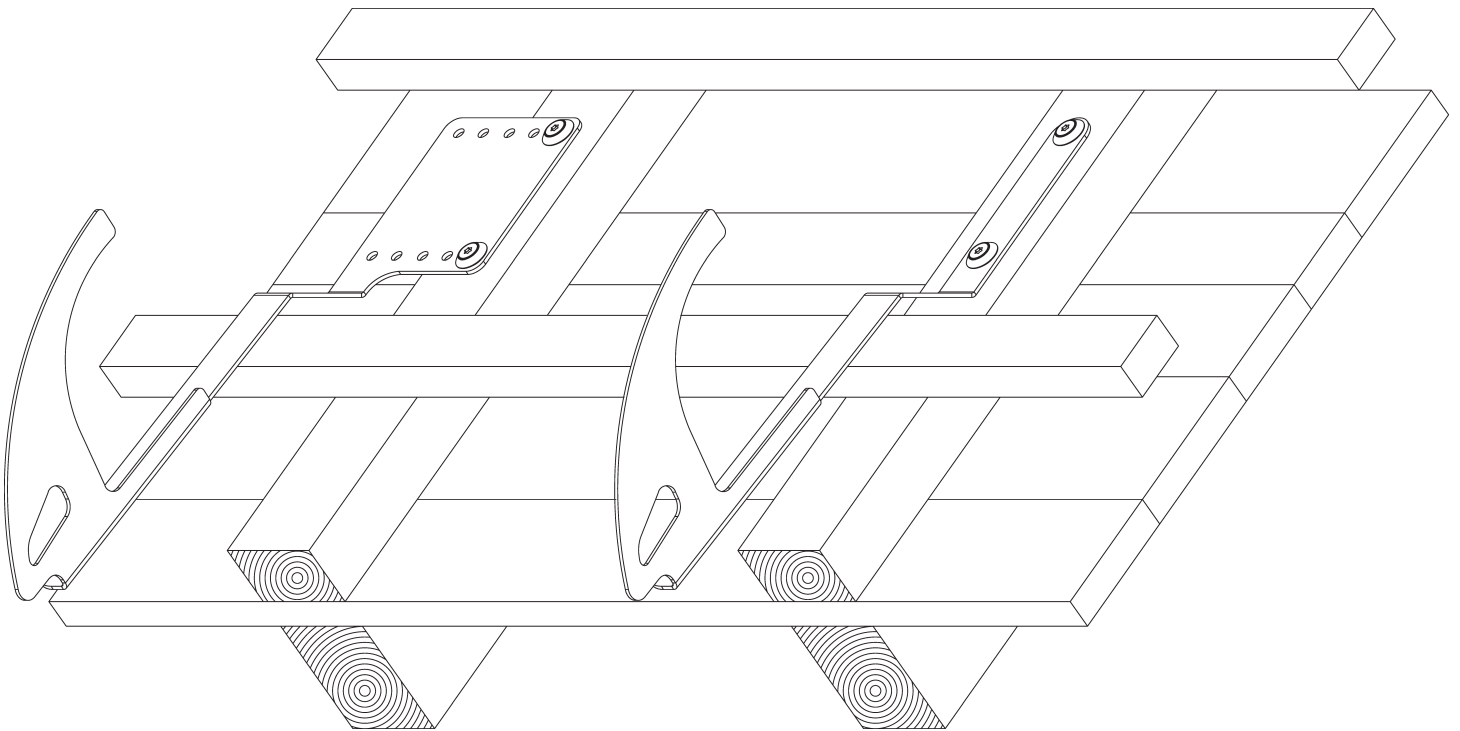




GREEN

INTERNATIONAL



RH03 & RH04

ENGLISH

DE ACHTUNG

Die Montage und die Verwendung der Sicherungseinrichtung ist erst zulässig, nachdem der Monteur und der Anwender die Original Aufbau- und Verwendungsanleitung in der jeweiligen Landessprache gelesen hat.

EN ATTENTION

Assembling and using of the safety product is only allowed after the assembler and user read the original installation and application instruction in his national language.

FR ATTENTION

Le montage et l'utilisation du dispositif de sécurité ne sont autorisés qu'après lecture par le monteur et par l'utilisateur de la notice d'origine de montage et d'utilisation dans la langue du pays concerné.

IT ATTENZIONE

Il montaggio e l'uso del dispositivo di sicurezza è ammesso soltanto dopo che il montatore e l'utente hanno letto le istruzioni per l'installazione e l'uso nella rispettiva lingua nazionale.

ES ATENCIÓN

No está permitido montar ni usar el dispositivo de protección antes de que el montador y el usuario hayan leído las instrucciones de montaje y uso originales en la lengua del respectivo país.

PT ATENÇÃO

A montagem e o emprego do mecanismo de proteção somente serão permitidos, após o montador e o usuário terem lido as instruções de uso originais, no respectivo idioma do país, sobre a montagem e o emprego do mesmo.

NL ATTENTIE

De montage en het gebruik van de veiligheidsinrichting is pas toegestaan, nadat de monteur en de gebruiker de originele montage en gebruikershandleiding in de desbetreffende taal gelezen hebben.

HU FIGYELEM

A biztonsági berendezés felszerelése és használata csak az után megengedett, miután a szerelést végző és a használó személyek a nemzeti nyelvükre lefordított, eredeti használati utasítást elolvasták és megértették.

SL POZOR

Montaža in uporaba varnostnih naprav je dovoljena šele takrat, ko sta monter in uporabnik prebrala originalna navodila za montažo in uporabo v konkretnem jeziku.

CZ POZOR

Montáž a používání zabezpečovacího zařízení jsou povoleny až poté, co si pracovníci provádějící montáž a uživatelé přečetli v příslušném jazyce originální návod k montáži a používání.

TR DİKKAT

Güvenlik tertibatının montajına ve kullanımına, ancak montaj teknisyeni ve kullanıcı, orijinal kurulum ve kullanma talimatını kendi ülke dilinde okuduktan sonra, izin verilir.

NO OBS

Monteringen og anvendelsen av sikkerhetsinnretningene er gyldige først etter at montøren og brukeren har lest den originale oppbygnings- og bruksanvisningen i det tilsvarende landets språk.

SV OBS

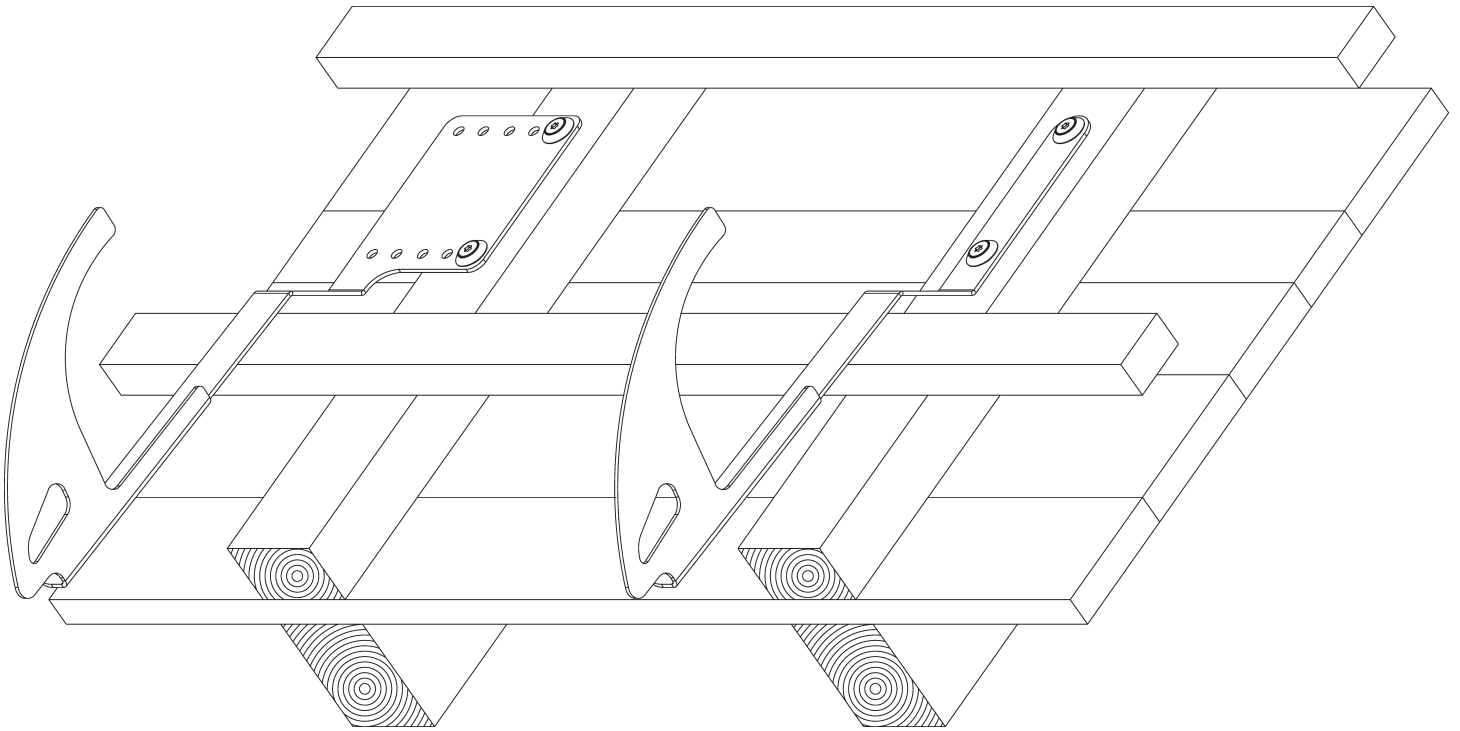
Säkerhetsanordningen får inte monteras och användas förrän montören och användaren har läst igenom konstruktionsbeskrivningen och bruksanvisningen i original på resp lands språk.

FI HUOMIO

Turvalaitteiden asennus ja käyttö on sallittu vasta, kun asentaja ja käyttäjä ovat lukeneet alkuperäisen asennus- ja käyttöohjeen omalla kielellään.

DA GIV AGT

Montagen og brugen af sikkerhedsudstyret er først tilladt, efter at montøren og brugeren har læst den originale vejledning i samling og brug på det pågældende lands sprog.



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PROJECT DATA

SYSTEM DESCRIPTION

INSTALLATION COMPANY

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1. General safety instructions

- The anchorage device should be planned, installed and used in a way that no fall over the edge is possible when the personal protective equipment is appropriately used.
- Safe reach to the anchorage device must be guaranteed.
- The system must be installed and used only by persons familiar with these operating instructions and with the local safety regulations, who are physically and mentally healthy and are trained in using PPE (personal protective equipment)
- Children and pregnant women should not use the security system.
- Medical conditions (cardiovascular problems, intake of medicines, alcohol) can affect the user's safety when working at height.
- During installation and/or use of the GREEN anchorage devices, the respective accident prevention regulations (e.g. working on roofs) must be observed.
- If you commission the restraint system to external contractors, the instructions for assembly and use are to be provided in writing.
- After a fall, any further use of the entire system is to be avoided and the system must be checked by an expert (component parts, fastening to the mounting surface, etc.).
- All repairs must only be carried out after consultation with the manufacturer.
- The GREEN anchorage devices were developed for personal safety and may not be used for other purposes. Never attach undefined loads to the security systems.
- Do not make any changes to the approved anchorage devices.
- For sloping roofs, roof avalanches (ice, snow) must be prevented by suitable devices to intercept snow.
- Applicable country-specific lightning protection regulations must be observed.
- If the system is sold to another country, the instructions for use must be available and provided in the local language.
- Attention: Snow clearance at the facility required due to snow pressure load.

2. For safe installation

- The GREEN "RH03 & RH04" safety roof hook may only be assembled by capable experts familiar with the use of the roof safety system.
- The installers must ensure that the mounting surface is suited for fixing the anchorage device. If in doubt, a structural engineer should be consulted.
- The proper installation and attachment of the safety system to the building must be documented by protocols and photos of each fitting situation.
- The possible sealing of the roof has to be carried out according to the relevant guidelines.
- When accessing the roof safety system, the positions of the anchorage devices are to be documented in plans (e.g. a sketch of the roof-top view).
- Stainless steel must not come into contact with swarf or steel tools. This can lead to corrosion.
- The combination of individual elements of the specified devices may cause risks if the safe functioning of one of the elements is impaired (observe the user instructions!).
- The safety roof hook must not be used as an anchorage point for a horizontal safety rope system according to EN 795 C.
- If any ambiguity occurs during installation, it is imperative that you contact the manufacturer.

3. For safe use

- Measures must be taken prior to starting work to ensure the prevention of any objects from falling down from the work site. The area below the work site (sidewalk, etc.) must be kept clear.
- Before use, the entire system must be checked via visual inspection for obvious defects (e.g. loose screw connections, deformations, abrasion, corrosion, defective roof sealings, etc.). If there are doubts as to the safe function of the safety system, it must be inspected by an expert (written documentation).
- In case of wind forces exceeding the usual level, the safety system must not be used.
- The anchorage device on the roof is designed for stress in all directions parallel to the installation surface.
- The anchorage device is not suitable for rope-supported work (rope-secured work, etc.).
- The attachment to the anchorage device GREEN is always performed with a carabiner to the anchorage eye and must be carried out with a harness in accordance with EN 361 and a force-absorbing fall arrestor with a connection device (EN 355, EN 354 and EN 353-2).
- Warning: For horizontal use, only connection devices that are suitable and tested for this purpose on the corresponding edge design (sharp edges, trapezoidal sheet metal, steel beam, concrete, etc.) may be used.
- The fastening material must always be set as short as possible in order to minimize the possible free-fall height in the event of a fall.
- A plan must be available that specifies rescue procedures for all possible emergencies.
- The minimum clearance under the roof edge and the ground is calculated as follows:
 - Deformation (max 0.4 m) of the anchorage device under load
 - + Manufacturer specification of the personal protective equipment used
 - + Height
 - + 1 m safety margin

4. Warranty

The system components of the anchorage device "Roof hook RH03 & RH04" are made of stainless steel/galvanized steel. Under normal conditions of use and environmental conditions, all components are warranted for 2 years against manufacturing defects. However, if the anchorage point is used in particularly corrosive atmospheres, this period may be shortened. In the case of a fall (user falling), the warranty claim expires.

Warning:

Please note that if you do not observe the instructions for use and in the case of incomplete documentation, any compensation claims are excluded. For system and component assemblies, which have been delivered and installed by assembly firms under their responsibility, GREEN International Absturzschutz GmbH assumes no responsibility or warranty.

5. Review

5.1. Check after installation

After installation, the following points must be observed:

- Screws completely screwed in
- Form elements are enclosed
- Roof hook has a perfect, tight fit
- Fill out the installation report (see page 12)
- Do not forget photo documentation (during assembly)

5.2. Check before use

- Inspection of components for obvious defects (deformation etc.)
- Roof hook has a perfect, tight fit

5.3. Annual review

The entirety of the safety equipment must be subjected to inspection by an expert at least once per year. The user's safety depends on the effectiveness and durability of the equipment. The inspection by an expert must be documented on the attached control card. For a template of the control card see page 14.

6. Application/Approvals

6.1. Application

The safety roof hook "RH03 & RH04" serves as a fastening point for a roof rope and was designed as an anchorage point for personal safety for 2 persons (including 1 person for first aid) and is suitable for the following fall protection systems according to EN 363:2008:

- Restraint systems
- Suspension systems
- Rescue systems

6.2. Approvals

GREEN roof hooks "RH03 & RH04" have been tested and certified as an anchorage point according to EN 517: 2006 Type B (in all load directions) and CEN/TS 16415.

The test was performed statically and dynamically on the original mounting surface.

6.3. Acceptance point of the anchorage device

TÜV Austria Services GmbH,
Deutschstrasse 10
A-1230 Wien / Austria, CE 0408

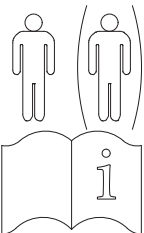
6.4. Signs and marks

1. Manufacturer
2. Product name
3. Max. Number of persons
4. Read product description
5. Production date / batch number
6. Standard
7. Identification of the notified body
8. Reference to the product description

③

① **GREEN**
INTERNATIONAL

② **RH03**



Jahr - KW ⑤

EN 517 Typ B & CEN/TS 16415 ⑥

CE 17 / 0408 ⑦

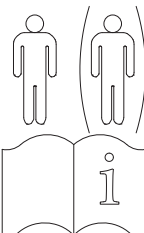
Anchor point plastically deformable!
Use PSA EN355 with energy ab-

⑧

④

GREEN
INTERNATIONAL

RH04



Jahr - KW

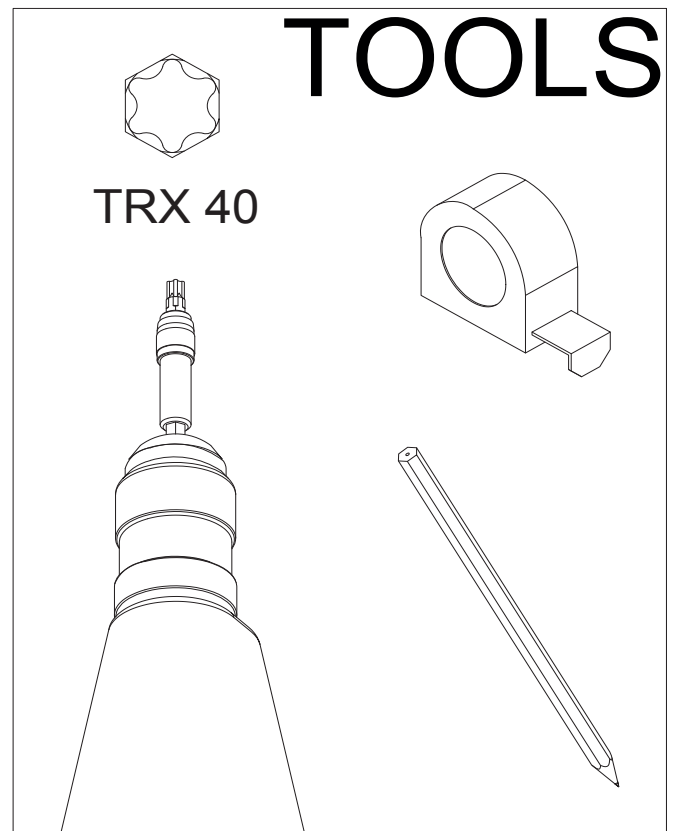
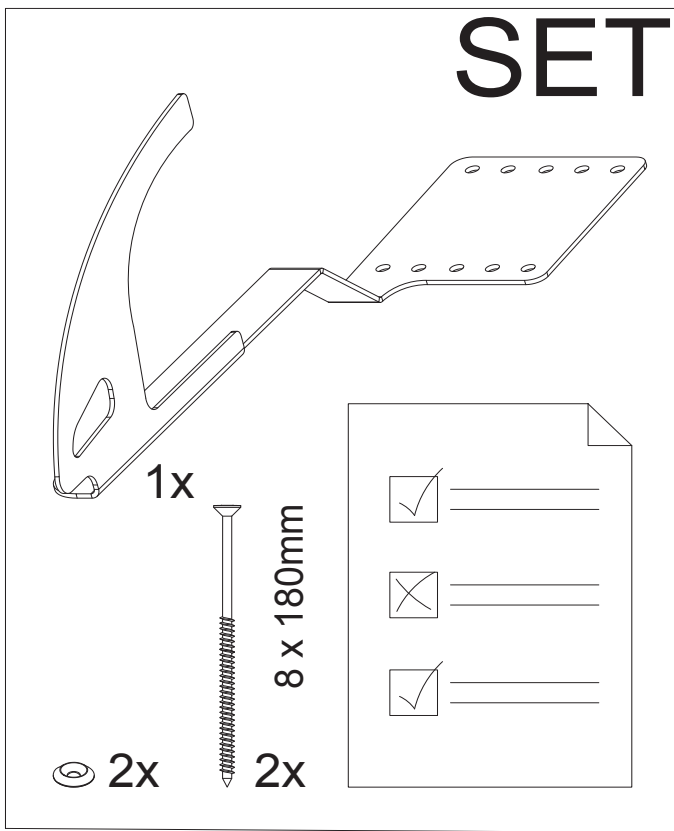
EN 517 Typ B & CEN/TS 16415

CE 17 / 0408

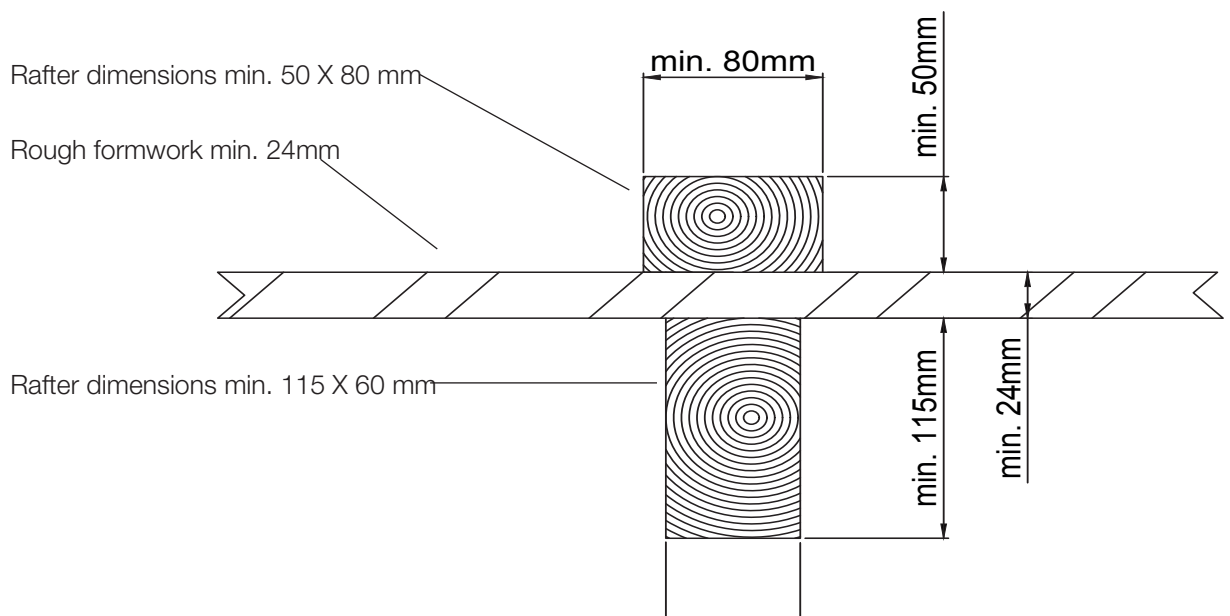
Anchor point plastically deformable!
Use PSA EN355 with energy ab-

7. General information for assembly

7.1. Set & Tools

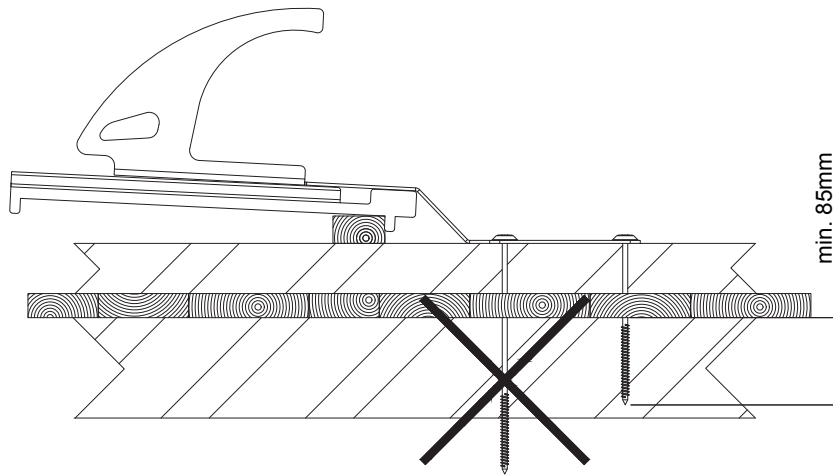


7.2. Roof construction



There must be a static load-bearing substructure. If in doubt, a structural engineer should be consulted.

7.3. Fastening

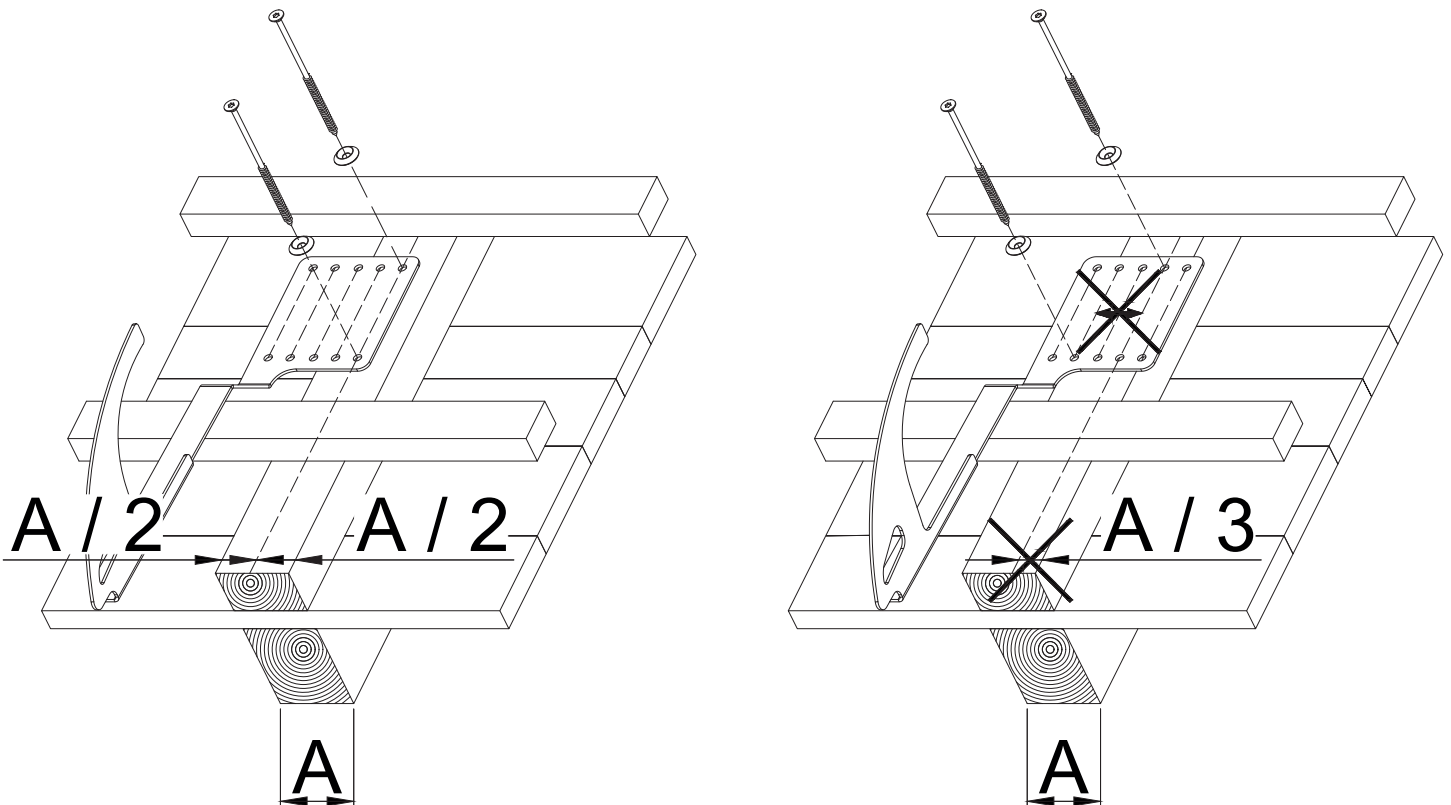


Fastening must be done with the original, supplied wooden construction screws, because only these achieve the required strength on the mounting surface.

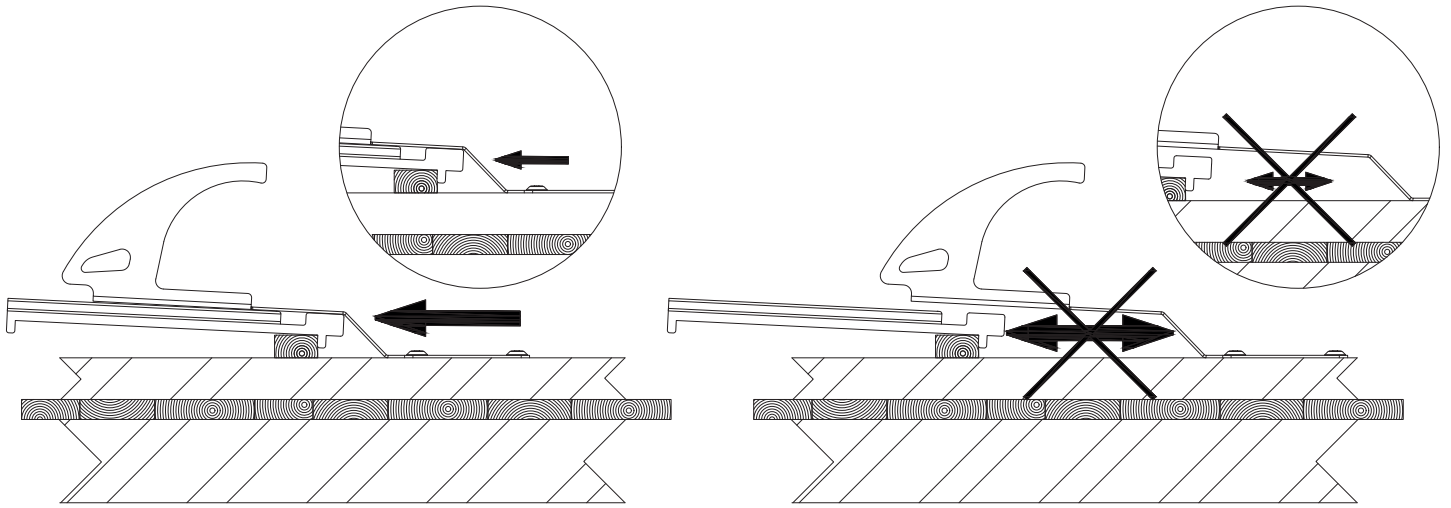
If the minimum setting depth is not reached, or the screws supplied are too long, the screw length must be reevaluated. Consult the manufacturer!

8. Installation instructions

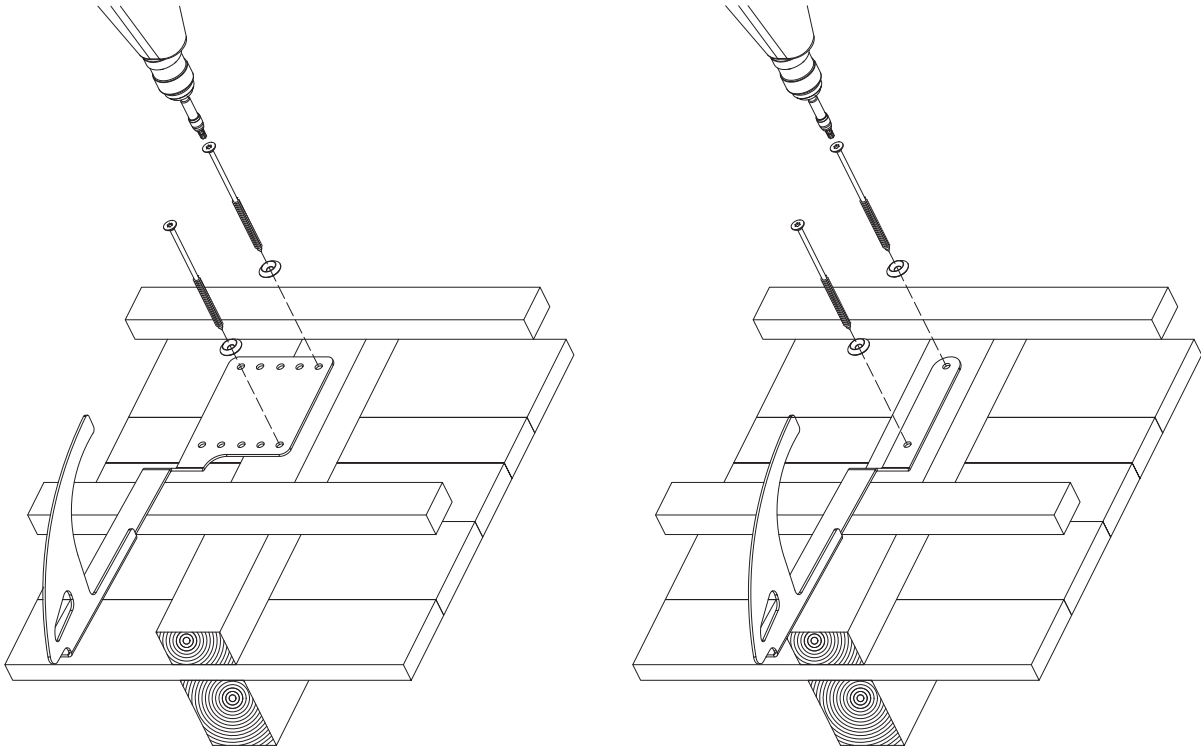
8.1. Positioning



Align the roof hook in such a way that the 2 pcs. of supplied fixing screws, including form discs, can be fastened in the middle of the rafter. Depending on the height of the tile, height differences can be compensated by bending the Z-edge.



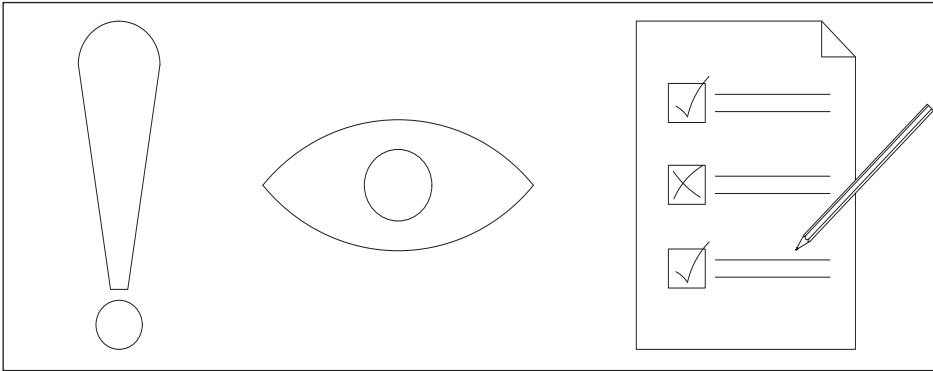
8.2. Assembly



8.3. Sealing

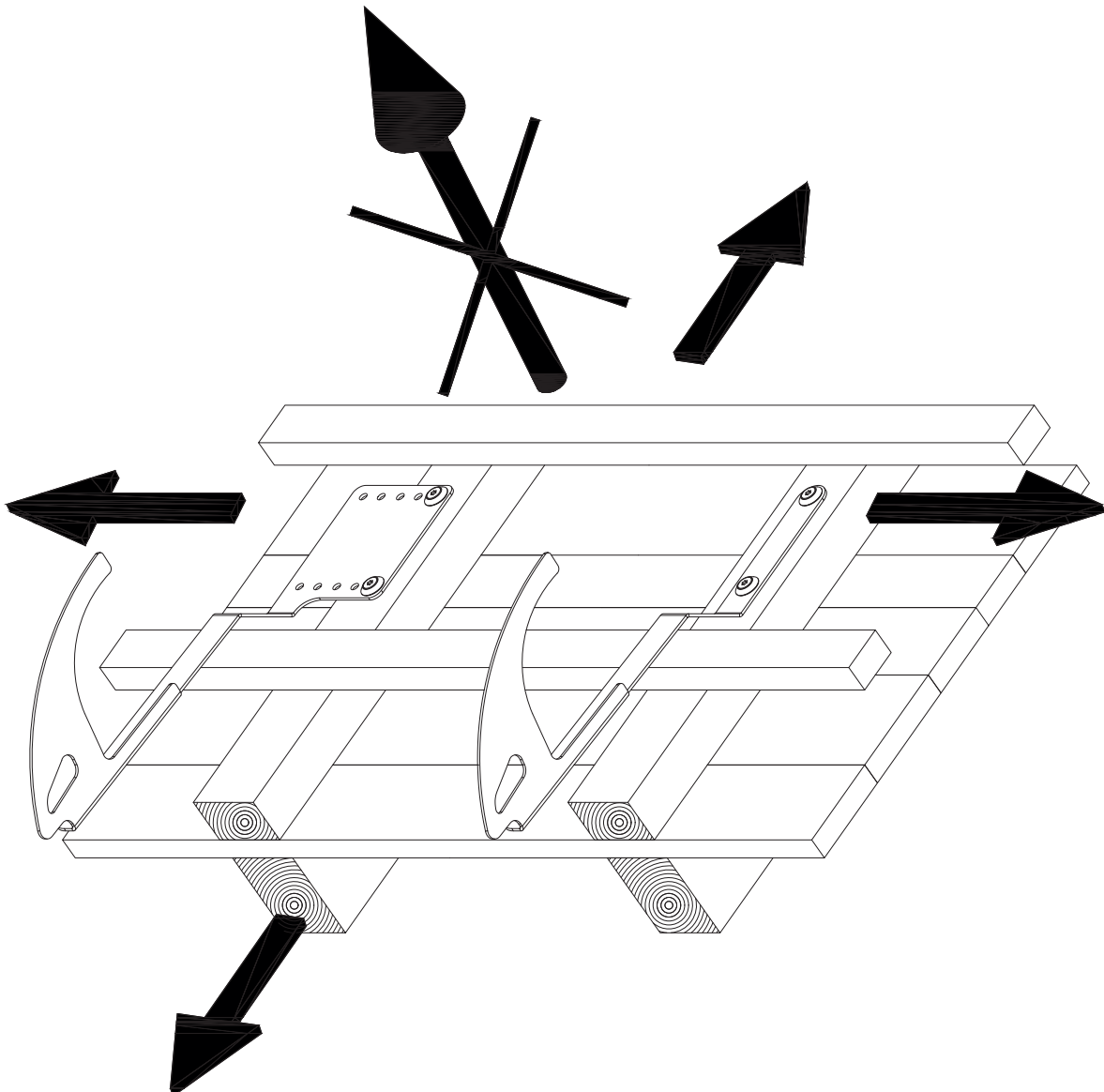
Sealing is carried out according to the recognized rules of technology in the roofing trade by means of roofing sheets. Additional measures may be necessary, e.g. for low roof pitches (sealing strips, etc.).

8.4. Check



- Screws completely screwed in
- Form elements are enclosed
- Roof hook has a perfect, tight fit
- Fill out the installation report (see page 12)
- Do not forget photo documentation (during assembly)

9. Loading directions



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10. Assembly protocol

BV / Object: _____ **Location of the device:** _____
Street, house number

Product: _____ ZIP / City

Client:	Contractor:	Installation firm:
_____	_____	_____
<small>Company name / surname, first name</small>	<small>Company name / surname, first name</small>	<small>Company name / surname, first name</small>
_____	_____	_____
<small>Street, house number</small>	<small>Street, house number</small>	<small>Street, house number</small>
_____	_____	_____
<small>ZIP / City</small>	<small>ZIP / City</small>	<small>ZIP / City</small>
_____	_____	_____
<small>Tel. (office, mobile)</small>	<small>Tel. (office, mobile)</small>	<small>Tel. (office, mobile)</small>

Installation protocol

Date	Place	Mounting surface	Fastener material <small>(Dowels, screws, etc.)</small>		Tightening torque

The undersigned installation company assures the proper processing of the dowel according to the manufacturer's guidelines. (Proper cleaning of bores, compliance with curing times and processing temperature, edge spacing of the dowels, inspection of the mounting surface, etc.)

Photo documentation

Date	Place	Photos / File name

- The client accepts the performance of the contractor.
- The assembly and use instructions, mounting protocols, photo documentation are handed over to the client (construction principal) and are to be made available to the user. When accessing the safety system, the positions of the anchorage devices are to be documented by the building owner in plans (e.g. a sketch of the roof-top view).
- The expert confirmed with the installer trusted with the installation of the security system that the installation work has been executed properly, according to current standards and according to the assembly and use instructions of the manufacturer. The safety-technology's reliability is confirmed by the installation firm.

Remarks: _____

_____	_____	_____
<small>Place and date</small>	<small>Signature of the Client</small>	<small>Signature of Contractor / Installer</small>

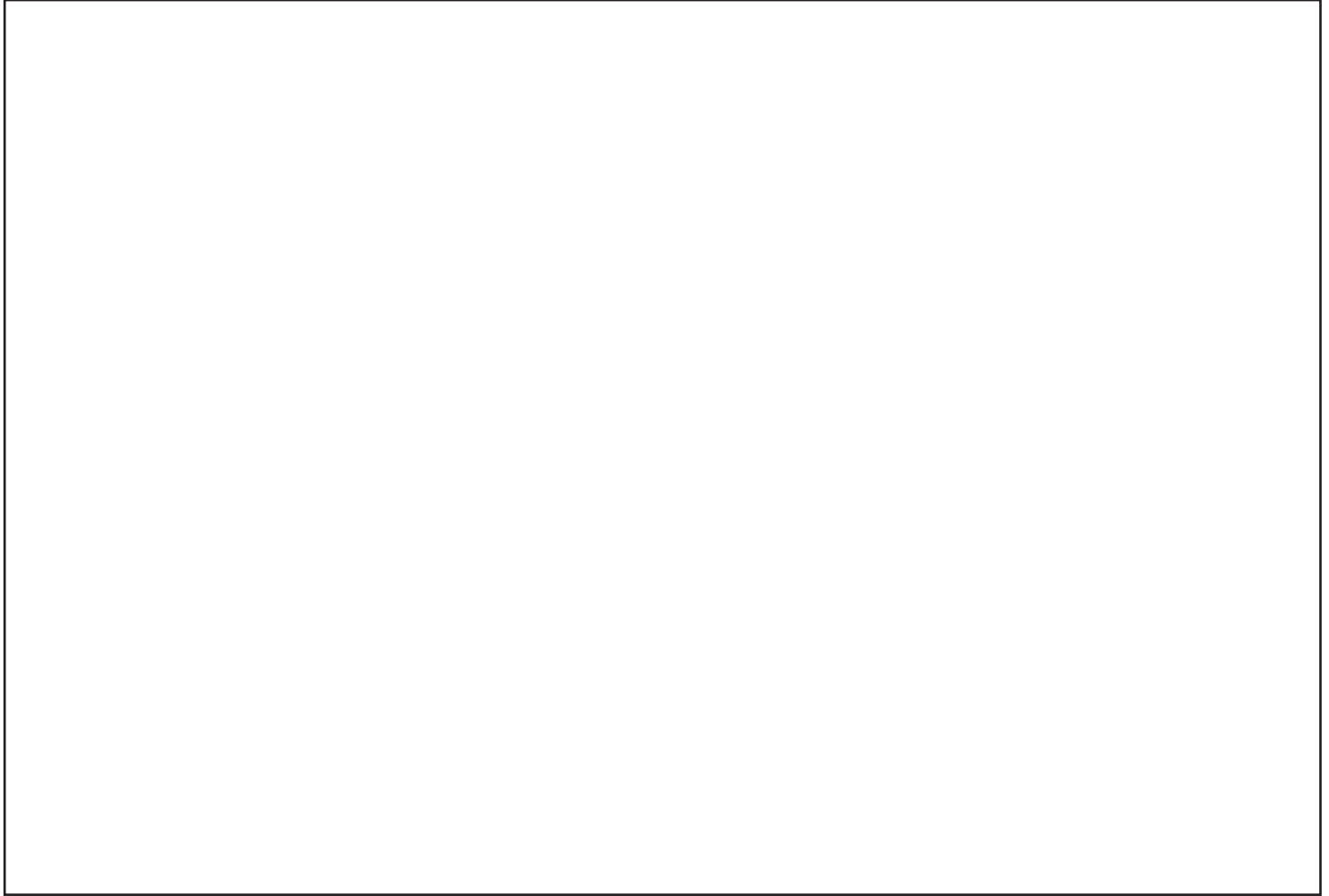
11. Note on the existing roof safety system

During roof access (system access), this notice by the owner shall be displayed in a clearly visible way:

The device must be used strictly in accordance with the instructions for assembly and use.

Depository of the assembly and use instructions, test records, etc. is:

- Overview diagram showing the position of the anchorage devices:



- Manufacturer and system name: GREEN Safety roof hooks "RH03-RH04"
- Date of last test: _____
- Maximum number of secured people: 2 persons (including 1 person for first aid)
- Requirement for fall absorbers: yes

- The minimum clearance under the roof edge and the ground is calculated as follows:

Deformation and displacement (max 1m) of the anchorage device under load

- + Manufacturer specification of the personal protective equipment used including rope deflection
- + Height
- + 1 m safety margin

12. Control card roof hook "RH03 & RH04"

Performed activities	Identified Defects		Date	Company / name / Expert	Description of defect / Activities	Date of the next scheduled review
	Yes	No				
<p>System review</p> <ul style="list-style-type: none"> • No deformation of the individual parts recognizable • all screws and connections tight • Rope guides undamaged <p>Visual inspection of the attachment points and accessories (fasteners, etc.) by an authorized expert.</p>						

In the event of a fall or in case of doubt, the anchorage device shall be withdrawn immediately from use and sent to the manufacturer or a specialized workshop for inspection and repair. This also applies to damage to the slings.

The document must be completed by the person in charge and kept in a safe place together with the instructions for use (e.g.: property management).

When accessing the roof safety system, the positions of the anchorage devices are to be documented by plans (e.g. a sketch of the roof-top view)!

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13. Notes



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