ROAD TRANSPORTATION
COMPACT VEHICLES
Senator E. h. Otto Rettenmaier, multi-entrepreneur and founder of the TII Group

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 TIGER 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 17,200 tons and more all the way to vehicles for stock handling in yard logistics.
COMPACT VEHICLES

OVERVIEW

ROAD TRANSPORT – COMPACT VEHICLES

<table>
<thead>
<tr>
<th>Model</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>EuroLight</td>
<td>08</td>
</tr>
<tr>
<td>EuroFlex</td>
<td>10</td>
</tr>
<tr>
<td>EuroAxle</td>
<td>12</td>
</tr>
<tr>
<td>SuperFlex</td>
<td>14</td>
</tr>
<tr>
<td>EuroCompact</td>
<td>16</td>
</tr>
<tr>
<td>Combinations</td>
<td>20</td>
</tr>
<tr>
<td>Accessories</td>
<td>22</td>
</tr>
<tr>
<td>Options</td>
<td>23</td>
</tr>
</tbody>
</table>
EUROLIGHT
THE SOLUTION FOR TRANSPORTING HIGH LOADS

The SCHEUERLE-NICOLAS EuroLight is a versatile and sturdy drop-deck trailer, particularly suited for transporting agricultural and forestry machinery with a high centre of gravity and a great loading height.

TECHNICAL DATA AT 80 KM/H

<table>
<thead>
<tr>
<th>Axles</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total weight</td>
<td>kg 53,000</td>
</tr>
<tr>
<td>Dead weight</td>
<td>kg 16,100</td>
</tr>
<tr>
<td>Payload</td>
<td>kg 36,900</td>
</tr>
<tr>
<td>Fifth wheel load high (low: 21,500 kg)</td>
<td>kg 24,000</td>
</tr>
<tr>
<td>Fifth wheel load (at 10 km/h)</td>
<td>kg 25,000</td>
</tr>
<tr>
<td>Axle load</td>
<td>kg 12,000</td>
</tr>
<tr>
<td>Length from centre pin to rear</td>
<td>mm 12,000</td>
</tr>
<tr>
<td>Total width</td>
<td>mm 2,550</td>
</tr>
<tr>
<td>Loading length of the deck (retracted)</td>
<td>mm 6,610</td>
</tr>
<tr>
<td>Loading length of the deck (telescopically extended)</td>
<td>mm 11,610</td>
</tr>
</tbody>
</table>

AREAS OF USE
/ Transport on public roads, Europe

AVAILABLE VERSIONS
/ Flatbed or centre beam
/ Gooseneck with external beams, active or removable
/ Rigid, pendulum axle or single-wheel suspension

AVAILABLE ACCESSORIES
/ Tool box
/ Various load distributors and materials for load securing
/ Alu loading ramps for access to rear loading area
/ Removable loading areas
/ Single or double telescopic function of the low deck
/ Wide excavator recess
/ Central lubrication system
/ ITAP function: Diagnosis and error display and management via iPad or smartphone
/ TPMS function: Tyre-pressure and temperature display on iPad or smartphone
/ Twist lock

ADVANTAGES
/ Optimized dead weight
/ Foldable extension supports
/ New, simplified steering unit installed in gooseneck
/ Bogie height adjustment via the iLevel function
EUROFLEX
FOR CONSTRUCTION AND AGRICULTURAL EQUIPMENT

The SCHEUERLE-NICOLAS EuroFlex is a lighter semi-trailer, mainly used in the construction industry but also to transport agricultural and forestry machinery.

TECHNICAL DATA AT 80 KM/H

<table>
<thead>
<tr>
<th>Axles</th>
<th>3</th>
<th>4</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steering system</td>
<td>friction steered</td>
<td>friction steered</td>
<td>forced steering</td>
<td>forced steering</td>
<td>forced steering</td>
</tr>
<tr>
<td>Total weight approx.</td>
<td>kg</td>
<td>48,000</td>
<td>58,000</td>
<td>48,000</td>
<td>58,000</td>
</tr>
<tr>
<td>Dead weight approx.</td>
<td>kg</td>
<td>10,000</td>
<td>11,000</td>
<td>11,500</td>
<td>12,500</td>
</tr>
<tr>
<td>Payload approx.</td>
<td>kg</td>
<td>38,000</td>
<td>47,000</td>
<td>36,500</td>
<td>45,500</td>
</tr>
<tr>
<td>Fifth wheel load</td>
<td>kg</td>
<td>18,000</td>
<td>18,000</td>
<td>18,000</td>
<td>18,000</td>
</tr>
<tr>
<td>Fifth wheel load (at 10 km/h)</td>
<td>kg</td>
<td>24,000</td>
<td>24,000</td>
<td>24,000</td>
<td>24,000</td>
</tr>
<tr>
<td>Axle load</td>
<td>kg</td>
<td>10,000</td>
<td>10,000</td>
<td>10,000</td>
<td>10,000</td>
</tr>
<tr>
<td>Length from centre pin to rear</td>
<td>mm</td>
<td>11,650</td>
<td>11,650</td>
<td>11,650</td>
<td>11,650</td>
</tr>
<tr>
<td>Total width</td>
<td>mm</td>
<td>2,550</td>
<td>2,550</td>
<td>2,550</td>
<td>2,550</td>
</tr>
<tr>
<td>Length of loading area approx.</td>
<td>mm</td>
<td>9,000</td>
<td>9,000</td>
<td>9,000</td>
<td>9,000</td>
</tr>
<tr>
<td>Total length (trailer + SZM)</td>
<td>mm</td>
<td>16,500</td>
<td>16,500</td>
<td>16,500</td>
<td>16,500</td>
</tr>
<tr>
<td>Length of telescope (single)</td>
<td>mm</td>
<td>6,400</td>
<td>6,400</td>
<td>6,400</td>
<td>6,400</td>
</tr>
</tbody>
</table>

AREAS OF USE
- Transport on public roads, Europe

AVAILABLE VERSIONS
- Semi-trailer with 3 to 4 axles, rear steering
- Semi-trailer with 3 to 7 axles, forced steering
- Continuous loading area
- Air-suspended/hydraulically suspended
- Axles: rigid, trailing, lift axles, or hydraulic
  forced steering

AVAILABLE ACCESSORIES
- Single-acting or double-acting extension for platform
- Two-part ramps, short or long hydraulic lifting bed
- Hydraulic support front and/or rear
- Central lubrication system
- ITAP function: Diagnosis and error display and
  management via iPad or smartphone
- TPMS function: Tyre-pressure and temperature
  display on iPad or smartphone

ADVANTAGES
- Optimized dead weight
- Wide excavator recess
- Extendable extension supports for a wider
  loading area
- New, simplified steering unit on the gooseneck
- Self-positioning supporter under the two-part ramps
The SCHEUERLE EuroAxle with its patented single-wheel suspension completely redefines this axle technology. Reduced to a maximum, maintenance-free and low-wear – the vehicle almost does without any moving parts, setting standards in terms of payload-deadweight ratio and substantially reducing tyre wear.

WE GIVE WEAR NO CHANCE!

AREAS OF USE

/ Transport on public roads, Europe

AVAILABLE VERSIONS

/ Low-bed semi-trailer
/ Axes with hydraulic forced steering
/ 3 to 6 axles
/ Optional single telescopic

AVAILABLE ACCESSORIES

/ Tool box
/ Materials for load securing
/ Electric or hydraulic winch
/ Various ramps
/ Widened loading area
/ Central lubrication system
/ ITAP function: Diagnosis and error display and management via iPad or smartphone
/ TPMS function: Tyre-pressure and temperature display on iPad or smartphone

ADVANTAGES

/ Maintenance-free and low-wear
/ Lightest axle available on the market
/ Design reduced to a maximum without traverse control arm minimizes causes for wear
/ No track offset and no faulty camber during levelling
/ Lowest unsprung mass under 300 kg per axle – for maximum running smoothness
/ High ground clearance
/ No ruptured hoses due to completely piped hydraulics
The SCHEUERLE Superflex is a compact semi-trailer on pendulum-axle basis, fast and easy to configure for various transport assignments due to its easily removable 2-axle assembly.

### TECHNICAL DATA AT 80 KM/H

<table>
<thead>
<tr>
<th>Model</th>
<th>5 axles</th>
<th>6 axles</th>
<th>7 axles</th>
<th>2+5 axles</th>
<th>2+6 axles</th>
<th>3+6 axles</th>
<th>3+7 axles</th>
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</thead>
<tbody>
<tr>
<td>Total weight (Fifth wheel load low)</td>
<td>kg</td>
<td>81,360</td>
<td>93,360</td>
<td>105,360</td>
<td>105,360</td>
<td>117,360</td>
<td>129,360</td>
</tr>
<tr>
<td>Total weight (Fifth wheel load high)</td>
<td>kg</td>
<td>85,650</td>
<td>97,650</td>
<td>109,650</td>
<td>109,650</td>
<td>121,650</td>
<td>133,650</td>
</tr>
<tr>
<td>Dead weight</td>
<td>kg</td>
<td>20,950</td>
<td>21,350</td>
<td>23,200</td>
<td>23,750</td>
<td>24,800</td>
<td>27,300</td>
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<tr>
<td>Payload (Fifth wheel load low)</td>
<td>kg</td>
<td>64,710</td>
<td>76,300</td>
<td>86,450</td>
<td>85,900</td>
<td>96,850</td>
<td>106,350</td>
</tr>
<tr>
<td>Payload (Fifth wheel load high)</td>
<td>kg</td>
<td>25,650</td>
<td>25,650</td>
<td>25,650</td>
<td>25,650</td>
<td>25,650</td>
<td>25,650</td>
</tr>
<tr>
<td>Fifth wheel load low</td>
<td>kg</td>
<td>21,360</td>
<td>21,360</td>
<td>21,360</td>
<td>21,360</td>
<td>21,360</td>
<td>21,360</td>
</tr>
<tr>
<td>Fifth wheel load high</td>
<td>kg</td>
<td>26,000</td>
<td>26,000</td>
<td>26,000</td>
<td>26,000</td>
<td>26,000</td>
<td>26,000</td>
</tr>
<tr>
<td>Technical fifth wheel height (up to 10 km/h)</td>
<td>kg</td>
<td>12,000</td>
<td>12,000</td>
<td>12,000</td>
<td>12,000</td>
<td>12,000</td>
<td>12,000</td>
</tr>
<tr>
<td>Axle load</td>
<td>kg</td>
<td>14,000</td>
<td>14,000</td>
<td>14,000</td>
<td>14,000</td>
<td>14,000</td>
<td>14,000</td>
</tr>
<tr>
<td>Technical axle load (up to 10 km/h)</td>
<td>kg</td>
<td>650</td>
<td>650</td>
<td>650</td>
<td>650</td>
<td>650</td>
<td>650</td>
</tr>
<tr>
<td>Length from centre pin to rear</td>
<td>mm</td>
<td>15,660</td>
<td>15,660</td>
<td>15,660</td>
<td>15,660</td>
<td>15,660</td>
<td>18,660</td>
</tr>
<tr>
<td>Total width</td>
<td>mm</td>
<td>2,750</td>
<td>2,750</td>
<td>2,750</td>
<td>2,750</td>
<td>2,750</td>
<td>2,750</td>
</tr>
<tr>
<td>Max. width of the vehicle including extensions</td>
<td>mm</td>
<td>3,200</td>
<td>3,200</td>
<td>3,200</td>
<td>3,200</td>
<td>3,200</td>
<td>3,200</td>
</tr>
<tr>
<td>Length of telescope (single)</td>
<td>mm</td>
<td>8,500</td>
<td>8,500</td>
<td>8,500</td>
<td>7,000</td>
<td>7,000</td>
<td>8,500</td>
</tr>
<tr>
<td>Length of loading area (retracted)</td>
<td>mm</td>
<td>12,460</td>
<td>12,460</td>
<td>12,460</td>
<td>12,460</td>
<td>12,460</td>
<td>15,460</td>
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<tr>
<td>Length of loading area (telescopically extended)</td>
<td>mm</td>
<td>20,960</td>
<td>20,960</td>
<td>20,960</td>
<td>20,960</td>
<td>20,960</td>
<td>23,960</td>
</tr>
</tbody>
</table>
The SCHEURLE-NICOLAS EuroCompact is a semi-modular platform trailer often used in the building industry to transport construction machinery, but also stone crushers, transformers and other heavy equipment. The vehicle is more compact than any competitor, which was made possible due to a recessed coupling positioned between the first axle of the dolly bogie. In the design process, a particularly wide and pronounced prism boom recess for the rear trailer unit was ensured, which is positioned very low above the ground. This enables the vehicle to transport very wide and high excavator arms. The SCHEURLE-NICOLAS EuroCompact stands out with its low dead weight. The compact design allows for a maximum loading area whilst the total length remains the same, making the vehicle extremely manoeuvrable.

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

**AVAILABLE VERSIONS**
- 0+3 to 4+6 axles
- Dolly bogie with 1, 2, 3 or 4 axles
- Additional bogies: 1 or 2 axles in the front; 1 axle at the rear
- Excavator, slab and portal deck versions
- Centre distance of 1,360 or 1,500 mm
- Load recess version

**AVAILABLE ACCESSORIES**
- Electric PPU
- Diesel PPU
- Lockable tool box
- Spacer

**ADVANTAGES**
- Low maintenance costs
- Significantly higher payloads due to robust lightweight design
- Optimization of deck length due to compact design of the coupling points
- Optimization of excavation arm recess and decks by using high-tensile steels
- Rotable load extensions with extremely low loading height
- Axle lifting for empty runs
- Enormous axle compensation of 650 mm
EUROCOMPACT
HIGHER PAYLOAD, BIGGER LOADING AREA, MORE COMPACT

Very short distance between centre pin and first axle of the dolly bogie

Wide and very low load recess (550 mm above the road surface)

Extremely compact: Centre distance of 1,360 mm/1,500 mm

TECHNICAL DATA AT 80 KM/H

<table>
<thead>
<tr>
<th>Axles</th>
<th>0 + 3</th>
<th>0 + 4</th>
<th>1 + 3</th>
<th>2 + 4</th>
<th>2 + 5</th>
<th>3 + 5</th>
<th>4 + 6</th>
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</thead>
<tbody>
<tr>
<td>Total weight</td>
<td>kg</td>
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<td>69,020</td>
<td>69,420</td>
<td>93,420</td>
<td>105,420</td>
<td>117,420</td>
</tr>
<tr>
<td>Dead weight</td>
<td>kg</td>
<td>18,900</td>
<td>21,020</td>
<td>22,100</td>
<td>26,370</td>
<td>28,350</td>
<td>30,300</td>
</tr>
<tr>
<td>Payload</td>
<td>kg</td>
<td>38,600</td>
<td>48,000</td>
<td>47,320</td>
<td>67,050</td>
<td>77,070</td>
<td>87,120</td>
</tr>
<tr>
<td>Fifth wheel load (low)</td>
<td>kg</td>
<td>21,500</td>
<td>21,500</td>
<td>21,420</td>
<td>21,420</td>
<td>21,420</td>
<td>21,420</td>
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<tr>
<td>Technical fifth wheel load (at 80 km/h)</td>
<td>kg</td>
<td>26,000</td>
<td>26,000</td>
<td>26,000</td>
<td>26,000</td>
<td>26,000</td>
<td>26,000</td>
</tr>
<tr>
<td>Axle load</td>
<td>kg</td>
<td>12,000</td>
<td>12,000</td>
<td>12,000</td>
<td>12,000</td>
<td>12,000</td>
<td>12,000</td>
</tr>
<tr>
<td>Technical axle load (at 10 km/h)</td>
<td>kg</td>
<td>14,000</td>
<td>14,000</td>
<td>14,000</td>
<td>14,000</td>
<td>14,000</td>
<td>14,000</td>
</tr>
<tr>
<td>Total width</td>
<td>mm</td>
<td>2,750</td>
<td>2,750</td>
<td>2,750</td>
<td>2,750</td>
<td>2,750</td>
<td>2,750</td>
</tr>
<tr>
<td>Length of loading area</td>
<td>mm</td>
<td>5,080</td>
<td>5,080</td>
<td>5,080</td>
<td>5,080</td>
<td>5,080</td>
<td>5,080</td>
</tr>
<tr>
<td>Length of loading area (telescopically extended)</td>
<td>mm</td>
<td>7,780</td>
<td>7,780</td>
<td>7,780</td>
<td>7,780</td>
<td>7,780</td>
<td>7,780</td>
</tr>
</tbody>
</table>

Calculated based on a standard combination. Data may deviate slightly.
COMBINATIONS
COMPACT VARIETY

The SCHEUERLE-NICOLAS EuroCompact can be tailored to almost any load owing to the wide selection of compact dollies, dolly and platform trailers with wide prism boom recess in different numbers of axles and permissible axle load. As the operator, your benefits are twofold, as you can cover a wide range of load cases by one vehicle, thus not only better utilizing the capacities of your vehicles but also saving acquisition and operating costs.
1. Gooseneck
Removable gooseneck with hook coupling

2. Compact dolly
1-axle compact dolly with hook coupling

3. Dolly trailer
1-axle dolly trailer with hook coupling front and rear

4. Additional axle aggregate front
Additional 1-axle aggregate front

5. Additional axle aggregate rear
Additional 1-axle aggregate rear

6. Platform trailer with prism boom recess
3-axle platform trailer with prism boom recess

7. 2-axle compact dolly with hook coupling
2-axle dolly trailer with hook coupling front and rear

8. Additional 2-axle aggregate front
Additional 2-axle aggregate front

9. 2-axle dolly trailer with hook coupling front and rear

10. 3-axle compact dolly with hook coupling
3-axle dolly trailer with hook coupling front and rear

11. Additional 3-axle aggregate front

12. 3-axle dolly trailer with hook coupling front and rear

13. 4-axle dolly trailer with hook coupling front and rear

14. 4-axle platform trailer with prism boom recess

15. 3-axle platform trailer with prism boom recess

16. 5-axle platform trailer with prism boom recess

17. 6-axle platform trailer with prism boom recess
ACCESSORIES
DECKS FOR VARIOUS LOADS

**Excavator deck**
Telescopic and non-telescopic excavator bridges with 300 - 450 mm height

**Girder bridge**

**Flat bed bridge**
Very low flat bed bridge for low loading height

**Special bridges**
Customer specifications

Turnable extensions for extremely low loading height – unique on the market!
OPTIONS
FOR EASY AND SAFE HANDLING

Lashing rings
Great number of lashing rings LC 13.4 t and threads M36 for screwable lashing points

Load securing deck
Lashing eyes with LC 13.4 t capacity

Front coupling
Universal front coupling for different deck heights from 350 mm up to 500 mm

Electric PPU
with integrated oil tank in gooseneck
Available to you 24/7
SCHUERLE, NICOLAS, KAMAG and TIIGER 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.

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.
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
Phone: +49 7941 691 271
Fax: +49 7941 691 178
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

Phone: +49 7941 691 111
E-Mail: service@tii-sales.com
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.

Contact Career
SCHRUELER
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