



## Installation and User Manual

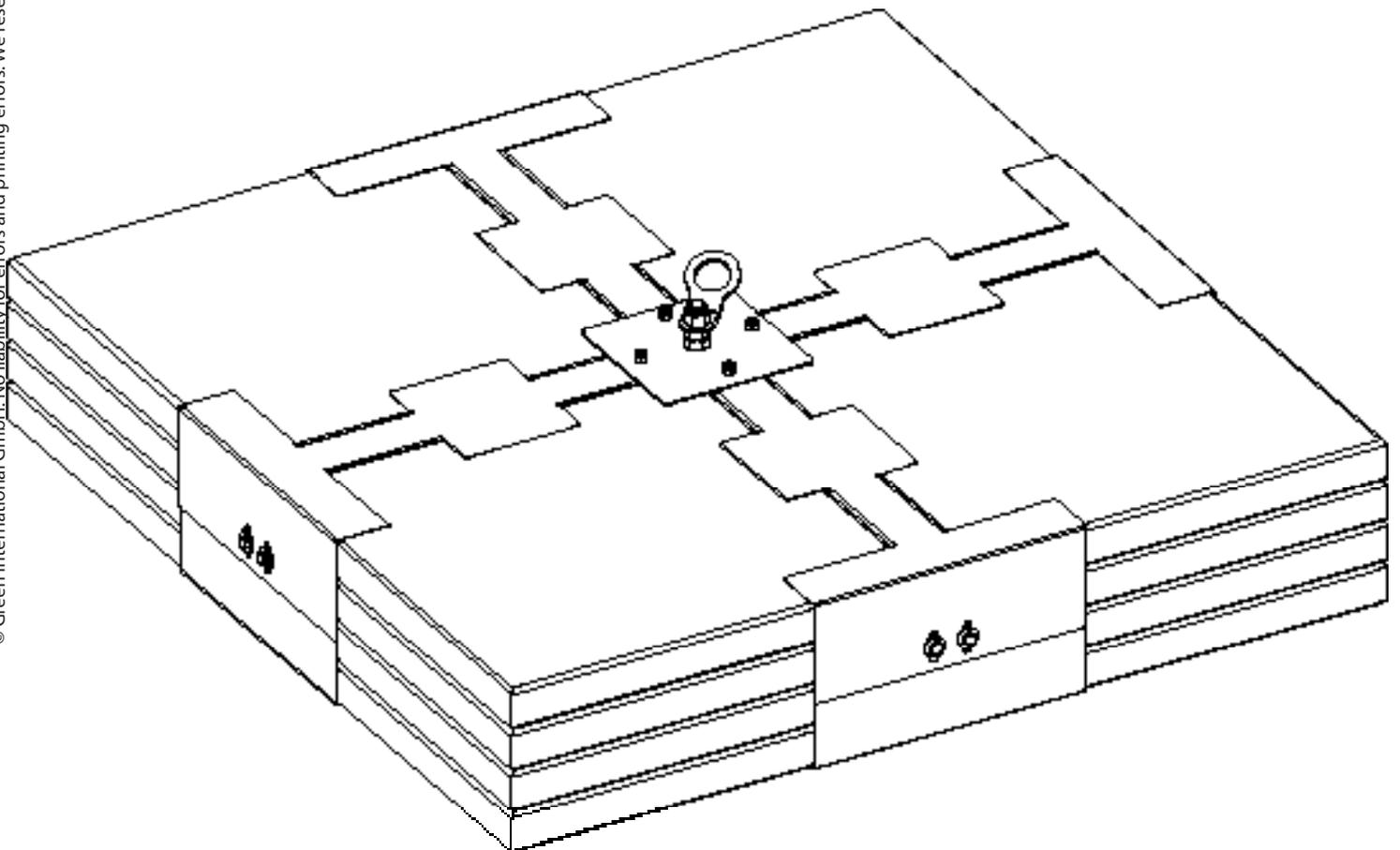
Read the product description carefully



# GREEN

## INTERNATIONAL

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# STONEKIT

ENGLISH

V-20.01.20

## 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

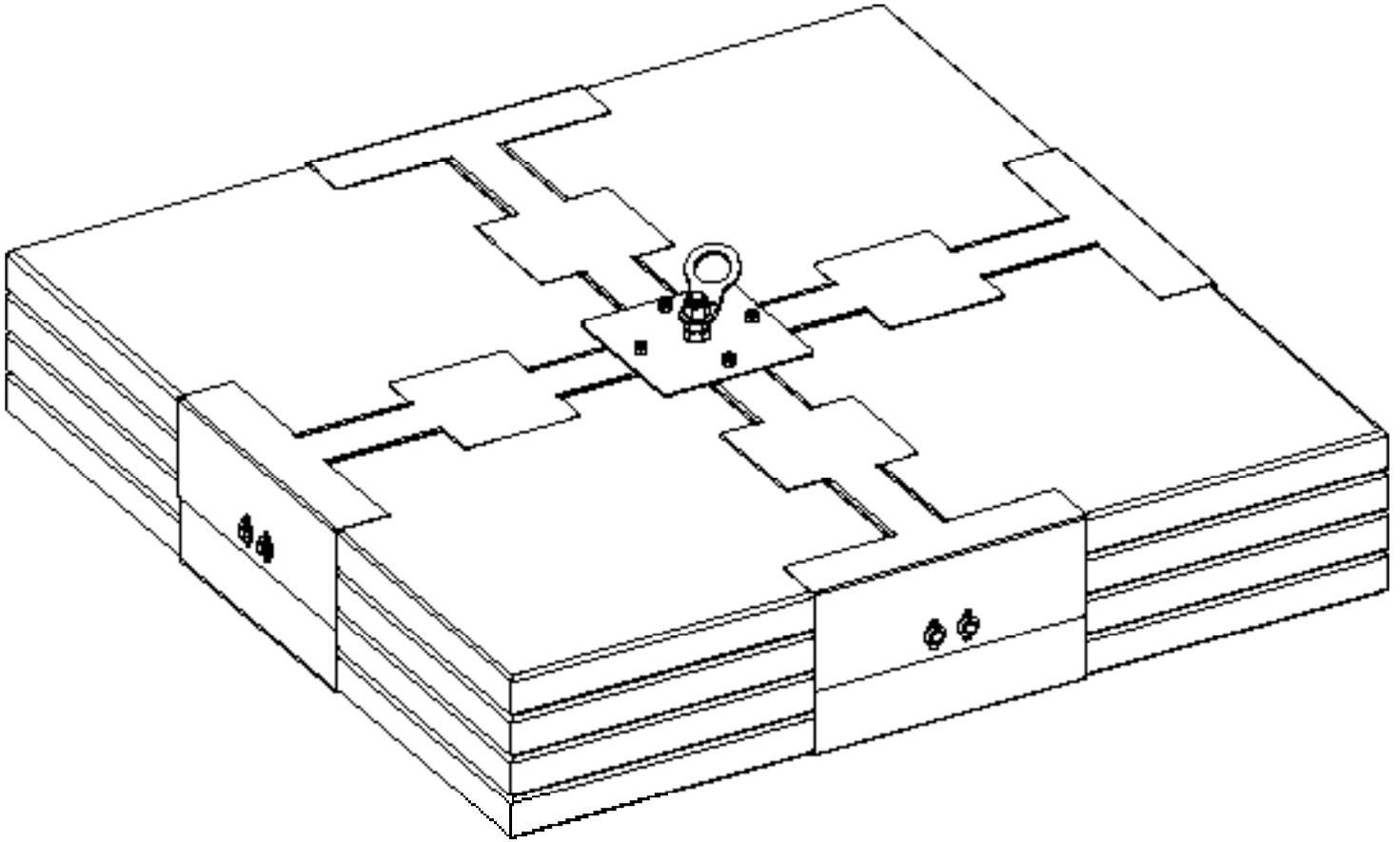
Säkerhetsanordningen får inte monteras och användas förrän montören och användaren har läst igenom konstruktionsbeskrivningen och bruksanvisningen i original på resp lands språk.

## 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.



**PROJECT DATA**

**SYSTEM DESCRIPTION**

**INSTALLATION COMPANY**

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**Table of Contents**

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<b>1. General safety instructions</b>	<b>5</b>
<b>2. For safe installation</b>	<b>5</b>
<b>3. For safe use</b>	<b>6</b>
<b>4. Warranty</b>	<b>7</b>
4.1. Warranty	7
4.2. Inspections	7
<b>5. Application/Approval</b>	<b>7</b>
5.1. Approvals	8
<b>6. General information</b>	<b>9</b>
<b>7. Set &amp; tools</b>	<b>10</b>
<b>8. Installation instructions</b>	<b>11</b>
<b>9. Load instructions</b>	<b>15</b>
<b>10. Application examples: Rope system + Eap</b>	<b>15</b>
<b>11. Acceptance point of the device</b>	<b>15</b>
<b>12. Installation log</b>	<b>16</b>
<b>13. Anchorage element „STONEKIT“</b>	<b>17</b>
<b>14. Control sheet</b>	<b>18</b>
<b>15. Notes</b>	<b>19</b>

## 1. General safety instructions

- The anchorage point should be designed, installed and used so that it is not possible to fall over the edge when the personal protective equipment is used properly.
- The system may only be installed or used by persons who are familiar with these operating instructions as well as the local safety regulations and who are physically or mentally healthy and trained on the use of PSA (personal protective equipment).
- Children and pregnant women should not use the anchorage system.
- Health restrictions (cardiac and circulatory problems, medication intake, alcohol) can affect the safety of the user when working at height.
- During installation, use the „Stonekit“ attachment system, and observe the respective accident prevention regulations (e.g. for working on roofs).
- When the anchorage system is handed over to external contractors, the installation and use instructions must be handed over in writing.
- After a load fall case, the entire anchorage system has to be withdrawn from further use and checked by a specialist (components, attachment to the ground, etc.).
- Repairs may only be carried out in accordance with the instructions of the manufacturer.
- The GREEN anchorage devices have been developed for personal protection and may not be used for other purposes.
- Never attach undefined loads to the anchorage systems.
- No modifications shall be made to the approved anchorage devices.
- In the case of inclined roof surfaces, slippage of roof deposits (ice, snow) must be prevented by means of suitable snow catches.
- The national lightning protection regulations must be complied with.
- If the system is sold to another country, the instructions for use must be made available in the respective national language.
- Attention: Snow clearance at the facility required due to snow pressure load

## 2. For safe installation

- The GREEN „Stonekit“ anchorage device must only be installed by a qualified person familiar with the roof safety system.
- The installers must ensure that the mounting surface is suitable for the anchorage device's load (450 kg/m<sup>2</sup>). In case of doubt, a structural engineer must be consulted.
- Use only for up to <math>5^{\circ}</math> roof inclination.
- There must be an attic that withstands min. 2 kN.
- Can be used on bitumen and plastic sealing sheets. RISK TO LIFE when mounted on an unsuitable surface.
- To protect roof waterproofing sheets, application of a protective layer made of roofing material underneath the „Stonekit“ is recommended. The protective layer must be connected by force fit to the roof sealing sheet.
- The proper installation of the anchorage system must be documented by means of protocols and photographs of the respective installation situation.
- When accessing the roof safety system, the positions of the anchorage devices must be documented by means of plans (e.g. sketches of the roof-top view).
- Stainless steel must not come into contact with grinding dust or steel tools. This can lead to corrosion.
- All stainless steel screws must be lubricated with a suitable lubricant before assembly.
- The combination of individual elements of the above-mentioned equipment may create dangers in that the safe function of one of the elements can be impaired. (Observe the respective operating instructions!)
- The anti-slip covering of the feet must be cleaned carefully during each installation and dismantling (except for the initial installation).
- If any uncertainties arise during assembly, please contact the manufacturer.

### 3. For safe use

- Before commencing work, measures must be taken to ensure that no objects can fall down from the work site. The area under the workplace (pavement, etc.) must be kept clear.
- Before use, the entire anchorage system must be checked for obvious defects by visual inspection (e.g. loose screw connections, deformations, wear, corrosion, defective roof sealing, etc.). If there is any doubt as to the safe functioning of the anchorage system, it must be checked by a qualified person (written documentation).
- Use in snow and icing (frost) as well as gravel and other slippery substances is forbidden.
- If the anchorage device is embedded by a sand, gravel or soil layer of min. 5 cm (1 concrete slab = 4-5 cm), the use in snow and ice (frost) is also allowed.
- The anchorage systems may not be used in cases of wind forces that exceed the normal limits.
- The anchorage device on the roof is intended to be used in all directions parallel to the mounting surface.
- The anchorage system must not be used in combination with high-altitude safety devices (EN 360).
- The anchorage device is not suitable for rope-supported work (rope-suspended work, etc.).
- The attachment to the GREEN anchorage device always takes place with a carabiner at the anchorage eye and must be carried out with a harness according to EN 361 and a force-absorbing shock absorber with connecting means (EN 355 and EN 354).
- **Warning:** For horizontal use, only use fastening materials which are suitable for this purpose and which are tested for the corresponding edge design (sharp edges, trapezoidal sheet metal, steel beams, concrete, etc.).
- The fastening material must always be set as short as possible in order to reduce the possible free fall height to a minimum in the event of a fall.
- The required minimum distance from the edge to the ground is calculated as follows:
- Deformation and displacement (max. 1m) of the anchorage device in case of load
  - + Manufacturer's specification of the personal protective equipment used including rope deflection
  - + Body size
  - + 1 m safety distance
- There must be a plan which takes life-saving measures into account in all possible emergencies.

## 4. Warranty

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### 4.1. Warranty

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The system components of the „Stonekit“ anchorage point are made of stainless steel. Under normal conditions of use and ambient conditions, a guarantee is granted for all components for 2 years against production defects. However, if the anchorage point is used in particularly corrosive atmospheres, this period may be shortened. In the event of a load (user fall), the warranty expires

### Warning:

It is pointed out that in the case of non-observance of the instructions for use and in the case of incomplete documentation, all claims for compensation are excluded. GREEN International Absturzsicherungs GmbH assumes no responsibility or warranty for the system and component assemblies which were delivered and installed by assembly companies under their responsibility.

### 4.2. Inspections

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The entire anchorage device must be subjected to a test by a specialist at least once a year. The safety of the user is dependent on the effectiveness and durability of the equipment. The inspection by a specialist is to be documented on the accompanying control sheet.

## 5. Application/Approval

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The GREEN STONEKIT was

developed as an anchorage point for the personal safety of 2 persons (including 1 person for providing first aid) according to EN 795: 2012 TYPE E and is suitable for the following fall safety systems according to EN 363:2008:

- Restraint systems
- Workplace positioning systems
- Fall arrest systems
- Rescue systems

developed as an attachment point for end and corner points as well as rope intermediate holders (not included in the scope of delivery) in the Greenline horizontal rope safety system according to EN 795:2012 TYPE C & E for 2 persons (including 1 person for providing first aid) and is suitable for the following fall safety systems according to EN 363:2008:

- Restraint systems
- Workplace positioning systems
- Fall arrest systems
- Rescue systems

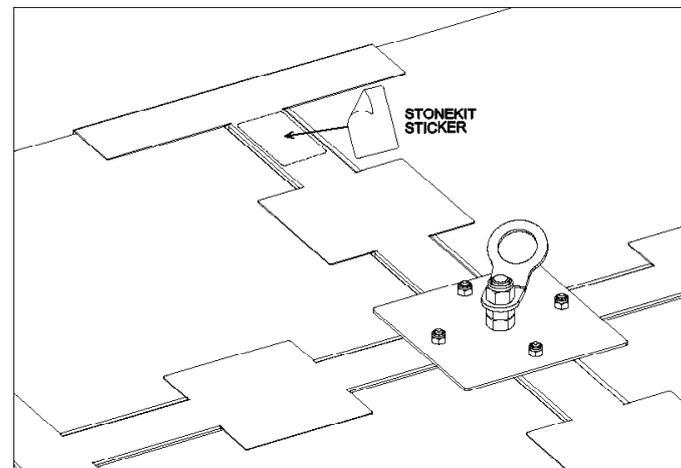
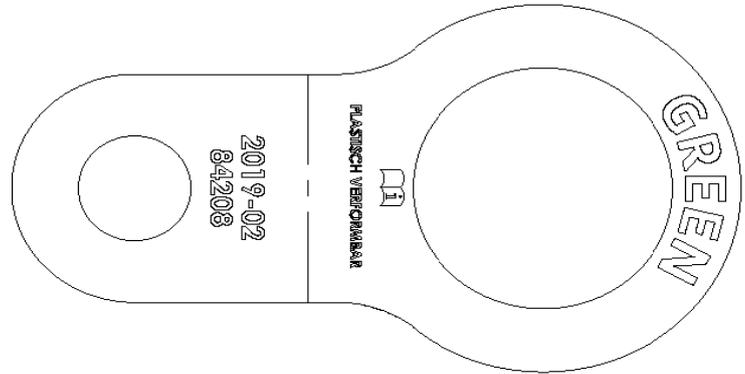
## **DANGER OF LIFE IN CASE OF INCORRECT APPLICATION!**

## 5.1. Approvals

The GREEN STONEKIT system has been tested and certified according to EN 795:2012 TYPE E as well as an anchorage point in the GREENLINE horizontal rope safety system according to EN 795:2012 TYPE C & E.

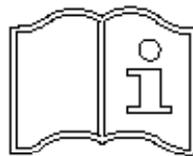
### Symbols and markings

- Manufacturer
- Read the product description
- Date of manufacture
- Lot number
- Product name
- Info
- Read the product description
- max. number of persons
- Date of manufacture
- Standard
- Identification of the notified body



# STONEKIT

- Falldämpfer verwenden
- bei Frost eingeschränkt verwendbar
- min. Freiraum unter Absturzkante:  
Herstellerangabe der verwendeten PSA + Körpergröße + 2m

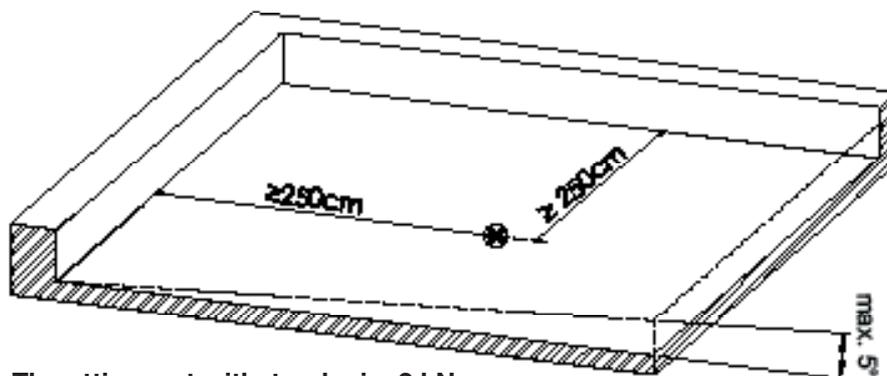
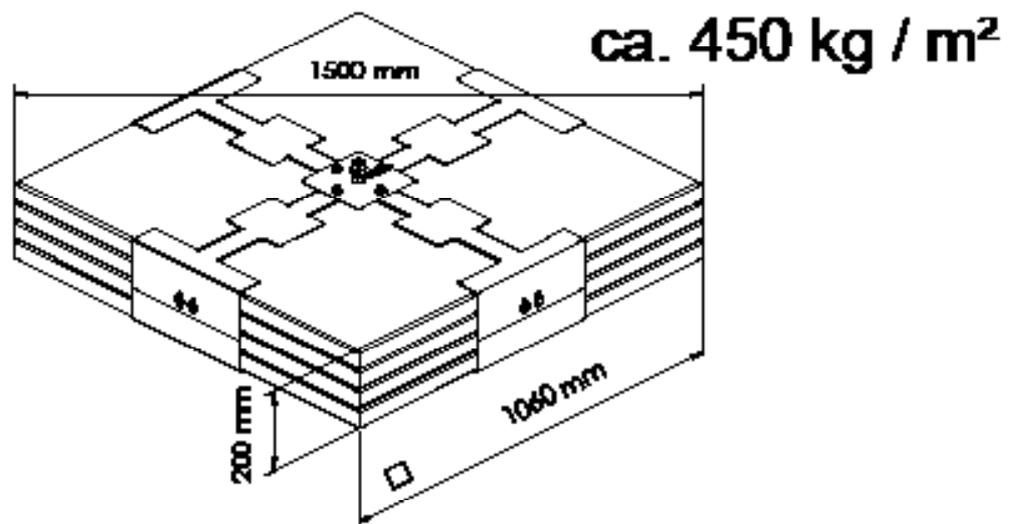
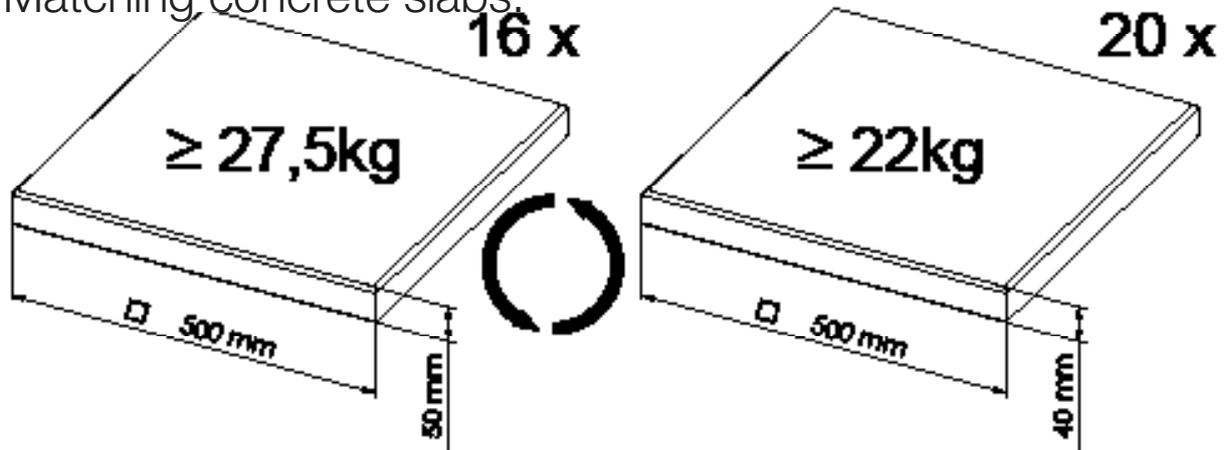


**Jahr - KW**  
**EN 795:2012 Typ E**  
**CE 0408**

Hersteller: Fa. GRÜN ARBEITSSCHUTZ GMBH

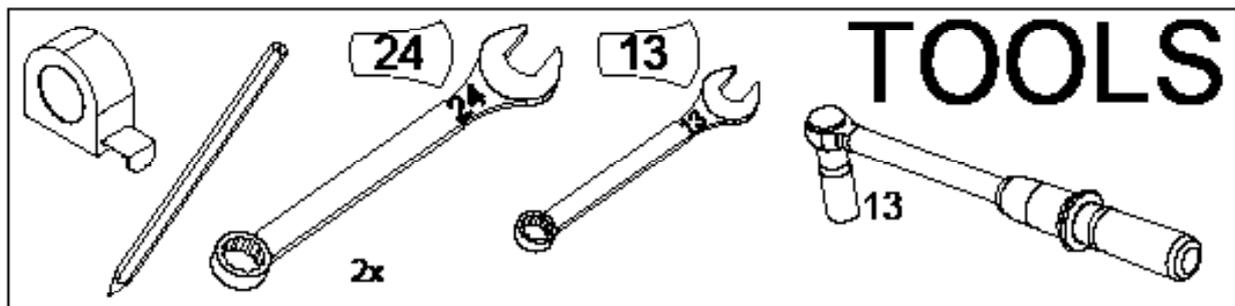
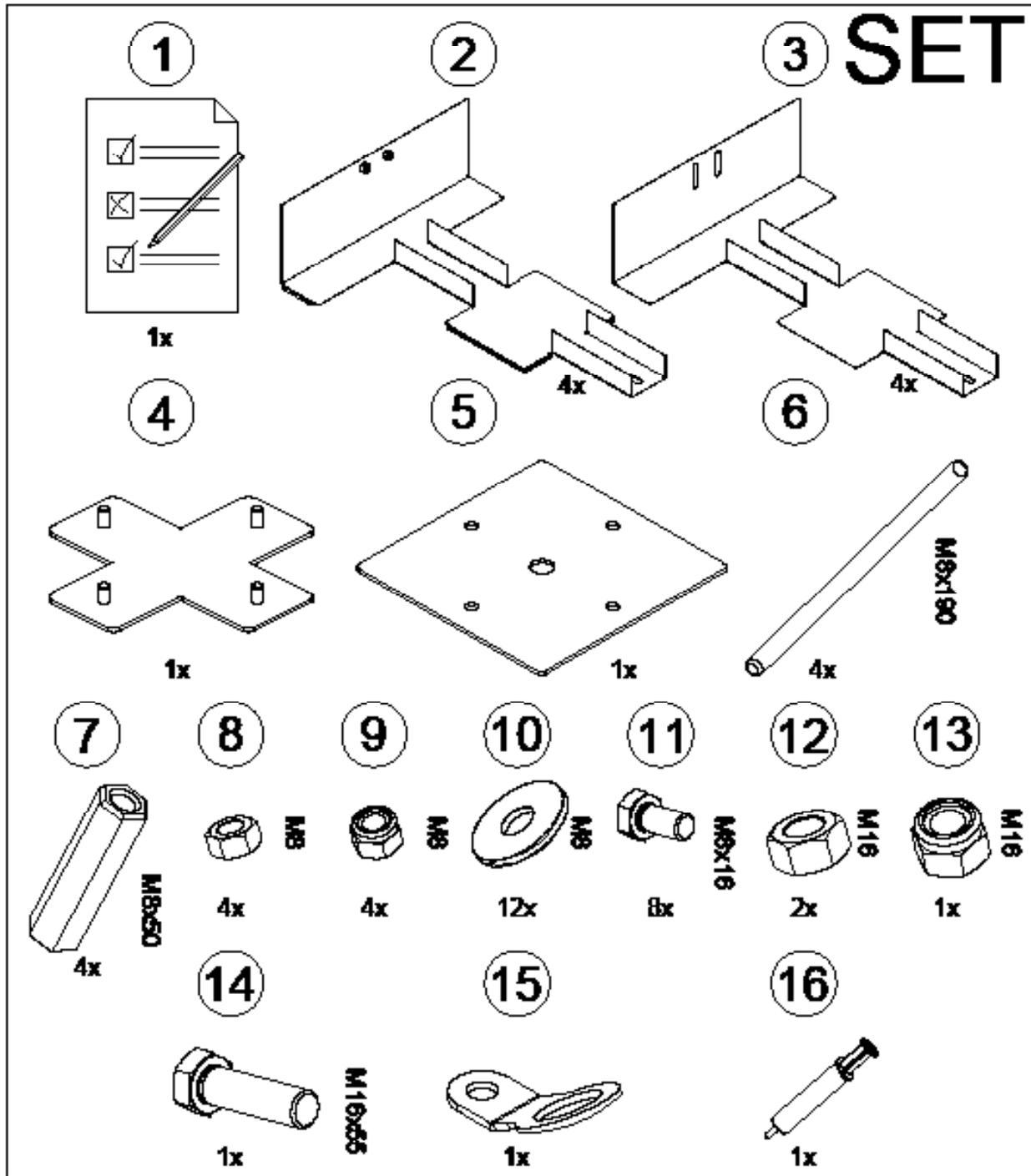
## 6. General information

Matching concrete slabs:



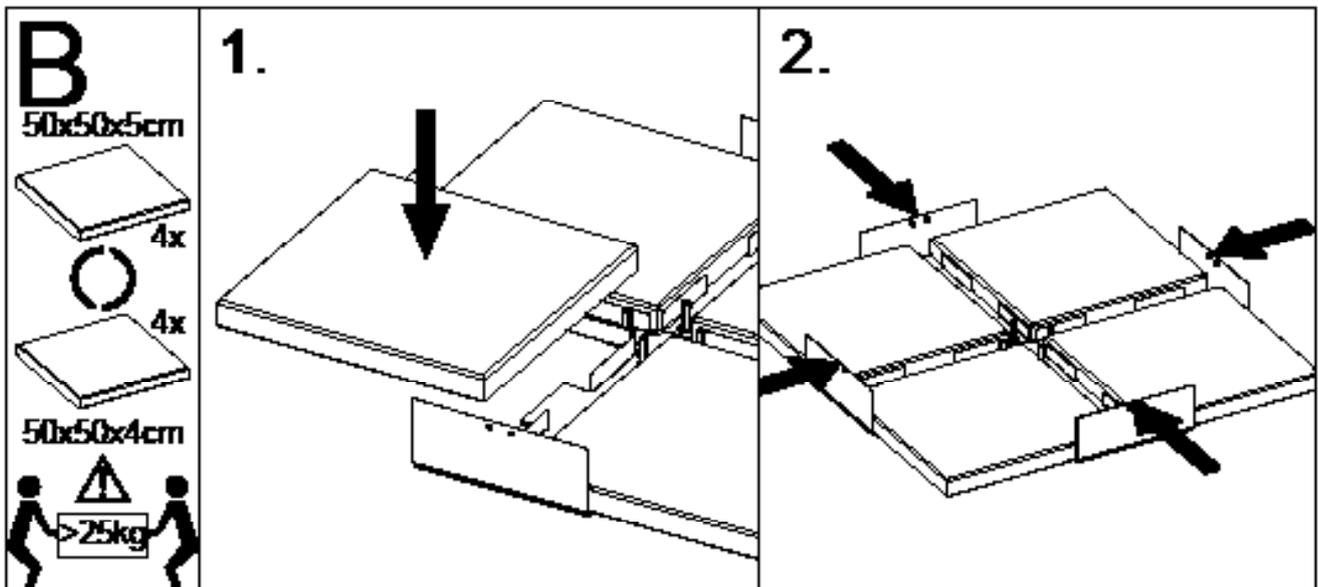
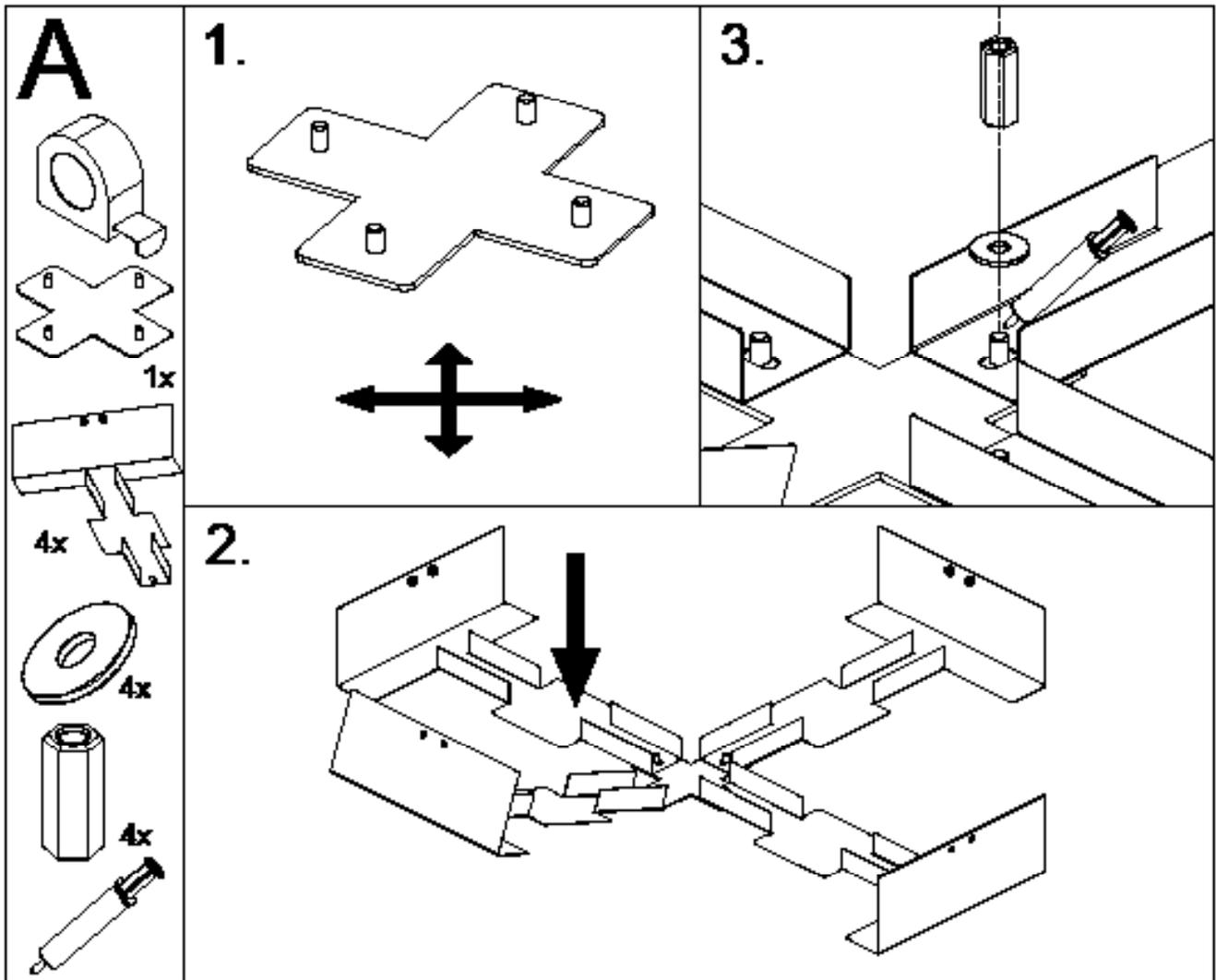
- **Warning:** The attic must withstand min. 2 kN.
- suitable for bitumen and plastic sealing sheets!
- static load-bearing substructure must be available (appr. 450 kg/m<sup>2</sup>)!
- use protective gloves when installing!

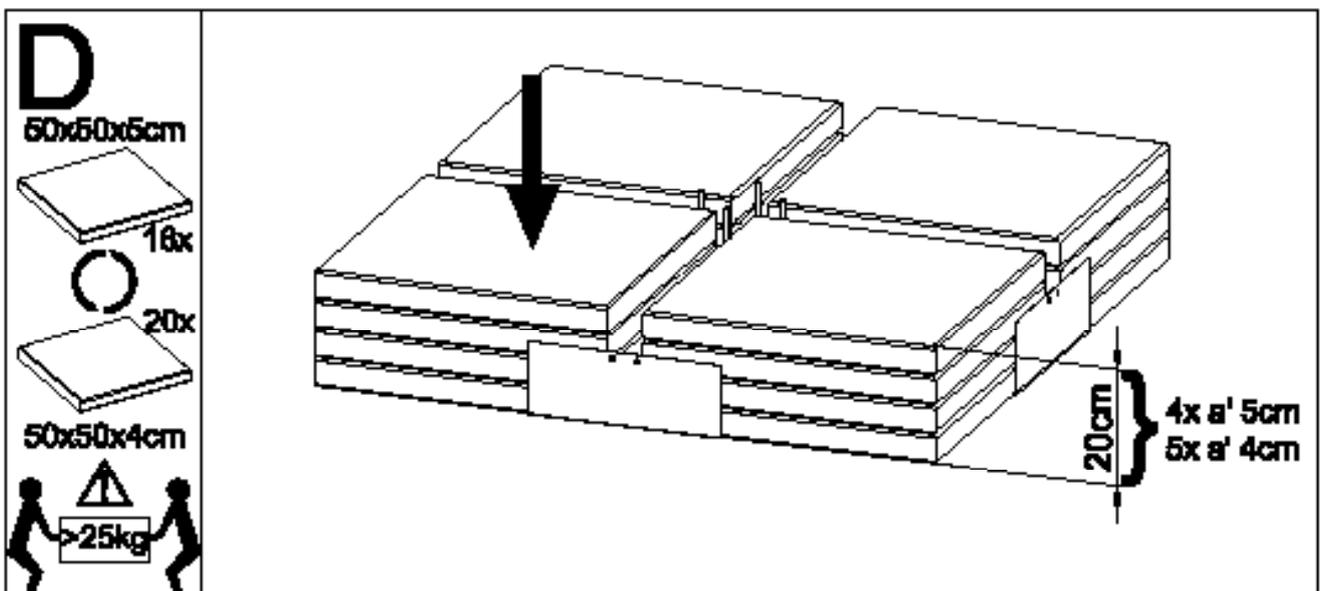
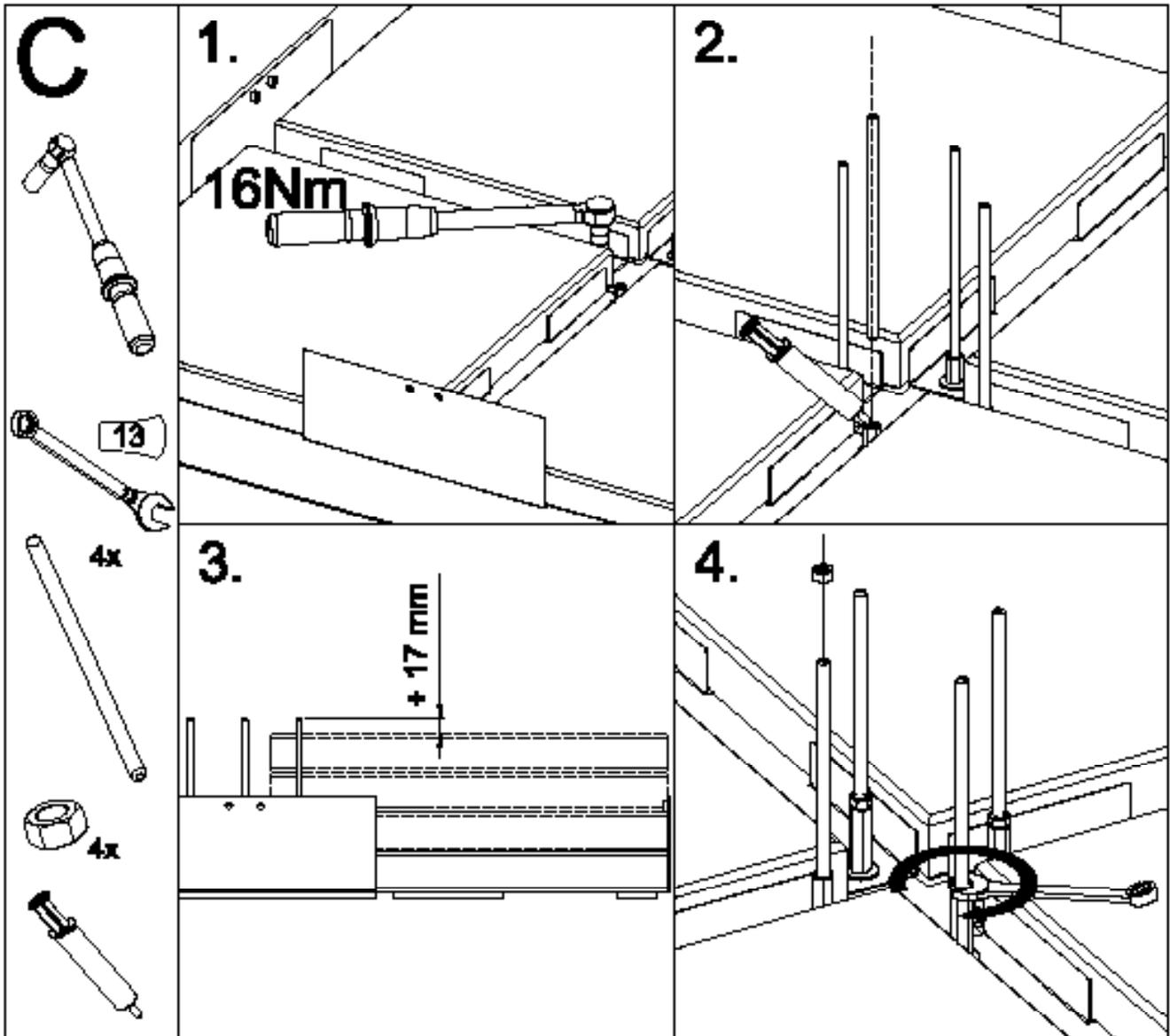
**7. Set & tools**



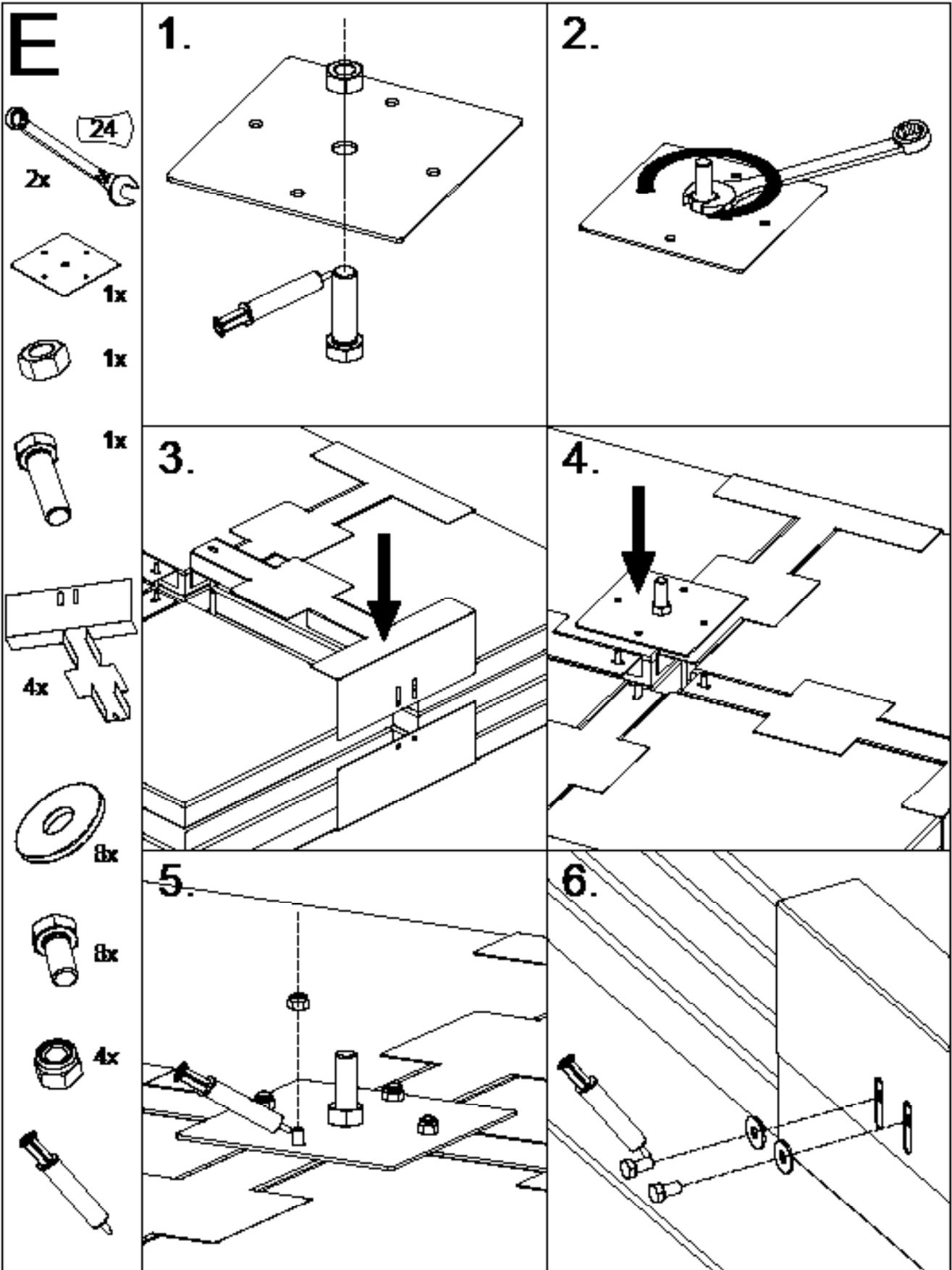
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## 8. Installation instructions

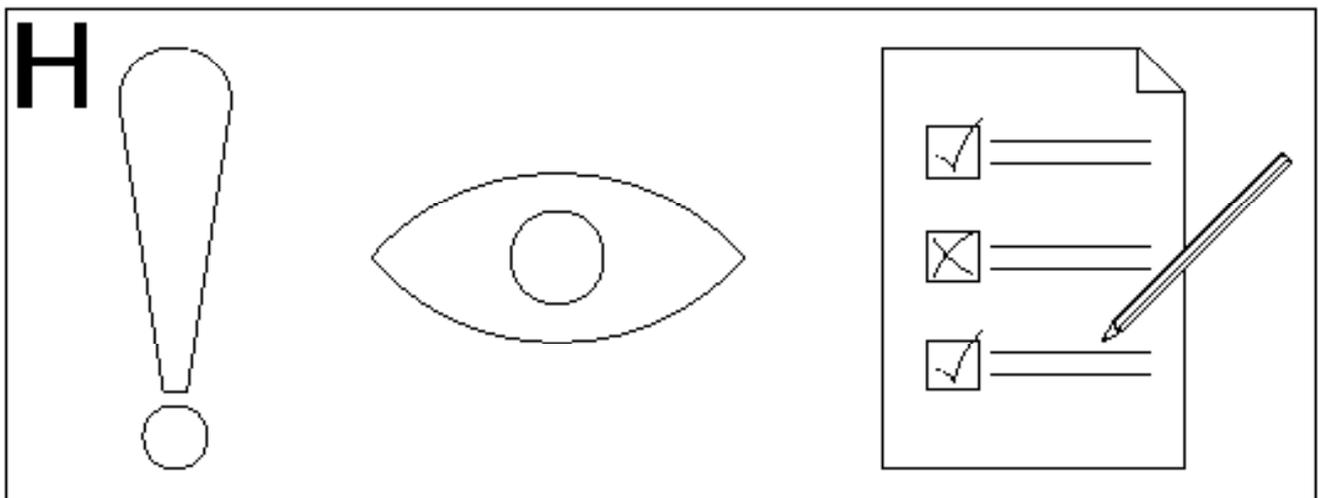
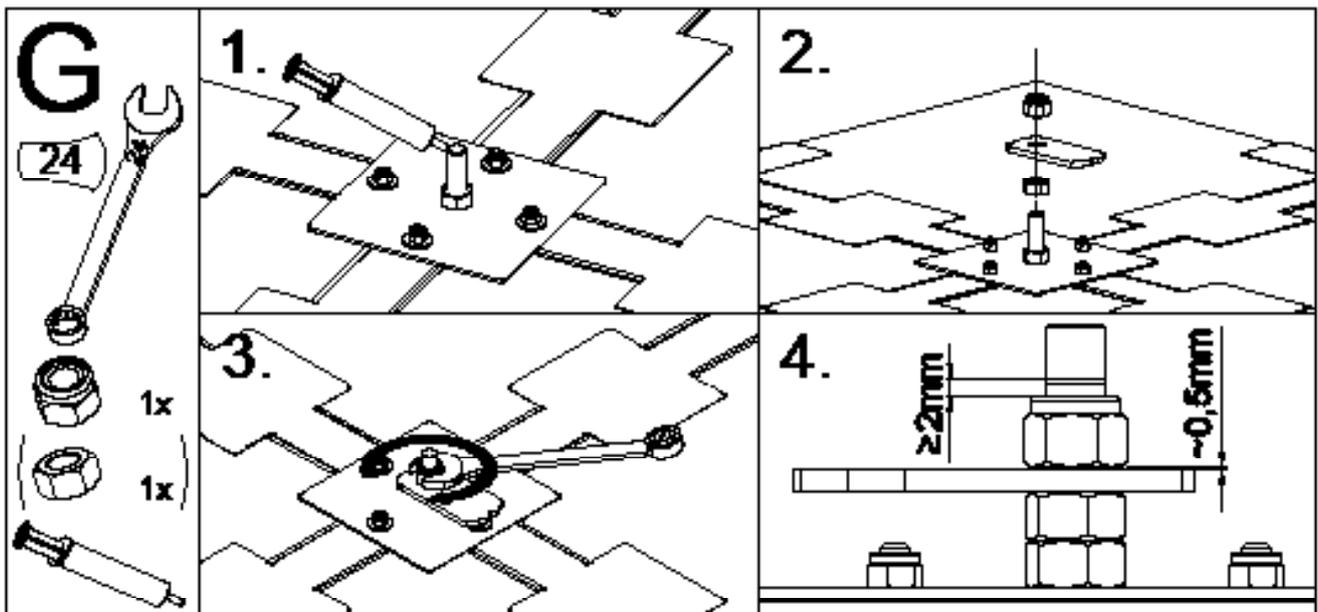
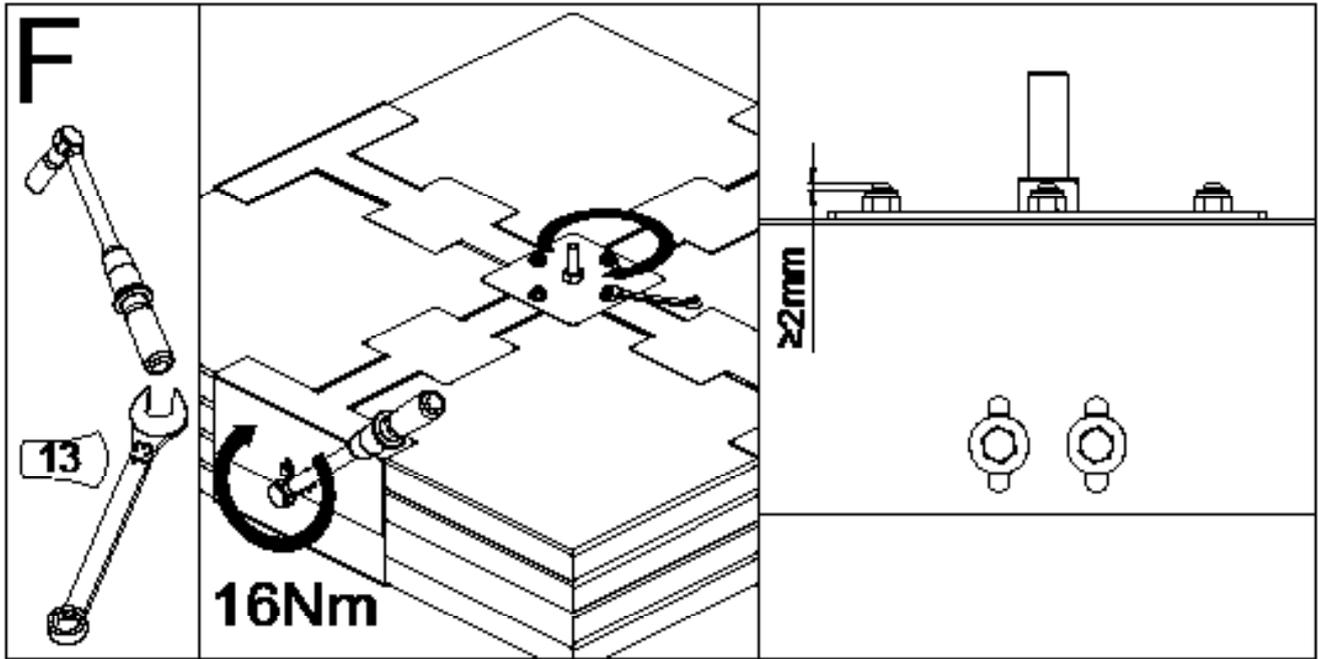




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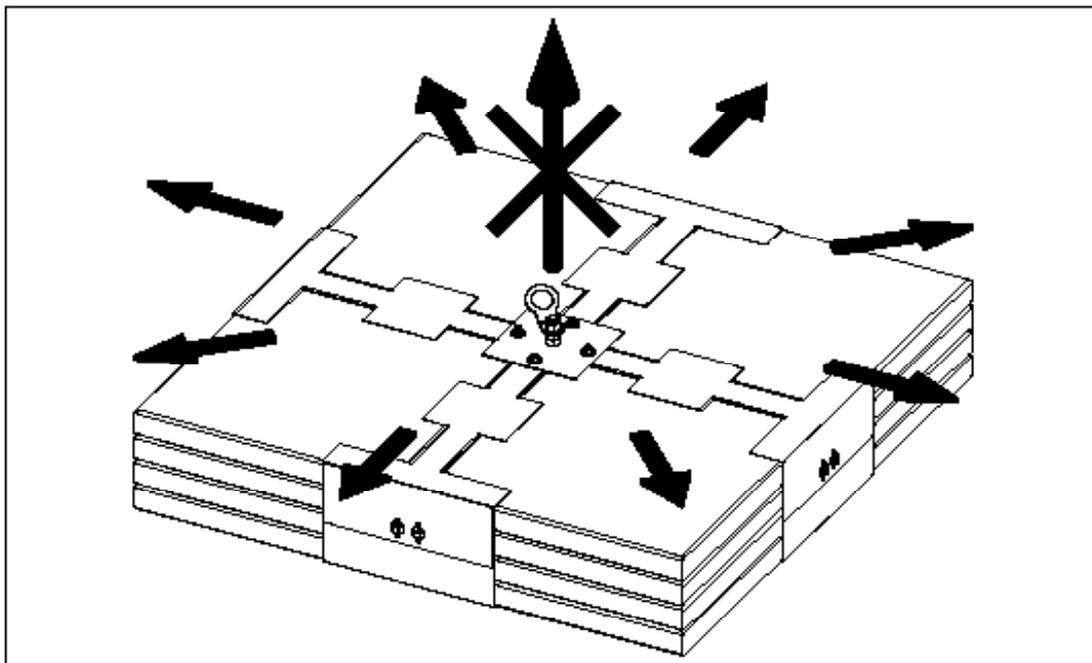


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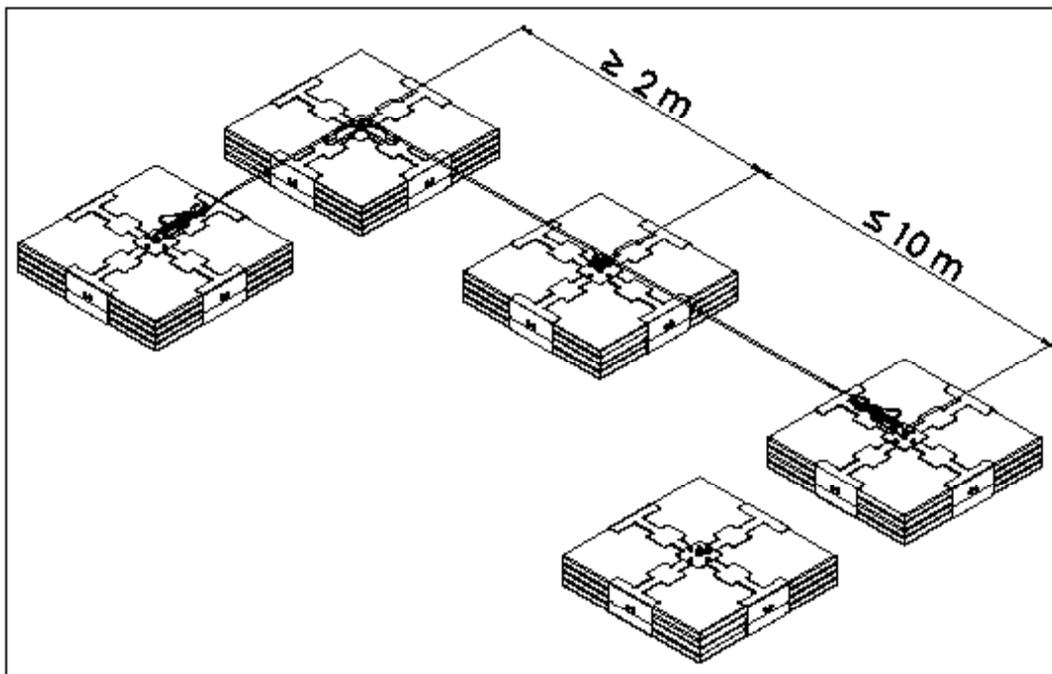


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## 9. Load instructions



## 10. Application examples: Rope system + Eap



## 11. Acceptance point of the device



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



### 13. Anchorage element „STONEKIT“

In the case of roof access (system access), this information must be visible well-displayed by the builder:

#### Notes on the existing roof safety system

The system may be used only in accordance with the instructions for installation and use.

Location of the installation and use instructions, test reports, etc.:

Overview plan with the position of the anchorage devices:



- Manufacturer and system name: GREEN „STONEKIT“
- Date of the last testing: \_\_\_\_\_
- Maximum number of persons to be secured: 2 persons (including 1 person for providing first aid)
- Need for shock absorbers: yes
- The required minimum distance from the edge to the ground is calculated as follows:  
 Deformation and displacement (max. 1m) of the anchorage device in case of load
  - + Manufacturer's specification of the personal protective equipment used including rope deflection
  - + Body size
  - + 1 m safety distance.

## 14. Control sheet

Performed activities	Identified deficiencies		Date	Company/ name/expert	Description of defects / measures	Date of the next periodic inspection
	Yes	No				
<p><b>System inspections</b></p> <ul style="list-style-type: none"> <li>• No deformation of the individual parts can be detected</li> <li>• all screws and connections tightened</li> <li>• ropes are without damage</li> </ul> <p>Visual inspection of the anchorage points and accessories (fasteners, etc.) by an authorized expert.</p>						

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\*\*\* In the event of a fall or in case of doubt, the anchorage device must be immediately withdrawn from use and sent to the manufacturer or a specialist workshop for testing and repair.

**This also applies to damage to the anchoring devices. The document must be filled in by the responsible person and kept safely with the instructions for use in a protected place (e.g.: house administration)**

**When accessing the roof safety system, the positions of the anchorage devices must be documented by means of plans (e.g. sketches of the roof top view).**

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## 15. Notes

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