



The belt pillar system with adjustable head- and backrest

SafeTrans





Schnierle GmbH: Seating comfort for higher demands

From the very beginning seats counted as core business of the company. Soon it was clear that: Seat is not all the same! Solutions and constructions which must be so comfortable, robust and safe as possible and at the same time offer the relevant target groups a practical added value, was always in the focus of our work and actions.

That is how Schnierle presents today with seating systems not only a seat but intelligent and customer-oriented system solutions for all industries and activities.

In conjunction with modern and thought-out passenger restraint systems for the transport of sick or disabled persons Schnierle rounds off its product range for an integrated passenger transport concept.

You have acquired a Schnierle belt pillar **Safetrans** - Congratulations!
Look forward to a system which is characterised by simple operation, high stability and security.

We wish you a good journey

Yours sincerely,

Schnierle-Team

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1. Introduction

1.1. Instructions for use

This user manual is intended for you as an user of a readily installed belt pillar system „Safetrans“. Detailed steps when dealing with the „Safetrans“ and its wheelchair fixing are described.

It contains supplementary information for a safe operation, care/cleaning, maintenance and warranty terms of the belt pillar and its passenger restraint systems. The passenger transport may only be performed with wheelchairs which are approved for the transport in vehicles.

1.2. System „ SafeTrans “



The new belt pillar „**SafeTrans**“ consists of head- and backrest. The head- and the backrest are adjustable in direction of travel vertically and horizontally.

Thanks to the integrated 3-point-belt the passenger is safely and properly protected with optimal comfort.

The wide range of adjustment options allow an individual adjustment for wheelchair type and passenger.





1.3. Advantage „ Safetrans “

With the „Safetrans“ system you have bought a product, with which you can enjoy various advantages compared to commercially available products:

- A German quality product
- Highest tested safety
- Thought out and fast handling
- Optimal belt guide, close to the body and height-adjustable
- Protection against injuries caused by rear impact due to head- and backrest
- Headrest is horizontally and vertically adjustable
- Backrest is horizontally and vertically adjustable
- User-friendly and easy handling
- Easy-care upholstery material made of artificial leather black
- „**SafeTrans**“-version is possible in left and right
- Rotatable head- and backrest 180°
- Sidewardly extendible head- and backrest
- Individually moveable with foot system „EasyLeg“ and „Sliding Bridge“
- Easy to retrofit e.g. on the existing aluminium system floor
- No risk of injury due to standing out levers
- Positioning is adapted to the wheelchair



Tested according to all common rules for the transportation of passengers and approved wheelchairs



Safety is the highest priority



Everything in its place



Always ready for each situation











A variety of transport combinations



2. General

2.1. Warning chart

	DANGER ! General Warning sign <ul style="list-style-type: none">• There is a direct dangerous situation which, if not avoided, leads to death or to serious injuries.
	WARNING ! of obstacle in the head area <ul style="list-style-type: none">• There is a direct dangerous situation which, if not avoided, leads to injuries in the head area. Increased attention must be taken.
	ATTENTION ! General mandatory sign <ul style="list-style-type: none">• This indicates a possibly dangerous situation which, if not avoided, could cause material damage.
	ATTENTION ! Particular mandatory sign <ul style="list-style-type: none">• Indicates the use of a passenger restraint system. A disuse can lead to a violation of traffic regulations or to damages to life and limb in case of damage.
	NOTE ! Written note <ul style="list-style-type: none">• Refers to important information about the use eventually also in other paragraphs or documents.
	PROHIBITION ! <ul style="list-style-type: none">• There is a direct dangerous situation which, if not avoided, leads to injuries of limbs such as fingers or of the hand. Increased attention must be taken. It is prohibited to grasp into.
	PROHIBITION ! <ul style="list-style-type: none">• Prohibited to sit. To sit on these components can lead to damages and, in the worst case, to physical damage due to accident.
	PROHIBITION ! <ul style="list-style-type: none">• Keep off. A stepping onto leads to damage of the component or can lead to physical damages.



3. Guideline to service



Please read the following notes and safety information carefully and familiarise yourself with the various functions of our products.

3.1. Notes

- This user manual must be read completely before start-up.
- The user manual must be kept in the vehicle and must be accessible to the driver at all times. If the “**SafeTrans**” is passed on to third parties also the user manual must be passed on.
- The „**SafeTrans**“ system may only be mounted, maintained and repaired by qualified personnel. The respective country-specific requirements and installation instructions of the vehicle manufacturer must be taken into account. The country-specific installation instructions can be received from Hermann Schnierle GmbH or from the vehicle manufacturer.
- An always functional and individually adjusted system is the condition for the maintaining of your health. Maintain the functionality of your „**SafeTrans**“ system by care and regular functionality tests.
- The functionality test must be adapted to the maintenance intervals of the vehicle (see maintenance plan of the vehicle)
- Amendments due to further developments are reserved.



3.2. Safety information

3.2.1. General

- Existing packaging material must be removed before putting the „**SafeTrans**“ system into operation.
- To avoid accident risks it must be checked whether all adjusting devices are adjusted before putting the SafeTrans into operation.



Inadmissible load due to weight exceeding or stepping onto marked components or components which are described in the user manual is prohibited.

- Any change of the series production condition (e.g. due to retrofitting of not original retrofitting parts and spare parts of Hermann Schnierle GmbH) can repeal the proven status of the system.
Functions, which can endanger your safety, can be impaired.
For this reason, any constructional change of the „**SafeTrans**“ system must be released by Hermann Schnierle GmbH.
- Reconstruction or retrofitting of the „SafeTrans“ system may only be carried out by authorised specialist workshops, skilled or appropriately trained personnel or after release by Hermann Schnierle GmbH in consideration of the applicable work instructions as well as the country-specific regulations.



Warnings by labels or descriptions in the user manual (danger of squeezing) must be taken into account.

- The instruction of the vehicle manufacturer must be absolutely followed while installing and removing of the „**SafeTrans**“ system.
- The wearing parts and the fixings of the „**SafeTrans**“ system and of the belts must be checked from time to time.
- The adjustment devices of the „**SafeTrans**“ systems may not be actuated during the operation (driving). For the prevention of accidents it must be checked whether all adjustment devices are engaged and whether the system is functional before the commissioning of the vehicle.
- The head rests must be in the legally correct zone while driving.



The head and back adjustment may only be operated by the therefore provided adjustment levers. – **DANGER OF SQUEEZING** -



- Restraint belts must be fastened before the operation of the vehicle. Affected restraint belts must be changed after an accident. Furthermore the components of the “**SafeTrans**” must be checked by suitably qualified personnel after an accident.
- The restraint belts which are installed on the belt pillar are changeable. The change of the restraint belts can only be done after prior release of Hermann Schnierle GmbH.
- In case of improper mounting there is the risk of injuries as well as property damage and the function of the seat or the mounted parts cannot be guaranteed.



Components such as armrest, head- and backrest may not be used as climbing aid.



Components such as armrest, head- and backrest may not be used as a seating surface.

- If safety- and restraint-systems are even used properly the risk of injury can only be minimised but in no case completely excluded.

The safety of the person transported in the wheelchair depends considerably on the person who is responsible for the transport. Make sure that these persons are appropriately trained and familiar with the relevant rules and consider these rules. In particular these persons should be informed about the possible risks.



Secure the wheelchair so that in case of dangerous driving manoeuvres of the transport vehicle the risk of accident due to the wheelchair is excluded.



Modifications of the wheelchair and especially of the anchorage points are not allowed.



The driver of the vehicle respectively the accompanying person must ensure the professional securing of the wheelchair in the transport vehicle.



It must be ensured that in case of an accident the anchoring devices cannot be loosened or detached by components of the wheelchair.



Please refer to the type plate of your wheelchair whether your individual wheelchair is authorised as a seat for transport. Your wheelchair should meet the requirements of the ISO 7176-19 in connection with a 4-point-anchoring system.



4. Operation of the „SafeTrans“

Pict. 1



Hinge the access ramp of your vehicle down.



For operation please refer to the manufacturer-specific user manual of the access ramp.

Pict. 2



Make sure, that the access ramp is free of objects.



Pict. 3



Fold the head- and backrest down backwards by 180°.

Turn the specific locking knob against the clockwise.

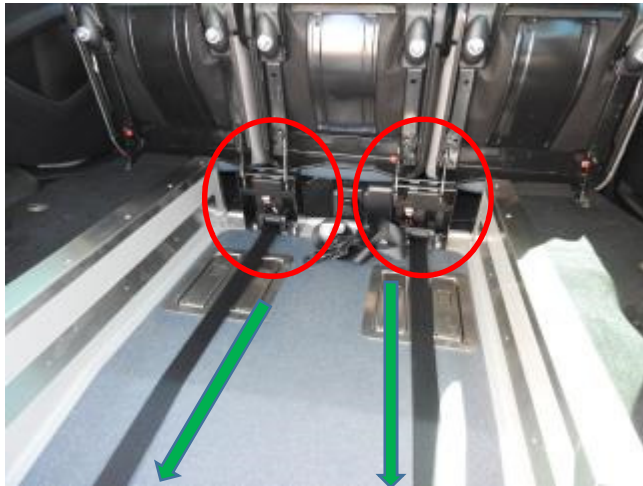
Pict. 4



Head- and backrest completely rotated by 180°.



Pict. 5



Extend both belt retractors.

Pict. 6



Attach the hooks, fixing loops or carabiner to the nodal point of the wheelchair.



For the given nodal points refer to the user manual of your wheelchair.

Pict. 7



Align the wheelchair at the ramp so that it can be pulled straight onto the ramp.



Pict. 8

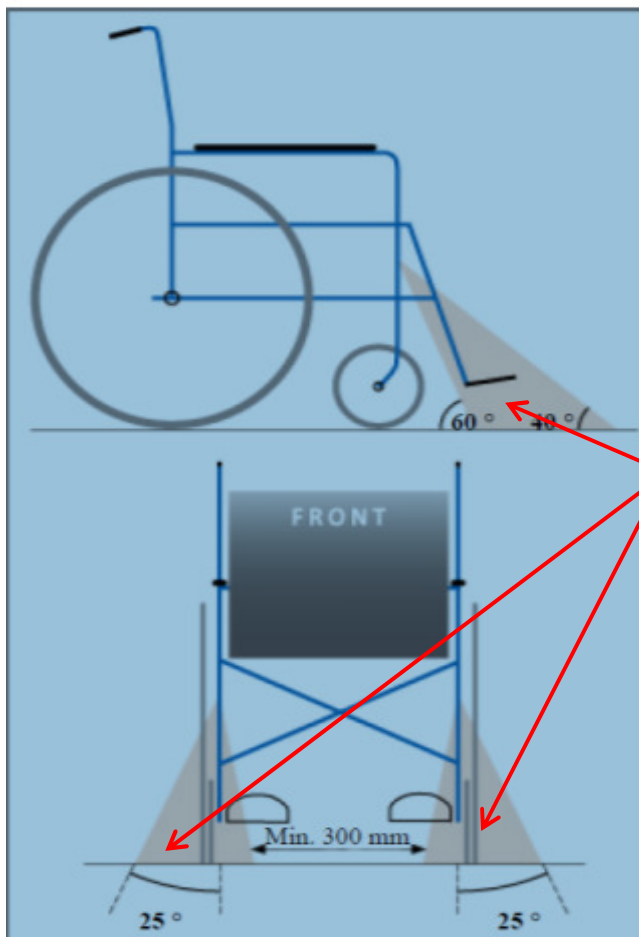


Pull the wheelchair as far as possible into the vehicle. Lock the belt retractor electrically. Then pull the wheelchair a bit back so that the belt is tensioned. Thereby the wheelchair must be positioned so that the tension angles (pict. 9) are accepted.



For the operation of the electrical retractor refer to the user manual: „Retractor with remote control“.

Pict. 9



Tension angles



Pict. 10



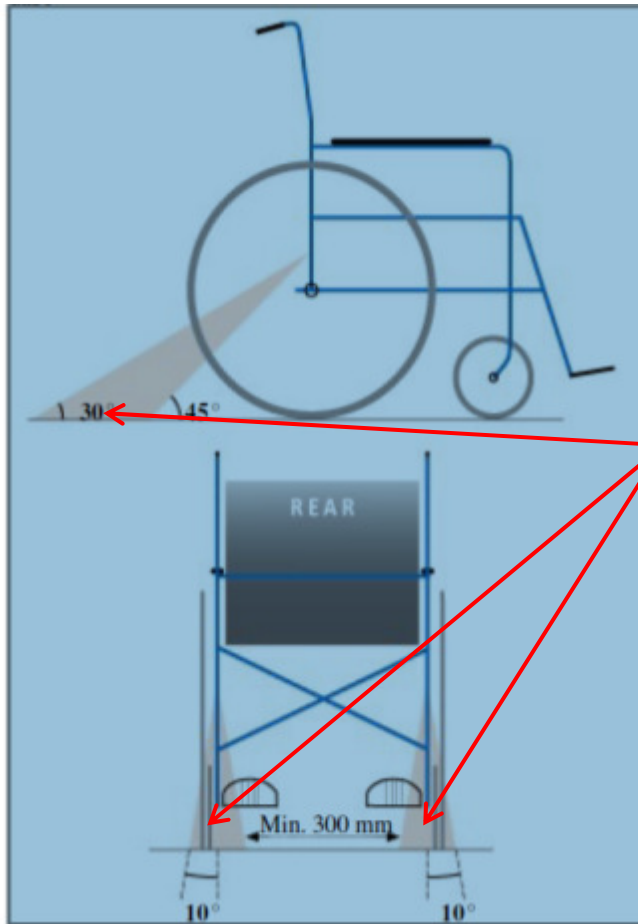
Attach the back retractors to the floor and fix the hooks onto the nodal point of the wheelchair.

Tight the belts at the front and the back so that the wheelchair cannot be moved and the tension angles (pict. 11) can be accepted.



For the given nodal points refer to the user manual of your wheelchair.

Pict. 11



Tension angles



Pict. 12



Turn the head- and backrest back by 90° till they are at the height of the backrest of the wheelchair. Operate the locking so as shown in pict. 3.

Pict. 13



Adjust the head- and backrest so as be in the illustrated position.

(See pict. 12-15)

Pict. 14



Approach the headrest to the head

Therefore:

1. Pull the locking bolt out

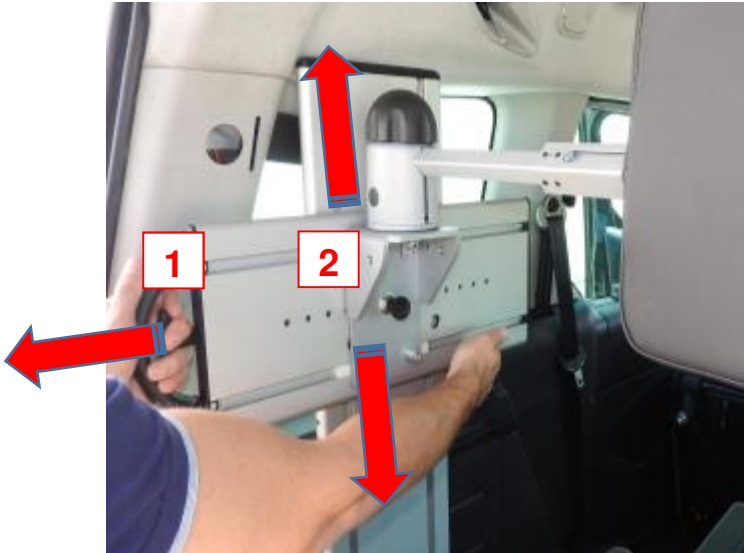


Pict. 15



2. Pull the headrest far enough forward so that it is two fingers wide (30 mm) behind the head of the passenger.

Pict. 16



Adjust the headrest in the height so that it is in the position as shown in pict. 13. The headrest should be flush with the top edge of the head, at least with the top edge of the ears.

Then „1“ pull lever and „2“ adjust in height.

Pict. 17



Then do the same with the backrest so that it is in the position as shown in picture 13. Therefore it should be two fingers wide behind the back of the passenger as high as possible.



Pict. 18



Fasten the passenger as shown in the picture.

The shoulder belt should run over the middle of the shoulder.

Pict. 19



Position the lap belt as closely as possible to the pelvis.

Thereby do not lead the belt over sharp edges or the armrest.

Pict. 20



.... now it can start



5. Control interval, care and maintenance

5.1. Servicing

A regular servicing increases immensely the functionality, safety and the lifetime of our systems.

The maintenance of the „**SafeTrans**“ belt pillar and restraint systems must be carried out with the regular vehicle maintenance unless otherwise described, at the latest after one year.

5.1.1 Restraint systems

A daily control of the restraint systems is mandatory to avoid a safety risk.

- Control the retractor by pulling out the belt and make sure that it locks properly.
- Control that the belt is not incised, damaged or frayed and the belt is not contaminated with dirt, oil or chemicals.
- Control that the metal parts are not worn, broken or damaged.
- Check the locking bolts for dirt, corrosion and locking function.
- Check all fitting parts as screws, nuts etc. for stability.
- Control the floor anchorings to ensure its cleanliness and safety.
- Check the anchorings of the shoulder belts for correct position and function
- Control that the lap belt and the shoulder belt is not incised, damaged, frayed and contaminated.
- Control that the belt buckle is not damaged and ensure the correct function.
- Control all other parts of the security system which are not in the list of the daily control.

5.2. Care and maintenance

- Clean the belts regularly with mild soap and water.
- After cleaning pull the belt completely out and position it so that no water can get into the retractor till the belt is completely dry.
- Be careful to avoid contamination at the belt.
- The belts must be regularly checked, cleaned and maintained.
- Contaminated or frayed belts must be exchanged.
- Worn and defect parts must be exchanged.



- The locking bolts must be cleaned especially after contact with dirt, salt water etc. and for protection they must be treated with an acid-free and resin-free lubricant.
- Parts, which have been involved in a crash must be renewed for the safety of the passengers.



6. Warranty

For the aluminium profiles of the „**SafeTrans**“ systems we shall grant a statutory warranty of 24 months after invoicing. The warranty covers the delivery of the spare part using normal transport (no express delivery). For the replacement costs we reimburse an hourly rate of 50.00 € per hour for the replacement time as listed in the list of repairs.

In addition to this costs such as travel expenses, downtimes and costs for rental vehicles will not be reimbursed.

Wear parts are not subject to warranty.

The following parts are considered as wear parts:

- Slide for belt pillar and support arms
- Locking bolts
- Retractors

Damages due to accident, incorrect operation, vandalism as well as lack of care are also not covered by the warranty.

Defect parts must be collected and then send to us upon request.

The warranty shall commence with the registration / entry into service of the vehicle respectively at the latest 6 months after delivery.

To assert a warranty claim the following documents are required:

- Copy of the original invoice
- Filled-in warranty application form which must be confirmed before starting the work.
- Eventually copy of the spare parts invoice
- Description of the errors with photos
- Serial number of the belt pillar

For repair works and larger extent of exchanges the expenses must be discussed and released by Hermann Schnierle GmbH before starting with the works.

Alternatively, the repair works will be carried out by Hermann Schnierle GmbH or by an authorised company.

We reserve ourselves the right to make amendments and extensions if required.