SpanSet®

03

Height Safety
Lifting
Load Control
Safety Management

CarFix®
TruckFix®



SpanSet
Certified
Safety


According
to the current
guidelines
of VDI 2700

The safest solution for vehicle transports

SpanSet CarFix® and TruckFix® lashing systems are the safe, economical, and simple solution for transporting cars and trucks on vehicle trailers with perforated metal rails.

When the Association of German Engineers published the first guideline for securing vehicles during transport at the end of the 1970s, SUVs, hybrid and electric vehicles were still a long way off. In the meantime, the weight and tyre sizes of vehicles vary considerably, which requires new, more variable load securing aids.

In dialogue with customers and based on extensive test series, SpanSet has developed the new CarFix and TruckFix lashing systems, which more than meet the current requirements for securing vehicles on trailers in terms of safety, economy, and handling.

The optimised distribution of forces in combination with the connecting elements protects the road plates, powerful ratchets increase the pre-tensioning force, and the innovative webbing controller ensures extremely high force transmission. Different versions of the individual components can be combined with each other, thus offering users significantly more flexibility. In addition to the guidelines of VDI 2700 sheets 8, 8.1 and 8.2, the CarFix and TruckFix lashing systems also meet the high requirements of the Daimler guideline and the SpanSet factory standard.

SpanSet – Certified Safety

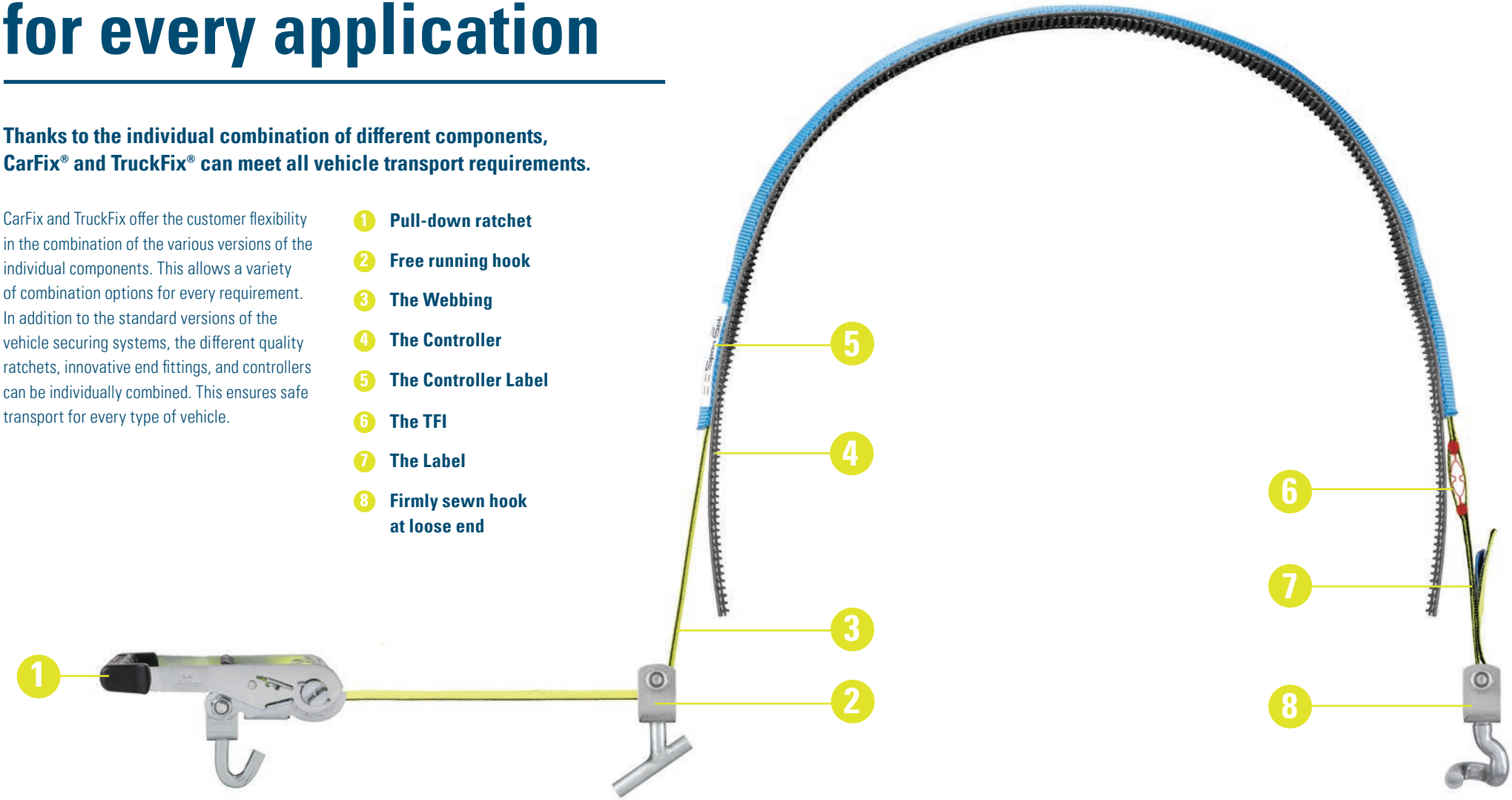


Modular system for every application

Thanks to the individual combination of different components, CarFix® and TruckFix® can meet all vehicle transport requirements.

CarFix and TruckFix offer the customer flexibility in the combination of the various versions of the individual components. This allows a variety of combination options for every requirement. In addition to the standard versions of the vehicle securing systems, the different quality ratchets, innovative end fittings, and controllers can be individually combined. This ensures safe transport for every type of vehicle.

1. **Pull-down ratchet**
2. **Free running hook**
3. **The Webbing**
4. **The Controller**
5. **The Controller Label**
6. **The TFI**
7. **The Label**
8. **Firmly sewn hook at loose end**





System				Free-running Hook				Hook loose end			Webbing			Controller			
Designation	Pull-Down ratchet Design	LC* [daN]	STF [daN]	Swivel hook	Claw Hook	Snake-Hook	45-Hook	Swivel hook	Snake-Hook	T-Hook NEW!	Wide [mm]	Length [m]	Colour	Length [cm]	„Vario Plus" Controller with internal sliding surface	ETA-factor* min.	TFI
CarFix CT 35 Vario	with swivel hook	1.500	330	standard	optional	–	optional	standard	–	–	35	2,80		130 foldable to 100 cm other lengths on request	–	0,5	optional
CarFix CT 35 Vario Plus	with swivel hook	1.500	330	optional	optional	standard	optional	optional	standard	optional	35	2,80		130 foldable to 100 cm other lengths on request	standard	0,6	optional
TruckFix CT 50 Vario Plus	with swivel hook	2.500	500	optional	optional	standard	optional	optional	standard	on request	50	4,50		200 foldable to 170 cm other lengths on request	standard	0,6	–

* The ratio of the pre-tensioning force in front of the controller and the pre-tensioning force behind the controller. The ETA value can only be guaranteed if a SpanSet lashing strap is used.



CarFix® Pull-down ratchets for car transport

The user has the choice: versions with the proven swivel hook or the new Base Clamp for optimum protection of the road plates.

For securing cars on vehicle transporters, the CarFix system offers two high-performance pull-down ratchets. The standard version features the proven swivel hook A.

As an option, users can choose a ratchet with the Base Clamp B, specially developed for vehicle transporters. The innovative hook is gentle on the loading deck and reduces the risk of damage caused by high forces.

Thanks to their compact design, both ratchets are easy to operate even in confined spaces. The extra-wide handle distributes pressure evenly across the hand, reduces strain on the fingers and enables powerful, controlled tensioning of the lashing strap.

A CarFix CT 35

- LC 1.500 daN
- STF 330 daN
- white/blue chromated
- integrated Swivel Hook
- 35 mm webbing
- wide handle
- Marking by 3 stripes

B CarFix CT 35 with Base Clamp

- LC 1.500 daN
- STF 330 daN
- white/blue chromated
- integrated Base Clamp
- 35 mm webbing
- wide handle
- Marking by 3 stripes



The Base Clamp

The base clamp, which is firmly connected to the ratchet, rests on the entire surface and ensures optimum force distribution. Even under high loads, deformation of the perforated plate is avoided.







Base Clamp

Optimum force distribution and gentle on the road sheet.



TruckFix® pull-down ratchet for truck transport

The pull-down ratchet for the heaviest loads with long ratchet lever ensures high pre-tensioning forces and best ergonomics.

The quality ratchet with integrated swivel hook is perfectly matched to the Truckfix lashing system. With a LC of 2,500 daN, the pressure ratchet ensures a secure hold even with extremely heavy vehicles. The long ratchet lever enables optimum power transmission when tensioning the lashing system and thus offers the user an ergonomic advantage.

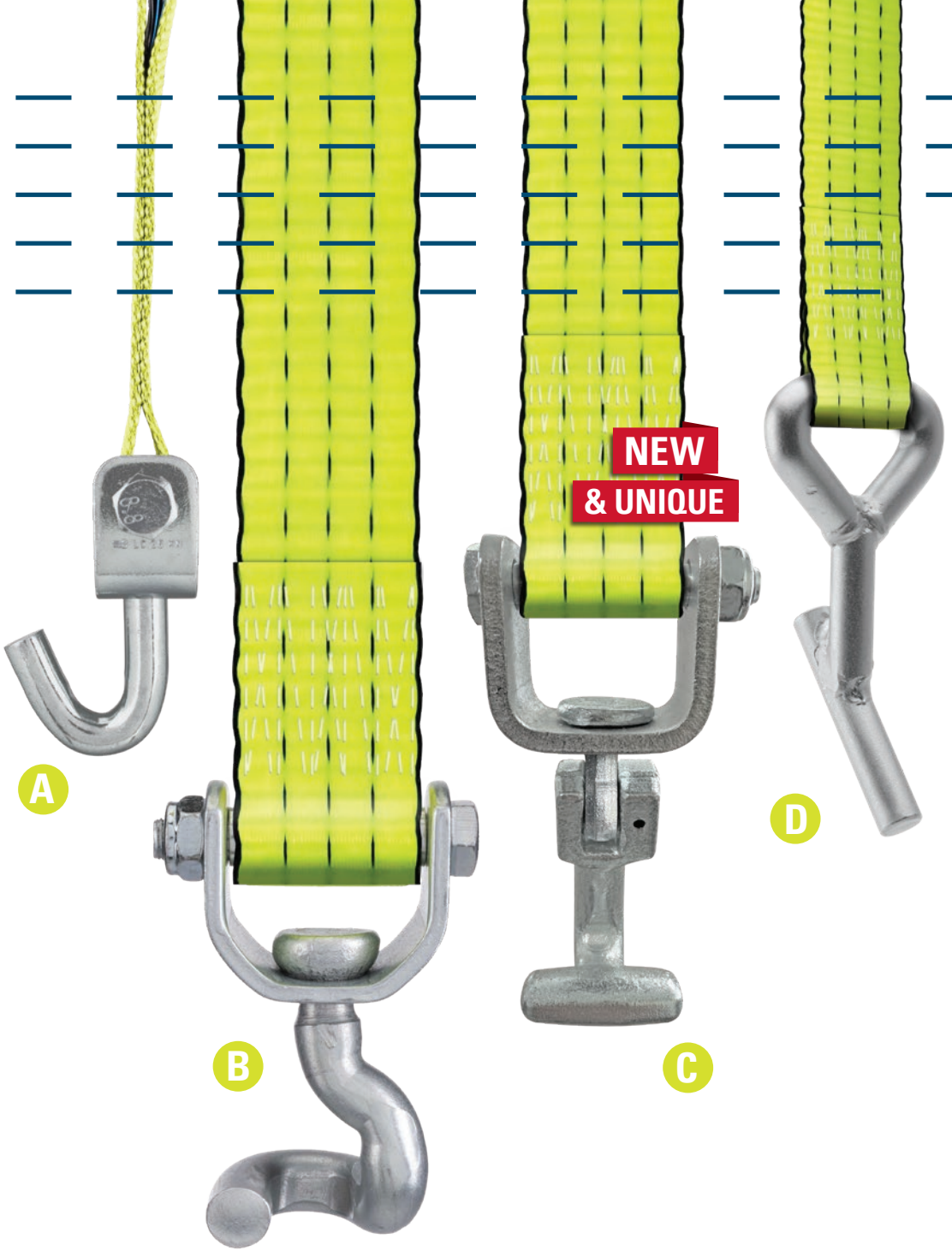
TruckFix CT 50

- LC: 2.500 daN
- STF 500 daN
- white/blue chromated
- With plastic handle
- Integrated Swivel Hook
- 50 mm webbing
- Marking by 5 stripes






High
pretension force
and optimal
ergonomics



The right connecting elements

In addition to the standard versions, users can choose from innovative hook variants that make vehicle transport even safer, gentler on materials and more economical.

In addition to the hook on the pull-down ratchet, the lashing system is secured at two further points in the perforated loading deck of the vehicle transporter. For this secure attachment, SpanSet offers a range of connecting elements optimally matched to the respective application.

In the standard versions, CarFix and TruckFix are equipped with two swivel hooks A. Optional versions are available with the Snake-Hook B, T-Hook C or 45-Hook D. These innovative hook variants provide a larger contact area with the perforated deck, ensuring a particularly even distribution of forces. This helps protect the loading deck even under high loads.

The result: greater safety during vehicle transport, reduced wear on the transporter and improved cost-effectiveness in daily use. Simply select the appropriate connecting elements for your lashing strap and configure your CarFix or TruckFix vehicle securing system to suit your individual requirements.

Watch a clip showcasing the innovative Snake Hook.

Watch the video about the new T-Hook.



A Swivel Hook

The standard versions of the SpanSet CarFix and TruckFix systems are equipped with a classic 360-degree swivel hook. The hook is hooked onto the tensioning element, loose end and free running into the vehicle transporter's track plate and thus ensures that the system is securely fixed.



B Snake-Hook

The 360-degree rotating Snake Hook can be used at the loose end and as a free-running hook. Thanks to its shape, there is a large contact surface with the sheet metal. This ensures optimum force transmission. Even with high loads, damage to the sensitive perforated plates is avoided.



C T-Hook

The unique T-Hook for the loose end can rotate through 360° and pivot approximately 90° forwards and backwards. Even under adverse conditions, the hook remains securely in position. This ensures that the perforated deck plate is always loaded centrally, significantly reducing the risk of damage. The large contact surface on the perforated plate ensures optimum force transmission.



D 45-Hook

The SpanSet 45 hook with its large contact surface to the track plate ensures optimum force transmission. Even under high loads, deformation of the perforated plate is avoided. The 45-Hook is only installed free-running at the loose end.




The TFI
To achieve the pretensioning forces demonstrably.



More control with the Tension Force Indicator

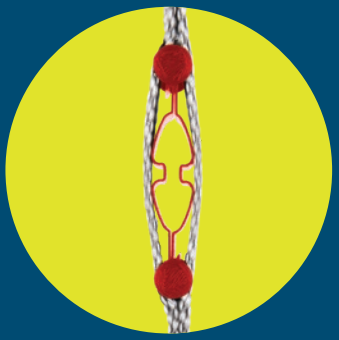
The patented Tension Force Indicator (TFI) is a unique tool that reliably indicates the achieved tension force.

The Tension Force Indicator (TFI) has been installed in many SpanSet's lashing systems for over 10 years. The unique aid is also optionally available for the new 35 mm CarFix systems and leads to significantly more safety when lashing cars on vehicle transporters. In contrast to the classic lashing systems, the TFI in the CarFix systems is not installed in the tensioning element, but in the webbing.

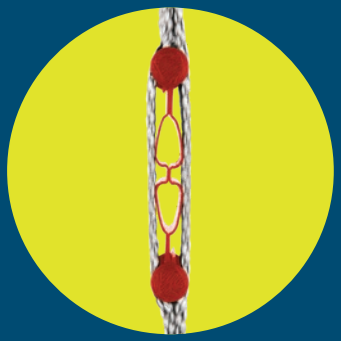
In the „relaxed" state, the jaws of the TFI are open. (A) During tensioning, they begin to close. (B) When the jaws are pressed together, the full pre-tensioning force (STF) is demonstrably reached. If the lashing system loses tension during the journey, the open jaws of the TFI show that, in case of doubt, you must retighten. Nothing is left to chance.

Certified safety
The Tension Force Indicator for the SpanSet CarFix lashing systems has been tested and certified by TÜV SÜD.

(A) TFI open



(B) TFI close



Positional stability and optimum protection

The strap controller ensures a firm fit of the lashing strap on the tyre and facilitates installation with radial fastening.

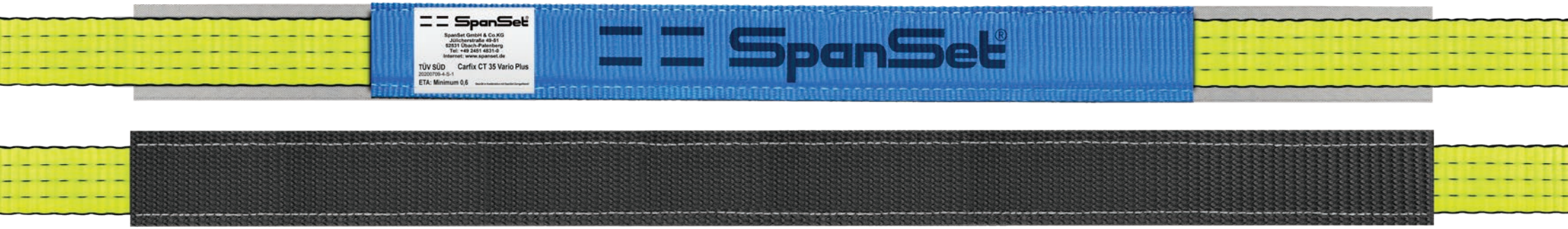
The strap controller is part of the standard version of both lashing systems. The particularly pronounced profile on the underside of the controller adheres very well to the tyre during transport and is therefore particularly stable in position, while the inner webbing strap can slide perfectly during tensioning. The belt controller encloses at least 180 degrees of the tyre. Contact between the tyre and the webbing is thus avoided and both are optimally protected.

Innovative tunnel construction with internal sliding surface.

The Vario Plus controller has an internal sliding surface as a support for the webbing for an even better ETA value. This indicates how much of the force generated by the tensioning element reaches the opposite side of the wheel. The tunnel design reduces friction and allows for a higher pre-tensioning force. In addition, the durability of the webbing and controller is extended.

Strap controller					Extension	
Designation	**Length in cm**	**Colour**	**Branding**	**ETA-Value***	**Length in cm**	**Colour**
CT 35 Vario	130 (foldable to 100 cm)	blue	SpanSet	0,5	30	blue
Optional	80 - 100 (other lengths on request)	div. colours	customised	0,5	30	div. colours
CT 35 Vario Plus	130 (foldable to 100 cm)	blue	SpanSet	0,6	30	blue
Optional	80 - 100 (other lengths on request)	div. colours	customised	0,6	30	div. colours
CT 50 Vario Plus	200 (foldable to 170 cm)	blue	SpanSet	0,6	30	blue
Optional	other lengths on request	div. colours	customised	0,6	30	div. colours

* The ETA value can only be guaranteed if a SpanSet lashing strap is used.



1 Well marked!

The belt controller is identified by a label with the following information:

- Version (Standard or Plus)
- Indication of the min. ETA value
- Manufacturer's label
- Certification by TÜV-Süd

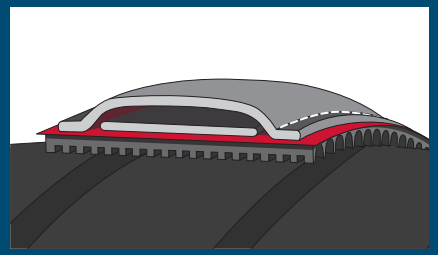
2 Positionally stable

The finely structured surface interlocks perfectly with any tyre tread and ensures a firm hold of the belt controller.

3 The „Plus-Controller" !

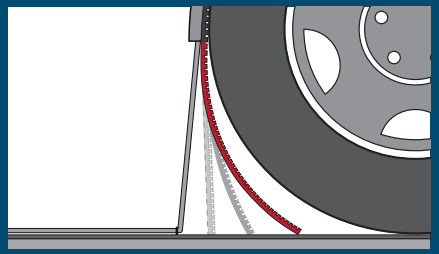
Advantages due to the internal sliding surface:

- better ETA values
- reduced friction
- better power transmission
- higher pretensioning force



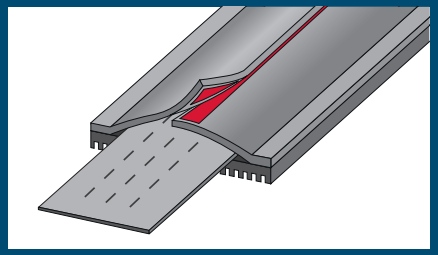
4 Variably applicable

The controller makes it possible to secure different types of vehicles. The webbing is not completely inside the tube, but rests freely. By folding down the support surface, the controller can also be used with small tyres.



5 Simple upgrade

Older CarFix systems can be easily upgraded with a controller extension. Simply mounted, e.g., with the Velcro variant, even large tyres are covered by the controller by 180 degrees.





Time saving through simple handling

With the CarFix® and TruckFix® lashing systems, load securing during vehicle transport is quick and easy.

The three-point securing by means of the hooks on the ratchet, the loose end and free-running on the loose end, guarantees fast, secure fastening and easy attachment of the lashing system for the user when handled correctly.

The lashing strap is simply placed over the tyre 1 and attached at three points in the perforated plate of the vehicle transporter. After positioning the strap controller 2, the system is lashed down - done 3. The driver hardly has to move on the trailer, which protects him from falls and prevents damage to the vehicles

1



2



3





CarFix- and TruckFix in action



CarFix and TruckFix explained simply on Press Day 2024.
Scan the QR code with your smartphone and watch the film.

Another plus for safety

The label with webbing overlap ensures longer durability, while the operating instructions and information label provide more safety.

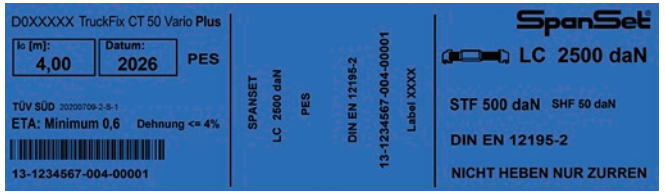
All CarFix and Truckfix lashing systems are equipped with a label containing all important information such as the manufacturer, date of manufacture, certification and lashing capacity (LC). In addition to the tear-resistant stitching in the webbing, the label is additionally protected by an overlap of the webbing.

This significantly minimises abrasion of the markings and damage to the label, which leads to a longer durability of the lashing system. In addition, an information label is integrated to prevent application errors.

CarFix-Label



TruckFix-Label



Information label



Operating instructions



Contents of the operating instructions

- Notes on this manual
- Product description
- Safety instructions
- Use of SpanSet-CarFix and TruckFix
- Maintenance
- Storage
- Trainings

Download the operating manual.
Scan the QR code with your smartphone and view the PDF.



Custom Options

- Controller and webbing in the specified colour
- Custom-printed webbing
- Label protected within the TFI or with protective film

SpanSet GmbH & Co. KG
Jülicher Straße 49–51
52531 Übach-Palenberg
Tel +49 (0) 2451 4831-0
E-Mail info@spanset.de
Web www.spanset.de

www.spanset.de

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