

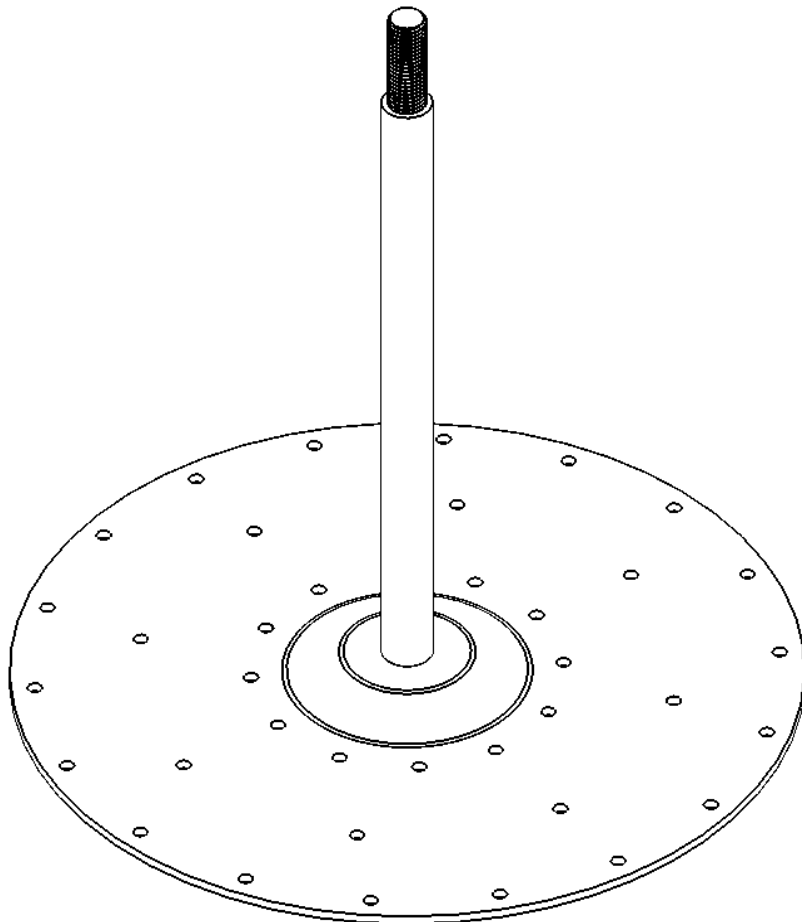


Installation and user manual
Read the product description carefully



GREEN

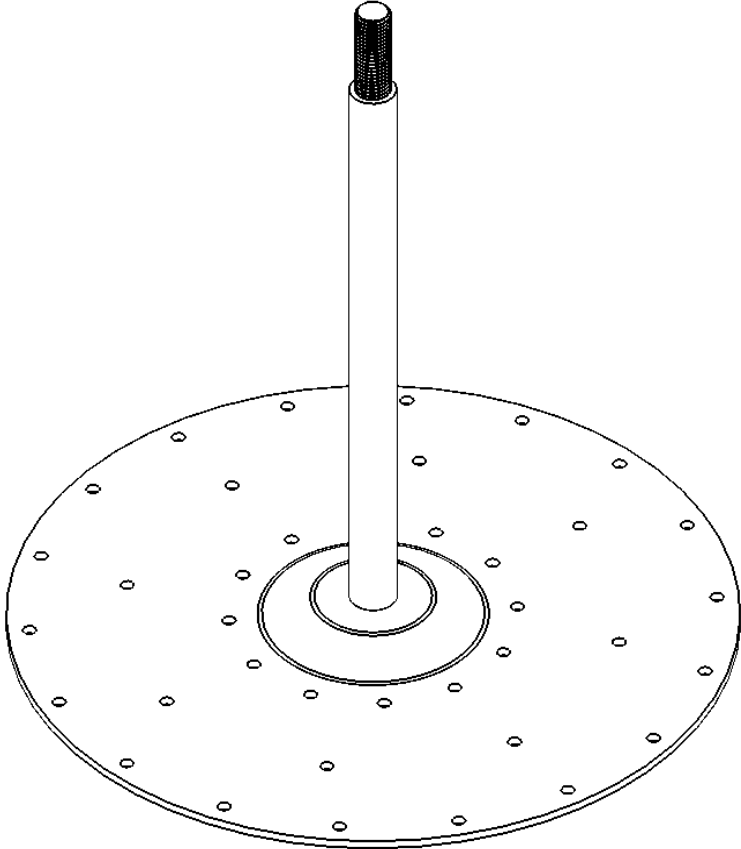
INTERNATIONAL



GREEN ONE

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		Turvallitteiden 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

Table of contents

1. General safety instructions	5
2. Product description: Anchorage device „GREEN ONE“	6
2.1. Applications	6
2.2. Standards / approvals of the anchorage device:	6
3. Technical specifications: Anchorage device „GREEN ONE“	6
4. Construction and assembly	7
4.1. Fastening to the substructure	7
4.2. Mounting on:	7
5. General notes	9
5.1. Personal protective equipment	9
5.2. Using the system	9
5.3. Note the planning fundamentals	9
5.4. Maintenance / Inspections	9
6. Notified delivery point of the anchorage device	9
7. Notes on the existing roof safety system	10
8. Assembly protocol	11
9. Control card	12
10. Notes	13
11. Notes	14
12. Notes	15

1. General safety instructions

- The attachment to the GREEN anchorage device must always be performed using a carabiner to the anchorage eye 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 GREEN anchorage devices were developed for personal safety and may not be used for other purposes. Never attach undefined loads to the restraint 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.
- If you provide the safety system to external contractors, the instructions for assembly and use are to be provided in writing.
- The "GREEN ONE" 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.
- The respective accident prevention regulations (e.g.: work on roofs) must be observed during assembly / use of the GREEN "GREEN ONE" anchorage device.
- 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 anchorage device on the roof is designed for loading in all directions parallel to the mounting surface or perpendicular to the supports.
- If any uncertainties occur during assembly, please contact the manufacturer.
- The 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.
- 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.
- Attention: Snow clearance at the facility required due to snow pressure load.

2. Product description: Anchorage device „GREEN ONE“

The „GREEN ONE“ attachment is a permanently usable fastening element, which is installed permanently in the roof structure. „GREEN ONE“ is used to mount a restraint system or restraint system according to EN 795 A. The „GREEN ONE“ attachment devices are designed according to the principles for testing and certifying stop devices for max. 4 persons are designed and tested according to a horizontal guide according to CEN TS 16415: 2013

2.1.Applications

The “GREEN ONE” anchorage devices reduce the forces routed into the body in the event of a fall. Another feature is the damping effect on the user.

NOTE:

THE ANCHORAGE DEVICE “GREEN ONE” IS SUITABLE AS INTERMEDIATE SUPPORT OR SINGLE ANCHORAGE POINT OR AN APPROVED ROPE SYSTEM ACCORDING TO GREENLINE DESCRIPTION

2.2.Standards / approvals of the anchorage device:

GREEN ONE has been tested and certified according to EN 795:2012-A + CEN/TS 16415:2013 A

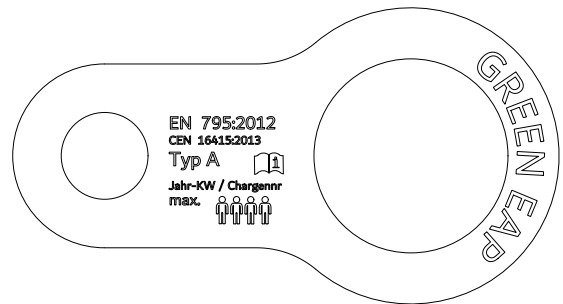
The test was performed statically and dynamically on the original substructure.

GREEN ONE is suitable as a substructure for fastening components of a horizontal safety rope system as intermediate rope holder EN 795:2012 Type C.

GREEN ONE is not suitable for rope-assisted work (EN 795).

Marking of the stop eye (EN 365)

- Manufacturer
- product name
- standard
- Read the operating instructions
- production date
- Max. number of persons



3. Technical specifications: Anchorage device „GREEN ONE“

Height: 300 mm, 400 mm, 500 mm, 600 mm, 700 mm (+45 mm thread M16)

Diameter: ø 16 mm

Base: ø 330 mm

Bores: 38 X 6mm

Material: 1.4301 / 1.4307

4. Construction and assembly

4.1. Fastening to the substructure

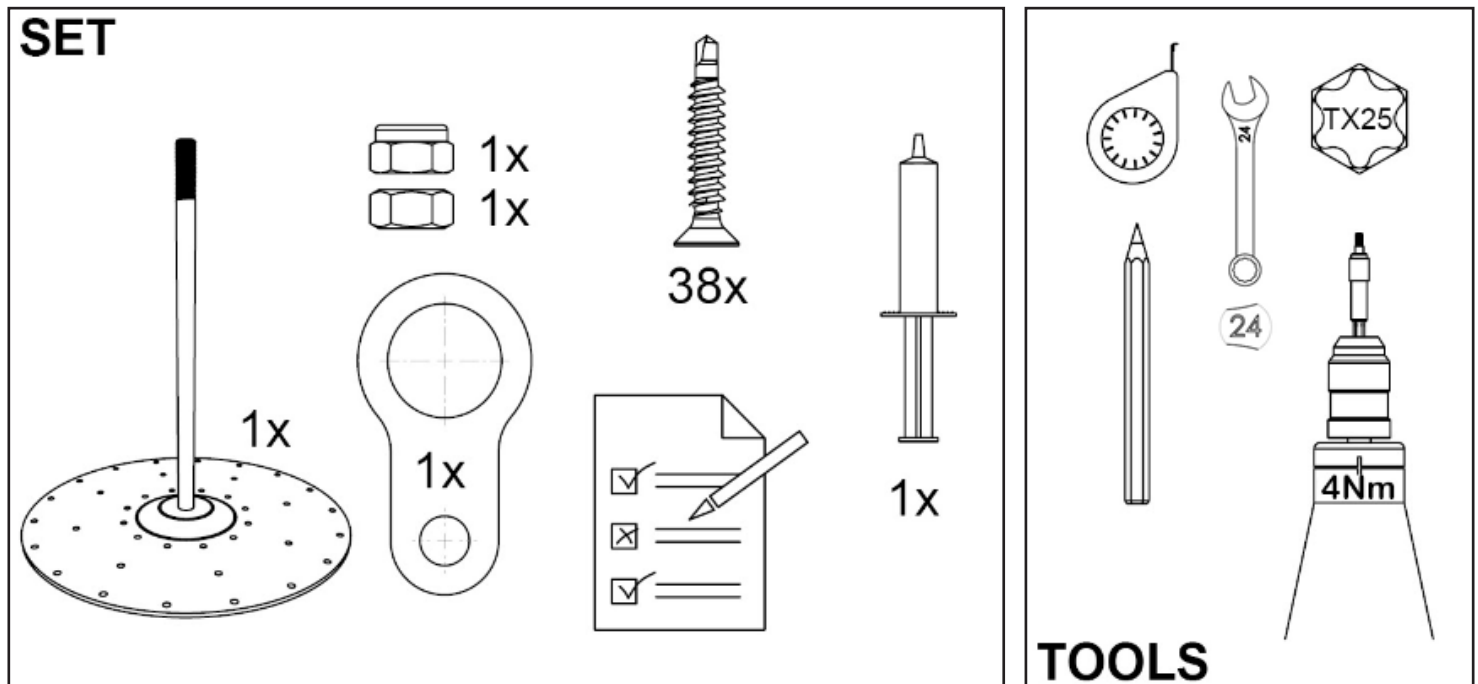
- The substructure must be a part of the static base construction.
- If in doubt, this should be checked by a structural engineer.
- Only fastening material supplied by GREEN International Absturzsicherungs GmbH may be used. Individual items may not be replaced.
- Only the installation and operating instructions of GREEN International Absturzsicherungs GmbH apply.
- Furthermore, the strength and installation data of the fastener material manufacturer also apply.
- The bolts must be tightened with a torque of 4 Nm.
- A fleece must be placed over the fastener (installation instructions Figure 3).

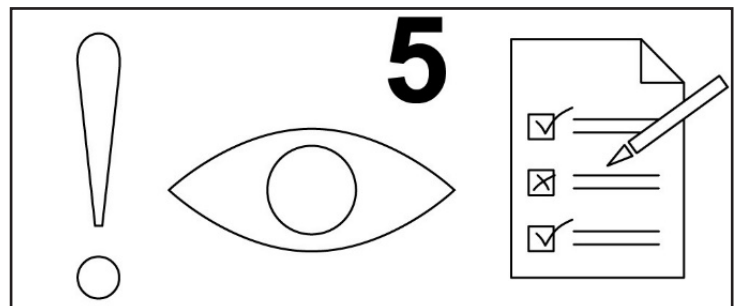
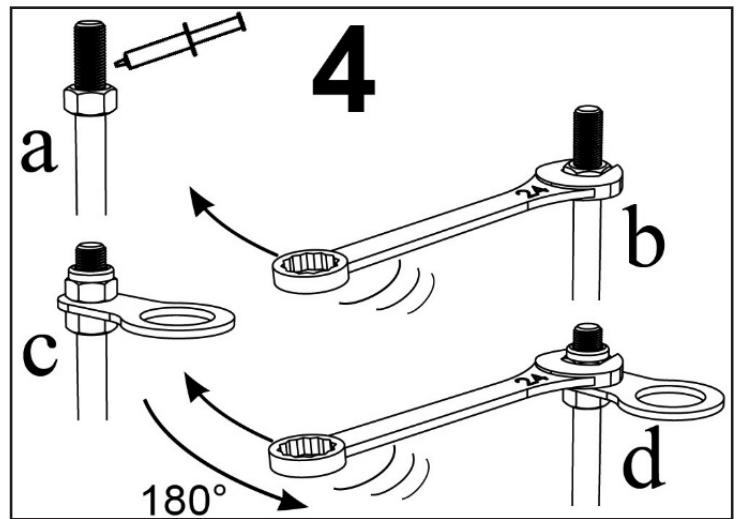
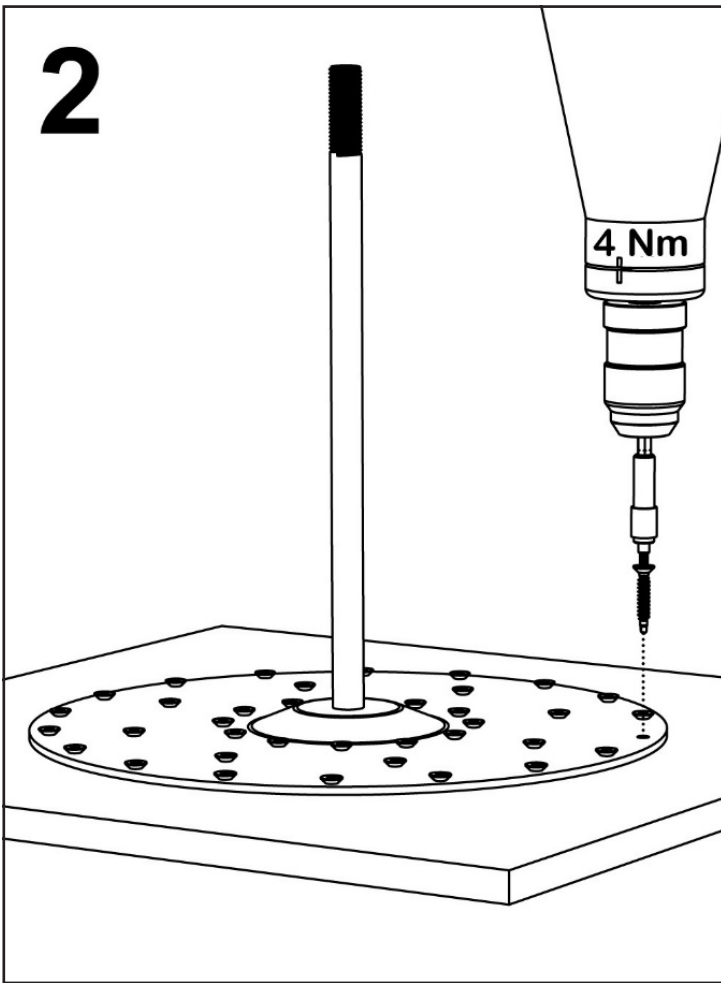
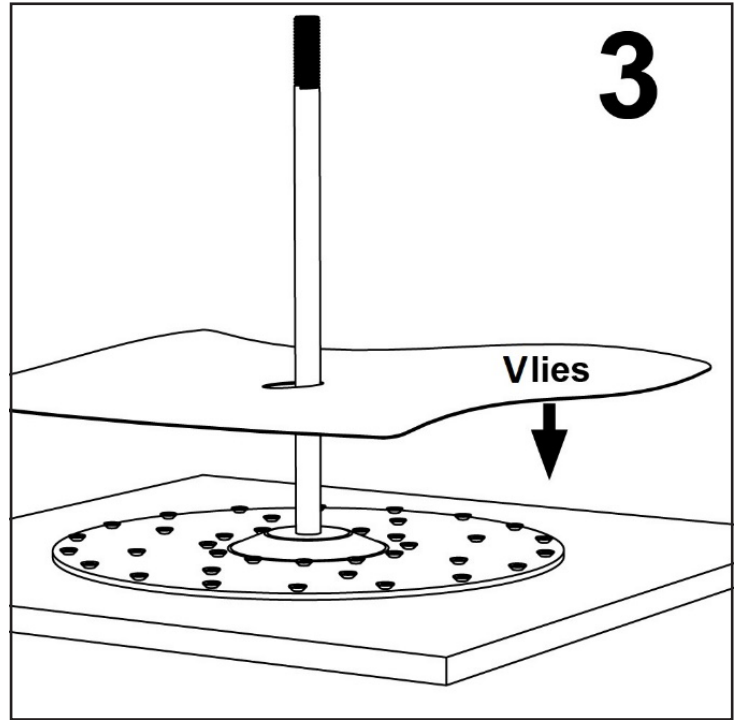
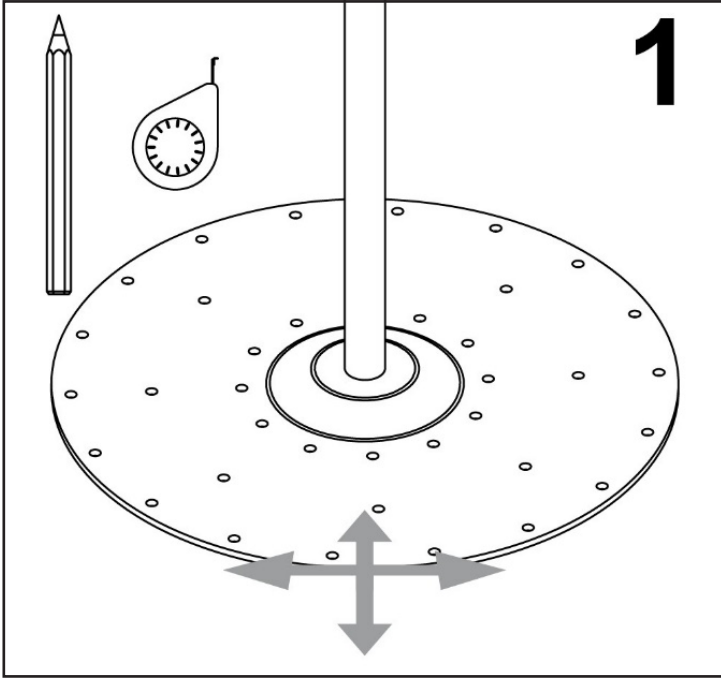
4.2. Mounting on:

- OSB sheet min. 16 mm
- Rough formwork min. 22 mm
- Multilayer boards (plywood) min. 15 mm

Fasteners: <http://www.ejot.com>
Article number: 7382160301

Fastener set: 38 pcs drilling screws JT3 ST 2-6.0x35





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. Notes on the existing roof safety system

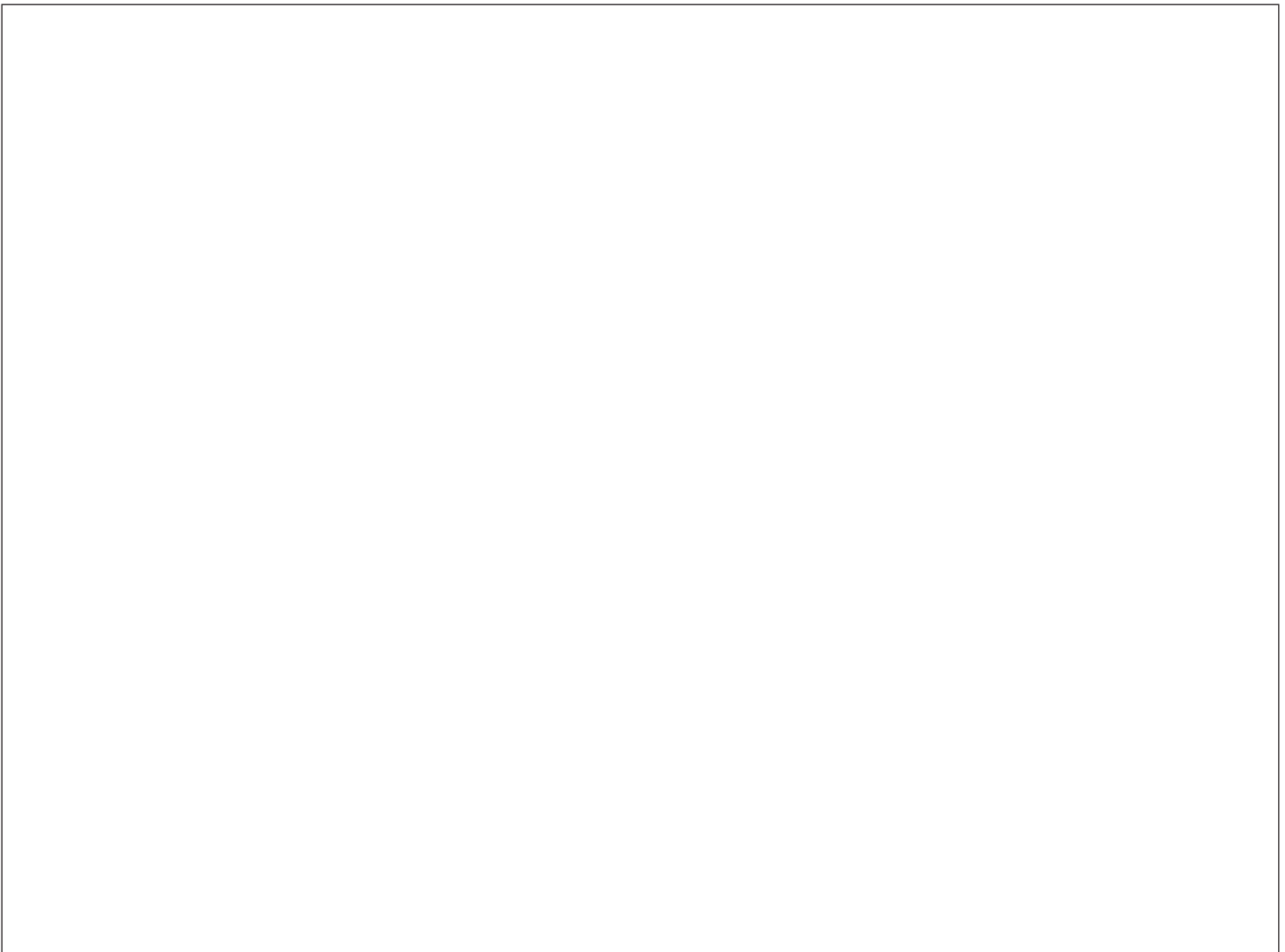
For roof access (system access), this notice by the owner shall be placed and be clearly visible:

NOTES ON THE EXISTING ROOF SAFETY SYSTEM

The use is restricted to adhering to the assembly and use instructions.

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

- Overview diagram showing the position of the anchorage devices:



- Manufacturer and system name: GREEN fastener „GREEN ONE“ _____
- Date of last audit: _____
- Highest number of persons to be protected: 4 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. Assembly protocol

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

Product: _____
Zip code, city

Client: _____ Contractor: _____ Installation firm: _____

Company name / surname, first name _____ Company name / surname, first name _____ Company name / surname, first name _____

Street, house number _____ Street, house number _____ Street, house number _____

Zip code, city _____ Zip code, city _____ Zip code, city _____

Tel. (office, mobile) _____ Tel. (office, mobile) _____ Tel. (office, mobile) _____

Installation protocol					
Date	Location	Anchoring ground <small>(Fully assembled)</small>	Fastening material		Tightening torque

The undersigned installation company assures the correct installation according to manufacturer's data (e.g. checking the substructure etc).

Foto - Dokumentation		
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 _____

9. Control card

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 in plans (e.g. a sketch of the roof-top view)!

10.Notes

11.Notes

12.Notes

WORK SAFETY IN THE GREEN FIELD

Fall safety is mandatory in Austria. For several years, all professionals have been undertaking their work secured to the roof. Meanwhile, this is closely monitored by the Labour Inspectorate. Not only in the case of installation companies but also for building owners. So, everyone must be secured.
Do it GREEN.



GREEN International GmbH
Fabrikplatz 1/10, 4662 Steyrermühl
Tel.: +43 7613 32498-0
Fax: +43 7613 32498-16

office@green-gmbh.at
www.green-international.at

20191210