The TII Group moves the world: Seventy percent of all transports over 3,000 tons and ninety percent of all transports over 5,000 tons are performed using vehicles by the TII Group.

With its brands SCHEUERLE, NICOLAS, KAMAG and TIIGER the group of companies has production sites in Germany, France and India as well as a production cooperation in North America (Florida). It assists and advises its customers with a globally active sales and service organization. Heavy-duty vehicles by the TII Group transport entire industrial plants, ships, submarines, oil and offshore platforms, turbine, construction machinery but also slag pots and ladles in the remotest corners of the world.

“For our customers, we bring around 400 years of experience in heavy-duty transport, accumulated by four companies, into play, thus securing their future economic success of tomorrow today.”

Senator E. h. Otto Rettenmaier, multi-entrepreneur and founder of the TII Group
As a full-range supplier, the TII Group offers a wide range of vehicles to move loads of all kinds, from the modular, self-propelled transporter (SPMT) to transport loads of 15,000 tons and more all the way to vehicles for stock handling in yard logistics.
## MODULAR VEHICLES FOR ROAD TRANSPORTATION

### OVERVIEW

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- MDEL/MDEL R \[16\]

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- MDED \[32\]
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- K25 H \[34\]
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- K25 H SL \[39\]
- PowerBooster \[40\]
- General Accessories \[42\]
For transport operations on public roads, the TII Group offers a wide range of light modular platform trailers such as the SCHEUERLE UltralightCombi, the SCHEUERLE EuroCombi and the NICOLAS vehicles MDI, MDELI, MDEL and MDER. With axle loads of around 20 tons, these are suited for the transport of large but relatively light loads.
## LIGHT MODULE SERIES
### TECHNICAL DATA

<table>
<thead>
<tr>
<th>Vehicle</th>
<th>Ultralight Combi U0</th>
<th>Ultralight Combi U1</th>
<th>Ultralight Combi U2</th>
<th>EuroCombi L2</th>
<th>K20</th>
<th>MDEL</th>
<th>MDEL R</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Axle load at 80km/h</strong></td>
<td>kg</td>
<td>12,000</td>
<td>13,400</td>
<td>12,000</td>
<td>13,400</td>
<td>12,000</td>
<td>12,000</td>
</tr>
<tr>
<td><strong>Axle load technical at 10km/h</strong></td>
<td>kg</td>
<td>14,000</td>
<td>14,000</td>
<td>14,000</td>
<td>20,000</td>
<td>14,000</td>
<td>20,000</td>
</tr>
<tr>
<td><strong>Dead weight</strong></td>
<td>kg</td>
<td>9,800</td>
<td>10,200</td>
<td>9,500</td>
<td>11,200</td>
<td>10,400</td>
<td>10,800</td>
</tr>
<tr>
<td><strong>Payload at 80km/h</strong></td>
<td>kg</td>
<td>38,200</td>
<td>43,400</td>
<td>38,500</td>
<td>42,400</td>
<td>37,600</td>
<td>38,500</td>
</tr>
<tr>
<td><strong>Axle compensation</strong></td>
<td>mm</td>
<td>± 325</td>
<td>± 300</td>
<td>± 325</td>
<td>± 300</td>
<td>±465/-215</td>
<td>±465/-215</td>
</tr>
<tr>
<td><strong>Total lifting</strong></td>
<td>mm</td>
<td>650</td>
<td>600</td>
<td>650</td>
<td>600</td>
<td>680</td>
<td>680</td>
</tr>
<tr>
<td><strong>Overall length</strong></td>
<td>mm</td>
<td>6,000</td>
<td>6,000</td>
<td>6,000</td>
<td>6,000</td>
<td>6,000</td>
<td>6,000</td>
</tr>
<tr>
<td><strong>Overall width</strong></td>
<td>mm</td>
<td>2,550</td>
<td>2,630</td>
<td>2,550</td>
<td>2,750</td>
<td>2,550</td>
<td>2,740</td>
</tr>
<tr>
<td><strong>Axle base</strong></td>
<td>mm</td>
<td>1,500</td>
<td>1,500</td>
<td>1,500</td>
<td>1,500</td>
<td>1,500</td>
<td>1,400</td>
</tr>
<tr>
<td><strong>Steering angle</strong></td>
<td>°</td>
<td>± 60</td>
<td>± 60</td>
<td>± 60</td>
<td>± 60</td>
<td>± 60</td>
<td>± 60</td>
</tr>
</tbody>
</table>

* All comparative data are in reference to 4-axle platform trailers

**Notes:**
- Axle load at 80km/h and axle load technical at 10km/h values are for weight distribution purposes.
- Dead weight includes all fixed components except for the payload.
- Payload at 80km/h includes the weight of the vehicle and its accessories.
- Tyres: 245 / 70 R17.5 or 285 / 70 R19.5
- Number of wheels per axle: 4
- Platform height minimum: 865 mm, 960 mm, 865 mm, 960 mm, 915 mm, 875 mm, 875 mm
- Platform height middle setting: 1,190 mm, 1,260 mm, 1,190 mm, 1,260 mm, 1,215 mm, 1,090 mm, 1,090 mm
- Axle compensation: ±325 mm, ±300 mm, ±325 mm, ±300 mm, ±300 mm, ±465/-215 mm, ±465/-215 mm
- Total lifting: 650 mm, 600 mm, 650 mm, 600 mm, 600 mm, 680 mm, 680 mm
- Overall length: 6,000 mm, 6,000 mm, 6,000 mm, 6,000 mm, 6,000 mm, 6,000 mm, 6,000 mm
- Overall width: 2,550 mm, 2,630 mm, 2,550 mm, 2,750 mm, 2,550 mm, 2,740 mm, 2,740 mm
- Axle base: 1,500 mm, 1,500 mm, 1,500 mm, 1,500 mm, 1,500 mm, 1,400 mm, 1,400 mm
- Steering angle: ±60°, ±60°, ±60°, ±60°, ±60°, ±60°, ±60°
The SCHEUERLE UltralightCombi is a modular platform trailer which can be combined with other models of the Combi series by SCHEUERLE, thereby scoring with a particularly beneficial payload-deadweight ratio.

**Areas of Use**
- Transport on public roads, global

**Advantages**
- Coupleable with InterCombi and EuroCombi series
- Ultra-light deadweight for maximum payload
- Solid vehicle frame for a long service life
- Full compatibility for more flexibility
- Narrow vehicle width of 2.55 m compliant with EC standards
- Safe and easy handling
- Great manoeuvrability
- Low maintenance costs
- Fully integrated electric PPU available
The SCHEUERLE EuroCombi is a modular platform trailer, suited for a great number of loads, including excavators, railway vehicles or plant components.

**AREAS OF USE**
- Transport on public roads, Europe

**ADVANTAGES**
- Solid vehicle design with extreme manoeuvrability
- Low dead weight
- Transport of loads up to approx. 300 t
- Great manoeuvrability in confined spaces due to steering angles up to 60° and optimized steering geometry
- Easy to load and safe to use even under difficult road conditions and when driving up steep loading ramps due to great axle compensation
- For “end-to-end” and “side-to-side” coupling
- Operable as a semi-trailer and trailer
The NICOLAS MDEL (Modular Europe Light) series of modules offers versatile transport solutions for all activities linked to heavy-duty transport: construction work, industrial loads, windmill parts, etc. A tailor-made deck allows the transport of plant machines: low loader, extra-low loader, narrow, wide, with gunwales, telescopic, with extensions. The platform can be delivered in the standard version or designed for special requirements as necessary. All windmill parts, towers, blades and nacelles can be transported using special adaptors, platforms or beams designed to ensure quick and simple logistical operations. Accessories such as bolsters allow the transport of long loads as well as concrete beams or tanks. All elements are designed with the demands of haulage in mind. Easy to drive, the NICOLAS MDEL is equally adept on-site, managing the demands of heavy-duty handling in a 2- or 4-file configuration. More highly concentrated loads can be transported with the specially reinforced MDEL R, whose load concentration has been increased by 30% compared to the standard MDEL.

**AREAS OF USE**
- Transport on public roads, global

**AVAILABLE MODELS**
- 2 axles, payload 35 t
- 3 axles, payload 53 t
- 4 axles, payload 70 t
- 5 axles, payload 88 t
- 6 axles, payload 106 t

**AVAILABLE ACCESSORIES**
- Gooseneck, Drawbar
- Swivel bolster
- Spacer
- Adapter for tower sections
- Deck (Slab, Excavator, Portal)
- Accessories for 4 files transport
- Side Girder Deck
- PPU
- Automatic greasing system
For transport operations on public roads, the TII Group offers a wide range of medium modular platform trailers such as the KAMAG K22, the SCHEUERLE FlatCombi or the NICOLAS vehicles Flat MDE and MDE. These are suited for the transport of medium loads and close the gap between the light and heavy modular transport solutions. This is how you will always have the right vehicle available for any application.
### MEDIUM MODULE SERIES

#### TECHNICAL DATA

<table>
<thead>
<tr>
<th>Vehicle</th>
<th>FlatCombi M1</th>
<th>FlatCombi M3</th>
<th>K22</th>
</tr>
</thead>
<tbody>
<tr>
<td>Axle load at 80km/h</td>
<td>kg</td>
<td>14,000</td>
<td>14,000</td>
</tr>
<tr>
<td>Axle load technical at 10 km/h</td>
<td>kg</td>
<td>23,000</td>
<td>25,000</td>
</tr>
<tr>
<td>Dead weight*</td>
<td>kg</td>
<td>11,300</td>
<td>12,300</td>
</tr>
<tr>
<td>Payload at 80 km/h*</td>
<td>kg</td>
<td>41,200</td>
<td>43,700</td>
</tr>
<tr>
<td>Tyres</td>
<td></td>
<td>205 / 65 R175</td>
<td>205 / 65 R175</td>
</tr>
<tr>
<td>Number of wheels per axle</td>
<td></td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>Platform height minimum</td>
<td>mm</td>
<td>780</td>
<td>770</td>
</tr>
<tr>
<td>Platform height middle setting</td>
<td>mm</td>
<td>1,030</td>
<td>1,020</td>
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<tr>
<td>Axle compensation</td>
<td>mm</td>
<td>± 250</td>
<td>+ 350/-250</td>
</tr>
<tr>
<td>Total lifting</td>
<td>mm</td>
<td>500</td>
<td>600</td>
</tr>
<tr>
<td>Overall length</td>
<td>mm</td>
<td>6,000</td>
<td>6,000</td>
</tr>
<tr>
<td>Overall width</td>
<td>mm</td>
<td>2,750</td>
<td>3,000</td>
</tr>
<tr>
<td>Axle base</td>
<td>mm</td>
<td>1,500</td>
<td>1,500</td>
</tr>
<tr>
<td>Steering angle</td>
<td>°</td>
<td>± 60</td>
<td>± 60</td>
</tr>
</tbody>
</table>

*All comparative data are in reference to 4-axle platform trailers*
The SCHEUERLE FlatCombi is a platform trailer which can be used as a semi-trailer or trailer, and, due to its low loading height, guarantees safe and economical transport of high loads, e.g. when passing under bridges.

**AREAS OF USE**
- Transport on public roads, Europe

**AVAILABLE MODELS**
- FlatCombi M1
- FlatCombi M3
- 4-File

**AVAILABLE ACCESSORIES**
- Decks
- Bolster
- Load distributor
- Small Power Packs (lifting/lowering and steering)

**ADVANTAGES**
- Minimum platform height of 780 mm
- FlatCombi available with 23 t or 25 t technical axle load
- Axle compensation up to 650 mm
- Centre distance of 1,500 mm
- Transport speeds up to 80 km/h
- Steering angle up to 60° and an optimized steering geometry guarantee great manoeuvrability when space is limited
- Operable as trailer or semi-trailer
The SCHEUERLE KAMAG K22 is a platform trailer which can be used as a semi-trailer or trailer, and, due to its low loading height, guarantees safe and economical transport of high loads, e.g. when passing under bridges.
AREAS OF USE

/ On-site / on public roads, global

PAYLOAD

/ Unlimited due to modular vehicle concept

AVAILABLE ACCESSORIES

/ Decks
/ Bolster
/ Load distributor
/ Small Power Packs (lifting/lowering and steering)

ADVANTAGES

/ Minimum platform height of 770 mm
/ Depending on the tyres, driving heights of the platform trailers between 1,020 to 1,090 mm
/ K22 available with tonnes of technical axle load
/ Axle compensation of 600 mm
/ Centre distance of 1,500 mm
/ Transport speeds up to 80 km/h
/ Steering angle up to 60° and an optimized steering geometry guarantee great manoeuvrability when space is limited
/ For “end-to-end” and “side-to-side” coupling
/ Operable as trailer or semi-trailer
HEAVY MODULE SERIES
OUR EXPERTISE – YOUR BENEFIT

With the SCHEURLE-KAMAG K25 H, the SCHEUERLE InterCombi and the NICOLAS vehicles MDED and MHD, the TII Group offers vehicles setting standards in the field of heavy-duty modular road transport. As a trailer or PowerBooster version, they transport the heaviest loads around the world on public roads and on-site, working hard in constant operation.
### HEAVY MODULE SERIES

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Vehicle</th>
<th>InterCombi S10</th>
<th>InterCombi S10 PB4</th>
<th>MDED</th>
<th>MHD G2</th>
<th>K25 H</th>
<th>K25 H PB SP4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Axle load at 80 km/h</td>
<td>kg 16,000</td>
<td>16,000</td>
<td>34,000</td>
<td>40,000/45,000</td>
<td>16,000</td>
<td>16,000</td>
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<tr>
<td>Axle load technical at 10 km/h</td>
<td>kg 45,000</td>
<td>45,000</td>
<td>34,000</td>
<td>40,000</td>
<td>45,000</td>
<td>45,000</td>
</tr>
<tr>
<td>Dead weight*</td>
<td>kg 13,450</td>
<td>14,850</td>
<td>12,800</td>
<td>15,600</td>
<td>13,600</td>
<td>15,000</td>
</tr>
<tr>
<td>Payload 80 at km/h*</td>
<td>kg 50,550</td>
<td>49,150</td>
<td>-</td>
<td>-</td>
<td>50,400</td>
<td>49,000</td>
</tr>
<tr>
<td>Tyres</td>
<td></td>
<td></td>
<td>215 / 75 R17.5</td>
<td>215 / 75 R17.5</td>
<td>215 / 75 R17.5</td>
<td>215 / 75 R17.5</td>
</tr>
<tr>
<td>Number of wheels per axle</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
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<tr>
<td>Platform height minimum</td>
<td>mm 865</td>
<td>865</td>
<td>755</td>
<td>845</td>
<td>875</td>
<td>875</td>
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<tr>
<td>Platform height middle setting</td>
<td>mm 1,190</td>
<td>1,190</td>
<td>1,080</td>
<td>1,170</td>
<td>1,175</td>
<td>1,175</td>
</tr>
<tr>
<td>Axle compensation</td>
<td>mm ± 325</td>
<td>± 325</td>
<td>± 325</td>
<td>± 325</td>
<td>± 300</td>
<td>± 300</td>
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<tr>
<td>Total lifting</td>
<td>mm 650</td>
<td>650</td>
<td>650</td>
<td>650</td>
<td>600</td>
<td>600</td>
</tr>
<tr>
<td>Overall length</td>
<td>mm 6,000</td>
<td>6,000</td>
<td>-</td>
<td>-</td>
<td>6,000</td>
<td>6,000</td>
</tr>
<tr>
<td>Overall width</td>
<td>mm 3,000</td>
<td>3,000</td>
<td>3,000</td>
<td>3,000</td>
<td>3,000</td>
<td>3,000</td>
</tr>
<tr>
<td>Axle base</td>
<td>mm 1,500</td>
<td>1,500</td>
<td>1,550</td>
<td>1,550</td>
<td>1,500</td>
<td>1,500</td>
</tr>
<tr>
<td>Steering angle</td>
<td>° ± 60</td>
<td>± 60</td>
<td>± 55</td>
<td>± 55</td>
<td>± 60</td>
<td>± 60</td>
</tr>
</tbody>
</table>

* All comparative data are in reference to 4-axle platform trailers
The SCHEUERLE InterCombi is a modular platform trailer which can cover a great number of transportation assignments. The vehicle is used as a trailer, semi-trailer or semi-propelled transporter, setting standards in its segment.

**AERAS OF USE**
- Transport on public roads, global
  - also on-site

**AVAILABLE VERSIONS**
- IC S0: 36 t axle load, 3.00 m wide
- IC S11: 36 t axle load, 3.10 m wide (Canada)
- IC S10: 45 t axle load, 3.00 m wide
- IC S17: 45 t axle load, 3.00 m wide, increased bending moment (InterCombi ES)

**ADVANTAGES**
- Solid vehicle frame with extreme manoeuvrability
- For “end-to-end” and “side-to-side” coupling
- Operable as a trailer or semi-trailer with gooseneck
- Transport speeds of up to 80 km/h
- Steering angle up to 60° and an optimized steering geometry guarantee great manoeuvrability when space is limited
- Lamellar coupling with hydraulic coupling pin for simple and fast coupling of combinations
- Low design, extremely sturdy and reliable
- Available with an axle load of 45 t
- Wide wheel track for high stability

---

**Axle load**

- 45 t

**Width**

- S10 = 215/75 R 17.5
- S11 = 235/75 R 17.5 (max. 36,000 kg)

**Axle base**

- S10 = 3,000
- S11 = 3,100

- S10 = 1,190 ± 325
- S11 = 1,270 ± 325

---

**Heavy INTERCOMBI
MODULAR AND STURDY**
INTERCOMBI ES
THE GOLIATH AMONG MODULAR ROAD VEHICLES

Made of high-strength fine-grained steel, the InterCombi ES has a much higher bending moment in the main beam. This higher bending moment means you can couple a platform trailer with additional 3 axles behind a deck. However, this does not affect the permissible axle loads, which demonstrates its quality as a Goliath among road vehicles. The InterCombi ES can be coupled with the classic SCHEUERLE InterCombi. It is available as a 2, 3, 4, 5 and 6-axle platform trailer.

Supplementing existing fleets with platform trailers from the SCHEUERLE InterCombi ES range is particularly interesting, because higher loads require additional axle lines that, in turn, result in higher bending moments. Combining types InterCombi ES, InterCombi and InterCombi UL enables you to configure the perfect vehicle unit according to the requirements of the bending line (see pictogram above). This makes the two models ES and UL a lifeline for all carriers.
MDE
EXCELLENT PAYLOAD/DEADWEIGHT RATIO

The key feature of the MDE and MDED (Modular Export / Modular Export Steered) ranges – the best dead weight to payload capacity ratio, means that it is suited to heavy goods transport and heavy-duty handling on site. A large number of accessories allow to configure 2, 3, and 4 file combinations, as well as semi-trailers. They can be coupled to motorised modules and power pack units, resulting in self-propelled trailers for handling on site. Historically the MDE range is the most widely used module worldwide.

AREAS OF USE

/ On-site / transport on public roads, global

AVAILABLE VERSIONS

/ 2 - 4 axles
/ Axle load 34 t

AVAILABLE ACCESSORIES

/ Gooseneck, Drawbar
/ Swivel Bolster
/ Spacer
/ Adapter for tower Sections
/ Deck (Slab, Excavator, Portal)
/ Side Girder Deck
/ PPU
/ Coupling Set for 3 or 4 File

VORTEILE

/ Suspension stroke of 650 mm
/ Steering angle up to 55°
/ Simple, accessible steering system
/ Wide range of interchangeable platforms and accessories
Today’s vehicles need to constantly improve to meet new challenges. Loads are continually becoming heavier and more concentrated. With this in mind NICOLAS has evolved the MHD G2 modular range, whilst maintaining the trademark NICOLAS versatility and improving the technical specification for vehicles that can be used equally well on the road as on site. Loading capacity and concentration have both been improved.

**AREAS OF USE**
/ On-site / transport on public roads, global

**AVAILABLE VERSIONS**
/ 2 axles, payload 72 t / 82 t
/ 3 axles, payload 108 t / 123 t
/ 4 axles, payload 144 t / 164 t
/ 5 axles, payload 180 t / 205 t
/ 6 axles, payload 217 t / 247 t

**AVAILABLE ACCESSORIES**
/ Gooseneck, Drawbar
/ Swivel Bolster
/ Spacer
/ Adapter for tower Sections
/ Deck (Slab, Excavator, Portal)
/ Side Girder Deck
/ PPU / Coupling Set for MHD GI (2 File)
/ Coupling Set for 3 or 4 File
/ Automatic greasing system

**ADVANTAGES**
/ Platform height 845 mm (in lowered position)
/ Fast to configure
/ Easy handling
/ Compatible to the existing MHD
In addition to numerous special transporters, KAMAG and SCHEUERLE offer a wide range of vehicles for the transport on public roads as well as an extensive choice of accessories. The K25 H is an innovative vehicle concept based on the new universal development platform of the TII Group. As in other products of the TII Group, the basis of the new vehicle concept is formed of components that have been used in the field for decades. The K25 H is a completely new, autonomous platform trailer which is different from all previous platform trailers of the TII Group. The modular design of the K25 H offers a multitude of combination possibilities, adjustable to the requirements of almost any transportation task. With its numerous special versions and choice of accessories, the K25 H is a reliable and cost-effective transport vehicle on public roads and for in-plant tasks. The K25 H combines the long-term know-how of KAMAG and SCHEUERLE into an incomparable product and sets new standards in the heavy transport sector.

**AREAS OF USE**
- On-site / transport on public roads, global

**AVAILABLE VERSIONS**
- Version with higher bending moment

**ADVANTAGES**
- Strongest bending moment on the market
- ± 60° steering angle
- Freely accessible track rods
- For "end-to-end" and "side-to-side" coupling, even with third-party manufacturers
- Standard compressed air tank, no technical inspection (TÜV) required
- Corrosion- and wear-resistant suspension cylinders
- Steering system hydraulically prestressed for higher stability during operation

**Axle load**
- 45 t

**Width**
- 215/75 R 17.5
- 3,000

**Axle base**
- 750
- 1,500
- 1,175
- ± 300
**ADDITIONAL ADVANTAGES OF THE K25 H**

**CONVINCING ARGUMENTS**

**Reinforced lamellar coupling (40 mm)**
The reinforced lamella of the K25 H stabilise vehicle combinations coupled “side-by-side” when taking curves and also counteract the wear and tear of the lamella.

**Tested fixing and lashing material**
The K25 H comes with tested fixing and lashing material. The lashing rings can be used for load securing and crane loading of the vehicle.

**Freely accessible track rods**
Unrestricted access to the steering rods ensures easy removal and coupling. Depending on the configuration, only one end of the track rod needs to be loosened for alignment in a loaded state.

**Axle locking mechanism**
The 3rd and 4th axles (using the example of a 6-axle vehicle) can be locked mechanically.

**Corrosion- and wear resistant suspension cylinders**
The suspension cylinders are corrosion- and wear-resistant according to DIN 50021 and DIN 50018 – test value HV 300 – and suitable for use in a highly corrosive atmosphere.

**Mechanical coupling blocks**
Mechanical coupling blocks to couple two vehicles “side-by-side”.

**Proven wheel bogies**
The K25 H is equipped with standard wheel bogies by SCHEUERLE. The wheel bogies are designed with tape roller bearings in the steering head.

**Cover plates**
The platform trailer can be equipped with serrated aluminium plates to cover the track rods. As a result, safety is increased when working on the platform.

**Pendulum axles and tyres**
The K25 H is equipped with BPW pendulum axles. The standard twin tyres used are 215/75 R 17.5 premium tyres. The pendulum axles are equipped with ABS, increasing the service life of the tyres.

**Electrical system**
The entire electrical system (24 V) is merged in a switchbox and therefore easy to maintain (12 V available as an option).

**Steering / steering angles**
A steering angle of ± 60° makes the K25 H manoeuvrable and extremely sturdy. The steering forces of the 2-circuit steering system are hydraulically generated by means of cylinders and mechanically transferred via track rods.

**End-to-end coupling**
The mechanical end-to-end coupling of two vehicles is performed via a hydraulically lockable lamellar coupling.
Made of high-strength fine-grained steel, the K25 H ES has a much higher bending moment in the main beam. This higher bending moment makes it possible to couple a platform trailer with up to additional 3 axles behind a deck without affecting the permissible axle loads. Naturally, the K25 H ES can be coupled with the SCHEUERLE-KAMAG K25 H. It is available as a 2-, 3-, 4-, 5- and 6-axle platform trailer. Supplementing existing fleets with the platform trailer K25 H ES is particularly interesting as higher loads require additional axles, which, in turn, result in higher bending moments.

**AREAS OF USE**
/ On-site / transport on public roads, global

**AVAILABLE VERSIONS**
/ Version with higher bending moment

**ADVANTAGES**
/ Strongest bending moment on the market
/ ± 60° steering angle
/ Freely accessible track rods
/ For “end-to-end” and “side-to-side” coupling, even with third-party manufacturers
/ Standard compressed air tank, no technical inspection (TÜV) required
/ Corrosion- and wear-resistant suspension cylinders
/ Steering system hydraulically prestressed for higher stability during operation
The K25 H SL has longitudinal pitch and, as a result, can be extended into a 3-file combination with the K25 series. Using additional spacers between the vehicle halves, for example, means that vehicle widths of 4,000 mm can be realised. The K25 H SL with spacer is the optimum solution in special cases, for instance when the load requires better stability due to a high centre of gravity and the road does not allow a 4-file combination.

**AREAS OF USE**
- On-site / transport on public roads, global

**AVAILABLE VERSIONS**
- Split Type

**ADVANTAGES**
- Strongest bending moment on the market
- ± 60° steering angle
- Freely accessible track rods
- For "end-to-end" and "side-to-side" coupling, even with third-party manufacturers
- Standard compressed air tank, no technical inspection (TÜV) required
- Corrosion- and wear-resistant suspension cylinders
- Steering system hydraulically prestressed for higher stability during operation
POWERBOOSTER
SPMT AND SECOND TRACTOR IN ONE VEHICLE

1. Assist mode on transportation routes with gradients: As soon as a tractor has no sufficient power to manage the incline, i.e. the speed drops below 9 mph (14 km/h), the driving gear starts automatically, thus providing sufficient thrust.

2. On public roads – as trailer combination: Once the driving gear is switched off, the drive unit can achieve a speed of 50 mph (80 km/h) in the transport combination with a prime mover.

3. For in-plant transports: For in-house transports, the drive unit with PPU can be controlled via remote control.

4. Mechanical “side-by-side” coupling: A further possibility for the in-house transport is the mechanically coupled side-by-side combination. Due to the wide supporting base, payloads with a high centre of gravity can be transported.

5. Mechanical “end-to-end” coupling: The PowerBooster can be used as a traction unit at the front or as a thrust machine at the rear part of extremely long combinations.
AREAS OF USE

/ On-site / on public roads, global

PAYLOAD RANGE

/ Unlimited due to modular design

AVAILABLE MODULES

/ SCHEUERLE-KAMAG K25 H PB
/ SCHEUERLE InterCombi PB
/ SCHEUERLE WideCombi PB
/ SCHEUERLE HighwayGiant PB
/ KAMAG PTL OffroadTrailer PB

ADVANTAGES

/ PB-vehicles can be towed up to 50 mph (80 km/h)
/ Once arrived at its destination, the vehicle can be operated as a self-propelled modular transporter
/ Additional thrust can save an additional tractor during operation
/ PB-vehicle modules can be coupled into bigger vehicle compounds
/ Extra traction off-road
GENERAL ACCESSORIES
SIDE GIRDER BRIDGES

230 t

300 t

350 t

350 t

550 t

620 - 1,000 t
GENERAL ACCESSORIES
RANGE OF DECKS/ADAPTERS

Telescopic excavator deck

Crane adapter Liebherr for crawler cranes

Wind tower adapter WT40

Telescopic flatbed deck

Crane adapter Terex for crawler cranes

Wind tower adapter WT50

Bolster
Benefit from us!
Whether you would like to convert an existing fleet or solve individual transportation issues – TII Sales offers the required expertise to always provide customers of the TII Group with the ideal solution. We recognize specific requirements, discuss them with you and promptly offer the best vehicles. In doing so, we will focus on the future together. How is the market developing, how can you change your existing fleet if needed, which accessories and expansions are worth considering to grow your business – TII Sales will advise you in all of these questions and provide you with the collective know-how of all four companies.

Available to you 24/7
SCHEUERLE, NICOLAS, KAMAG and TIGER have bundled their customer service for all brands and sites in the joint sales organization TII Sales GmbH & Co. KG. With a wide network of representatives and their own distribution centers, the TII Sales staff is available as your point of contact around the world. This guarantees comprehensive consulting on the spot, right from the start.
Engineering hand in hand
In close cooperation with developers and designers, the project engineers of the TII Group develop application-specific solutions. In close consultation with the customer, the respective requirements are first identified and analyzed with the customer. Then, we determine which modifications must be made on existing models or what a redevelopment needs to look like to meet all your needs.

With you through all project stages
Customers are continuously assisted by the sales team even when it comes to order processing. From proposal via project implementation all the way to delivery, you will be assisted by the TII Sales representative responsible for you. Members of the sales organization are traveling around the globe. They have a vast know-how of industries and an eye for individual solutions. They will be there for you whenever and wherever they are needed.

Contact Sales
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E-Mail: sales@tii-sales.com
The service offered by the TII Group provides for global support during the entire service life of the vehicles. Service team members can be reached 24/7 via a free hotline. From the acceptance of new vehicles, training and instructions on the vehicle via modifications and overhauls all the way to repairs and the supply of spare parts, the TII Group offers all types of services to ensure the efficient operation of the vehicles for their customers worldwide. This range of services is complemented by accompanying support services. In particular, this includes financing support, procurement of used vehicles to other interested parties, consulting on planned transports as well as tailor-made service packages. Building on the specific product data, the documentation and operating instructions, training measures are performed on the product to address the customer’s needs. An essential element of the service range also includes modifications and overhauls. With targeted measures, customers can ensure an even longer-term use of the vehicles acquired. Immediate support is ensured by the global cooperation with service partners and our own technicians. A well-assorted stock of spare parts facilitates prompt maintenance. The TII Group offers security of supply for spare parts and small accessories for the entire product range and the regular life cycle of a product, thus guaranteeing operational reliability for the user.

Contact Service

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CAREER
AT THE TII GROUP

TII as an employer
The TII Group offers its employees opportunities that would not normally be available in major corporations. The international character of the business with heavy-duty vehicles – over 70% are exported worldwide – brings a cosmopolitan flair to the daily working life. A steelworks vehicle for Oman, a modular transport solution for Colombia, mining equipment for Australia. At the TII Group, new employees notice from the very beginning that they are moving something on a global scale, both literally and figuratively. Joining the company is possible at all stages of life – the TII Group offers opportunities for trainees, students, young and experienced professionals.

Vocational Training
At the company’s in-house vocational training center, the TII Group provides apprenticeships in all professions typical for the industry. In the process, future construction mechanics, mechatronics engineers, product designers, industrial clerks and office clerks are not only provided with solid basic knowledge but also specialist knowledge. Due to insights gained in related departments such as design or project planning, apprentices at the TII Group get a glimpse of the bigger picture early on.

Cooperative studies, internships or final paper
Be it engineering, business management or computer science: The TII Group offers dual courses of study in cooperation with renowned colleges (DHBW). Furthermore, students often like taking the opportunity to gain their first professional experience through internships at the TII Group.

Starting out with and without professional experience
The TII Group offers attractive career options for qualified skilled workers, young professionals and professionals with years of experience. Be it as a skilled worker in production, as an engineer in design or as a manager in sales – dedication and performance are rewarded at the TII Group. Our global presence offers an interesting working environment, not only for members of the sales and service staff traveling around the globe. Flat hierarchies and open structures guarantee responsible, independent actions.

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