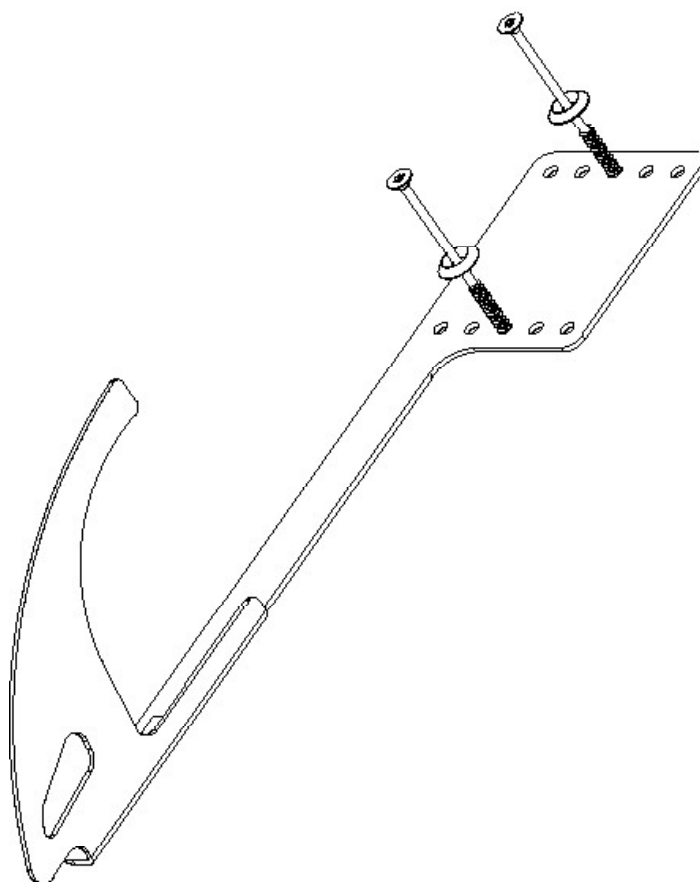




GREEN

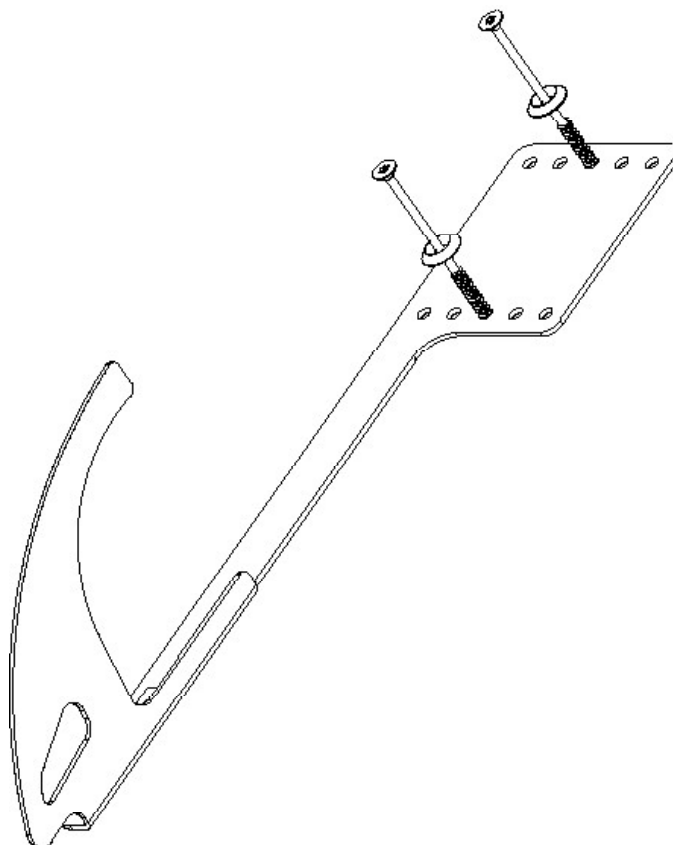
INTERNATIONAL



ROOF HOOK - RH 2

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		Turvallaitteiden asennus ja käyttö on sallittu vasta, kun asentaja ja käyttäjä ovat lukeeet 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.



PROJECT DATA

CURRENT LABELING

ASSEMBLY COMPANY

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1. Safety instructions

Attention

- Before installation and before use thoroughly read this Installation and Operation Manual.
- Read carefully. The safety instructions must be observed.
- The "RH-2" anchorage device may only be installed by persons with proper knowledge of the roof safety system.
- The system may only be installed or used by persons who are familiar with these operating instructions, as well as with the local safety regulations, are physically or mentally healthy and trained on PPE (personal protective equipment).
- Health restrictions (cardiac and circulatory problems, medication intake, alcohol) can affect the safety of the user when working at height.
- For mounting / using the anchorage device „RH-2“ the respective accident prevention regulations (e.g.: work on roofs) must be observed.
- There must be a plan covering rescue measures in all possible emergencies.
- Before commencing work, measures must be taken to ensure that no objects can fall down from the workstation. The area under the workstation (footpath, etc.) is to be kept free.
- The installers must ensure that the subfloor is suitable for the attachment of the anchorage device. In case of doubt, a structural engineer must be consulted.
- The anchorage device on the roof is designed for loading in all directions parallel to the mounting surface.
- If any uncertainties occur during assembly, please contact the manufacturer.
- The possible sealing of the roofing has to be carried out according to the relevant guidelines.
- The proper fastening of the safety system on the structure must be documented in logs and by photos of the respective installation situation.
- Stainless steel must not come into contact with grinding dust or steel tools.
- This can lead to corrosion.
- All stainless steel bolts must be greased with a suitable lubricant before assembly in order to prevent a cold binding of the bolts.
- The anchorage point should be planned, installed and used so that falling over the edge is not possible with appropriate use of personal protective equipment.
- When accessing the roof securing system, the positions of the anchorage devices (e.g.: sketch of roof top view) are to be documented in design plans.
- The minimum clearance from the falling edge to the ground is calculated as:
- Manufacturer specification of the personal protective equipment to be used incl. rope deflection + body size + 1 m safety margin.
- The fastening to the roof safety hooks "RH-2" is performed through the anchorage eye always with a carabiner and must be done with a harness in accordance with EN 361 and a force-absorbing fall absorber with lanyard (EN 355 and EN 354).
- **Attention:** For horizontal application, only fasteners suited for this purpose and for the corresponding edge designs (sharp edges, trapezoid sheet, steel beam, concrete, etc.) may be used.
- The combination of individual elements of the equipment referred to can cause risks, because the safe functioning of an element can be impaired. (Note the respective operating instructions!)
- The entire safety system must be checked before use for obvious defects by visual inspection (e.g. loose screw connections, deformations, abrasion, corrosion, defective roof sealing, etc.).
- If there are doubts as to the safety of the security system, it must be inspected by an expert (written documentation).
- The entire safety product must at least once be subjected to an annual inspection by an expert. The inspection by an expert must be documented on the provided control sheet.
- After a fall event, the further use of the entire system is to be avoided and must be checked by an expert (component parts, fastening to the ground, etc.).
- The "RH-2" safety hook was developed for personal safety and may not be used for other purposes. Never hang loads on the anchorage device!
- Do not make any changes to the approved anchorage device.
- For sloping roofs, roof avalanches (ice, snow) must be prevented by suitable devices to intercept snow.
- If you provide the safety system to external contractors, the instructions for assembly and use are to be provided in writing.
- The safety roof hook serves as a rope safety device for maximum two people.
- Safety ropes may be hung in the anchor point only with carabiners.
- The safety roof hook must not be used as anchorage point for a horizontal safety rope system in accordance with EN 795 C.
- Attention: Snow clearance at the facility required due to snow pressure load.

2. Product description/purpose

The „RH-2“ roof safety hook is a permanently usable safety anchor which is permanently installed on the inclined roof structure and provides a secure single anchorage point for two persons in all load directions. It serves as an anchorage point for personal protective equipment and for hooking a roof ladder.

2.1. Identification and standards

Type identification: „RH-2“
Standards: EN 517 B
CEN/TS16415
Name or logo of the manufacturer: GREEN
Serial number / year of manufacture: xxx / xx
Signs that must be noted in the instruction manual:



Nameplate:



3. “RH-2“ technical specifications

GREEN „RH-2“ roof safety hook has been tested on the roof and certified according to EN 517 B (2006) CEN / TS16415 (2012).
The test was performed statically and dynamically on the original substrate.

Number of users: max 2 persons
Material: galvanized steel sheet or powder-coated galvanized steel sheet
Substrate: min rafter cross section: 80x100 mm
with continuous wooden formwork
Fasteners: 2 pcs. Ø8 special wood screws - galv.
2 pieces. Fasson washers Ø8 - galv.
Required tool: Torx – Bit “TX40”

- Through the special design of the roof hook, this is always in the brick or composite roofing, a bend of the roof hook to the rafter is therefore not necessary.
- The sealing of the roofing has to be carried with single sheets, correctly according to the relevant standards and the generally accepted rules of the technology in the roofing industry. With low roof pitches, additional measures (sealing strips, etc...) may be necessary.

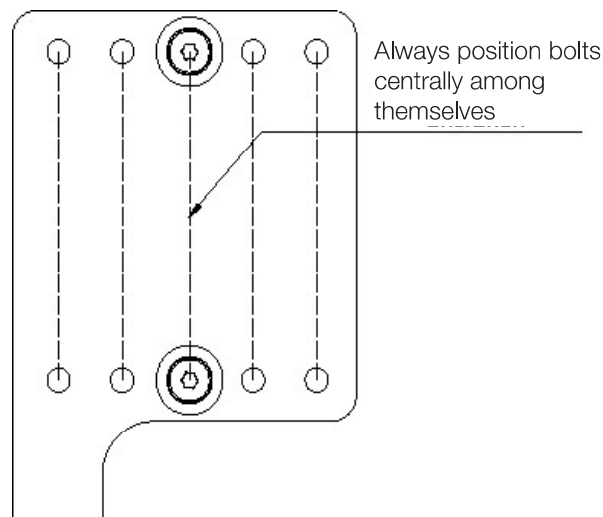
4. Construction and assembly

4.1. Fastening to the substructure Type: "RH-2"

The „RH-2“ roof safety hooks are installed on a steep roof. The precondition is a statically bearing substructure and the use of the originally supplied fasteners. In case of doubt, a structural engineer must be consulted. Installation is carried out according to requirements of the anchorage points (e.g. roof hatch, chimney, solar equipment) with a minimum of 1.5 m to the roof edge. The fastening must be done with the original fastening material, because only these provide the required strength to the substructure.

4.2. Installation steps

Align the roof hooks so that 2 pieces of supplied fastening bolts, incl. Fasson washers in the middle of the rafters, can be attached below each other.

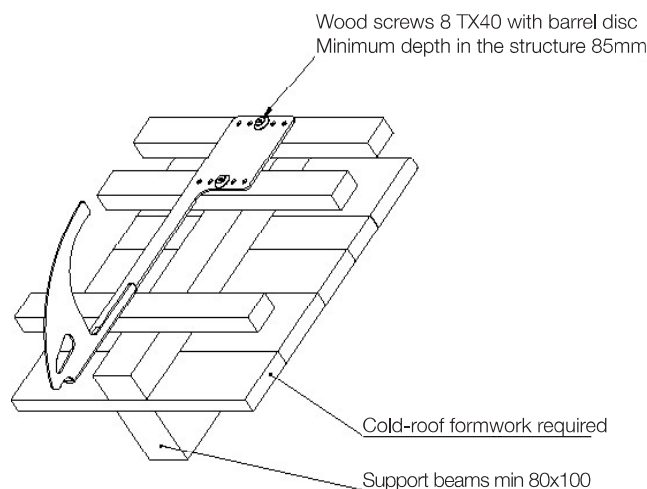


Required tool: Bit Torx 40

The minimum installation depth of the wood screws in supporting wooden planks (rafters) is 85 mm.

The screws must always be completely screwed in.

Check the roof safety hooks at the end for proper, secure fit.



The supplied wood screws 8 X 220 cover standard situations.

If below the minimum setting depth or the delivered screws are too long, reconsider the screw length.

5. General notes

5.1. Personal protective equipment

Check harnesses, shock absorbers and carabiner hooks before each use for proper condition (damage). Do not use the anchorage device if there are doubts about its safe condition. In such case, the anchorage device must be checked by an expert or the manufacturer immediately and replaced if necessary. (See 7.4) Any anchorage device that experienced a fall case must be taken out of service and replaced by a qualified person or the manufacturer. The instructions for use of other products in conjunction with this product have to be considered.

5.2. Using the system

When using the anchorage device, it must be ensured that the slings are not exposed to fire or other heat sources. This leads to the immediate destruction of the slings. Furthermore, scraping or slipping over sharp edges should be avoided.

Run a visual inspection before using the system. Check the system for signs of damage, breakage or excessive wear or damaged holders.

The anchorage device must not be used if the personal protective equipment (PPE) cannot be fully connected or is damaged (e.g. corrosion, deformation).

5.3. Note the planning fundamentals

When used as a backup while leading, the distance between the anchorage points must be less than the distance from the roof edge.

5.4. Maintenance / inspections

The anchorage point must be subjected to an annual inspection by an expert person authorized by the manufacturer in strict accordance with the manufacturer's instructions. The controls are important since the safety of the user depends on the effectiveness and durability of the equipment.

6. Notified delivery point of the anchorage device



TÜV Wien
Deutschstraße 10
1230 Wien

7. Master copy „Notes on the existing roof safety“

Roof safety hooks „RH 2“

For roof access (system access), this notice by the owner shall be placed and be clearly visible:

Notes on the existing roof safety system

Use may only be carried out in accordance with the instructions for installation and use.

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

- Overview diagram showing the position of the anchorage devices:

- Manufacturer and system name: GREEN Roof safety hook „RH 2“
- Date of last audit: _____
- Highest number of persons to be protected: 2 persons
- Need for energy absorbers: yes

The minimum clearance from the falling edge to the ground is calculated as:

- + Manufacturer specification of the personal protective equipment to be used, incl. rope deflection
- + body size
- + 1 m safety margin.

8. Master copy installation protocol

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

Product: _____
Zip code, city

Client: _____ Contractor: _____ Installation firm: _____

Company name / surname, first name

Street, house number

Zip code, city

Tel. (office, mobile)

Installation protocol					
Date	Location	Anchoring ground	Fastening material (dowels, screws, etc.)		Tightening torque

The undersigned installation firm assures the proper processing of the dowel according to the manufacturer's guidelines. (Proper cleaning of bores, compliance with curing and processing temperature, edge distances of the dowels, inspection of the ground, etc.)

Photo documentation		
Date	Location	Photos / File Name

- The client approves the performance of the contractor.
- The assembly and use instructions, installation protocols, photo documentation were made available to the client (building owner) and have to be made available to the user. When accessing the safety system, the positions of the anchorage devices (e.g.: sketch of roof top view) are to be documented by the building owner in design plans.
- **The expert confirmed with mechanic responsible for the safety system that the installation work has been performed properly, according to the current state of technology and according to the assembly and use instructions of the manufacturer. The safety technology reliability is confirmed by the installation firm.**

Remarks: _____

Place, date _____ Signature of client _____ Signature of contractor / installer _____

Master

9. Control sheet

Performed activities	Determined faults		Date	Company / name / Expert	Description of defects / measures	Date of next regular review
Installation / construction The single anchorage points were assembled/installed according to the supplied installation and use instructions	Yes	No				
System check Visual inspection of the anchorage points (Deformation, loose screws) and Accessories (fasteners, etc.) by an authorized expert.						
Performed without any complaints.						

*** In case of a fall load or doubts, the anchorage device shall be taken out of service immediately and sent to the manufacturer or a competent workshop for examination and repair. This is also true in case of damage of the slings.

The document must be completed by the responsible person and be kept safe with the use instructions in a safe place (such as: Property Management).

When accessing the roof safety system, the positions of the anchorage devices are to be documented in design plans (e.g.: sketch of roof top view).

No.: CE 0123

10. Notes

11. Notes



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