

Wind systems

For transporting rotor blades, nacelles and tower segments safely and efficiently, reliability along with ease of maintenance and good handling are naturally part of the specifications for a vehicle from TII SCHEUERLE. However, the really challenging work begins after this. Through an intensive consultation process and in close dialogue with you, the customer, a transport solution is created that is not only versatile and economical but also future-oriented. TII SCHEUERLE also supports you with its market knowledge and shows where the transport business is headed - especially in the field of wind power where new technologies are constantly emerging and the size of the facilities is growing steadily. You can be sure of one thing: you will also be competitive in the future with vehicles from TII SCHEUERLE.

SCHEUERLE wind systems guarantee:

»» Cost-efficient

»» Reliable

»» Future-proof

»» Scalable



Competitive advantages, cost-efficient, future-proof. The SCHEUERLE RBTS reliably transports all common and future rotor blade types to their destinations - and according to plan.



SCHEUERLE | RBTS



The Rotor Blade Transport System from SCHEUERLE transports all rotor blade types that are available on the market safely and economically. The combination together with a trailing unit is ideally suited for moving heavy, very long rotor blades. The system will also be able to accommodate the next generations of rotor blades with even larger dimensions, thus proving its future viability. The rotor blade transport system consists of a 2 axle jeep dolly, a free-turning device with a root adapter plus a 4 axle trailer as trailing unit or an optionally available free-turning device that is coupled directly to the tractor, plus one trailing unit. For empty runs, the trailing unit is coupled directly to the free-turning device and thus does not exceed the permitted combination length of 16.5 m.

- + **Transports all common types of rotor blades**
- + **Weighing device for determining the centre of gravity**
- + **Future-proof system**
- + **All functions can be safely and ergonomically controlled via radio remote control**
- + **More safety during transport through precise adjustment of the centre of gravity with the sliding carriage**

Product characteristics

2 axle jeep dolly, free-turning device with root adapter and 4 axle trailing unit

Trailing unit rotor blade length: unlimited

Max. payload dolly + free-turning device: 31.85 t

Max. payload trailing unit: 31.7 t

Max. axle line load: 10 t

Tyres: 245/70 - R17.5

Max. fifth-wheel load dolly: 17 t

Flexible, innovative and variable.
The SCHEUERLE BladeLifter G4
also accommodates challenging
transport routes through its
maximum installation angle of 60°.



SCHEUERLE | BladeLifter



The SCHEUERLE BladeLifter is the transport solution of the future for the wind energy sector. With its load moment of up to 900 mt, the adapter is suitable for rotor blades that are up to 100 metres long or even longer. More is not possible. The rotor blade adapter can be used flexibly and guarantees the best manoeuvring options through its set-up angle of 60° along with its rotatability. As a result, narrow streets or serpentine-dominated routes can be safely mastered. The adapter can be mounted on towed vehicle combinations as well as self-propelled modules. The rotor blade quick-change system ensures more efficiency in transport operations.

- + **900 mt maximum load moment makes the investment future-proof**
- + **Variable vehicle widths of 3 m and 3.49 m enhance the flexibility**
- + **Height adjustability increases the option for accommodating larger rotor blades**
- + **Maximum set-up angle of 60° provides the best manoeuvrability**
- + **Rotor blade quick-change system shortens set-up times**

Product characteristics

Rotor blades up to 100 m
and even longer

Load moment: 900 mt

Rotor blade diameter:
3,250 - 4,250 mm

Payload: 45,000 kg

Counterweight, max.: 30,000 kg

Light, flexible and economical.
The SCHEUERLE WindTowerAdapter efficiently transports wind tower segments of up to 100 tonnes to their destination, also on twisting and winding routes.



SCHEUERLE | WindTowerAdapter



The SCHEUERLE WindTowerAdapter is the ideal mounting part for accommodating different tower segment radii. In conjunction with our heavy-duty modules, payloads of up to 140 tonnes can be transported with the adapter. An integrated lifting device and high ground clearance are just two examples of the imaginative development of the SCHEUERLE WindTowerAdapter.

- + High ground clearance in order to prevent damaging the transported materials
- + Lifting device to circumvent obstacles

Product characteristics

Available in three versions with different tower radii and payloads

Suitable for tower diameters of 5,000 mm - 6,500 mm

Payloads up to 140 t

Telescopic, manoeuvrable and light.
The SCHEUERLE Extender manoeuvres
even the longest loads safely to their
destinations.



SCHEUERLE | Extender



Due to its telescopic loading area, the SCHEUERLE Extender is ideal for transporting wind blades and particularly long loads such as bridge components. Through the lightweight construction and larger steering angle, the SCHEUERLE Extender offers optimal manoeuvrability with a high payload.

- + Fifth-wheel coupling height for accommodating different tractor units
- + Proven and robust air suspension technology
- + Gooseneck with 2" standard king pin
- + Optional 3,5" king pin
- + Axles with automatic slack adjuster
- + Less wear

Product characteristics

Can be extended up to
3 telescoped beams

Trailer equipped with ABS

Hydromechanical
steering mechanism

Pneumatic dual-line
brake system

24V, electric power pack

Available in 4 different variants