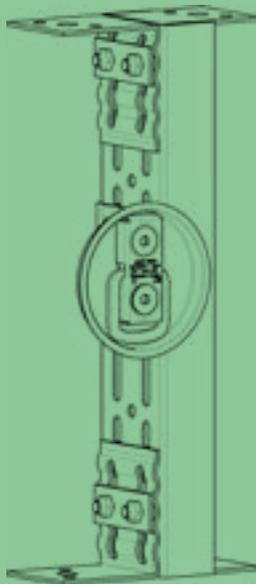




MARK Secure 1 Instruction manual

Anchor point for drywall wall & attachment shell socket installation

Anchor device type A according to EN 795:2012



English translation of the original German
instruction manual
Keep for future reference
Version 1.2

MARK Save A Life GmbH

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- Read through the instruction manual carefully before you use this product for the first time.
- Undergo training on the use of this product.
- Check this product for proper function before and after each use.
- Complete the installation report included with the product carefully.
- Always keep the instruction manual, the installation report and the inspection report together with the other relevant product documents for future reference.

Do you have questions about this product? Do you have any requests or suggestions? Just give us a call or send us an email!

Customer Service:

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Manufacturer:

MARK Save A Life GmbH

Gleinkerau 23

4582 Spital am Pyhrn

Country of origin: Austria

Dear Customer,

Congratulations on purchasing this product from MARK Save A Life GmbH. We have manufactured and tested this product with the utmost care, keeping to the strictest quality guidelines, and therefore created the basis for safe use. Now it is over to you to make sure it is used correctly.

Activities that require use of this product can often be dangerous. There are also many potential ways of using it incorrectly and it is not possible for us to state them all here or even to come up with an exhaustive list. This instruction manual contains information pertaining to the safety and function of this product and its applications. However, this information is no substitute for experience, personal responsibility and knowledge, nor does it release the user from their own individual risk.

You may only use this product if you are physically and mentally capable of doing so, if you have read and understood this instruction manual and the installation report, and if you have undergone training on the use of the product.

The instruction manual, the installation report and the inspection report are available to download at www.savealife.at.

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1. Legal information

1.1 Declaration of compliance

The manufacturer, MARK Save A Life GmbH, Gleinkerau 23, 4582 Spital am Pyhrn, Austria, hereby declares that the product described below, "MARK Secure 1", complies with the requirements formulated in EN 795:2012 anchor point type A, which is also the subject of the inspection report number ZP/B141/17-R1.

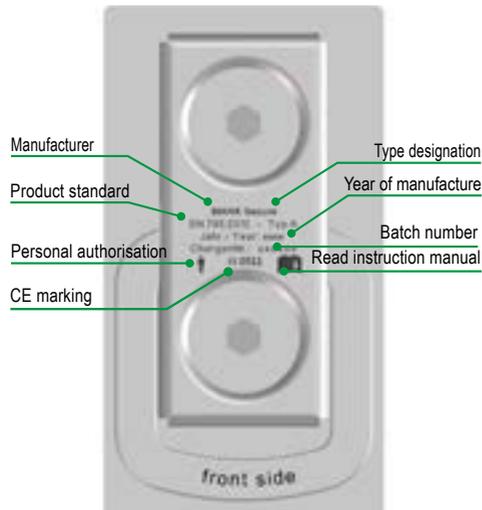
Type approval testing by: DEKRA Exam GmbH, Dinnendahlstraße 9, 44809 Bochum, Germany.

1.2 Labelling

Your product is labelled with a batch number.

Assign your product an inventory number and enter it in the installation report.

Do not remove any labels from your product!



1.3 Exclusion of product liability

We accept no liability for direct, indirect or accidental consequences, nor any type of damage arising from the use of this product or from incorrect information provided by the competent inspector or installation engineer on the installation report or the inspection report.

1.4 Copyright notice

The layout, graphics, pictograms and photographs, as well as all other text and image content found in this instruction manual are protected by copyright.

2. Use

Activities that require use of this product can often be dangerous. Therefore observe the safety notices. Please contact our customer service if you have any doubts or find the information difficult to understand. Ensure that the fall space is calculated so that in the event of a fall you do not hit an obstacle or impact on the floor.

- Protect the product from sharp-edged objects, welding sparks, sources of fire, chemicals, oils, acids, etc.
- Draw up a rescue plan that includes the sequence and the execution of rescue measures.

2.1 Intended use

This product may only be used for the purpose described in this instruction manual (see Point 2.1.1) and only in conjunction with tested and approved components. It must not be combined with other components, as this could put your safety at risk. MARK Secure 1 must be used with Knauf system components or with similar products with the same properties.

You may only use this product if you are physically and mentally capable of doing so, i.e., for example, not if you are under the influence of drugs or alcohol, are suffering from mental strain or have other mental or physical impairments. In any case, the intended use as protection against a fall from height requires full physical and mental aptitude.

2.1.1 Purpose of the product as an anchor device according to EN 795:2012 type A

The product may be used within the intended use conditions on the specified wall and attachment shell systems from Knauf Gesellschaft m.b.H., or similar products with the same properties, for the intended purpose as protection against a fall from height.

Note:

This product is an anchor device, the purpose of which is to protect the user from a fall from height, either by preventing a fall (restraint system) or by arresting a free fall (fall arrest system).

The MARK Secure 1 anchor point is intended for use as an anchor device in conjunction with personal protective equipment (PPE) recommended by MARK Save A Life GmbH (retractable fall arrest blocks, safety overalls and connectors from MARK Save A Life).

Classed as tested accessories: Test standard

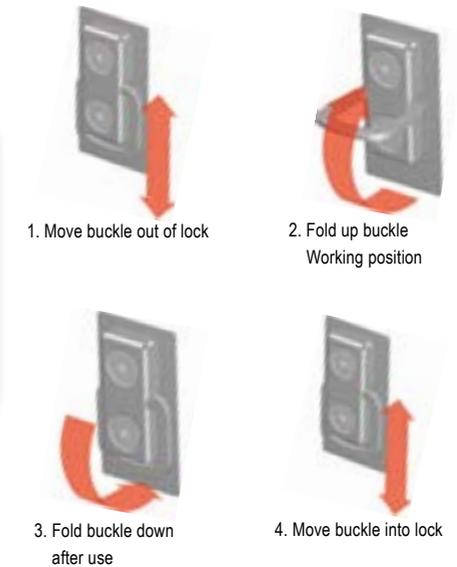
Descender and rescue devices	EN 341
Lifting devices	EN 1496
Retractable fall arrest blocks	EN 360
Guided-type fall arresters on flexible anchor lines	EN 353-2
Energy absorbers	EN 355
Carabiners	EN 362
Safety harnesses	EN 361
Safety nets	EN 1263

If it seems unsafe to continue using this product, (see Point 8.1) you must not use it again under any circumstances.

Before every use of the product, the user must carry out a visual inspection according to Point 7 of this manual to ensure that the product is in serviceable condition.

2.1.2 Use of the anchor point

In order to use the anchor point, the buckle is released from the lock and folded up. The connector of the PPE can be suspended.



In principle, the load from a fall from height may be in any direction protruding from the wall surface or parallel to the wall.

The length of the connector used must be selected so that in each case the possible fall space is free of obstacles. The total position change of the anchor point to be expected in the event of a fall from height (consisting of the deformation of the metal stud partition or attachment shell and the anchor point itself) is a maximum of 15 cm in the event of a vertical load direction parallel to the wall surface.

If there is a fall-related load when a person falls vertically to the wall surface (e.g. in the event of an unintentional redirection of the load), it must be anticipated that there will be a total position change of the anchor point (consisting of the deformation of the metal stud partition or attachment shell and the anchor point itself) of a maximum of 15% of the respective wall height.

intended use.

When using the product, the user must be kitted out with equipment that limits the maximum dynamic forces that impact on their body during a fall arrest process to a maximum of 6 kN.

2.2 Service life and duration of use

This product has an unlimited service life. In practice, however, its duration of use depends on several factors.

- Extreme operating conditions, environmental factors, contamination, damage, storage and transport can all reduce the service life of this product.
- The product features a fall indicator, which clearly shows whether the anchor device has been subjected to the stress of a fall and must therefore be disposed of as per Point 8.
- The visual and functional inspection described in Point 7 shows every user whether the anchor device has been deformed by a previous fall and therefore can no longer be used.

If the anchor point buckle will no longer engage easily in its home position or move easily from its home position to its working position, then the anchor device has been deformed by a previous fall and must no longer be used.

2.3 Qualification of persons

This product may only be used by people who have read and understood this instruction manual, or by people who are being supervised by a trained, skilled person.

2.4. Training

We would be happy to provide you with information about training. If you are interested, please contact us:

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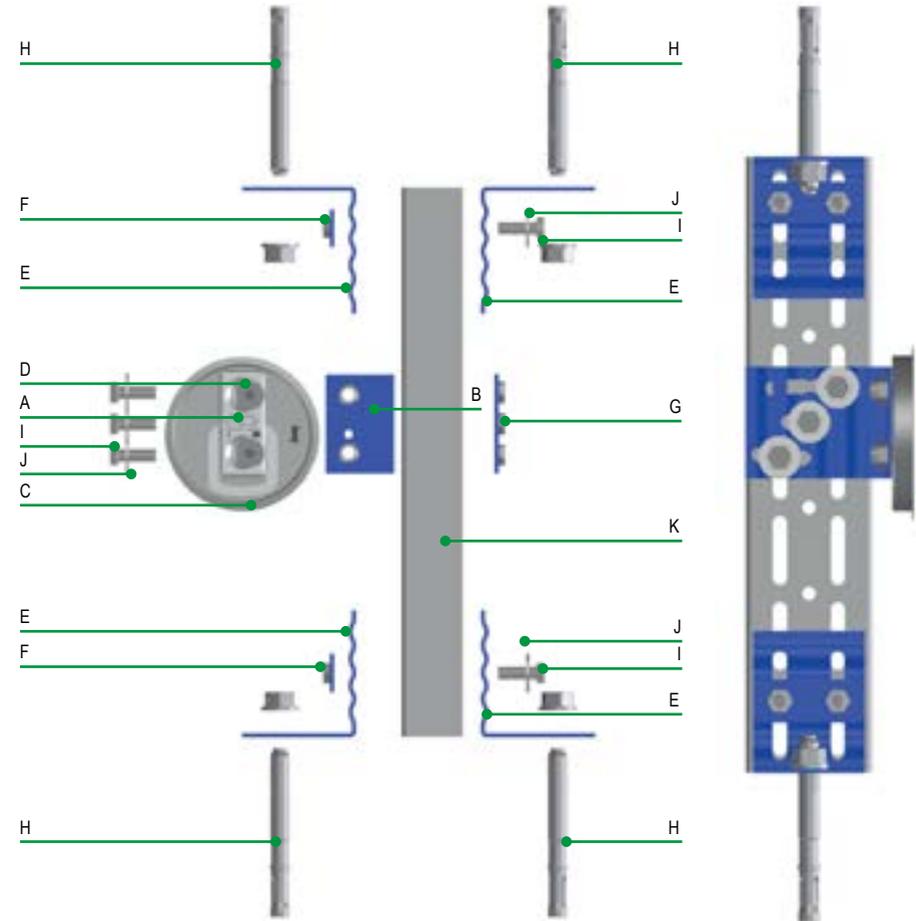
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3. Overview, scope of delivery and technical details

3.1 Overview



3.2 Scope of delivery:

A	1 x MARK Secure anchor point	H	4 x Fischer bolt anchor FAZ M12 incl. washers and nuts
B	1 x absorber (incl. centring hole)	I	7 x screws M8 x 25 8.8 galvanised
C	1 x socket	J	7 x washers 8.4 x 25 galvanised
D	2 x stainless-steel screws countersunk head M10 x 20	K	Knauf UA profile 75 x 40 x 2 mm or similar product with the same properties (not included in the scope of delivery)
E	4 x deformation brackets		
F	2 x counterplates (2-hole)		
G	1 x counterplate (3-hole)		

3.3 Technical details

Installation base, components, tools, operating conditions	
Approved for Knauf systems or similar products with the same properties	W112.at, W113.at, W115.at, W116.at, W626.at, Knauf AQUAPANEL®: W382.at, W385.at, W386.at, W686.at
Test standard, permissible number of people	EN 795:2012, 1 person.
Fasteners	2 x stainl.-steel screws, counters. head M10x20 4 x deformation brackets 4 x Fischer FAZ II 12/10 7 x screws M8 x 25 8.8 galvanised 7 x washers 8.4 x 25 galvanised 2 x counterplates 2-hole 1 x counterplate 3-hole
Drill	Masonry drill bit 12 mm
Screw-in depth	100 mm
Hole cutter	95 mm with centring drill 6 mm
Torque wrench	13 mm nut and 19 mm nut, Allen socket 6 mm
Tightening torques	M8: 27 Nm, M10: 20 Nm, M12: 60 Nm
Quality of the installation base (static load-bearing capacity of the structure must be guaranteed)	≥ C 20/25
Addition	Installation only on load-bearing components: Ceiling and unfinished floor
Distance from edge	≥ 55 mm
Thickness of non-load-bearing cladding (plasterboard, insulation)	2-3 layer cladding 12,5mm
Permissible load directions	Horizontal, vertical
Wall height	1,0 - 5,0 m
Maximum expected deformation due to a fall from a height	≤ 150 mm in the event of vertical load ≤ 800 mm in the event of horizontal load in the middle of the wall (wall height = 5 m)

4. MARK Secure 1 installation instructions

Drywall wall & attachment shell socket installation

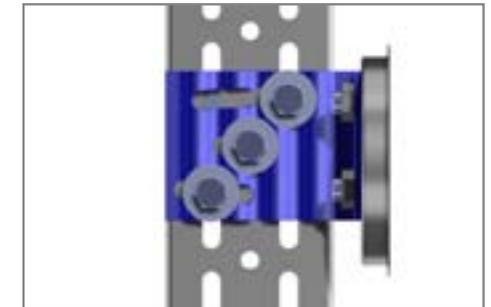
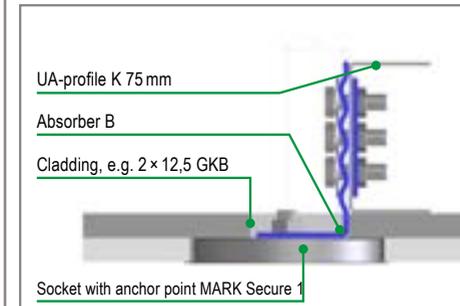
Anchor device type A according to EN 795:2012 for installation on metal stud partitions and attachment shells of types Knauf W112.at, W113.at, W115.at, W116.at and W626.at or similar products with the same properties. Use on AQUAPANEL® wall systems is also possible. Suitable for vertical and horizontal load due to a fall from height.

Maximum expected total deformation of the installation base and the anchor point due to a fall from a height: 15 cm vertical, 80 cm horizontal (in the event of a wall height of 5 m). Adjust the length of the connector based on conditions on site!

Installation:

This product may only be installed as per this instruction manual. MARK Save A Life GmbH recommends it is installed by a specialist company..

Fig. Horizontal section

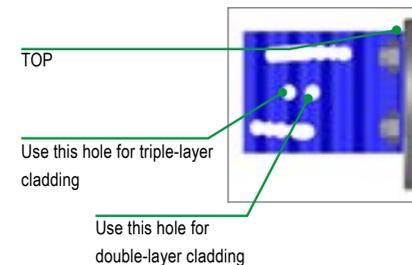


1. The UA profile **K** is always placed so that its back points towards the left (see diagram). Transfer the position of the anchor point **A** from the plan into real-life. The back of the UA profile **K** is positioned 30 mm to the right of the position of the anchor point according to the plan.

2. The absorber **B** and the counterplate (3-hole) **G** must be secured to a central (circular) hole and two slots in the UA profile **K** (3 x I & 3 x J).

The height for installing the absorber can be adjusted in 5 cm increments (spacing of the round holes).

The top of the absorber **B** is marked with the imprint **TOP**, meaning that when it is installed correctly the centre of the absorber **B** is in the wall surface 30 mm to the left of the UA profile **K**.

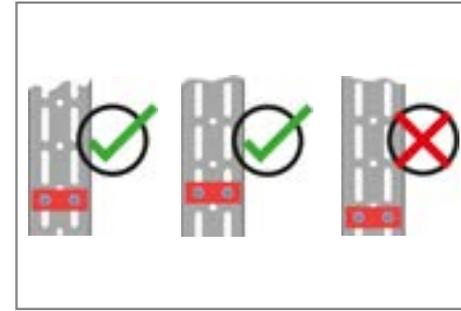




3. Push the UA profile **K** into the UW connection profile on the ceiling and unfinished floor and align to be precisely perpendicular with the back of the profile 30 mm to the right of the position of the anchor point **A** according to the plan.



4. Position the four deformation brackets **E**, each with the undulating side pointing towards the UA profile **K** at its upper and lower end, align the UA profile **K** and mark the anchor holes on the unfinished ceiling and floor (see Overview 3.1).



8. Align the deformation bracket **E** to the slots of the UA profile **K**, in which case the position of the M8 screws **I** and the counterplates **F** must always be selected so that it is as far as possible towards the end of the undulating side of the relevant deformation bracket **E**. The M8 screws **I** must not be inserted at the open end of the slots of the UA profile **K**. If open slots at the end of the UA profile **K** are unavoidable, then the next slot pair with closed ends must be used.



9. Insert 2 screws **I** each at the top and bottom on the UA profile **K** and secure the deformation brackets **E** using the counterplates **F** with the maximum permitted torque (27 Nm).



5. Drill two anchor holes each in the unfinished ceiling and floor to a depth of 110 mm.



6. Clean the drilled holes and position the anchor **H** (FAZ M12).



7. Insert the deformation brackets **E** (see Overview 3.1) and loosely tighten M12 nuts of the concrete anchors **H**. This means that the deformation brackets **E** can still easily be aligned to the UA profile **K**.



10. Tighten the M12 nuts on the anchors **H** at the top and bottom (torque 60 Nm).



11. Prepare the first plate position, calibrate and mark the position of the absorber **B**.



12. The opening for the absorber **B** is cut out in the first plate position using a keyhole saw in a rectangle of approx. 70 x 45 mm, meaning that the first plate position is solidly on the substructure and can be secured. The absorber **B** sits flush with the reverse of the relevant ceiling cladding.
- Install the first ceiling cladding layer and level out. In the event of triple-layer cladding, also cut out and install the second cladding layer as described above.



13. Adjust the relevant ceiling cladding, calibrate the centre of the absorber **B** (central 6 mm hole) to the correct position and mark as precisely as possible on the prepared plate. Cut out a roughly coin-sized opening at the marked position. Secure the ceiling cladding to the substructure.



14. Align the hole cutter with 6 mm guide drill with the central hole of the absorber **B** and cut out the hole from the ceiling cladding. When doing so, do not cut into the cladding layer(s) underneath. Remove the round cut-out and level out the wall/attachment shell.



15. Completion:
After levelling out the wall/attachment shell, insert socket **C** into the socket hole and secure anchor point **A** using the two countersunk screws **D**. The anchor point **A** is moved so that its markings are upright and the "front side" is visible on the buckle. Torque max. 20 Nm.

16. Complete the installation report and inspection report (enclosed).
Observe periodic inspections.
Observe instructions for use for MARK Secure 1 on the following pages!

5. Transport and Storage

Store and transport this product in dry conditions and protected e.g. against mechanical and chemical influences.

6. Maintenance and Cleaning

If it is stored and installed correctly and not subjected to a load, this product has an unlimited service life. The service life may decrease depending on the type of use and external influences. The product must be cleaned using water. Acidic cleaning agents must be avoided. After a fall, the anchor device must be taken out of use (see Point 8).

6.1 Repairs

Repairs (e.g. if screws are not seated securely in the installation base) may only be performed by specialist companies. Only MARK Save A Life GmbH may modify or add to the product described in this instruction manual.

6.2 Spare parts

If you need spare parts, please contact.

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7. Testing

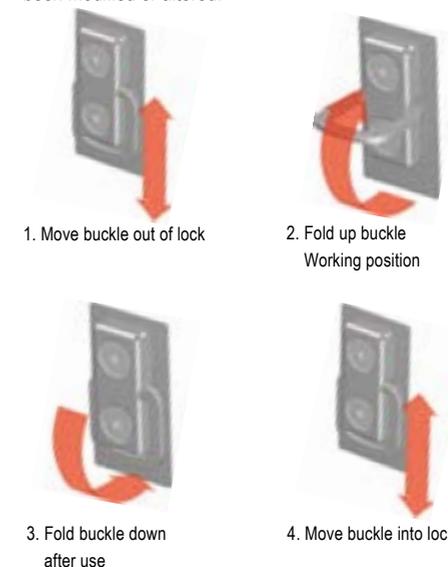
7.1 Installation report and inspection report

The installation report and the inspection report are included in the product packaging and, if necessary, are available to download at www.savealife.a

- Complete the installation report and inspection report carefully.
- Observe the manufacturer's information according to the instruction manual.

7.2 Visual and functional inspection

The visual and functional inspection is only valid subject to the reservation that components of the product have not been modified or altered.



- An inspection must be carried out at least once a year by a competent person
- **The visual and functional inspection requires no involvement from external testing authorities. Test loads do not need to be attached.**
- Check that the product labels are legible.
- If the inspection indicates that it may be unsafe to continue using the product, you must not use it again under any circumstances; instead, ensure it can no longer be used (see Point 8) and replace it.
- The result of this inspection must be entered in the inspection report.

Installation report for MARK Secure 1

Drywall wall & attachment shell socket installation

The completed installation report for the anchor points listed below confirms that installation has been carried out properly in line with the instruction manual for the product.

Construction project: _____

Component: _____

Storey/section: _____

Room no.: _____

Installer: _____

No. of anchor points according to plan: _____

Installation situation (sketch/photo):

Installation report for MARK Secure 1

Drywall wall & attachment shell socket installation

The completed installation report for the anchor points listed below confirms that installation has been carried out properly in line with the instruction manual for the product.

Construction project: _____

Component: _____

Storey/section: _____

Room no.: _____

Installer: _____

No. of anchor points according to plan: _____

Installation situation (sketch/photo):

Installation	<input checked="" type="checkbox"/>
MARK Secure 1 construction kit supplied in full	<input type="checkbox"/>
Instruction manual read and understood	<input type="checkbox"/>
Unfinished floor concrete \geq C 20/25	<input type="checkbox"/>
Unfinished ceiling concrete \geq C 20/25	<input type="checkbox"/>
Distance of the drilled holes from the edge \leq 55 mm	<input type="checkbox"/>
Screw-in depth of the anchor \geq 100 mm	<input type="checkbox"/>
Drilled holes = 12 mm	<input type="checkbox"/>
All parts of the construction kit used in full	<input type="checkbox"/>
All screws tightened to nominal torque	<input type="checkbox"/>
Installation carried out according to instruction manual	<input type="checkbox"/>
Safety for use confirmed	<input type="checkbox"/>

Installation date: _____

Client/project manager _____ Contractor/project manager _____

Name, company signature _____ Name, company signature _____



INSPECTION REPORT/visual inspections

Anchor point type A according to EN795:2012 MARK Secure 1 - No.:

Initial inspection, periodic inspections

This product must be inspected at least once a year by a competent person, but depending on the operating environment and intensity it may need to be inspected more frequently. This inspection is only valid if this product was installed according to the installation manual provided by the manufacturer, and if components of the product have not been modified or altered or subjected to temperatures $< -40^\circ\text{C}$ or $> 80^\circ\text{C}$. Complete the inspection report carefully! Keep the inspection report with the documents for future reference as per the Austrian Construction Work Coordination Act (BauKG).

	Initial inspection	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Installation												
1 Installation report completed (see reverse)	<input type="checkbox"/>											
2 Photo documentation available	<input type="checkbox"/>											
Annual												
3 Anchor point available	<input type="checkbox"/>											
4 Instruction manual available	<input type="checkbox"/>											
5 Installation base solid and stable	<input type="checkbox"/>											
6 No corrosion can be identified on the anchor point	<input type="checkbox"/>											
7 No cracks can be seen on the anchor point	<input type="checkbox"/>											
8 No deformation of the anchor point can be identified	<input type="checkbox"/>											
9 Buckle can be opened by tapping it	<input type="checkbox"/>											
10 Buckle engages in the lock with little force	<input type="checkbox"/>											
11 All visible screws tightened to nominal torque	<input type="checkbox"/>											
Result of the visual inspection (If points 3-11, or for the initial inspection 1-11, are crossed off, then 12 can be crossed off here, otherwise 13)												
12 Anchor point is in perfect condition and can be used	<input type="checkbox"/>											
The anchor point is damaged or no longer working properly, has been rendered inoperative (by snapping off and removing the buckle)	<input type="checkbox"/>											
The anchor point needs to be replaced.												
Comments:												
Inspection date: Month/year												
Next regular inspection date: Month/year												
Signature of expert inspector												

Making your life safer.

Subject to technical modifications.
The latest version shall always
apply.

We only guarantee that our
materials are in perfect working
order.

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