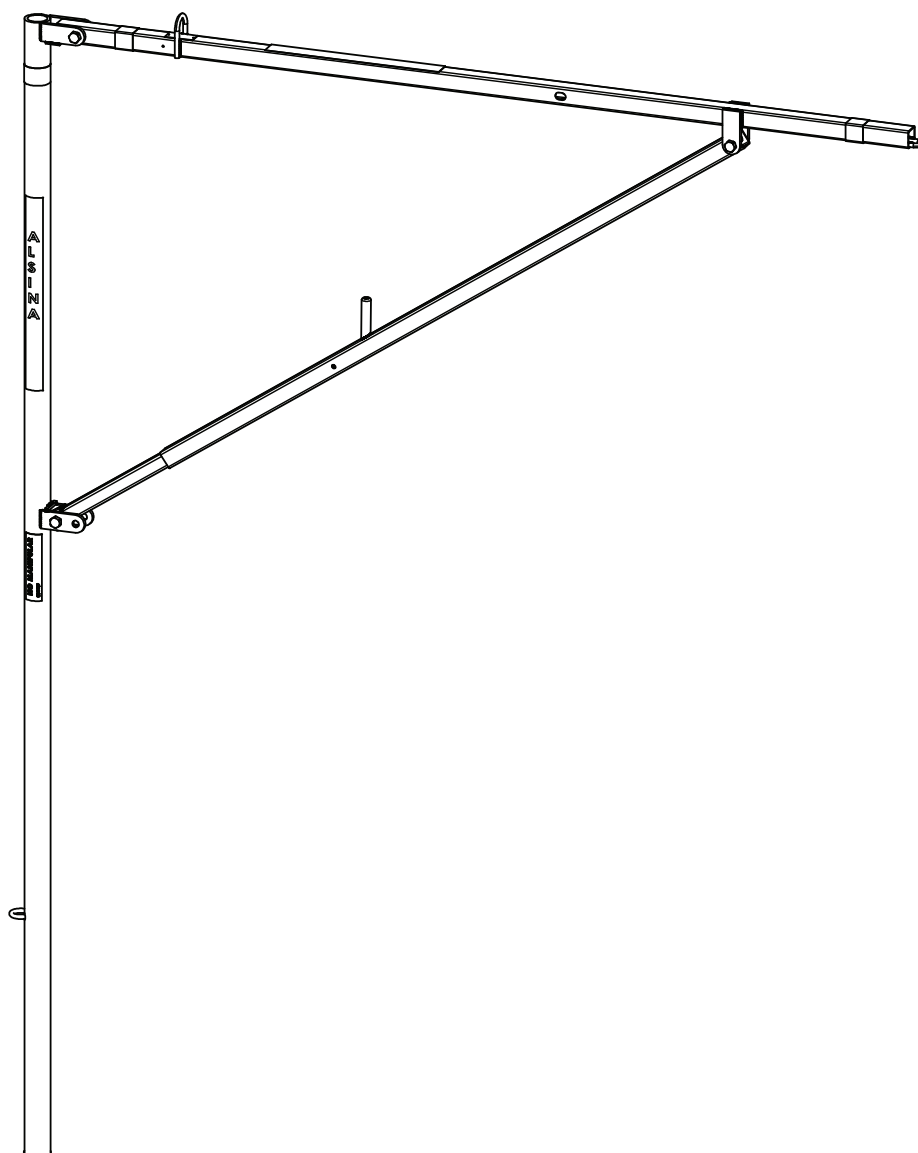


Alsina

ALSIPERCHA SYSTEM

Anchor-Device according to EN 795:2012 Type B

Assembly, Use and Safety Instruction Manual



Introduction

Alsina's instructions for installation, use and safety are intended as a guide to the procedures required for safe and correct assembly, disassembly and use of formwork systems under normal conditions, in line with the standards commonly accepted on work sites. Any specific work circumstance falling outside these standards may require them to be adapted. When in doubt, do not hesitate to contact one of our technical departments, anywhere in the world.

The instructions in this document are intended to explain to users and technicians how the system works; they should ensure correct preparation and use of the equipment on site. Consequently, there will be references to general standards that any professional user should be familiar with. Thus, it is best not to reproduce them in this manual, since any modifications to these standards would lead to discrepancies between the standards and the manual and could cause confusion. Users should always refer to the latest version of the standards in force.

Therefore, the references in this manual in no way annul, replace or prevail over:

- 1- Standards and regulations on prevention of risks in the workplace specific to a country or region.
- 2- The instructions in the specific Health and Safety Plan for the works.
- 3- Safety instructions in the evaluations and plans applying to specific work functions in a company.
- 4- Technical orders and instructions specific to particular stages of the works, issued by the technical directors, the health and safety officer, the foremen and/or Prevention Resources.

Throughout the project, users shall respect, at all times, the specific laws, standards and regulations of the country or region related to prevention of risks in the workplace and any other legislation applicable to each case and, if necessary, supplement the instructions and adapt to other Work Safety Measures.

It is the customer's responsibility to prepare, document, implement and review the risk evaluation for the construction work. This documentation provides the basis for the evaluation of specific risks in the works, and Alsina's Instruction Manuals may in no case be regarded as a substitute.

Sets of vertical formwork equipment, as systems, are made up by joining different components. As far as possible, drawings and diagrams have been included as an aid to understanding these instructions. All personnel working with these products should be familiar with the contents of this document and the safety instructions therein.

The illustrations in this manual refer, in part, to different phases of the assembly process. Customers should ensure that they have a copy of the assembly and operating instructions, supplied by Alsina, and that these are known to and available to users on site.

Apart from the assembly and operating instructions, each chapter includes a series of safety recommendations. It is important that these are observed. However, these recommendations are neither exhaustive nor definitive, and should they not coincide with the indications in the Health and Safety Plan or its equivalent according to local legislation, the latter shall prevail.

If there are persons who cannot read the documentation or have difficulty doing so, they must follow the customer's instructions and indications.

Should you have any questions regarding the contents of this manual or any suggestions as to how it can be improved, please address your comments to your Alsina Marketing Technician or through our website: www.alsina.com



Info In order to obtain the best performance from its formwork systems, Alsina continuously updates the assembly and operation instructions for its products. For further information, contact the Alsina Marketing Technician in your area. The locations of the Alsina Group's Sales Network are available at www.alsina.com, or you can e-mail us at alsinainfo@alsina.com

Symbols used in this document:

**Information**

Information on a section of the assembly and use instructions, or additional information on the system that users and works technicians should take into account.

**Warning/Precaution/Danger**

Essential information that the reader must be aware of; disregarding this information may lead to material damages or serious personal injuries.

**Advice**

Indicates recommendations and advice for use, assembly, and safety.

ISO 9001:2015 Certification

The Alsina Group is ISO 9001:2015 certified.

The Alsina Group has been granted the ISO 9001:2015 certification for their sales and rental service of concrete formwork equipment.

The certificate was granted by BVQI, an institution of renowned prestige and worldwide experience, under UKAS accreditation. The scope of this certification confirms the maturity and efficiency of our Quality Management System for the design, manufacture, marketing (sales and rental) and maintenance of concrete formwork equipment, provision of scaffolding erection services and implementation of collective protection systems, while ratifying the company's commitment to continuous improvement.

Alsina is possibly the only company in the formwork business with the ISO 9001:2015 certification for: "Design, fabrication, engineering services, and commercialization (sale and leasing) of concrete formwork equipment. Provision of assembly services for scaffolding and formwork equipment. On-site implementation of collective protection elements".



Alsina

Alsipercha (Alsina Fall Arrest System)

Safety system designed to prevent falls from a height during the formwork boarding process.

Alsipercha

A safety system, especially useful for PERIMETERS, or during all work associated with decking for horizontal formwork operations. The system ensures completely safe conditions while installing: boards, safety handrails, gallows-type safety nets, formwork risers and all activities involved in formwork assembly where there is risk of falling from a height.

Easy to assemble and use, does not require outside installers.

Features of the system

- Allows the worker to work safely covering an area of 125 m² and moving within a radius of 6.5 m around the column.
- Inverted "L" shaped steel structure measuring 2.5 m long and 4.3 m high (3.5 m when attached to the column).
- Metal structure weighing 80 Kg, made of high quality steel (elastic limit 42 - 46 Kg/mm²; breaking strength 61 - 76 Kg/mm²).
- Retractable fall arrest block measuring 4m (SRL+lanyard) maximum length, or optional with SRL 6.0 m or 6.5 m maximum length.
- Alsipercha housing steel tube measuring 85 cm long.
- To be moved by crane.
- With a wide range of accessories for use in any building site situation, ensuring safety at all times.
- A system designed for column heights up to 8.5 m (this requires use of the hook accessory).
- A built-in energy-absorber device reduces the impact forces transmitted to the structure and to the user.



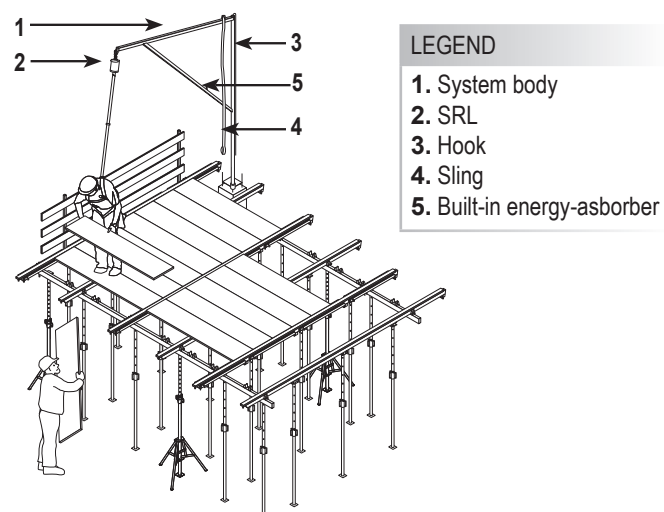
Info. The illustrations in this assembly and safety manual are guidelines and, at any event, they may not reflect all the possible assembly formats.

Limitations of the system

- The structure on which the system is mounted must be capable of bearing the weights indicated.
- The maximum working radius when the worker is anchored to the system with the safety harness is 6.5 m. Do not attempt to extend this working radius with ropes or other such methods.

The Alsipercha system is a safety system for preventing falls at height, designed with different configurations.

System components



Alsipercha is CE certified in accordance with the DIN EN 795 type B (Notified Body 0158, DEKRA EXAM)

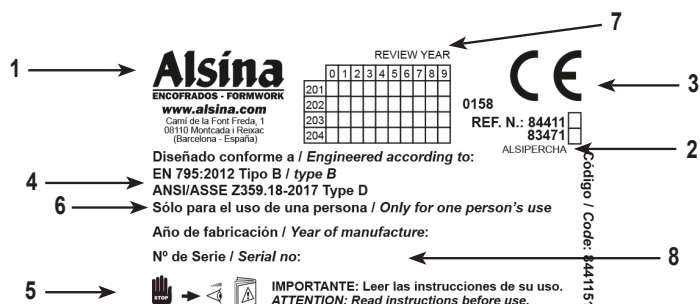


Info. The system and its components must be used by competent, qualified personnel.



Info. The system and its accessories must be inspected by competent, qualified personnel:

- Before first use and subsequent use.
- After the system is activated by a fall.
- At regular intervals (at least once a year). The inspection records may be called for. Certain individual components may require inspection at shorter intervals.
- Never use the equipment if wear, rust or unauthorized repair attempts are detected in any part of the system.
- Do not use the system for any use other than that which it was designed for.
- Use approved harnesses only.
- Do not use or fasten any components or accessories that have not been supplied by the manufacturer.
- The user must assess the risk involved before using the system



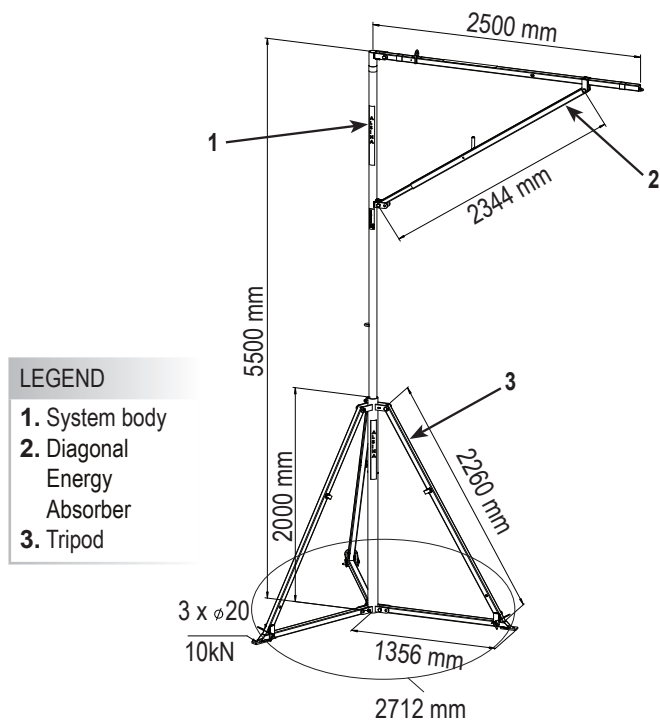
LEGEND

- | | |
|----------------------------------------------------------------|------------------------------------------------|
| 1. Manufacturer | 5. Pictogram: read user instruction before use |
| 2. Name of the product | 6. Number of users allowed |
| 3. Identification number of the notified body; DEKRA EXAM GmbH | 7. Production year |
| 4. Compliance standard | 8. Serial number |

Alsipercha Tripod

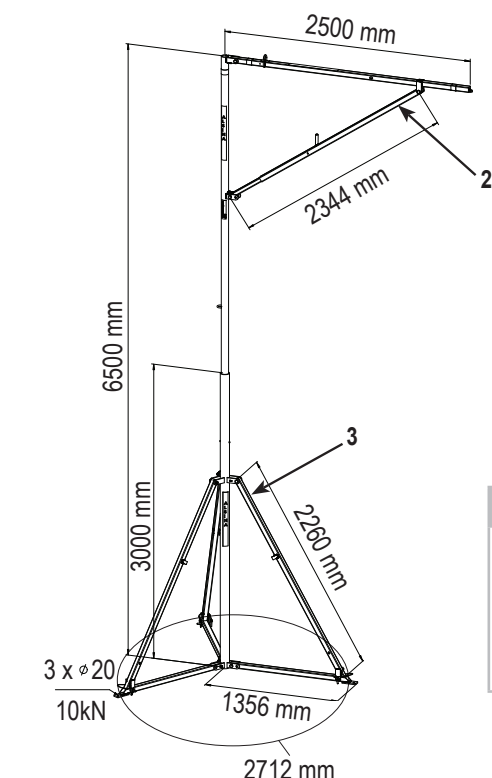
Alsipercha Tripod assembly procedure

The ALSIPERCHA TRIPOD, together with Alsipercha, is a solution that allows workers to safely load/unload trucks from a trailer. Designed and certified according to the EN 795 anchor devices standard. The ALSIPERCHA TRIPOD is folded up when it is delivered onsite. Once it has been placed in its work position, it is assembled according to the following steps:



LEGEND

1. System body
2. Diagonal Energy Absorber
3. Tripod



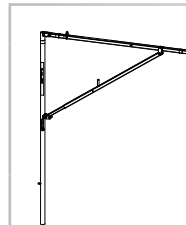
LEGEND

1. System body
2. Diagonal Energy Absorber
3. Tripod

Component Description



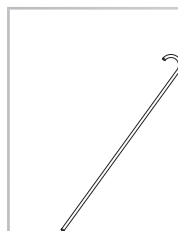
Info. In all codes the second digit can be either 3, 4, or 7.



ALSIPERCHA BODY

Description: Inverted "L" shaped unit, to combine with the tripod.

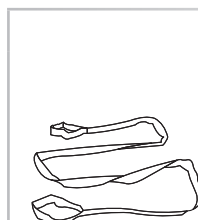
code	dimensions (mm)	weight (kg)
84411	2,500 x 4,300	80



HOOK

Description: Component used to bring the Alsipercha fall arrest system closer to the worker when changing the anchorage.

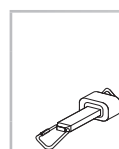
code	dimensions (mm)	weight (kg)
83418	140 x 2,850	2



SLING

Description: An essential component used to move the assembly with a crane, or remove it once the work is complete.

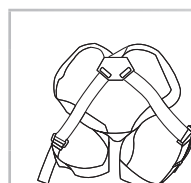
code	dimensions (mm)	weight (kg)
84414	3,000	0.62



RETRACTABLE DEVICE 10M

Description: Retractable component that locks on a sudden acceleration.

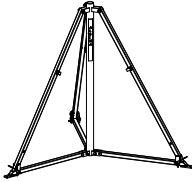
code	dimensions (mm)	weight (kg)
8441205	10,000	7




HARNESS

Description: Device anchoring the worker to the Alsipercha fall arrest system.

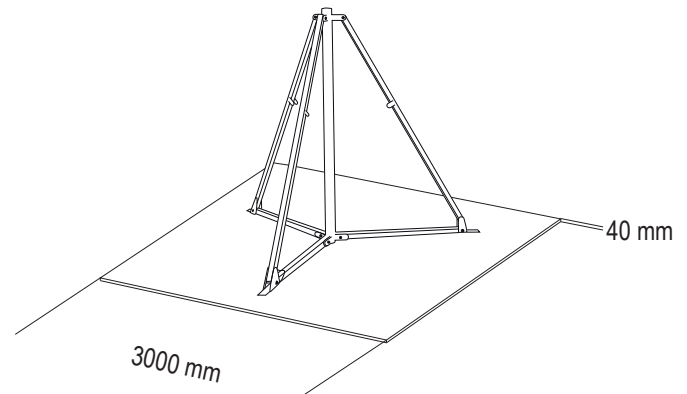
code	dimensions (mm)	weight (kg)
84415	500 x 150	1

	TRIPOD		
	Description: Element that supports and stabilizes the Alsipercha.		
	code	dimensions (mm)	weight (kg)
	84475	2,000	90
	84478	3,000	98

	FH FISCHER ANCHORS Ø18 M12X138.		
	Description:		
	code	dimensions (mm)	weight (kg)
	83479	18 x 80 x 25 S	0.01

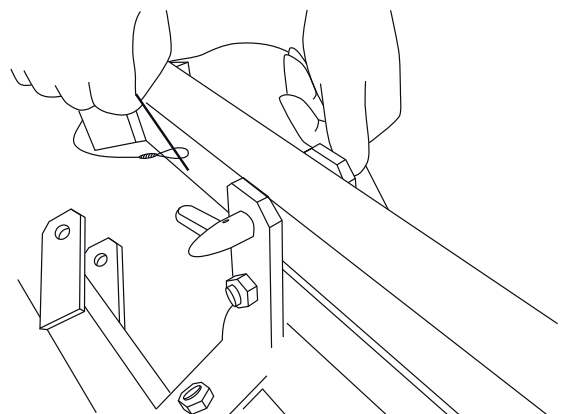
Option of anchoring to steel plate

- Minimum characteristics of a steel platform to anchor the tripod must be: measurements of 300 x 300 cm and 4 cm thickness, with three M18 previously-bored threaded holes through which the anchors will pass (in this case it will be an 8.8 quality M18x50 DIN933 galvanised screw with an M18 DIN 125-A washer).



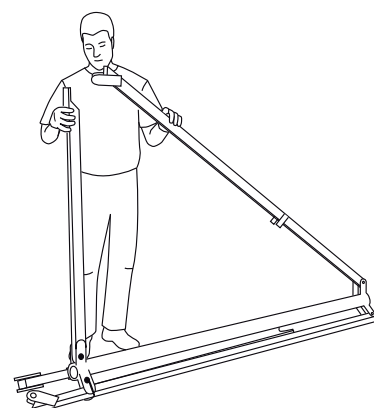
Step 1

To open the tripod leg, release the connecting PINS.



Step 2

Once the pin has been released, the first foot will open.



Alsipercha tripod mounting procedure

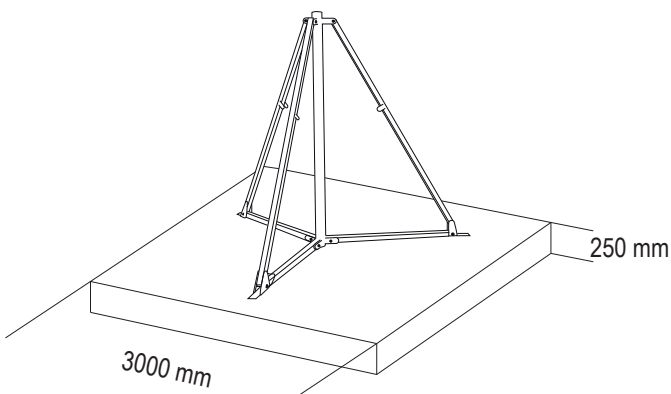


Info. It is very important to mount the ALSIPERCHA TRIPOD on sufficiently compact and resistant terrain so that the anchor device provides sufficient safety guarantees. There are various terrain / slab / footing options:

Option of anchoring to concrete/slab footing

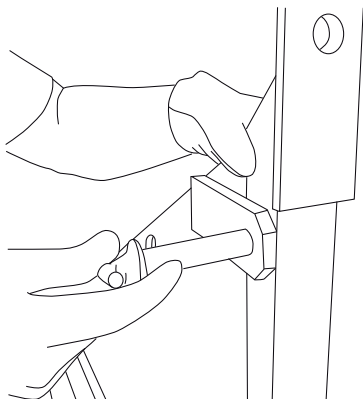
- Minimum characteristics of a concrete platform to anchor the tripod must be: HA25 concrete or higher (minimum resistance of concrete for use = 10 MPa, if fresh concrete is used), measurements of 300 x 300 cm and thickness of 25 cm, as well as a scrap metal covering.

In this case, the anchor will consist of placing 3 "M12 FISCHER FH 18X80/25 S HIGH RESISTANCE ANCHORS" (or equivalent).



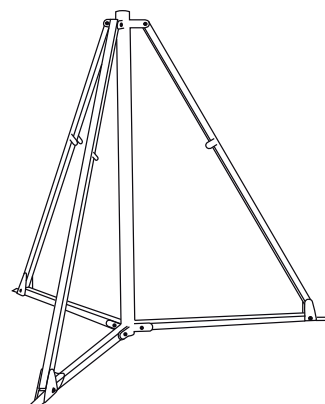
Step 3

Secure it in the open position by placing the pin in the R position.



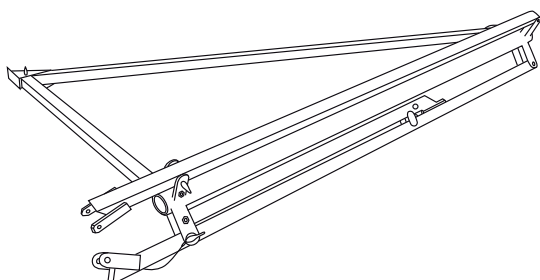
Step 6

ALSINA TRIPOD in the working position.



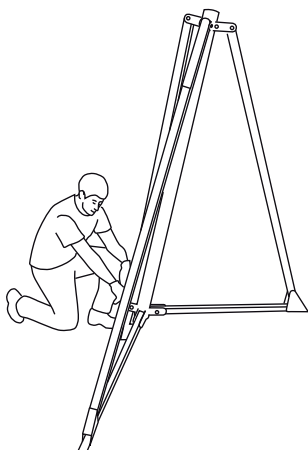
Step 4

ALSINA TRIPOD with one foot open.



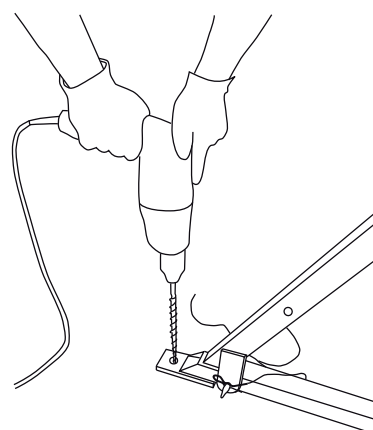
Step 5

Turn the TRIPOD 180 degrees, open the second foot, and place it upright. Use an anchoring element to secure the tripod to a high, fixed point so the structure does not overturn. Proceed to open the third foot.



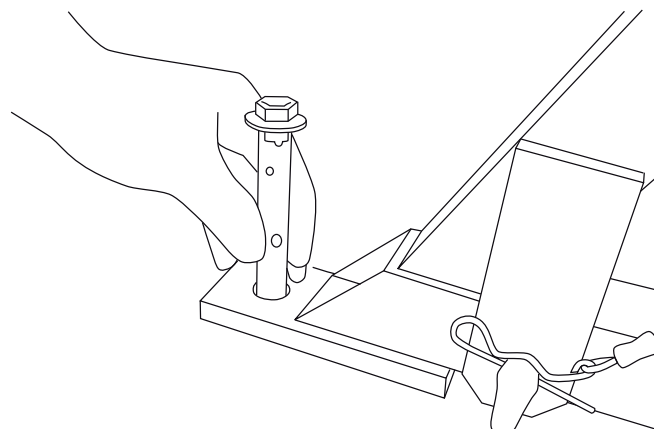
Step 7

On the HA25 concrete sole plate, drill with an 18 mm - diameter bit to a depth of 140 mm.



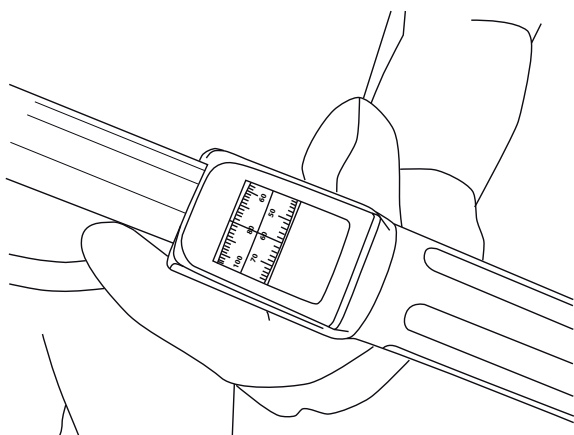
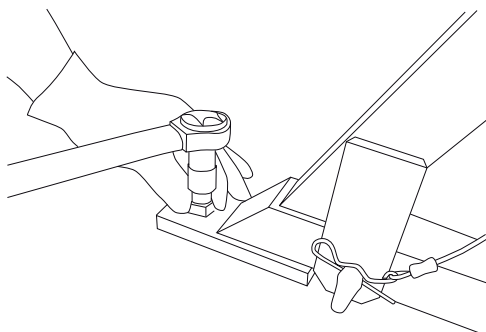
Step 8

The M12 FISCHER FH 18X80/25 S HIGH RESISTANCE ANCHOR is fitted.



Step 9

With a dynamometric wrench, torque to 80 Nm. Repeat for all three anchors. Finally, using the crane, place the Alsipercha on top of the ALSIPERCHA TRIPOD.



Procedure for use on site

General Information

There are 5.5 or 6.5 metres from the anchor point to the floor, depending on the type of tripod selected, meaning that the worker can work above the truck load in complete safety. The diameter of the circular surface occupied by the tripod base is 2.7 m

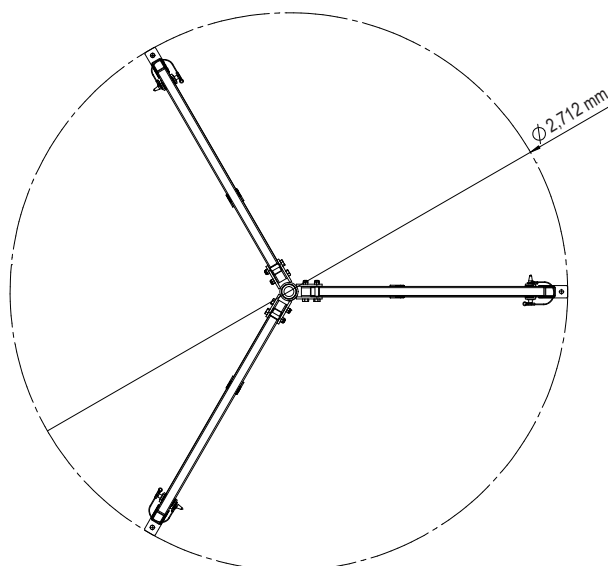
Safety information

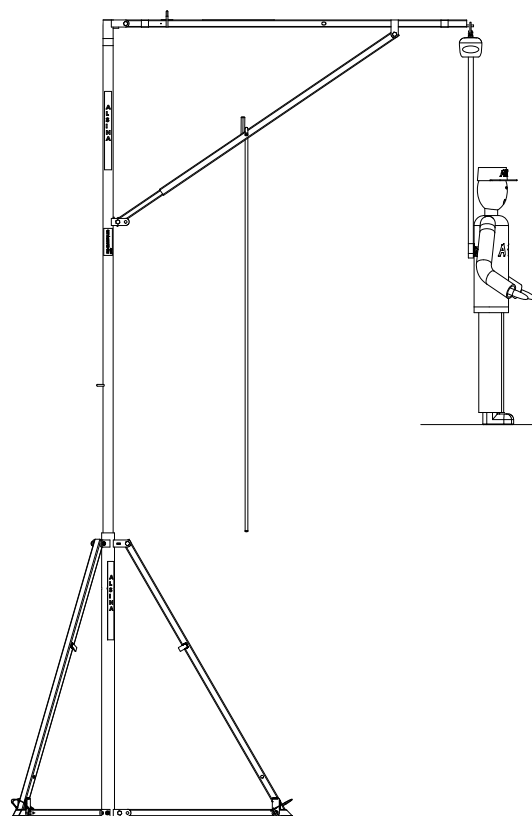
The Alsipercha is only for the operations indicated in this document, to prevent them from falling when loading on or unloading from delivery vehicle platforms.

Other spare parts that are not supplied with the system must not be used.

Check all the parts of the Alsina unloading system components before installing. Never use the equipment if it is damaged or rusty, as this may affect its safety.

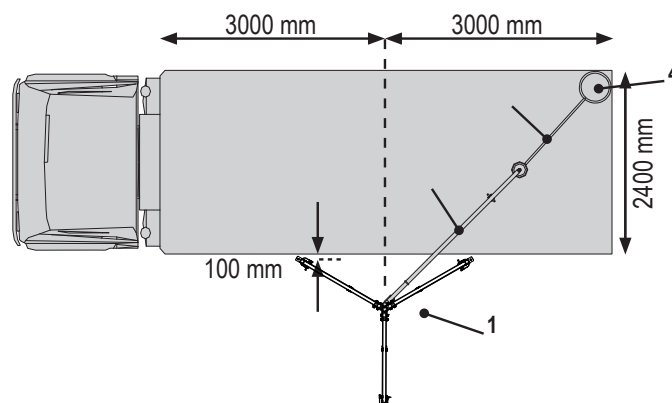
If activated due to a fall of a user, the retractable device must be withdrawn from service and inspected by an appropriate person. If you have any queries, please contact Alsina





Trucks that are 6 m long

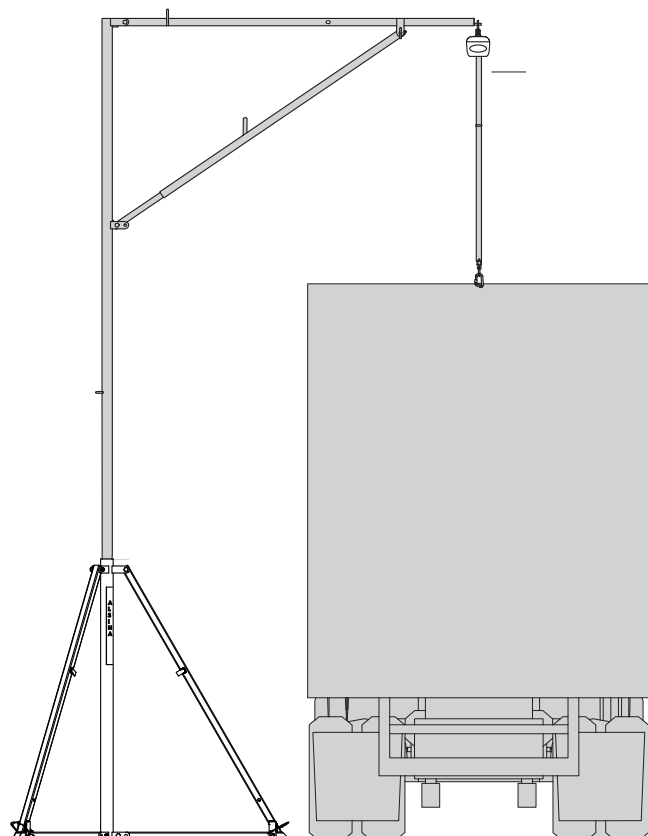
To unload the 6-metre platform of a truck, only one Alsipercha system will need to be used. When parking the truck, the rear box/platform must be situated according to the distances shown in the following illustration:



LEGEND

1. Alsipercha unloading system
2. Alsipercha System
3. 10 m retractable device
4. Worker

Final assembly



Any worker unloading a truck with a 6 m platform, must use:

- Suitable footwear
- A reflective jacket and a helmet with chin protection
- A safety harness
- 0.3 m additional extension rope for subsequent anchoring

Once the worker has the PPE correct (Personal Protection Equipment), he can hang the additional 0.3 m rope on his harness by rolling it up and attach the other end of the fall arrest device to the retractable element with a snap hook.

The worker must be connected to the system before accessing the platform.

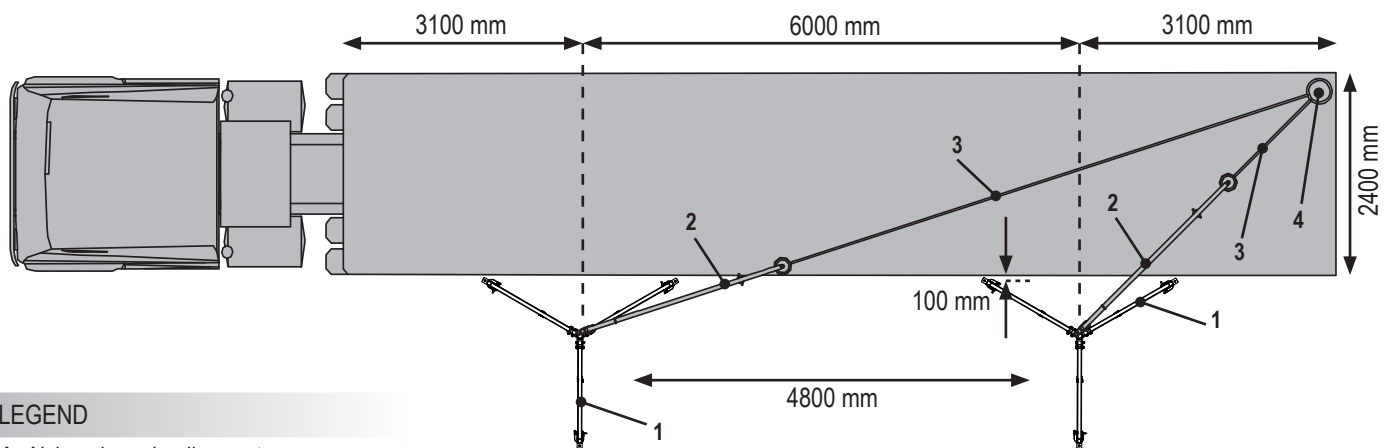
Trucks that are 12 m long

As the image below shows, when a 12-metre truck is loaded and unloaded, two Alsipercha systems must be used simultaneously.

When parking the truck, the rear box/platform must be situated according to the distances shown in the illustration below.

The worker must be attached to two Alsipercha systems. This will help him control the movement on the 12 m long platform in the event of a fall.

If it should be necessary to access the outer corners of the platform, it is best to move the truck to ensure that the worker is within a range of 3.5 m from the structure.



LEGEND

1. Alsipercha unloading system
2. Alsipercha System
3. 10 m retractable device
4. Worker

Any worker unloading a truck with 12 m platform, must use:

- suitable footwear
- a reflective jacket and a helmet with chin protection
- a safety harness
- 0.3 m additional extension rope for subsequent anchoring

Once the worker has the correct PPE (Personal Protection Equipment) he can hang the additional 0.3 m rope on his harness by rolling it up and attach the other end of the fall arrest device to the retractable element with a snap hook.

The worker must be connected to the two systems before accessing the platform.

Report by the Association of Building Consultants (ACE)*

1. BACKGROUND AND PURPOSE OF THE REPORT

...the checks to assess the structural impact of this system, which is the subject of this report, will be carried out in accordance with the following regulations:

- **EUROCODE 2:** Design of concrete structures. Part 1-1: General rules and rules for buildings. **UNE-EN 1992-1-1:2013**
- **EUROCODE 3:** Design of steel structures. Part 1-1: General rules and rules for buildings. **UNE-EN 1993-1-1:2008**

5. SUMMARY AND CONCLUSIONS

In the case of a C25/30 concrete column, placing an S-235JR tube of the dimensions specified in point 2 of this report inside it does not imply any reduction of its resistant characteristics, as demonstrated in the previous point.

As a summary, and for different concrete and steel resistances, two tables (compression and shear) are shown with all possible combinations:

COMPRESSION

Concrete	Steel		
	S235 JR	S235 JR	S355 JR
C25/30	1.302	1.524	1.968
C30/37	1.085	1.270	1.640
C35/45	0.930	1.089	1.405
C40/50	0.814	0.953	1.230
C45/55	0.724	0.847	1.093
C50/60	0.651	0.762	0.984

SHEAR STRESS

Concrete	Steel		
	S235 JR	S235 JR	S355 JR
C25/30	1.892	2.214	2.858
C30/37	1.615	1.890	2.440
C35/45	1.411	1.651	2.131
C40/50	1.253	1.466	1.893
C45/55	1.128	1.320	1.703
C50/60	1.025	1.200	1.549

It is observed, for example, that for a steel S-235JR such as that of the current tube, in concrete with a characteristic strength equal to or greater than 35 MPa, the safety coefficient is lower than the unit. Therefore, in this case and in all those that appear in red in the compression table, the incorporated tube as part of the ALSIPERCHA system supposes a decrease in the resistance capacity of the column. In these cases, once the formwork has been placed and the system is no longer used, the hole should be cleaned and then filled with a GROUT mortar of the same resistant characteristics as the concrete of the column.

We present, for all relevant purposes and based on our firm knowledge and understanding, our opinion which we defer to any other better-founded opinion, in Girona, on July 11, 2019.

BG
Blázquez Guanter

Antoni Blázquez y Boya
BLÁZQUEZ GUANTER SLP

ACE
ASSOCIATION OF CONSULTANTS OF STRUCTURES

Jorge Blasco
A.C.E Technical Commission

Report by the Universidad Politécnica de Valencia (UPV)*

(.../...)

4.- CONCLUSIONS

- This study analyzes the influence exerted on the behavior of the reinforced concrete columns by the use of the Fall Arrest System developed by ENCOFRADOS J. Alsina, S.A.

(.../...)

The most important conclusions are as follow:

- 1.- Although the sizes of concrete column sections are usually selected for shear stress and flexocompression separately, this study has considered these jointly, in a similar way to the analysis of metal structural sections. This makes it easier to consider the influence of the steel tube.
- 2.- As a result, we estimate that the reduction of section shear stress resistance caused by the hole in the concrete would be absorbed assuming, in the flexocompression calculation, that the steel of the tube experiences a reduction in elastic limit which has been taken as 5%, to be on the safe side.
- 3.- Considering this reduction in the elastic limit of the steel, the Axis-Moment interaction diagrams for the section were calculated without modification and including the tube (for different types of steel and thicknesses of tube). Accordingly we have determined, for each type of concrete and steel, the tube thicknesses that cause the interaction diagram for the modified section to wrap around the original section. This ensures that there is no loss of resistance for the section for that thickness of tube.

[Signature]

Signed: Pedro A. Calderón García
Dr. Civil Engineering, C. and P.
Head Teacher in Building
and Prefabrication

[Signature]

Signed: Juan Navarro Gregori
Civil Engineering, C. and P.
Assistant Teacher in Concrete



Info* The original document consists of 8 pages, and is available to our customers for inspection.



Info* The original document consists of 17 pages, and is available to our customers for inspection.

General usage considerations

These considerations complement those described in the system's assembly and disassembly process.

The system has been designed and calculated for the specific uses and applications described in this manual. Therefore, Alsina accepts no responsibility for the use of the equipment in situations other than those described in this manual.

The Alsina Group does not participate in the management or execution of the project, and the client is solely responsible for the proper use of the materials supplied.

All the components have sufficient strength and stability to support the loads and stresses described in these instructions. It is essential to place all the system's components with all the accessories mounted and properly assembled.

The technical operating instructions, safety indications and data on loading conditions must be scrupulously observed and followed. Failure to respect these indications may lead to accidents and severe injuries (or death) and to considerable material damage.

Systems should not be mixed as they may be incompatible and are neither designed for nor adapted to the assembly. Alsina rejects all liability if the system components are replaced with similar components supplied by another company.

Before starting assembly, the person in charge must plan for loading and unloading, material storage, and laying out and marking the areas where the work is to take place, in accordance with the general organization of the construction work.

The following PPE must be used in the assembly/disassembly: Gloves, boots, goggles, helmet, reflective vest, etc.

For heights greater than 3.5 m, a safety harness must be used.

The equipment must be assembled by specialized personnel.

Work areas must be kept clean and orderly.

The largest possible number of operations must be carried out on the floor.

Formwork must be interrupted in the event of heavy rain, snow, lightning storms, or winds over 65 km/h (service wind pressure of 0.2 kN/m²), removing any materials or tools that may be loose.

Sources of fire are not allowed near the formwork area.

Workers must always access the work area through the areas made available for this purpose.

Storage

Having an area designated for compiling and controlling all the elements supplied is recommended.

Areas must be delimited for the storage of materials or accessory items for formwork, assembly, use and disassembly of formwork elements. Personnel not involved in assembly or disassembly shall not be allowed inside these delimited areas.

Storage shall be properly organized in suitable locations, away from passageways.

All material must be properly stacked, without exceeding safe heights, to avoid the risk of toppling or causing difficulties when roping it for lifting or transport. Work materials and tools must be placed or stored so that they cannot collapse, fall or turn over.

Materials stored must be stable, arranged horizontally and wedged in place.

Materials must not be stored on insecure slopes, unstable or loose ground, or loose or unstable elements.

If the material is strapped, the straps should not be removed while there are workers in its path.

Transporting Materials

There must be proper coordination between the crane worker and the worker who hooks or guides the load. The crane worker must have a clear view of the trajectory of the load or, failing this, must be assisted by a guide, communicating with each other using a pre-agreed set of signals.

Before starting load hoisting, the worker must move away from the sweep area of the load. When the load is moving, no worker shall be on it, and movements above or near people should be avoided. The presence or passage of people under suspended loads must be avoided.

The load must be well balanced and must be raised and lowered slowly, avoiding abrupt acceleration and deceleration.

Loads must be lifted vertically, never diagonally, avoiding rocking and horizontal dragging movements. When necessary, guide ropes or cables adequate for the load being supported must be used for this purpose.

When lifting heavy or bulky loads, the use of rocker arms is recommended.

If the loads could collide with the structure, other on-site elements or personnel, retention or load-guiding cables should be used.

To prevent objects falling onto people and/or materials during hoisting, loading or unloading operations, using trays or transport containers, always following the manufacturer's instructions, is recommended. Alsina provides the ALSINA CONTAINER item. Alternatively, they can be lifted using slings, distribution beams, rocker arms, etc. in packages strapped at both ends, hanging the load, thus avoiding horizontal displacement of the stable assembly. Lifting systems must be with closed hooks. The crane worker, who will have received the proper training, shall always be responsible for final review of the attachment of the load.

Stacking the ALSINA CONTAINER more than three high is not recommended. They must be stacked on a stable, flat area.

Simultaneous movements shall not be carried out with the crane.

Loads must be hoisted using mechanical equipment, with a load capacity sufficient for the load being lifted.

Equipment Maintenance

A pre-established expiration date cannot be established for formwork, but improper use of equipment that could cause damage to it must be avoided.

Alsina, S.A. supplies the formwork material and is responsible for delivering the equipment in good working condition, in accordance with the criteria in our quality manual. When assembly is not carried out by Alsina, the user must accept responsibility for proper use and maintenance of the equipment.

The users are always responsible for maintaining all equipment, whether rented or the customer's own property.

When assembling, the material must always be checked by a qualified individual who will verify that the equipment is apt for use or reject it, especially in the event of a person falling. There are specific control guidelines for using the main components of the system on site. These are detailed in the appendix at the end of this section (Appendix 1). In accordance with these criteria, when a part that is not fit for use is identified, it must be rejected, avoiding the use of defective or damaged parts.

The condition of the material must be checked before the start of a day after strong winds, rains, snow, etc. since it is possible that a part could have been dropped, displaced, loosened or damaged.

Annex: Regulations in Spain

Spanish legislation requires that assembly and dismantling of the system must be performed by personnel duly trained, as described in Law 31/1995 and the modifications to this law contained in Law 54/2003, for work of this type, and must have the information and tools required for the proper performance of the task.

Also, the contents of Royal Decree 1627/1997, on minimum health and safety provisions applicable to construction work, as well as in Royal Decree 2177/2004, which modifies Royal Decree 1215/1997, which establishes the Minimum Health and Safety Provisions for Use of Work Equipment by Workers, on the subject of temporary work at heights.

Regulations also require mandatory use of personal protective equipment adequate for the work to be performed, as described in Law 31/1995 and its further development in Royal Decree 773/1997.

In cases where workers from multiple companies are active concurrently, there must be coordination on the subject of prevention, as defined in article 24 of Law 31/1995 and its further development in Royal Decree 171/2004.

Appendix 1: Conditions of use on site

Below are the guidelines for reviewing each component of the Alsina Alsipercha Fall Arrest System. Reviews should be performed regularly, once per year at the very least.

As explained in Alsina's Alsipercha Assembly and Safety Manual, this review does not replace the visual inspection that the user should perform each time he or she uses the Fall Arrest System.

Retractable Review Procedure - 8441201 / 84439

Control guidelines	Procedure
Check that the belt winds automatically and unwinds normally along its whole length.	If it does not work, remove from service since it is faulty.
Check that the locking function is, by pulling the belt sharply and observing that it locks.	If it does not work, remove from service since it is faulty.
That the textile is in perfect condition, without tears or loose ends.	If it does not work, remove from service since it is faulty.
That the metallic parts are not oxidised and that the karabiners work and block correctly.	
It is important to check that the continuous energy absorber protected by the plastic and the fibres forming it, have not broken.	If it does not work, remove from service since it is faulty.

Alsipercha Body Review Procedure - 84411, column clamps - 83424, column clamp sleeve - 83426 and Tripod for unloading trucks - 84475, 83472, 84478, 83473 inspection procedure.

Control guidelines	Procedure
Place the Alsipercha system on two trestles and open it up to:	
- Check that the bolts, pins, and nuts of the various extensions are in good condition and that they can move freely.	
- Check that the extensions are neither askew nor misshapen (maximum tolerance in both directions is 5 mm). Pay special attention to ensuring that the diagonal tube with spring is straight.	If problems are identified with any of the above, contact the Alsina Service Department.
- Clean the concrete and particularly some areas between the two lugs, as this is the area where various hanger accessories are housed. If these are closed, open them with a hammer, until the beam can enter.	
- Inspect the welds, especially on the ring to which the hood is attached.	



Warning - Never remove the Alsipercha Body's diagonal tube. Handling the tube may be dangerous. If any problem is observed in this diagonal, contact the Alsina Commercial Technician.

Hook Review Procedure - 83418

Control guidelines	Procedure
- Check that the hook is neither askew nor misshapen.	If the deformation is minor, it can be fixed provided that the tube structure is not misshapen.
- Clean the concrete.	
- Check that there are no fractures.	

Leveller Review Procedure - 83416

Control guidelines	Procedure
<ul style="list-style-type: none"> - Check that the leveller is in its original condition. Verify that it enters and exits a housing tube that is in good condition. - Check that there is no washer. Verify the level. Check that the leveller is not broken. 	<p>If problems are identified with any of the above, contact the Alsina Service Department.</p>

Textile Components review procedure: Sling - 84414, Harness - 84415, HARNESS EXTENSION with Jacket - 84423 / 84474

Control guidelines	Procedure
<ul style="list-style-type: none"> - Check that all textile elements are present. Check that there are no tears (especially along the edges) or loose threads. - The textile material must be kept in a clean, dry place. 	<p>Otherwise reject</p>

A	DEVICE IDENTIFICATION SHEET
(A) Distributor / Reseller / Details	
(B) Manufacturer	Encofrados J. Alsina S.A. Pol. Ind. Pla d'en Coll Camí de la Font Freda, 1 08110 - Montcada i Reixac (Barcelona - Spain)
(C) Product (type, model, code)	
(D) User (company, name and address)	
(E) Serial number / batch	
(F) Year of manufacturer	
(G) Purchase date	
(H) Date of first use	
(M) Notified Body that performed the CE certification / check	DEKRA EXAM GmbH Dinnendahlstrasse 9 - D-44809 BOCHUM Phone : +49 (0) 234 3696 105 Website : www.dekra-exam.de

B	DEVICE PERIODIC	CHECK SHEET				
No.	(O) Date	(P) Reason for check	(Q) Name and signature of the person responsible for checking	(R) Notes (defects found or other relevant information)	(S) Check results	(T) Date of next check
1		<input type="checkbox"/> Periodic check <input type="checkbox"/> Additional check			<input type="checkbox"/> Device fit for use <input type="checkbox"/> Device unfit for use <input type="checkbox"/> Device to be checked	
2		<input type="checkbox"/> Periodic check <input type="checkbox"/> Additional check			<input type="checkbox"/> Device fit for use <input type="checkbox"/> Device unfit for use <input type="checkbox"/> Device to be checked	
3		<input type="checkbox"/> Periodic check <input type="checkbox"/> Additional check			<input type="checkbox"/> Device fit for use <input type="checkbox"/> Device unfit for use <input type="checkbox"/> Device to be checked	
4		<input type="checkbox"/> Periodic check <input type="checkbox"/> Additional check			<input type="checkbox"/> Device fit for use <input type="checkbox"/> Device unfit for use <input type="checkbox"/> Device to be checked	
5		<input type="checkbox"/> Periodic check <input type="checkbox"/> Additional check			<input type="checkbox"/> Device fit for use <input type="checkbox"/> Device unfit for use <input type="checkbox"/> Device to be checked	
6		<input type="checkbox"/> Periodic check <input type="checkbox"/> Additional check			<input type="checkbox"/> Device fit for use <input type="checkbox"/> Device unfit for use <input type="checkbox"/> Device to be checked	
7		<input type="checkbox"/> Periodic check <input type="checkbox"/> Additional check			<input type="checkbox"/> Device fit for use <input type="checkbox"/> Device unfit for use <input type="checkbox"/> Device to be checked	
8		<input type="checkbox"/> Periodic check <input type="checkbox"/> Additional check			<input type="checkbox"/> Device fit for use <input type="checkbox"/> Device unfit for use <input type="checkbox"/> Device to be checked	
9		<input type="checkbox"/> Periodic check <input type="checkbox"/> Additional check			<input type="checkbox"/> Device fit for use <input type="checkbox"/> Device unfit for use <input type="checkbox"/> Device to be checked	
10		<input type="checkbox"/> Periodic check <input type="checkbox"/> Additional check			<input type="checkbox"/> Device fit for use <input type="checkbox"/> Device unfit for use <input type="checkbox"/> Device to be checked	