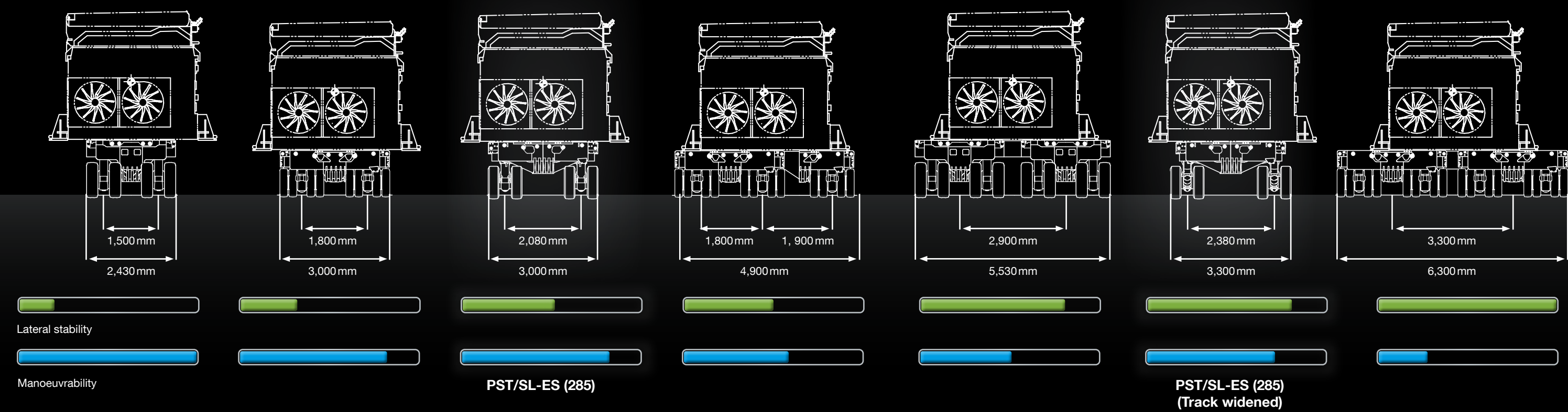


* loaded

PST/SL-ES (285)

STABILITY REDEFINED

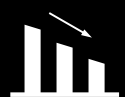
The PST/SL-ES (285) combines lateral stability on the level of significantly wider parallel combinations with the manoeuvrability of a compact transport solution. Thanks to its variable track width under load, the vehicle can be flexibly adapted to the requirements of the route – for maximum safety and new possibilities in heavy transport.



PST/ES-E STABLE PERFORMANCE

YOUR BENEFITS

- ✓ Top of the range traction force at higher speeds
- » Economic fleet management by utilizing fewer driven axle lines
- ✓ Use of standard tires
- » Worldwide availability with maximum economy
- ✓ Steering angle of $\pm 135^\circ$
- » Best possible steering to reduce tire wear
- ✓ PST/ES-E (285): Track width can be widened at the push of a button
- » Higher lateral stability with a basic width of 2,430 mm for flat rack shipping



**LOW INVESTMENT
COSTS**



**LOW MAINTENANCE
VEHICLE DESIGN**



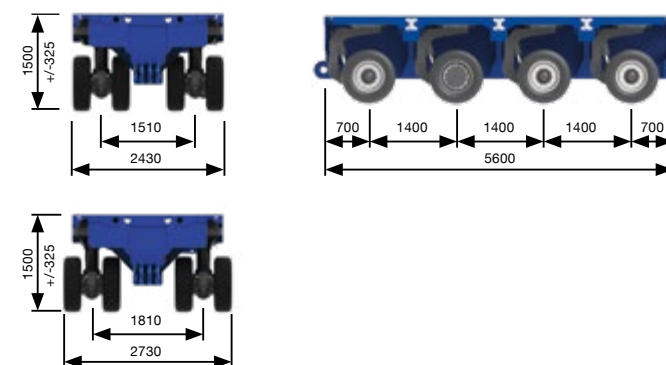
**AXLE LOADS UP
TO 60 T**



**HEAVY-DUTY MODULES
(SELF-PROPELLED)**



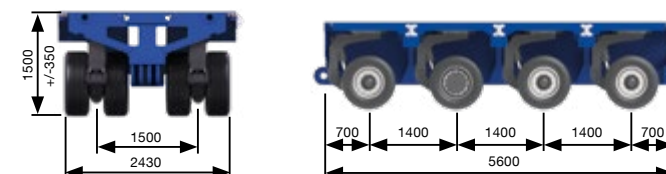
PST/ES-E (285)



TECHNICAL FEATURES

- + Single tire 285/70 R 19.5
- + Axle load 40 t at 0.4 km/h
- + Dead weight (4-axles) 16.6 t
- + Traction force (per driven axle line) 162 kN
- + Vehicle width 2,430 mm
- + Width extendable to 2,730 mm

PST/ES-E (315)



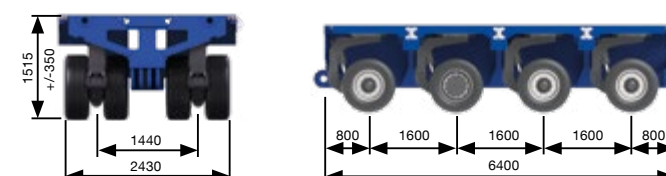
TECHNICAL FEATURES

- + Single tire 315/60 R 22.5
- + Axle load **48,8 t at 1 km/h**
60 t at 1 km/h
- + Dead weight (4-axles) 16.9 t
- + Traction force (per driven axle line) 153 kN
- + Vehicle width 2,430 mm

NEW: PST/ES-E (315) with 60 t axle load

- » Air-inflated standard tires with no mileage restrictions
- » No Polyfill & TPMS required

PST/ES-E (385)



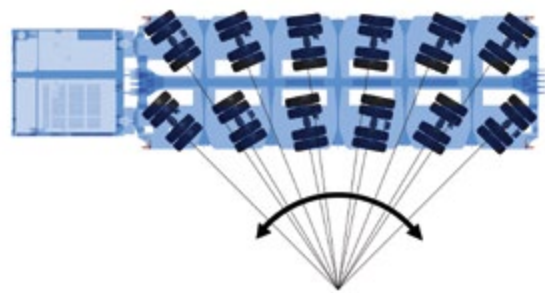
TECHNICAL FEATURES

- + Single tire 385/55 R 22.5
- + Axle load 60 t at 1 km/h
- + Dead weight (4-axles) 20.6 t
- + Traction force (per driven axle line) 160 kN
- + Vehicle width 2,430 mm

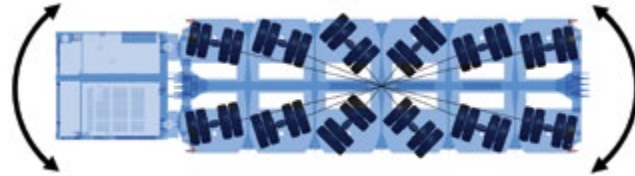
PST/SL-E | PST/SL-ES | PST/ES-E

OVERVIEW OF STEERING PROGRAMS

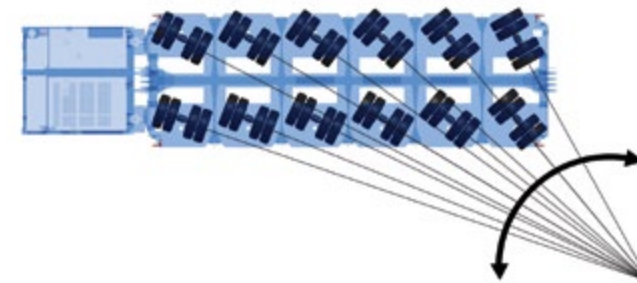
1. Counter steering



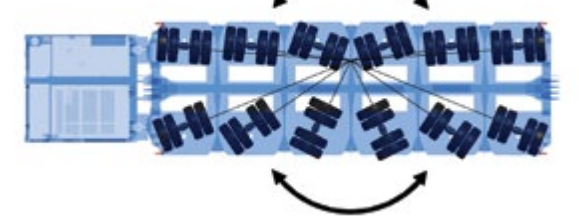
2. Carousel steering



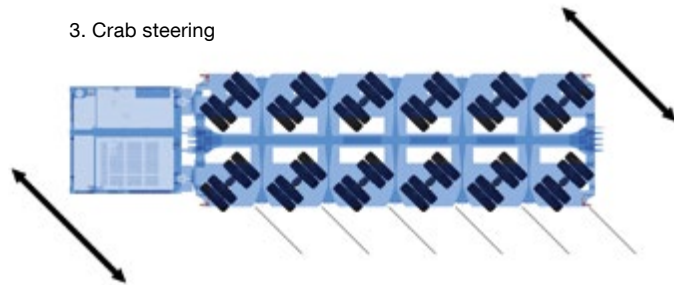
7. Transverse steering left/right



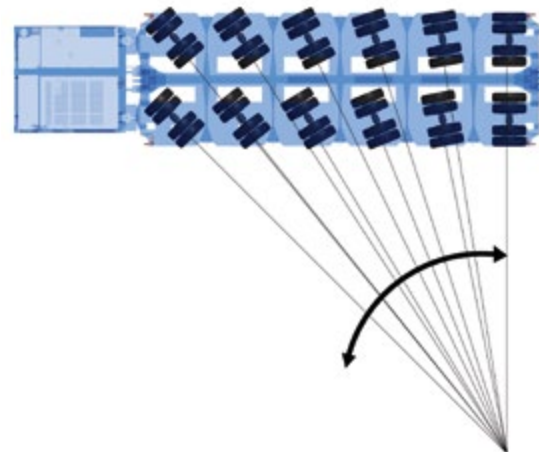
8. Carousel transverse steering



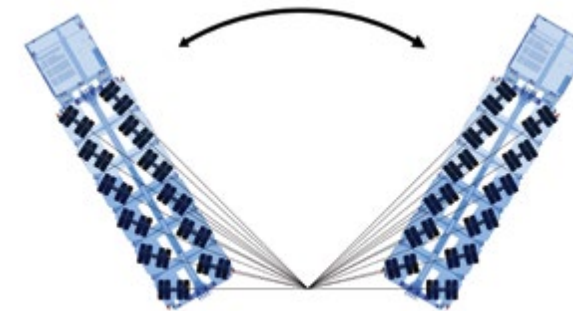
3. Crab steering



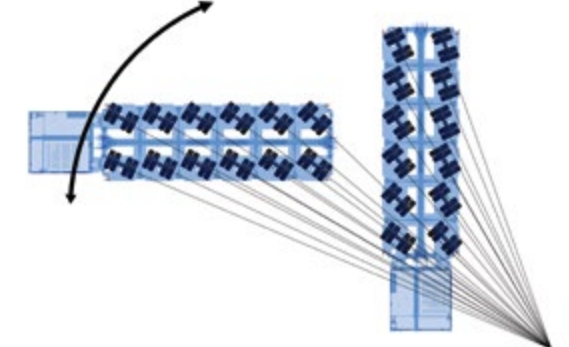
4. Front axle steering



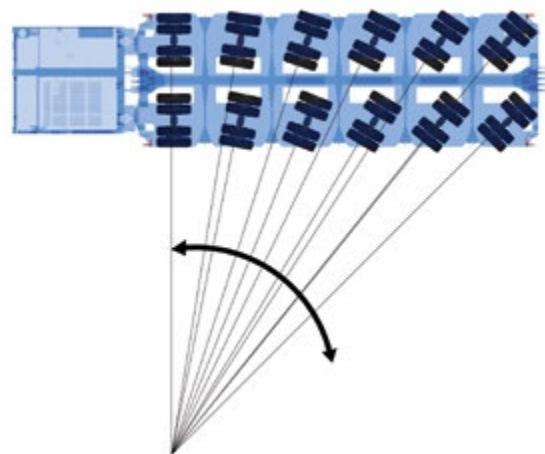
9. Angle combination



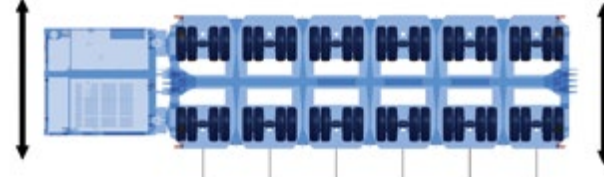
10. T-Combination



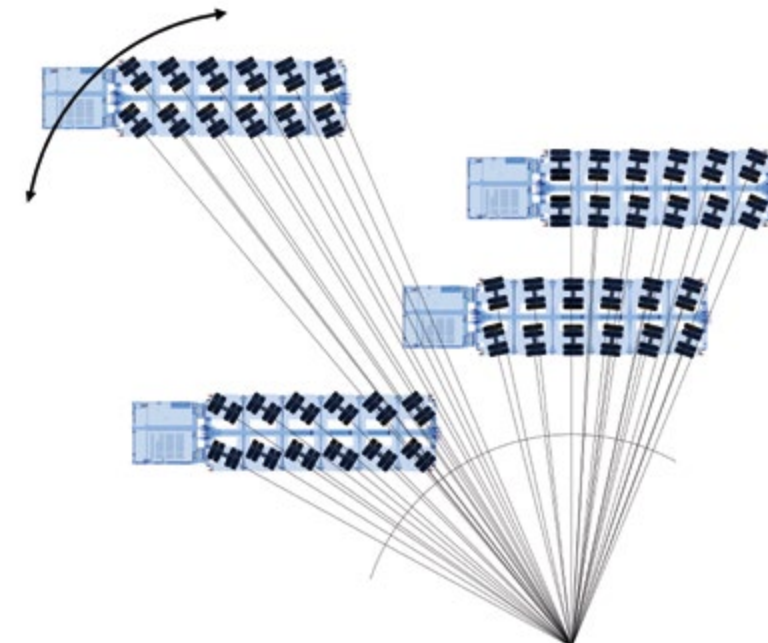
5. Rear axle steering



6. Transverse steering 90°



11. Free combination





ACCESSORIES AND OPTIONS

GENERAL ACCESSORIES



+ Radio remote



+ Emergency cable remote



+ Cable remote

POWERPACKS



+ 207 kW / 280 PS
+ Width 2.400 mm
+ Cummins
(EU STAGE V / TIER 4 FINAL)



+ 360 kW / 490 PS
+ Width 2,400 mm
+ Deutz
(EU STAGE IIIa / EPA-TIER 3)



+ 360 kW / 490 PS
+ Width 3,000 mm
+ Deutz
(EU STAGE IIIa / EPA-TIER 3)



+ 390 kW / 530 PS
+ Width 2,400 mm
+ Deutz
(EU STAGE V / EPA-TIER 4 FINAL)



+ 390 kW / 530 PS
+ Width 3,000 mm
+ Deutz
(EU STAGE V / TIER 4 FINAL)



+ E-PowerPack
+ 250 kW / 340 PS

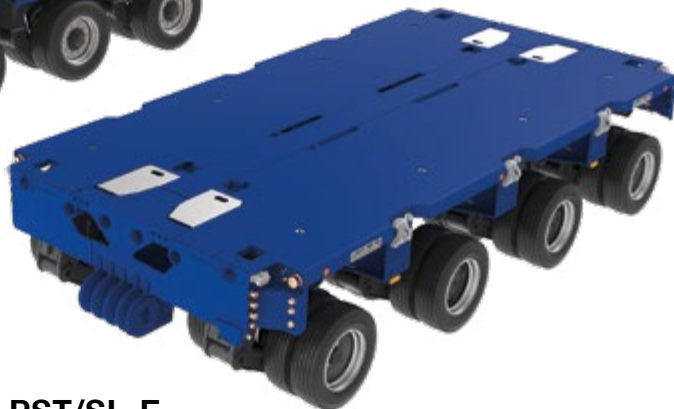


TECHNICAL DATA

	PST/SL-E	PST/SL-ES (285)	PST/ES-E (285)	PST/ES-E (315)	PST/ES-E (385)
Tires	Dual tires 215/75 R 17.5	Single tire 285/70 R 19.5	Single tire 285/70 R 19.5	Single tire 315/60 R 22.5	Single tire 385/55 R 22.5
Axle load	45 t at 1 km/h	48.4 t	40 t at 0.4 km/h	48.8 t at 1 km/h 60 t at 1 km/h	60 t at 1 km/h
Axle compensation	600 mm	650 mm	650 mm	700 mm	700 mm
Dead weight (4-axle)	17.1 t		16.6 t	16.9 t	20.6 t
Traction force (per driven axle line)	180 kN	162 kN	162 kN	153 kN	160 kN
Vehicle width	3,000 mm	3,000 mm	2,430 mm width extendable up to 2,730 mm	2,430 mm	2,430 mm
Axle spacing	1,500 mm	1,500 mm	1,400 mm	1,400 mm	1,600 mm
Electronic multiway steering	± 135°	± 135°	± 135°	± 135°	± 135°
Number of axles	4, 6, 8	4, 6	3, 4, 6, 8	3, 4, 6, 8	3, 4, 6, 8



PST/ES-E



PST/SL-E

CONTACT TRANSPORT TECHNOLOGY

GOLDHOFER AKTIENGESELLSCHAFT

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

SALES

Telephone Sales Europe: +49 8331 15-341
Telephone Sales International: +49 8331 15-342
E-Mail: sales-transport@goldhofer.com

SERVICES AND SPARE PARTS

Technical Support:

Telephone: +49 8331 15-400
E-Mail: service-transport@goldhofer.com

Spare Parts:

Telephone: +49 8331 15-971
E-Mail: parts@goldhofer.com