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## **SCHEUERLE expands platform vehicle series through the K25 L: top stability and safety for loads with a high centre of gravity**

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**When developing the new modular K25 L platform vehicle, SCHEUERLE focused on the transport safety aspect of loads with a high centre of gravity. A relevant requirement especially regarding the future-proof transport of components for increasingly more powerful wind turbines. The K25 L also scores very favourably through maximum stability when transporting construction machinery or plants.**

The energy industry is developing increasingly more powerful wind turbines. The increased dimensions and, in particular, the related high centre of gravity of the load require an extremely stable means of transport with an especially low loading area. SCHEUERLE, a subsidiary of the TII Group owned by the Rettenmaier family from Heilbronn, has developed the modular K25 L series platform vehicles for ensuring the maximum stable and flexible transport of such products. The addition of L (Low) in the type designation indicates the particularly low platform height along with the use of larger tyres.

### **K25 L track width currently unique in the vehicle segment**

The track width of the K25 L is 2100 millimetres along with an external width of 3,000 millimetres which is over ten per cent more than competitors' products can offer. Due to its large track width, the K25 L considerably reduces the risk of accidents caused by overturning when transporting wind tower segments with large diameters and thus greatly enhances work safety levels.

### **Low platform height despite larger tyres**

The technically possible axle load of the K25 L is up to 23 tonnes or up to 13.9 tonnes at 80 km/h. In addition, the tyres used are larger and more robust: 285/70 R 19.5. In spite of the larger tyres, the lowered platform height is 875 millimetres (loaded) or 910 millimetres (unloaded) which facilitates easy driving under loads. The high axle compensation of 680 millimetres also makes driving on uneven surfaces very safe. Moreover, the maximum steering angle of +/- 60 degrees ensures optimal manoeuvrability. Lifting and lowering is carried out with the help of a PPU (Power Pack Unit) from the Z19 series. This is low-emission in accordance with Stage V.

### **More loading options thanks to the maximum bending moment**

The highest negative and positive bending moment on the market creates economic flexibility for the operator through additional loading options. This offers particular advantages for products such as tower segments or nacelles (machine housings) that feature high point loads in combination with a high centre of gravity, and those whose centre of gravity lies far outside the support centre as is the case when transporting long goods with the help of swivel bolsters. Furthermore, the K25 L has a 30 per cent higher torsional stiffness compared to similar products which guarantees cornering safety during transport.

### **Innovative braking concept and high level of work safety**

EBS ensures enhanced braking performance and a shorter braking distance. Depending on the truck tractor, a diagnosis is possible from the driver's cab. Likewise, connecting to a smartphone is possible. The headlights on each individual bogie provide a further plus in terms of safety. This enables the driver to comfortably negotiate the route also at night.

## **K25 L is multifunctional and versatile**

The model range of the K25 L series fulfils the requirements of platform vehicles with two to six axles. The vehicles can be combined with goosenecks, drawbars, swivel bolsters, bridges and tower adapters, and used in ambient temperatures reaching minus 25 degrees. Its versatility makes the K25 L the first choice beyond the wind power industry for the construction sector and for the transport of plant and machinery with high centres of gravity.

### **Photo:**

Optimised for meeting the requirements of the wind power industry: the newly-developed K25 L from SCHEURELE. The modular platform vehicle is the ideal solution for transporting loads with a high centre of gravity.

### **Company profile**

The Transporter Industry International Group (TII Group) belongs to the Rettenmaier entrepreneurial family and is a globally active manufacturer of heavy-duty and special vehicles. It is comprised of the Scheuerle, Nicolas, Kamag and TIIGER brands, and has a workforce of around 900 employees. With innovative vehicles for logistics yards, public roads and industrial areas, the world market leader for heavy-duty vehicles with hydraulic pendulum axles supports its customers – from transport and logistics, building industry, plant engineering, air and space travel, shipbuilding through to energy, steel and mining – for realising a wide range of complex transport tasks. Transport assignments include construction machinery, wind turbine facilities, ships, antennas as well as entire factory plant. The TII Group holds the current world record of over 17,000 tonnes for transporting extremely heavy loads on vehicles. The TII Group focuses on product quality and innovations for the future of heavy-duty transportation mobility. In addition to locations in Germany, France and India, the group has a global sales and service organisation.

[www.tii-group.com](http://www.tii-group.com)

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