

Product Catalog

Locking and safety solutions for transportation of goods

Kinnegrip.

SAFETY ON THE ROAD



Kinnegrip

Kinnegrip, a Swedish company established in 1967, that develops, manufactures and markets locking and safety solutions for commercial vehicles. We have a long experience in developing and producing user friendly and safe solutions for transportation of goods.

Development and manufacturing takes place at the facility in Lidköping, Sweden and Kostrzyn, Poland with local sales offices in Germany and Italy. We have a well-established network of distributors in Europe and Asia. 95% of our business is exported.

Our technical expertise, long experience and flexible production enables us to provide our customers with standardized as well as customized solutions to fit their needs. Our production takes place in-house, using the latest production techniques. All to ensure that our customers receive products of the highest quality standards and performance.

With Kinnegrip as your supplier, you get a committed partner and user friendly and high quality products.

Read more at www.kinnegrip.se



Our solutions

Kinnegrip offers locking and safety solutions in steel and aluminium for commercial vehicles, with the end user in focus.

- K pillars**
Dropside and pendelum pillar systems for medium and heavy commercial vehicles.
- T50**
Dropside lock systems for light commercial vehicles.
- C10 pillars**
Pillars for Curtainsider.

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Our ambition - safe locking solutions with the end user in focus

K20

K20 is a state of the art locking system for flatbed constructions consisting of dropside locks for medium and heavy commercial vehicles.

K20 is a user friendly and flexible locking system available in different heights and configurations. Designed for dropsides from 400 mm, available in ED-coated or galvanized steel and aluminium.

The K20 pillar is a user friendly and safe solution, mounted on the side rave of the flatbed. The pillar, which has a built in safety solution, folds down easily to hang in the support during loading and unloading. This gives an open and easily accessible load area with focus on good functionality, high level of personal safety and easy handling.

- Available in steel and aluminium
- Standardized and customized solutions
- User friendly with high safety standard
- Provides accesible loading area



Functionality

K20 dropside lock is designed for flatbeds with external mounted dropsides. The pillar is locked in the pillar support mounted onto the side rave of the flatbed. In the pillar there are rule rods which in a locked position are fixed in a dropside catch. The dropside catch is mounted onto the flatbed dropsides. When the pillar handle is opened, the rule rod moves down enabling the dropside to be folded down.

To release the pillar from the pillar support, push both handles down to the end position, which releases the wedge which is engaged in the support. The pillar can then be folded out and either hung down or released to give a completely open load area.



Design and safety

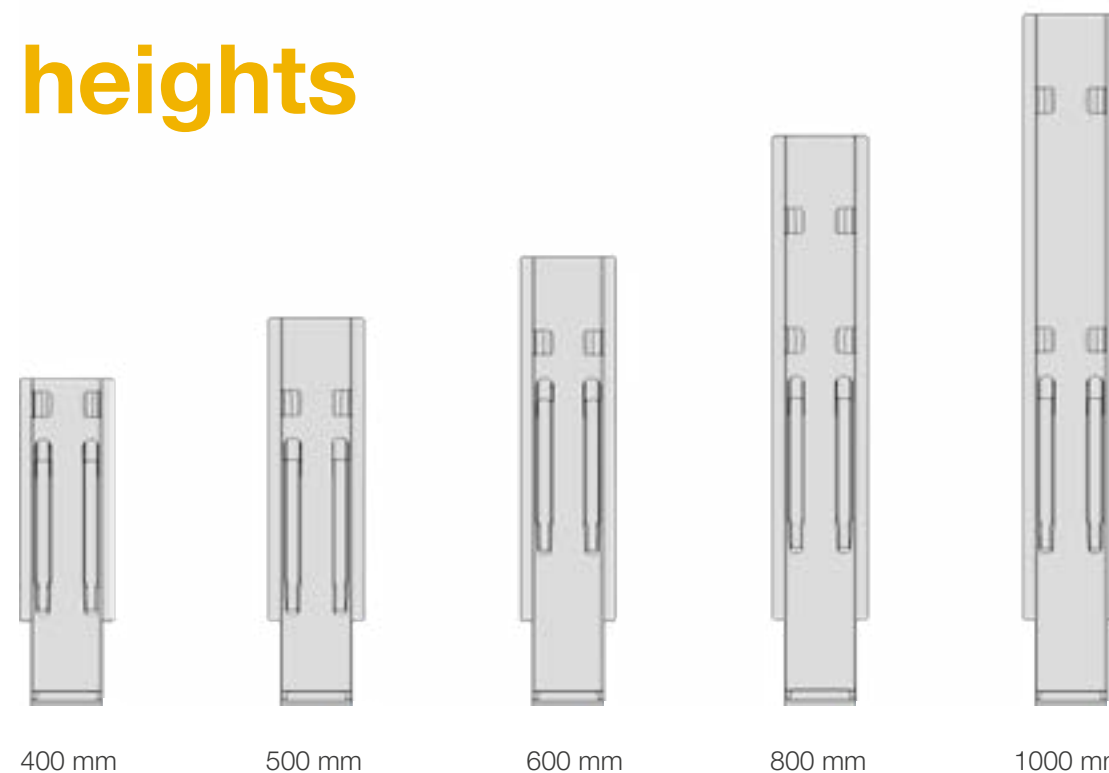
The pillar is fitted with a load indicator that prevents unintentional or risky operation. The load indicator indicates when there is a pressure on the inside of the dropside panel due to load displacement.

As a safety for the user, both handles must be pushed down to the end position in order to release.

Dropside locks for medium & heavy vehicles



Available in different heights



K20 Solutions

K20 Aluminium Pillar Without Gates

The K20 aluminium pillar enables, among other things, the construction of a center pillar for box constructions. It is available in the Kinnetop version as well as in a standard version upon request. Extension profiles are included in the standard range. From winter 2022/2023, a 600 mm KT version without gates is part of the standard range.



K20 Tool Box

The toolbox is designed for reliability and ease of use. With a simple and intuitive operation, it ensures convenience for any user. No matter the length of the box, a single sturdy handle provides a secure and comfortable grip, making transportation effortless.

K20 Kinnetop Solutions



K20 Pendulum pillar

The Ultimate Solution for Safer and Smarter Tipper Transport

Kinnegrip's K20 Pendulum Pillars are designed to address these needs with advanced materials and smart design. Available in lightweight aluminum and durable steel, the pillars combine flexibility and strength to meet a wide range of transport requirements.

The K20 system is designed to meet high standards for load security and driver safety. Its double-handle locking mechanism prevents unintentional opening during transport, ensuring that the cargo remains stable and secure throughout the journey.

With a focus on safety and efficiency, the K20 pillars are a reliable choice for today's transport challenges and future demands

- Available in steel and aluminium
- User-friendly with high security
- Enables pendulum function for both rear and side mounted dropsides
- Flexible system



Improved Workflow Efficiency

The pendulum pillar design enables flexible mounting, both rear- and side-mounted, simplifying loading and unloading processes. Its user-friendly features allow operations from ground level, saving time and reducing effort for drivers

The K20 system complies with the stringent EN 12642 standard, making it a reliable choice for secure transport. Multiple safety mechanisms protect both the user and the cargo.

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Flexible Combo solution

Kinnegrip's pendulum pillars are available in a unique solution called Combo, designed for maximum versatility. The Combo setup allows for a rear pendulum gate that swings, combined with traditional drop-side gates along the vehicle's sides. This means using standard drop-side locks and brackets for the side gates while equipping the rear gate with a pendulum pin solution.

This innovative combination ensures both secure and efficient handling, catering to various transport needs.



Available material options

The K20 Pendulum Pillar is now available in steel, following its successful launch in aluminum.

Designed to provide a lightweight yet durable solution, the aluminum pillars are offered in lengths of 400 mm, 600 mm, and 800 mm. The newly launched steel version brings enhanced strength, ideal for more demanding applications, and is available in lengths of 400 mm, 600 mm, 800 mm, and 1000 mm. These are available with ED-coated and hot-dip galvanized surface treatments, ensuring high durability and performance.



K5

K5 is a locking system for flatbed constructions consisting of dropside locks for medium and heavy commercial vehicles.

K5 is a robust locking system available in different heights and configurations. Designed for dropsides from 400 mm, available in ED-coated steel.

The K5 is designed for exterior dropsides. The pillar is mounted on the side rave of the flatbed and can easily be removed. This gives an open and easily accessible load area with focus on good functionality, high level of personal safety and easy handling.

- Available in ED coated steel
- User friendly with high safety standard
- Provides accesible loading area



Functionality

The K5 dropside lock pillar is designed for flatbeds with overlying dropsides. The pillar is secured in a recessed support mounted on the side rave of the flatbed. To open the dropsides, pull both handles upwards. To release the pillar from the support, push both handles up to the end position, which releases the wedges that are engaged in the support. The pillar can then be folded outwards and removed, providing a completely open load area.



Design and safety

In order to secure safe handling, the pillar is designed to open in two stages. In the first position, push the handles up to release the dropside. In the second position, release the pillar from its support by pushing both handles up to the end position.

Dropside locks for medium & heavy vehicles



Available in different heights



400 mm

600 mm

800 mm

1000 mm

1100 mm

1200 mm

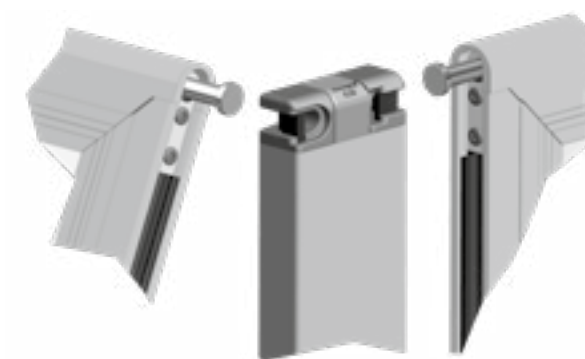
K30

K30 is a dropside pendelum pillar for tippers.

K30 is a smart and flexible locking system for tippers. The K30 is available in side, rear and front pillars for dropside heights between 600–1200 mm. The pillar is available in aluminium.

The height position of the pendulum pin can be adjusted easily for alignment with the pendulum bearing. The K30 pillar is designed for exterior dropsides with a focus on good functionality, high personal safety and easy handling.

- Available in aluminium
- Unique system for easy pendelum pin adjustment
- Flexible locking system for tippers
- Designed for exterior dropsides



Functionality

The K30 pillar is designed for exterior dropsides. The pillar is mounted in a support fitted onto the side rave of the flatbed.

The K30 has two functions: one to fold down the dropside, the other to achieve a pendulum function by opening the hinges mounted on the side rave.

Design and safety

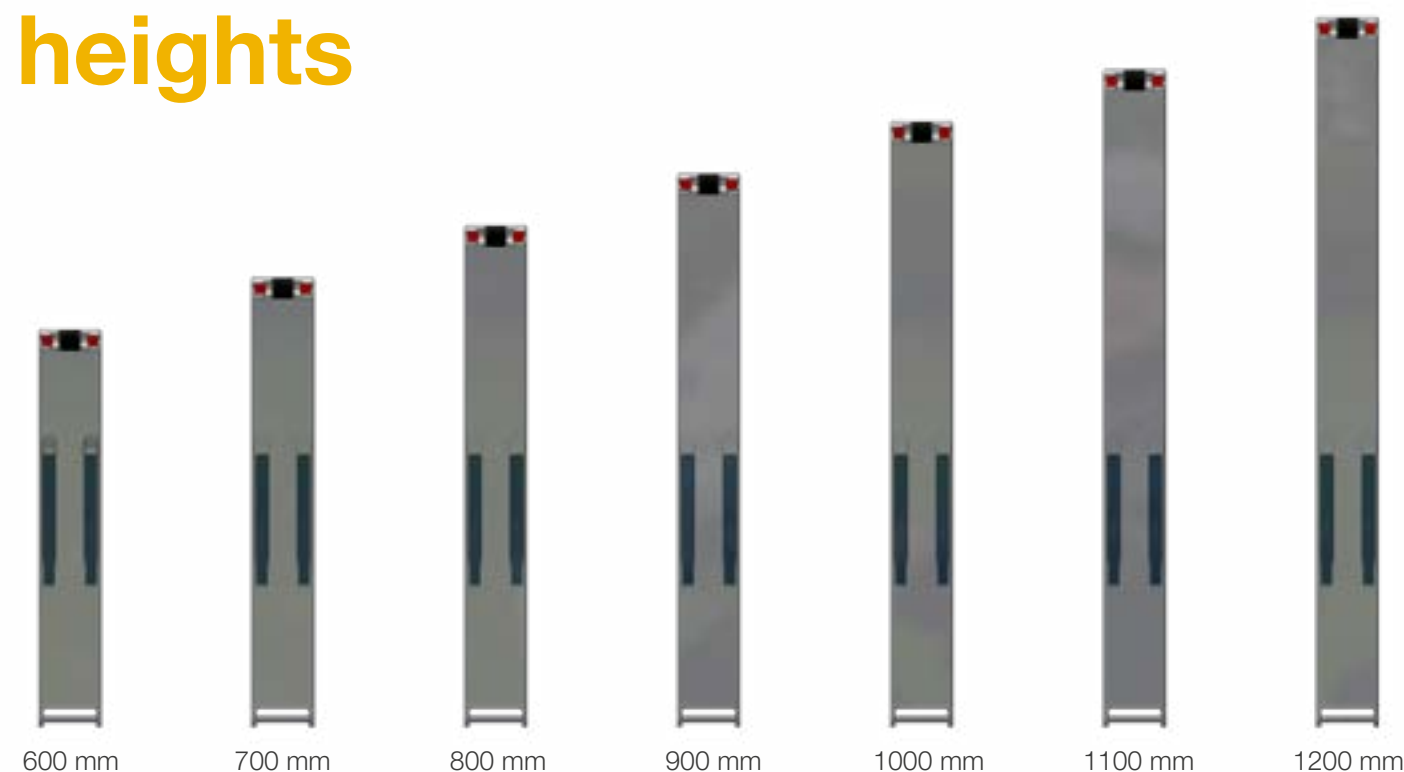
The height position of the pendulum pin can be adjusted easily for alignment with the pendulum bearing.

As a safety for the user both handles must be pushed down to the end position in order to release the dropside. The pillar can then be folded out and either hung down or released to give a completely open load area.

Dropside locks for tippers



Available in different heights

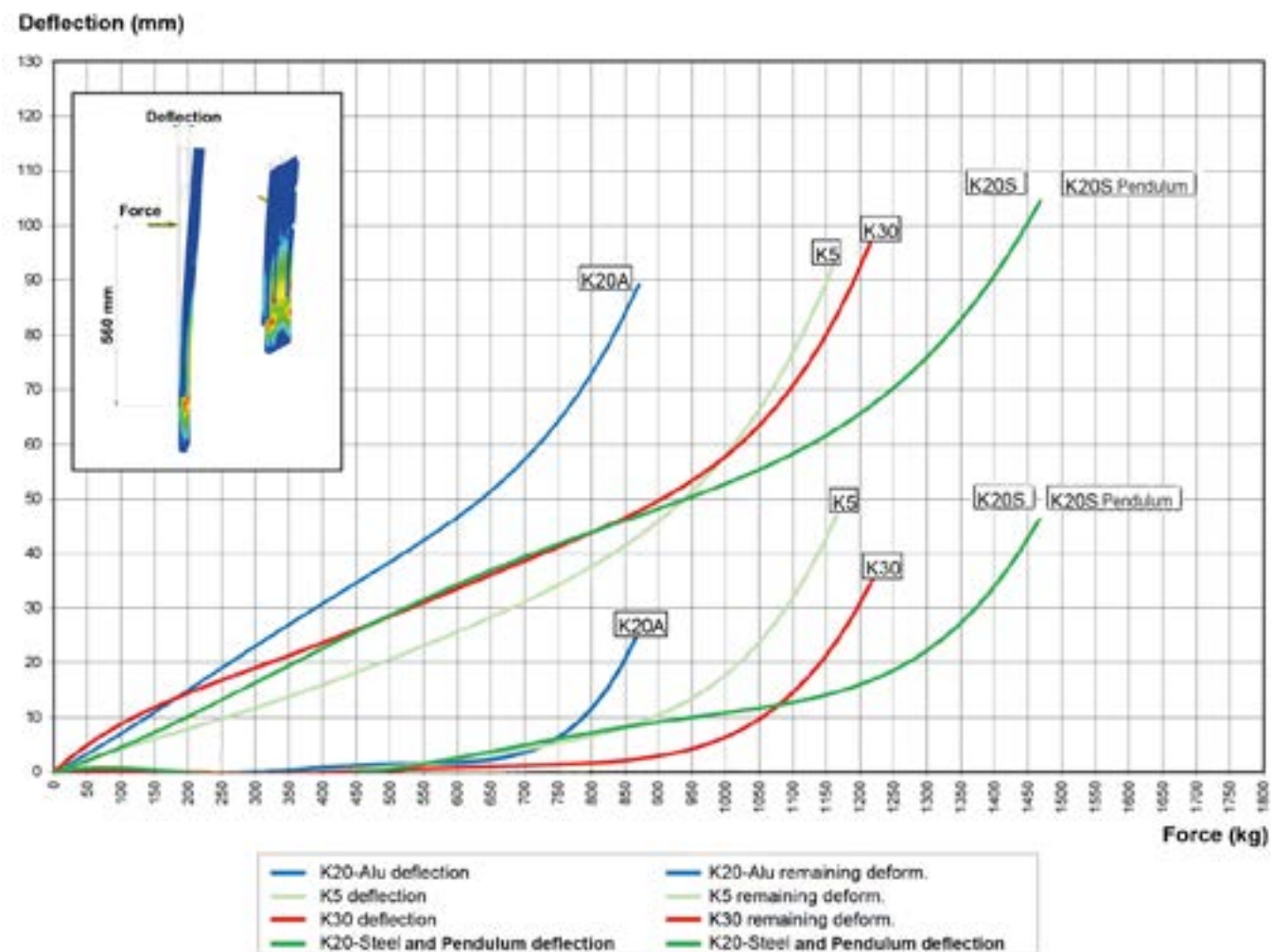


Load performance

The pillar - a vital part of the dropside system.

The pillar is a vital part of the dropside construction. Our K pillar system is developed to meet the requirements in accordance with EN 12642XL.

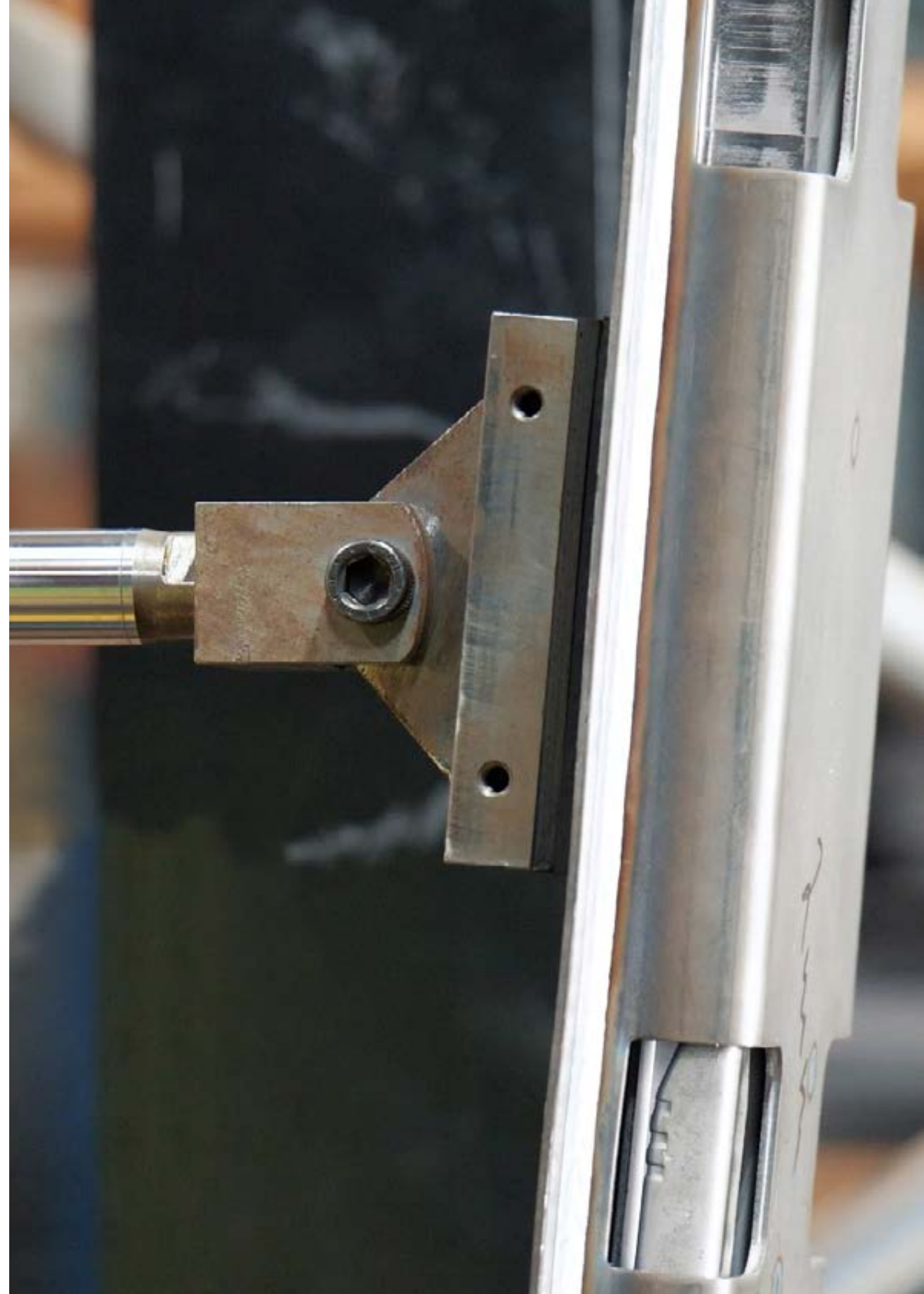
Our product range includes light weight as well as heavy duty options. In each case, a balance needs to be made between strength and weight to meet the specific requirements.



- A vital part of the dropside system
- Developed in accordance with EN 12642XL
- Includes light weight as well as heavy duty solutions

Upper lines show deflection of a pillar at different force

Lower lines show remaining deformation of a pillar after different force have been applied and then removed



T50

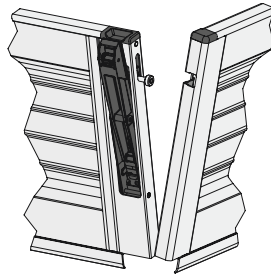
T50 is a high quality dropside lock solution for flatbed constructions.

T50 is a smart and flexible locking system for light commercial vehicles and trailers. T50 is available at different drop side heights from 300 mm. T50 is available in aluminium which gives a low weight.

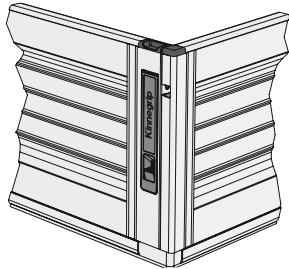
The dropside lock has built in safety features and is mounted directly on the dropside, creating an open and easily accessible load area with a focus on good functionality, a high level of personal safety and easy operation.

- Light weight
- Built in safety features
- Easily adjustable for specific applications
- Complete open load area

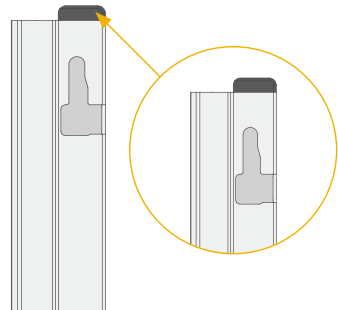
Dropside locks for light vehicles



Lock and lock profile open



Lock and lock profile closed



Lock profile with load indicator



Closed lock



Open lock

Functionality and safety

The lock mechanism is designed to minimize protruding parts in both the opened and closed position.

The handle is fitted with a safety catch that prevents unintentional opening.

The lock profile is fitted with a load indicator to improve user safety.

T50 Short pin



Side/Rear pillar

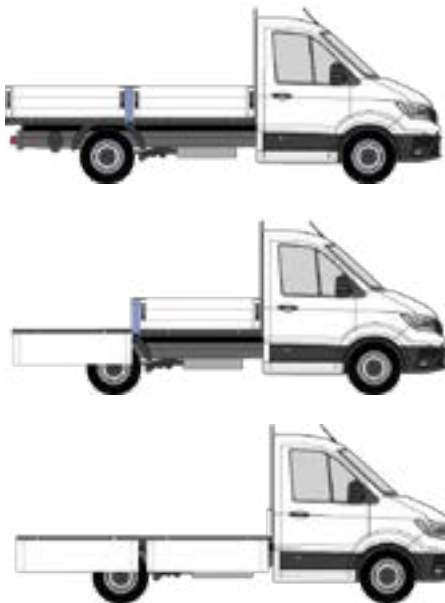
The side/rear pillar is mounted in combination with 2 T50 locks. The side pillar can easily be removed creating a completely open load area. The pillar can also be used as a divider to create separate loading areas.

The rear pillar is available in a bolted or removable version, which can easily be removed to create a completely open load area. The pillars creates possibilities for superstructures/tarpaulin structures.

Extended lock profile

The lock profile is available in extended heights for integration in frontwalls.

Extended lockprofile



C10

C10 is a safe and user friendly pillar system for curtainsiders.

The C10 pillar system offers a wide range of flexible solutions, including fixed, telescopic and spring-loaded tops, as well as different rollers. The pillar is made of high strength low alloy (HSLA) steel and tested according to EN12642. C10 can easily be customized to meet specific vehicle requirements.

- Single-handed operation
- A flexible pillar with a variety of combinations
- The roller design allows easy sideways pillar movement
- Combination options allow easy pillar height adjustment
- The support allows low height side raves



Functionality

C10 can be fitted at any desired height. The roller is located at the upper part of the pillar's top profile and runs in the roof profile. The support is welded or bolted to the side rave. C10 can be fitted with a fixed, telescopic or spring-loaded top. When the pillar is fitted with a spring-loaded top, the pillar appears weightless during handling.

The roller design allows easy sideways pillar movement. Pillar length can be adjusted from ground level using a built-in adjustable ladder.

Design and safety

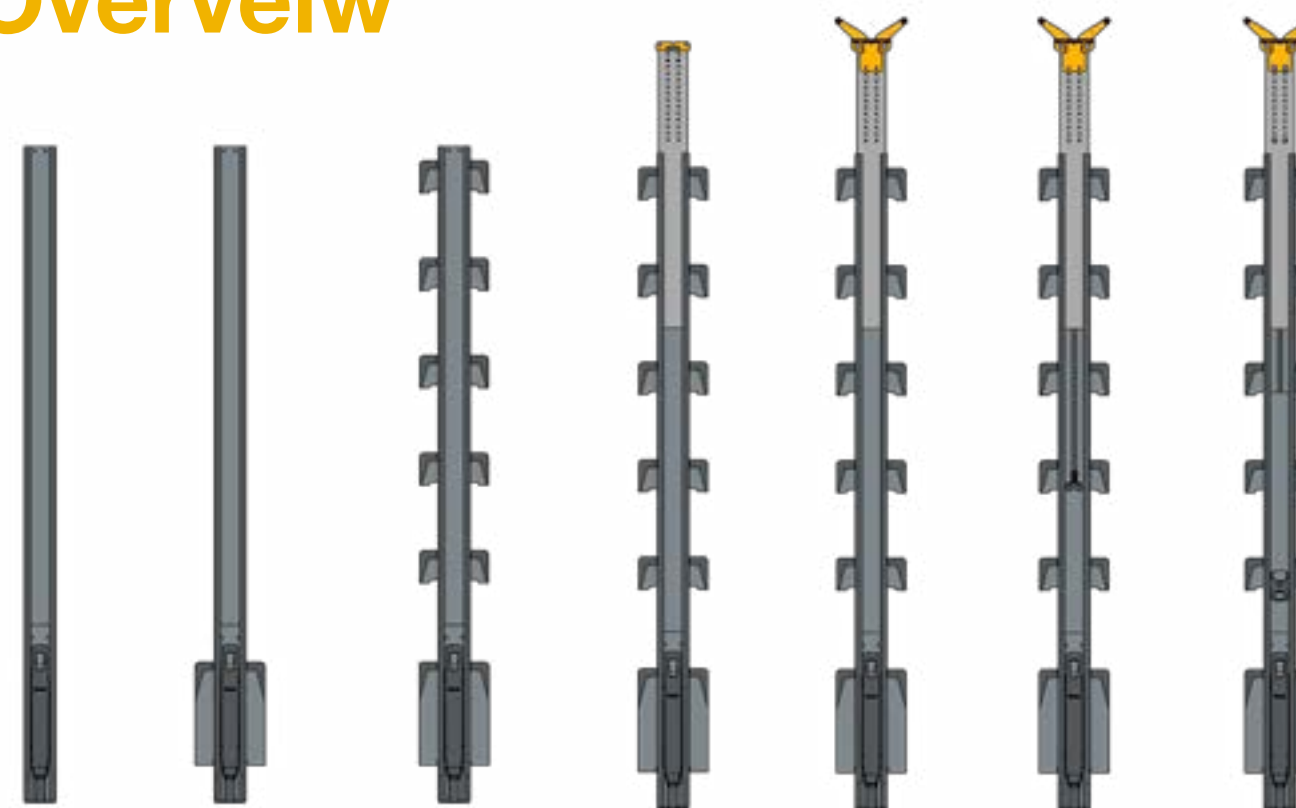
Single-handed operation with built-in safety catch enables easy and safe operation. The pillar height can be adjusted via various functions and accessories.

Spring kit enables the roof to be raised and gives a sense of weightless handling. The support allows low height side raves.

Curtainside for trucks and trailers



Overveiw





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