

**ENGINEUNITY
SINCE 1893**

K

**K.SLA 3 / 1N – 18 / 30 – K.SLA 3 / 1N – 24 / 36
Product Presentation**



PRODUCT RANGE

EXTENDABLE LOW-BED K.SLA SERIES



PRODUCT FAMILY LOW-BED VEHICLES

KÄSSBOHRER LOWBED PRODUCT FAMILY

STANDARD

HYDRAULIC

EXTENDABLE
LOW-BED

NON-EXTENDABLE
LOW-BED

LOW-BED

LOW-LOADER



K.SLA 3 / 1N - 18 / 30
K.SLAR 3 / 1N - 18 / 30
K.SLA 4 / 2N - 18 / 40
K.SLAR 4 / 2N - 18 / 40
K.SLA 5 / 2N - 24 / 50
K.SLA 6 / 3N - 24 / 60

K.SLS 3 / 0N - 18 / 30
K.SLS HS 3 / 1N - 18 / 30
K.SLS 4 / 2N - 18 / 40

K.SLH 3 / 3H - 24 / 36
K.SLH 4 / 3H - 24 / 48
K.SLH S 3 / 3H - 24 / 60
K.SLH S 4 / 3H - 30 / 72

K.SLL 2 / 2H - 18 / 20
K.SLL 3 / 3H - 24 / 30
K.SLL B 2 / 2H - 18 / 24

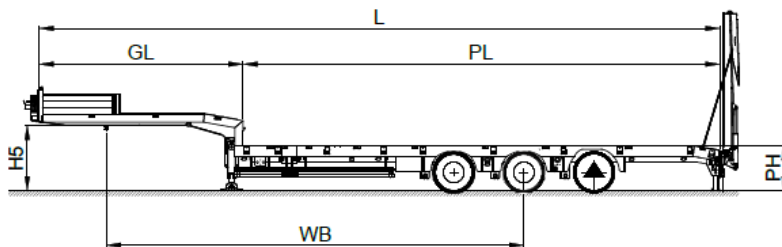


PRODUCT FAMILY

EXTENDABLE LOW-BED PRODUCT GROUP

EXTENDABLE 3-AXLES LOW-BED PRODUCT GROUP

LIGHT

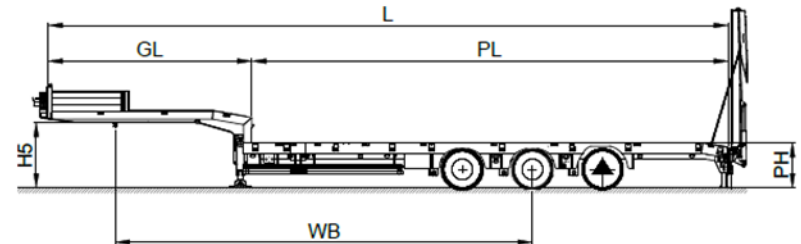


K.SLA 3 / 1N – 18 / 30

King-pin load: 18 ton

Axle load: 3 x 10 ton

HEAVY



K.SLA 3 / 1N – 24 / 36

King-pin load: 24 ton

Axle load: 3 x 12 ton



PRODUCT FAMILY

LIGHT BUT STRONGER BY KÄSSBOHRER

Kässbohrer reengineered the extendable 3 axle low-bed semi-trailer, the new K.SLA 3 series, for setting new standards in heavy goods transportation by **maximizing the payload** for the customers with its **lighter chassis design**.

The new K.SLA 3 series light weight vehicles has tare weights less than 10.750 kg that increase the payload capacity as well as to enable **energy-efficient** and **eco-friendly** heavy goods transportation.

For operational flexibility and safety, the new K.SLA 3 is surrounded by **new pillars and pillar pockets**, and **new lashing rings** with increased capacity up to 10 ton, positioned on the gooseneck, platform and side raves contributing to **optimal load distribution**.





PRODUCT FAMILY

LIGHT BUT STRONGER BY KÄSSBOHRER

Offered with 2 main vehicle variants based on king-pin and axle capacities, available for loads up to **48 ton**, the new K.SLA 3 series is equipped with **enriched load safety** features, hardwood or steel grid floor alternatives and self-steering axle option for a better **maneuverability**.

- K.SLA 3 / 1N - 18 / 30
- K.SLA 3 / 1N - 24 / 36





CONTENT

1. PRODUCT SERIES AND TERMINOLOGY
2. TECHNICAL SPECIFICATIONS
3. KEY FEATURES
4. IMPROVEMENTS
5. PRODUCT CONFIGURATION



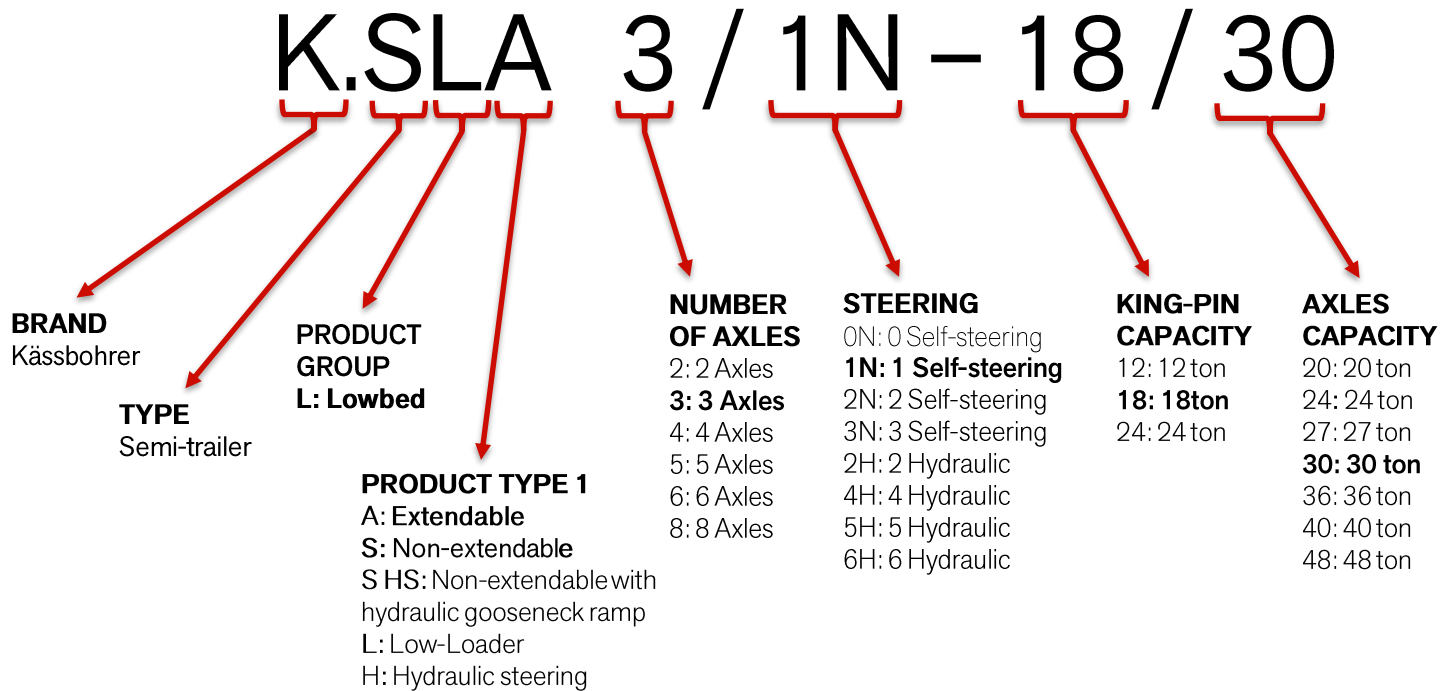
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PRODUCT SERIES AND TERMINOLOGY

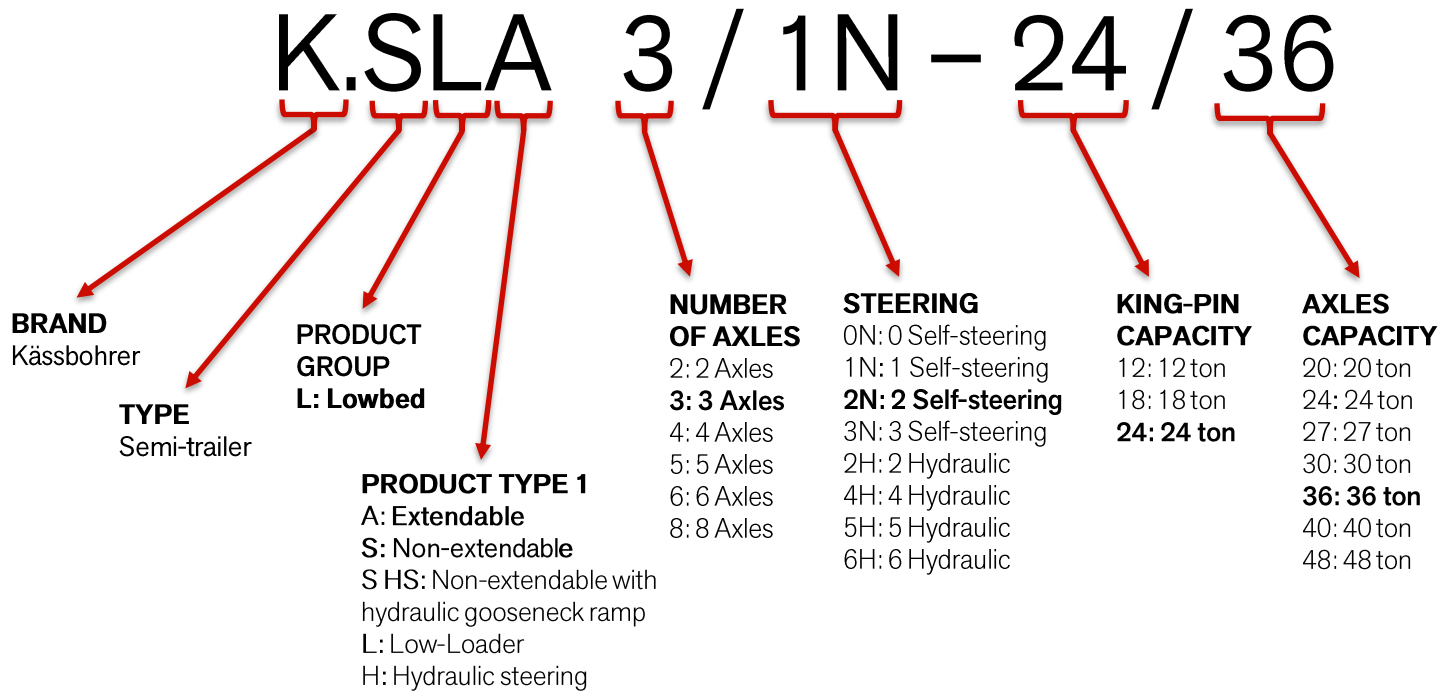
PRODUCT SMART CODING SYSTEM





PRODUCT SERIES AND TERMINOLOGY

PRODUCT SMART CODING SYSTEM





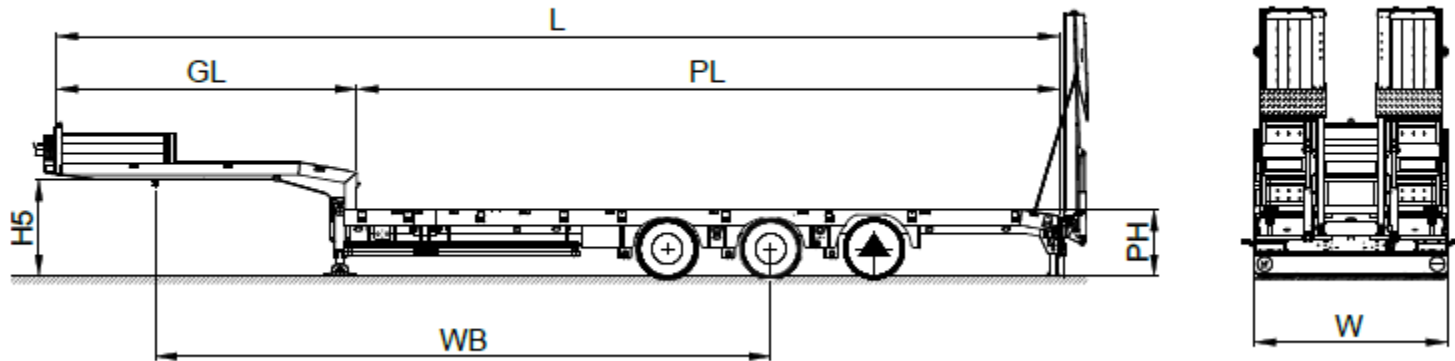
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TECHNICAL SPECIFICATIONS

K.SLA 3 / 1N – 18 / 30



1- Total Length (L)
12.450 mm

2- Front Swing/Rear Swing (FrSw/RrSw)
1.850 mm / 2.300 mm

3- Wheelbase (WB)
8.100 mm

4- 5th Wheel Height (H5)
1.150 up to 1.550 mm

5- Platform Height (Loaded) (PH)
875 mm

6- Total Width (W)
2.550 mm

TECHNICAL CAPACITY

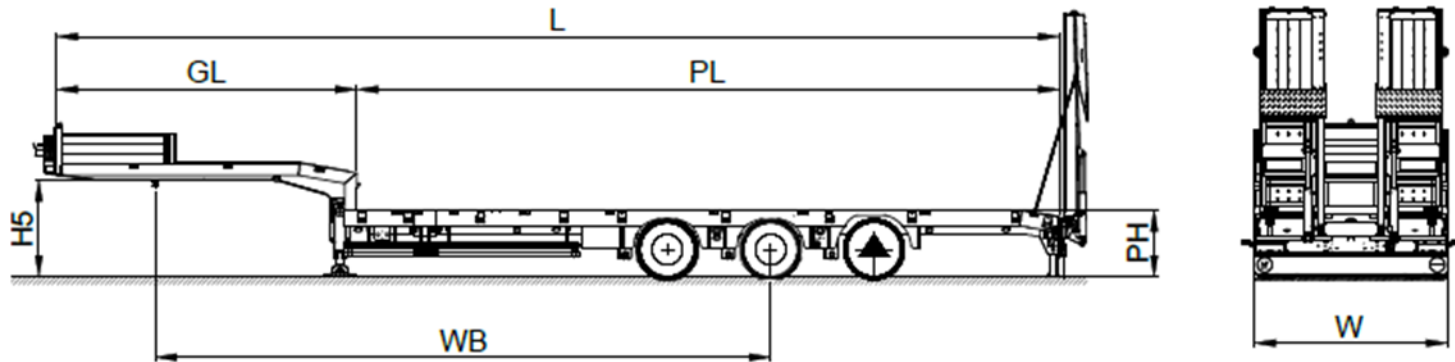
7- Tare Weight ($\pm\%3$)
10.750 kg

8- Total Weight (80 km/h)
42.000 kg

9- Payload (80 km/h)
37.250 KG

TECHNICAL SPECIFICATIONS

K.SLA 3 / 1N – 24 / 36



TECHNICAL CAPACITY

1- Total Length (L)
13.190 mm

4- 5th Wheel Height (H5)
1.150 up to 1.550 mm

7- Tare Weight ($\pm 3\%$)
12.000 kg

2- Front Swing/Rear Swing (FrSw/RrSw)
1.850 mm / 2.300 mm

5- Platform Height (Loaded) (PH)
875 mm

8- Total Weight (80 km/h)
60.000 kg

3- Wheelbase (WB)
8.100 mm

6- Total Width (W)
2.550 mm

9- Payload (80 km/h)
48.000 kg



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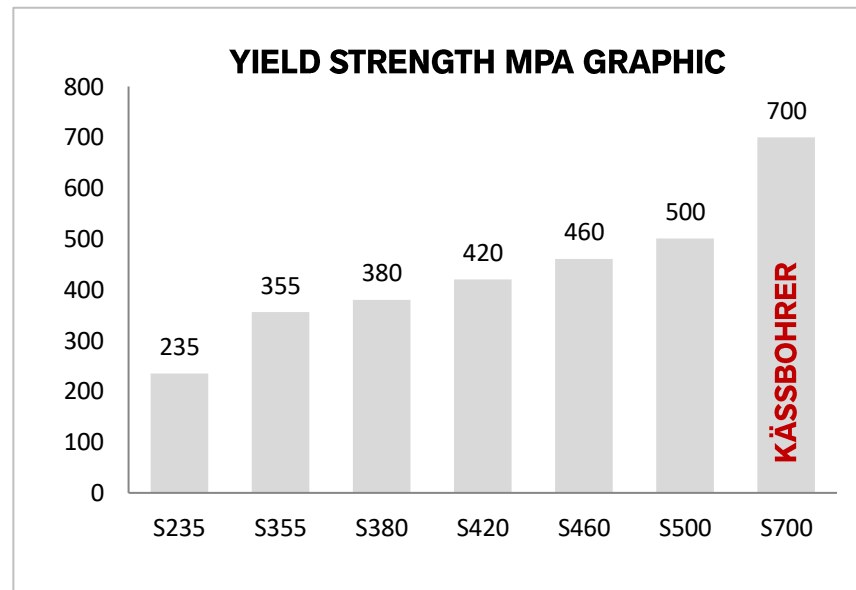
KEY FEATURES

HIGHER STRENGTH AND LESS DEAD WEIGHT

The use of S700 MC steel with **higher yield strength** allows light-weight solutions which directly yields financial savings and less gas emissions.

The market always demands higher payload, less maintenance, fuel savings and increased product life.

A lighter configuration allows payload to be increased on every trip and in many cases less fuel consumption can be obtained.





KEY FEATURES

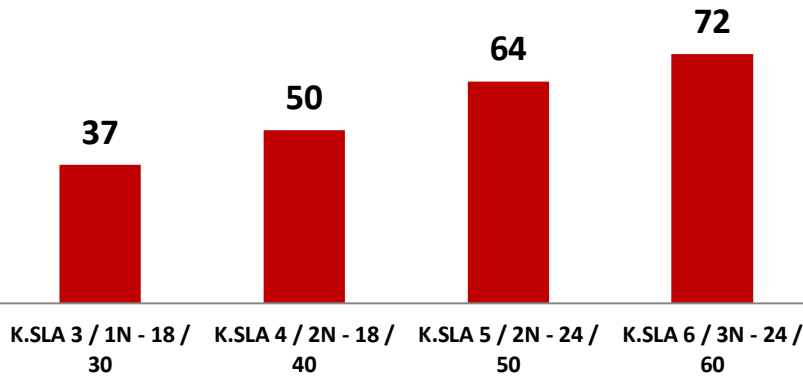
HEAVY-DUTY LOW-BEDS UP TO 76 TON CAPACITY

K.SLA series can transport more up to **76t** (80 km/h) which is vital for heavy-duty transportation in different industries.



Payloads of SLA Series

■ Payload (t)





KEY FEATURES

ENHANCED MANEUVERABILITY WITH SELF-STEERING AXLES

- K.SLA 3's first and second axles are fixed, whereas the last axle is **self-steering that can be steered up to 21°** in order to maximize the **maneuverability** in the toughest road conditions.
- It is in accordance with **P70** StVZO regulation up to 16.190 mm (up to 3.000 mm) extension.



KEY FEATURES

DIMENSIONAL FLEXIBILITY AND ENHANCED LOAD SAFETY

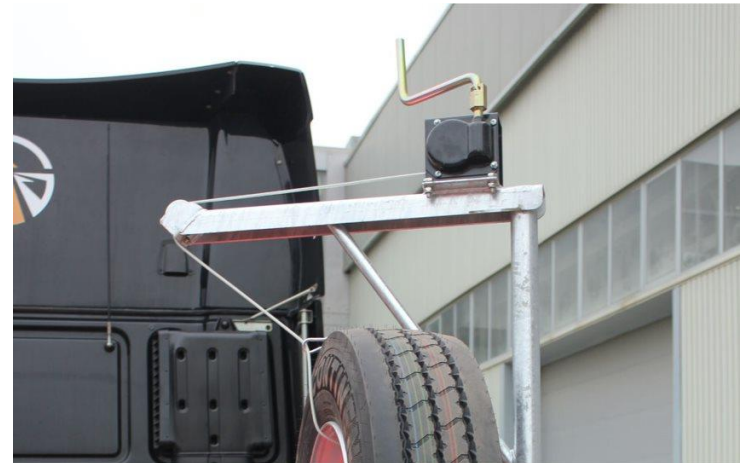
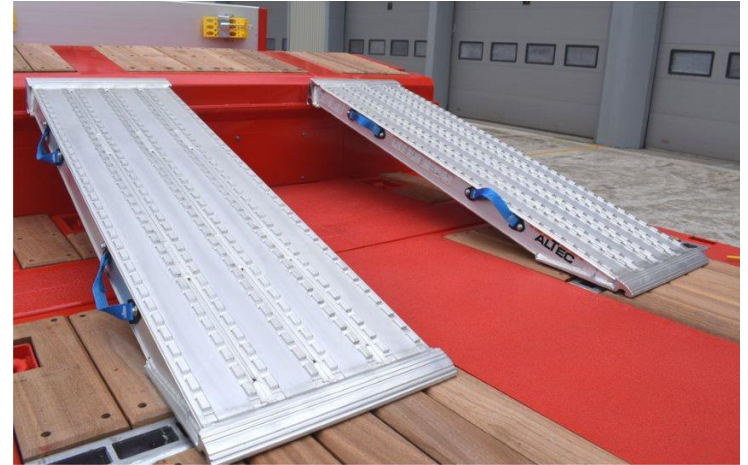
- By the availability **lateral extension brackets**, the vehicle width can be increased up to 3.150 mm. by 2x300 mm. extensions on both sides.



KEY FEATURES

FLEXIBLE USE OF GOOSENECK AREA

- K.SLA series offers **aluminium** or **steel gooseneck ramps** in order to load **light tyred vehicles** on gooseneck area with **24 ton** loading capacity.
- **Spare wheel winch** provide occupational **safety** and **ergonomy** during tyre troubles in order to lift the spare wheel from its storage.

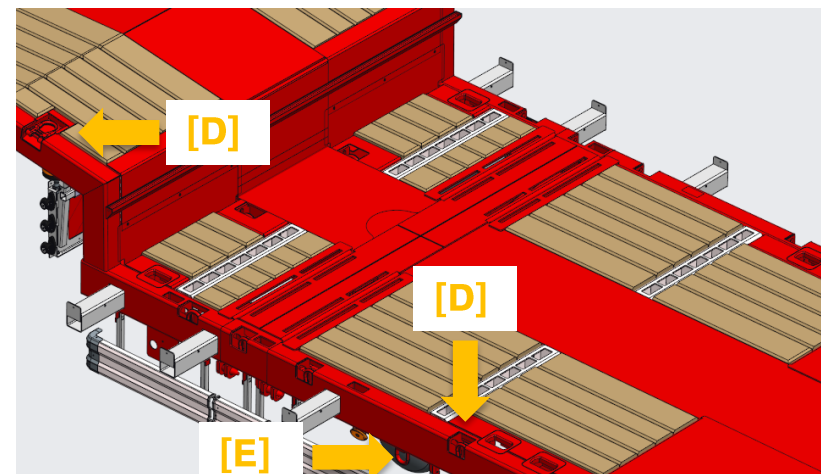
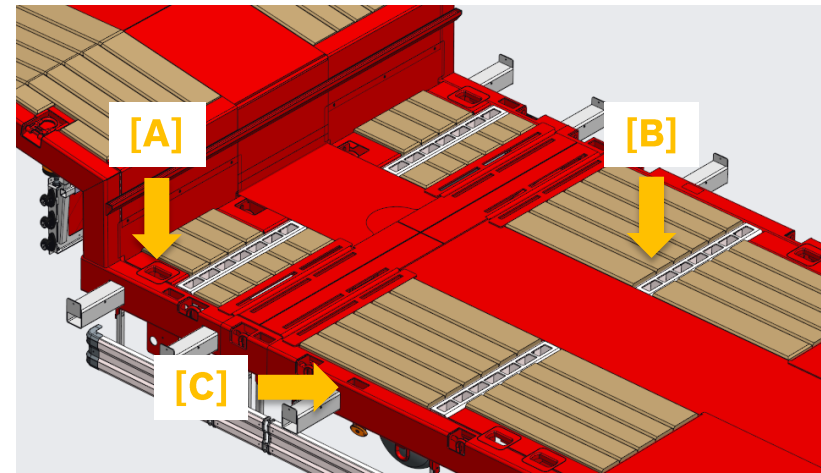


KEY FEATURES

FLEXIBLE AND SAFE TRANSPORTATION

The new K.SLA series provides **multi-functional** and **flexible** transportation by various **load positioning** and **safety** solutions thanks to:

- **[A]:** 5 x 2 units of **container lock pockets** on the platform
- **[B]:** 3 x 2 units of 7-posted detachable **pillar pocket rows** (optional)
- **[C]:** up to 7 x 2 units of **fixed pillar pockets** located on the side raves (optional)
- **[D]:** **Lashing rings**, 2 x 2 units with 5 ton and 1x2 units with 10 ton capacity on gooseneck and 4 x 2 units with 5 ton and 5x2 units with 10 ton capacity on the platform
- **[E]:** **Lashing rings**, 5 x 2 units with 8 ton under the side raves





KEY FEATURES

FLEXIBLE SOLUTIONS FOR CONTAINER TRANSPORT

- The new K.SLA series can transport **1x20, 2x20, 1x30 and 1x40 ft containers** with new type **twist locks** which is attachable and detachable in a few seconds.



KEY FEATURES

FIRST IN THE INDUSTRY: LASHING RINGS WITH 5 AND 10 TON CAPACITY

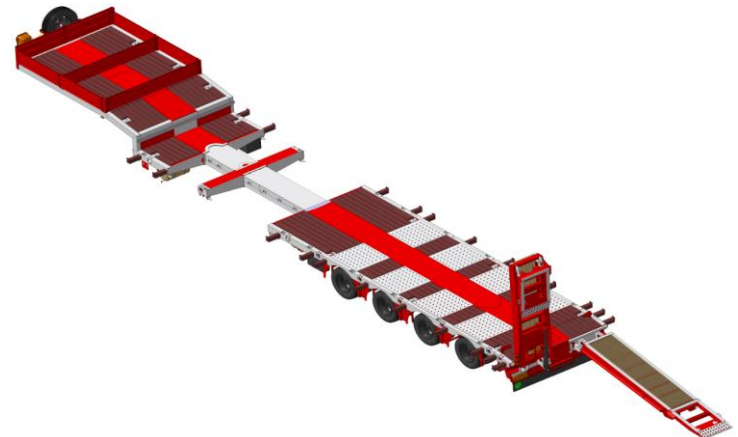
- Newly introduced lashing rings with **10 ton** and **5 ton** capacity are compatible with **DIN EN-12640**.
- DIN EN-12640 certificate and capacity designations are directly written on the lashing rings, so there is no need for finding the documents in case of a police control.
- **Galvanized** rings to prevent abrasion from continuous contact with safety straps.



KEY FEATURES

BEST ANTI-CORROSION PROTECTION

- **Metallization** is the application of a **Zn/Al metal layer** on the chassis before painting which provides the best corrosion resistance up to 20 years.
- Metallization is a proven method which is resistant to 2.000 hours long salted-spray test.
- Full or partial metallization options are available on the new K.SLA series.
- In case of partial metallization, the most frequent areas exposed to heavy-duty loadings are metallized as shown (grey areas are metallized).





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FACELIFT SCOPE

MATERIAL

By the use of **ST52** steel with **lower yield strength**, thicker sections, thus more dead weight was necessary for having the same level of strength.



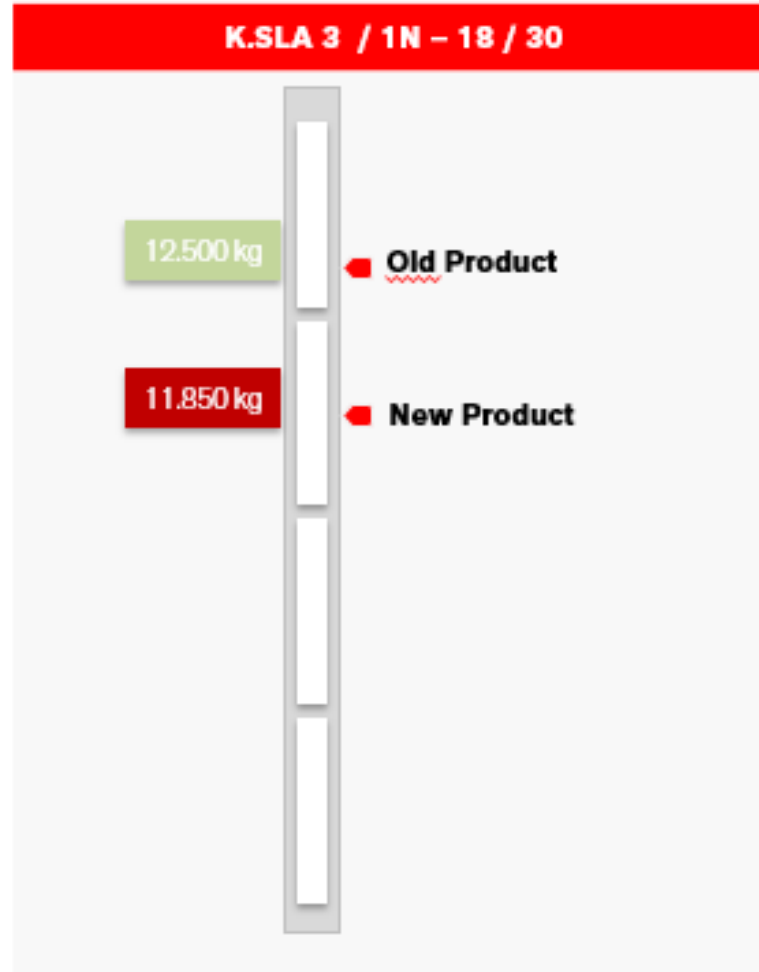
The use of **S700 MC** steel with **higher yield strength** now provides less dead weight which means more payload.





IMPROVEMENTS

LIGHTER BUT STRONGER



IMPROVEMENTS

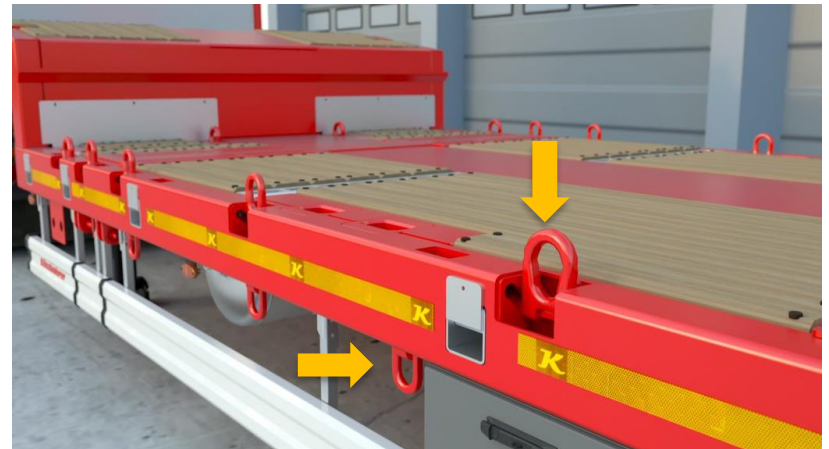
NEW LASHING RINGS WITH MORE CAPACITY

The former version was equipped with **6 ton** conventional type lashing rings.



On the new series, new type **forged lashing rings** are available with **increased capacity of 10 ton and 5 ton**.

Besides, additional lashing rings **on the centre of the platform** and **under the side rails** are also available on the new series.



IMPROVEMENTS

LOWER PLATFORM HEIGHT

- The platform height has been lowered from **890 mm** to **875 mm** facilitating the loading operations and allowing taller goods to be inside the **external height limitations**.



IMPROVEMENTS

NEW CONTAINER LOCK DESIGN

On the former version, the container locks were embedded inside the housing, so it was not retrofittable in case of later purchases.



On the new series, new design **twistlocks** are available enabling to **attach** and **detach in seconds**. They are **retrofittable** for preferences after the purchase of the vehicle.



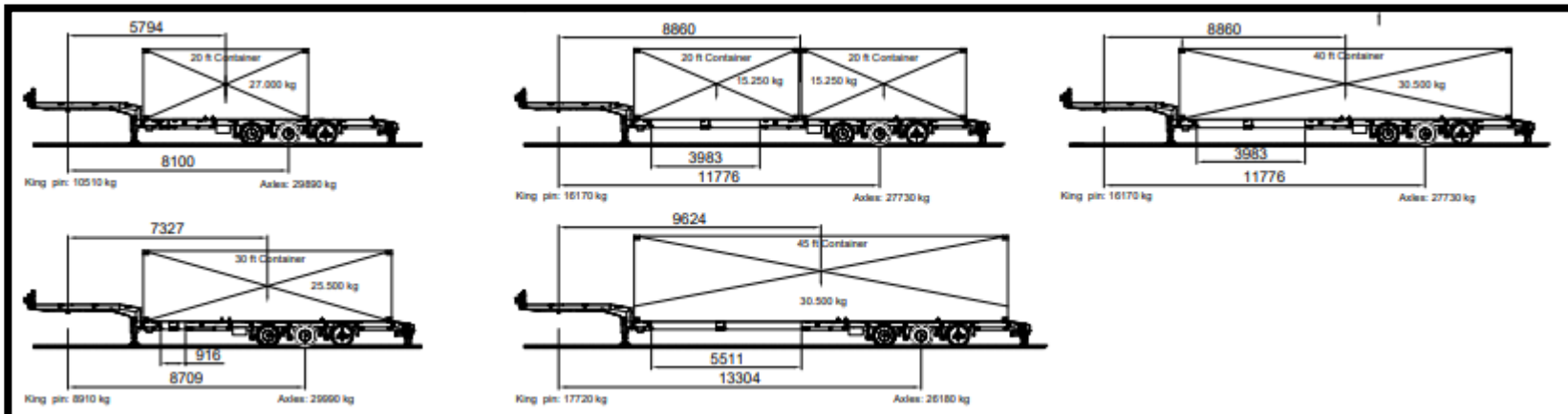
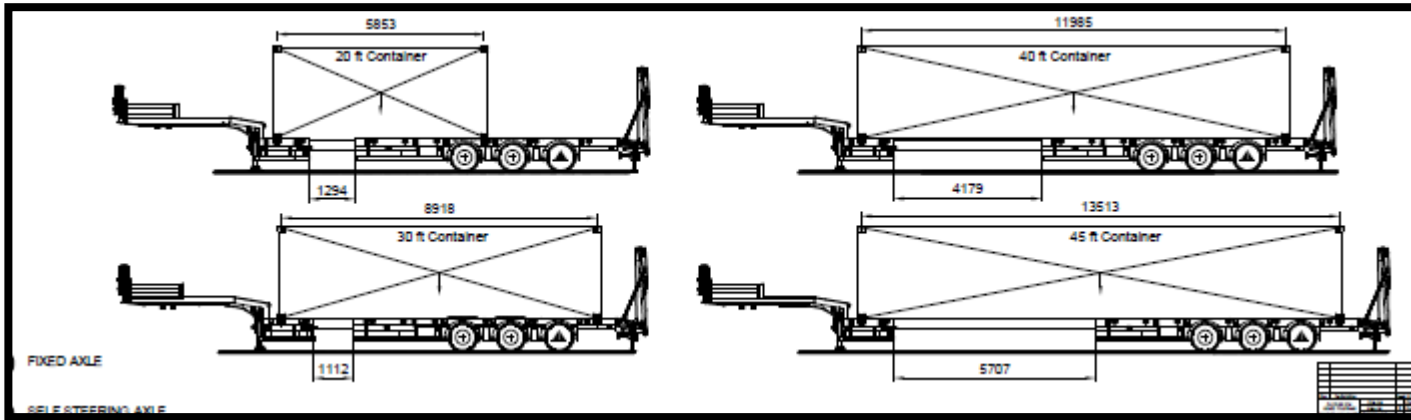


IMPROVEMENTS

NEW CONTAINER LOCK POSTIONS

SLA 3

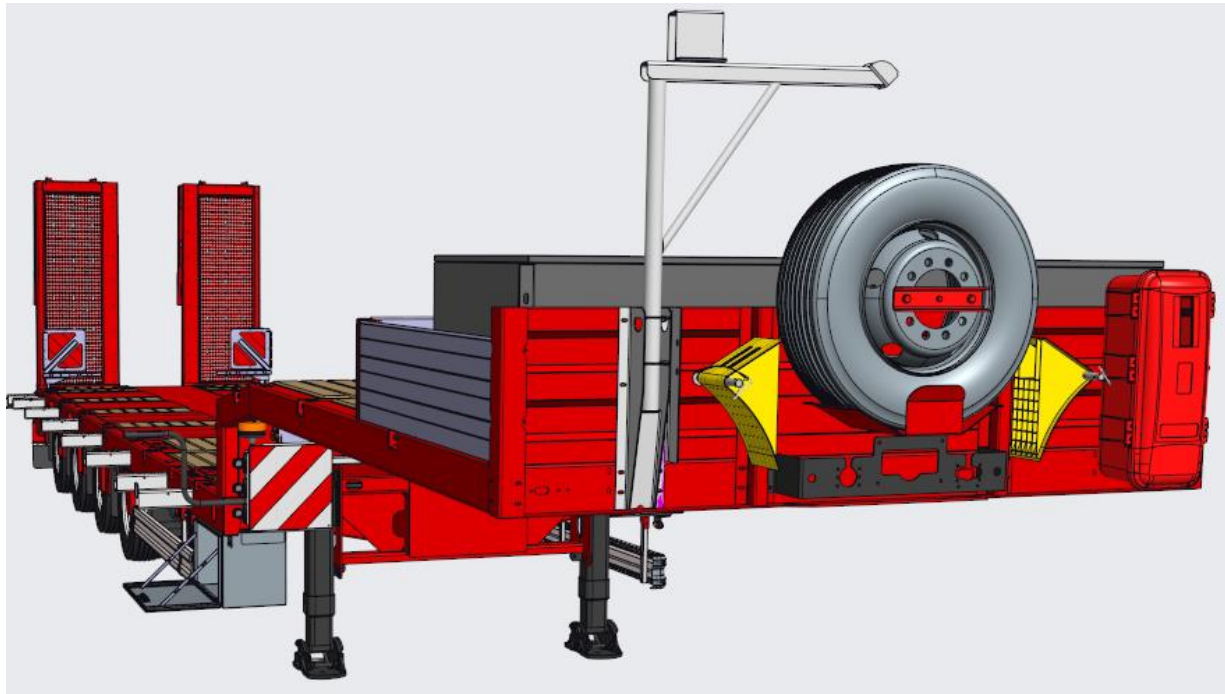
SLA Y 3



IMPROVEMENTS

5TH WHEEL HEIGHT ALTERNATIVES

- On the former version, the **5th wheel height range** was from **1.250 mm** to **1.550 mm**.
- On the new series, this range starts from 1.150 mm, providing **1.150 mm** and **1.200 mm** 5th wheel heights as additional options.

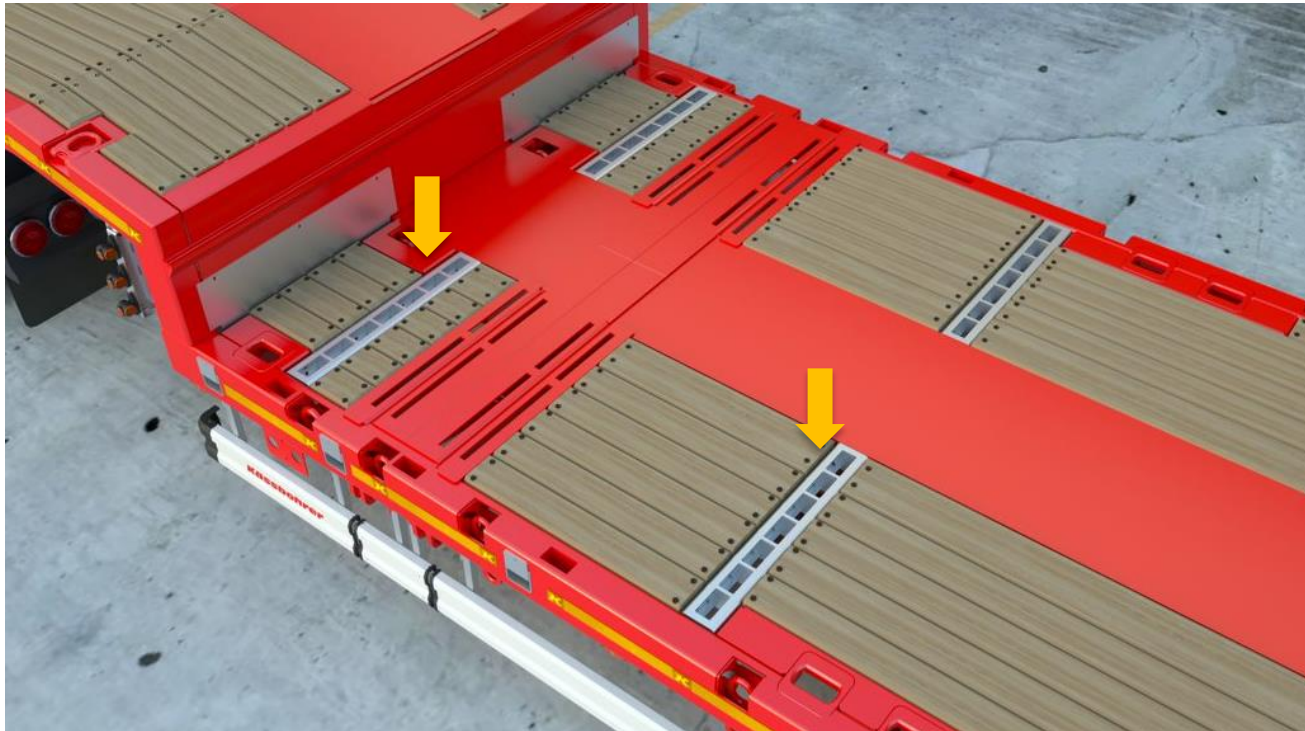




IMPROVEMENTS

VERTICAL PILLAR POCKETS

- On the former version, the option for **vertical pillar pocket** rows
- Now we offer those as an option

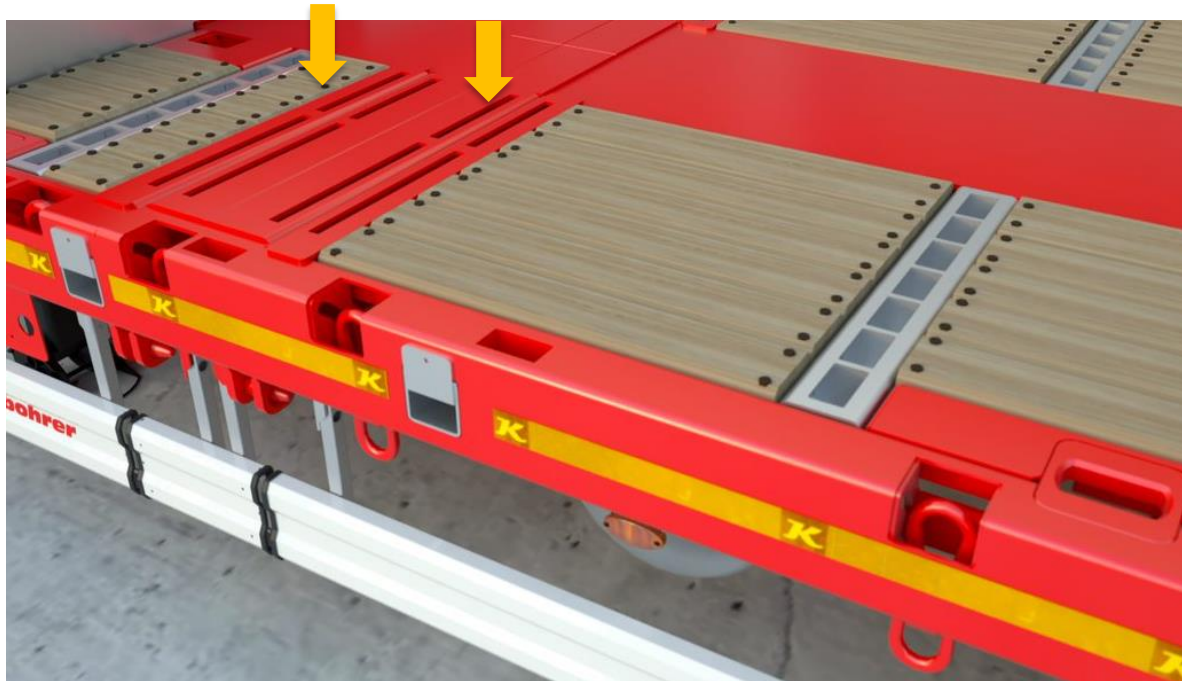




IMPROVEMENTS

EXTENSION BRIDGES

- On the former version, the option for **extension bridges** were not available
- Now we offer those as an option





IMPROVEMENTS

HYDRAULIC REAR LEG

- On the former version, the option for **hydraulic rear landing gear** was not available
- Now we offer those as an option





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PRODUCT CONFIGURATION

STANDARD CONFIGURATION

Axles and Suspension

BPW axles with air suspension and drum brakes

Axles and Steering

2F + 1N (F for Fixed; N for Self-Steering)

Brake System

Wabco, EBS 4S/3M, dual circuit electro-pneumatic brake system according to UN ECE R13 Directive

Electric System

2 x 7 + 1 x 15 pin plug socket according to UN ECE R48 Directive 76/756 along with 24 V lighting installation

Tyres and Rims

12 units of 245/70 R17,5 tyres with steel rims
(Kässbohrer choice)





PRODUCT SERIES

STANDARD CONFIGURATION

Chassis

High tension welded chassis made of S700-MC steel

Floor

Hardwood floor and chequered steel plates on top of the wheels

King-Pin

2" king-pin
1 unit king-pin place (readiness for 3,5" king-pin)

Front Landing Gear

Mechanical landing gear with 50 ton static capacity and 24 ton lifting capacity





PRODUCT SERIES

STANDARD CONFIGURATION

Lashing Rings & K-Fix Holes

On Gooseneck:

2 x 2 units lashing rings with 5 ton capacity and 1 x 2 units with 10 ton capacity

On the Platform:

3 x 2 units with 10 ton capacity and 4 x 2 units with 5 ton capacity

On the Rear Side of Platform:

2 x 2 units lashing rings with 10 ton capacity

On Side Raves:

Application of K-Fix (multi-point load securing points) are positioned all along the side raves. Also 5x2 units lashing rings with 8 ton capacity

Container Lock Positions:

4x2 units of container lock positions suitable for transporting 20, 30, 40 AND 45 ft container





PRODUCT SERIES

STANDARD CONFIGURATION

Accessories

- 2 x 2 units extension warning plates (423 x 423 mm), extendable by 400 mm, with 2 unit LED position light
- 1 unit rear flashing beacon light
- 2 unit plastic wheel chocks and holders
- 4 x 2 units anti-spray mudguards
- UN ECE R70 reflectors
- 1 unit PVC coated **single** lid steel toolbox (Dimensions: 400x360x700 mm)





PRODUCT SERIES

OPTIONAL FEATURES

Options

Pillar Pockets on Side Raves:

7 x 2 units pillar pockets suitable for 52x102 mm pillars

Pillars:

7 x 2 units pillars (50 x 100 x 1.200 mm)

Pillar Pocket Rows:

3x2 units pillar pocket rows with 7 holes suitable for 52x102 mm pillars

Container Locks:

2x2 units or 4x2 units of container locks

Front Panel:

450 mm std panel



PRODUCT SERIES

OPTIONAL FEATURES

Options

- 1st axle lifting
- up to 2 units spare tyres & steel rims
- up to 2 units spare wheel holders: Winch-type on gooseneck
- 2" king-pin + 3,5" pin
- Full or partial metallization
- 1 unit fire extinguisher box without extinguisher
- Various ramp types
- Hubodometer
- PVC coated steel toolbox on gooseneck (2.540 x 460 x 600 mm)
- 1 unit of PVC coated steel toolbox (400 x 360 x 700 mm)



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THANK YOU FOR YOUR ATTENTION

FOR FURTHER INFORMATION

PLEASE CONTACT YOUR AREA SALES MANAGER