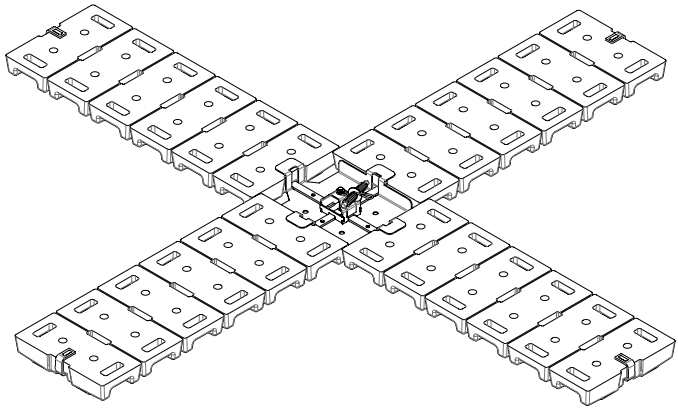
mobifor™

Installation, operating and maintenance manual English Original manual GB

GB *Portable deadman anchor system EN 795 type E*



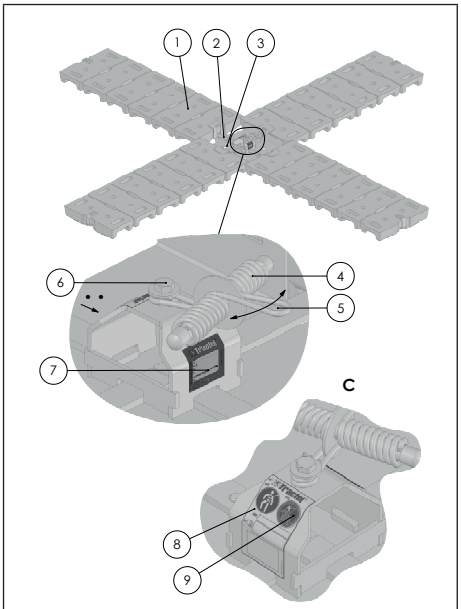


Fig. 1 / Abb. 1

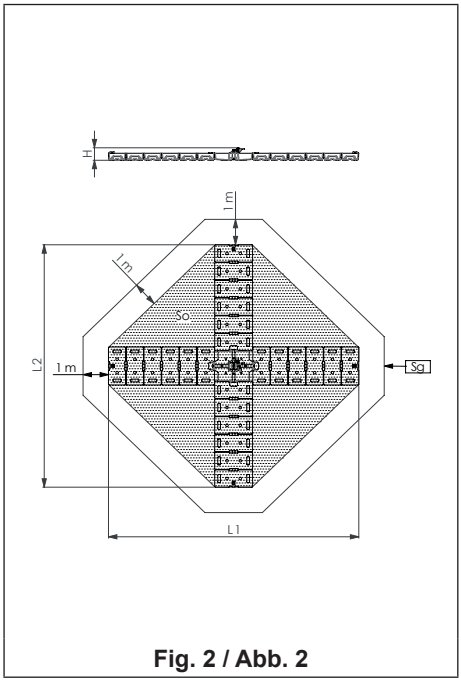


Fig. 2 / Abb. 2

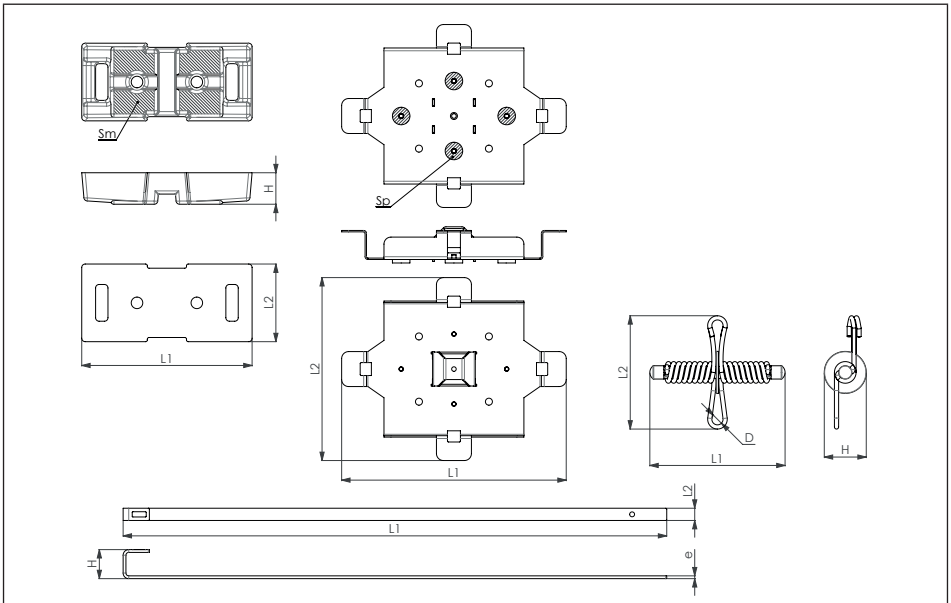


Fig. 3 / Abb. 3

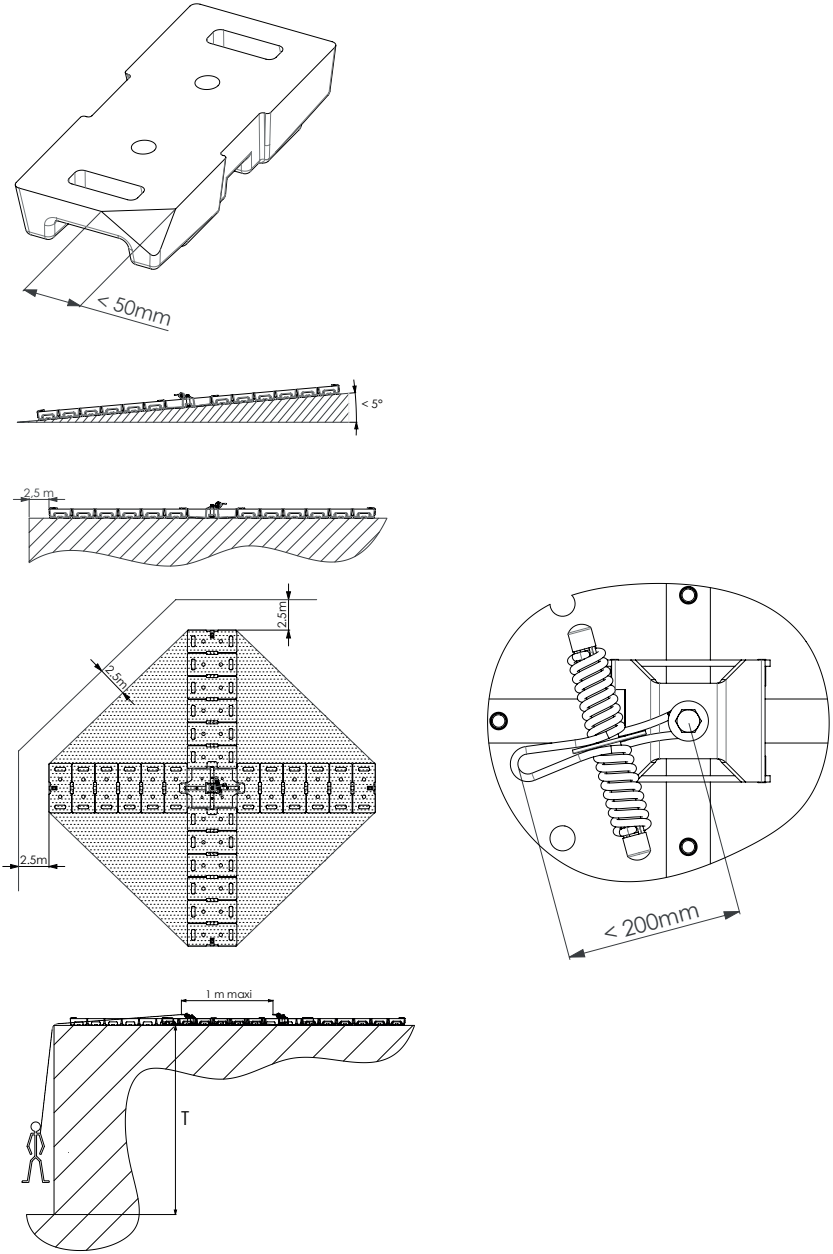


Fig. 4 / Abb. 4

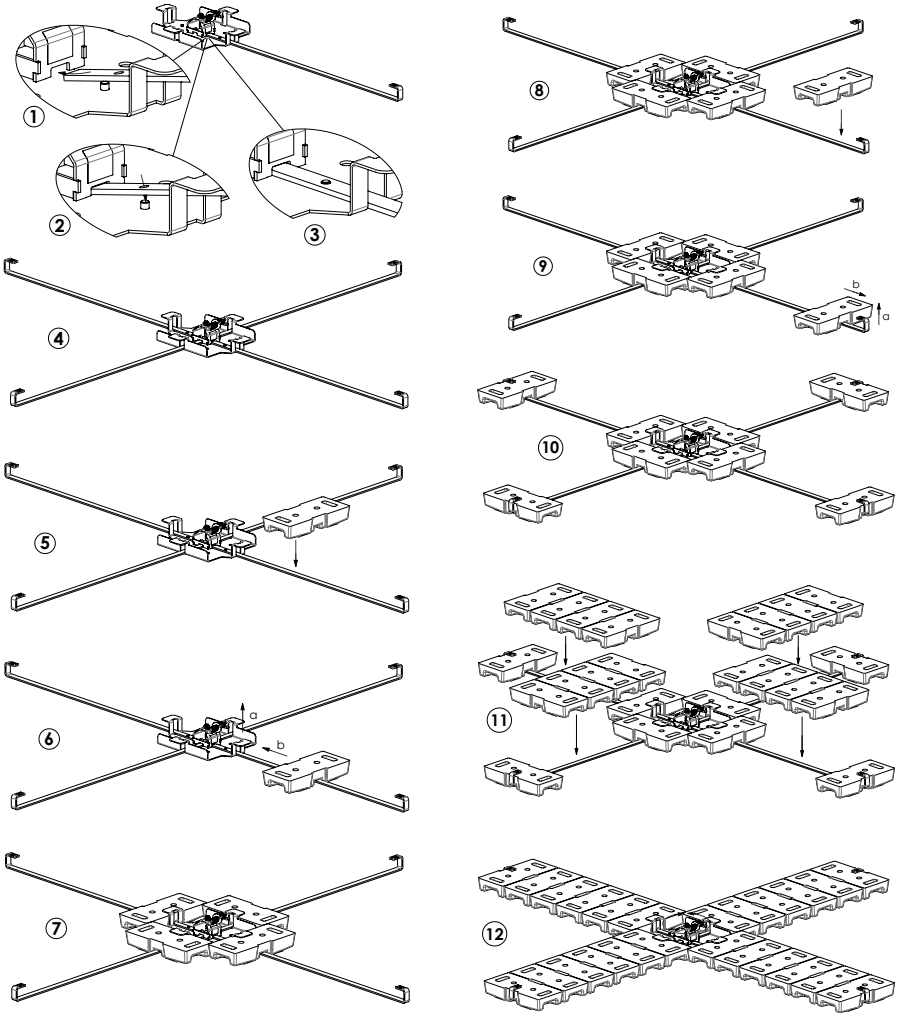


Fig. 5 / Abb. 5

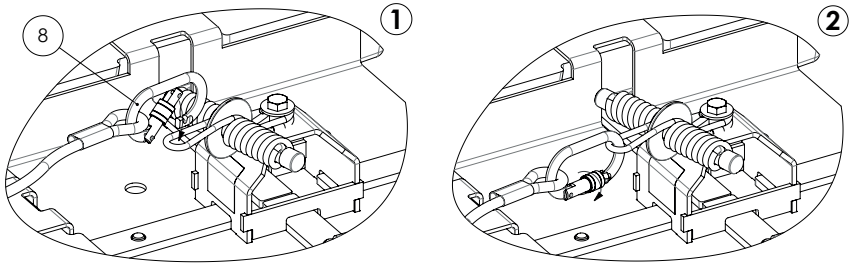


Fig. 6 / Abb. 6

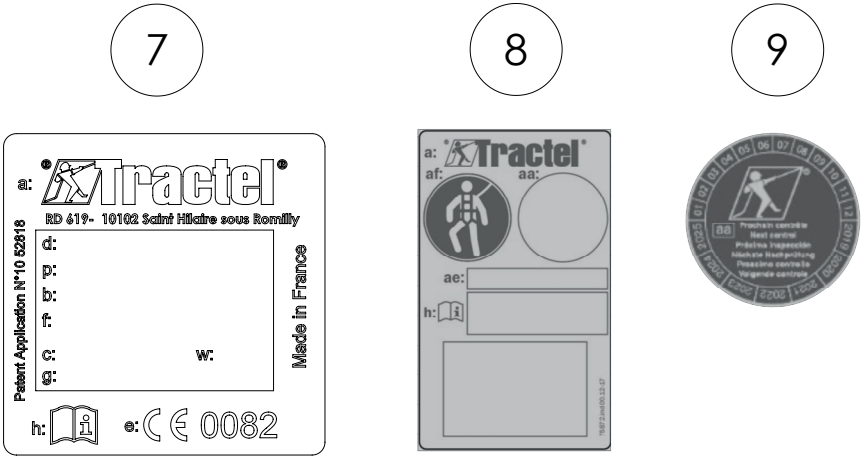


Fig. 7 / Abb. 7

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1. Key guidelines

1. Before using this equipment, and to ensure safe, efficient use of this equipment, it is essential that the supervisor be properly trained in the use of this equipment and has read and understood the information given in the manual supplied by TRACTEL SAS. This manual should be available at all times to all operators. Additional copies can be supplied on request.
2. Before use, it is essential that operators are trained in the use of this safety device. Check the state of associated equipment and make sure that the clearance is sufficient.
3. This equipment must only be used by trained and skilled personnel, or under the supervision of trained and skilled personnel.
4. Any modification or attachment made to the equipment cannot be done without prior written approval from TRACTEL SAS. The equipment must be transported and stored in its original packaging
5. The maximum operating load for this equipment is 100 kg.
6. If you are responsible for assigning this equipment to an employee or similar person, ensure that you comply with the applicable health and safety at work regulations.
7. The operator must be physically and mentally fit when using this equipment. If in doubt, consult your doctor or occupational therapist. Prohibited to pregnant women.
8. This equipment should not be used beyond its limits or in any other situation other than what it has been designed for (cf. § 3. Function and description).
9. It is recommended that This equipment is personally allocated to each operator, especially if this is an employee.
10. Before using a EN 363 fall-arrester device, the supervisor must ensure that each of the components is in good operating order: security system, locking system. When setting up, it is essential to ensure that no deterioration of the safety functions occurs
11. In a fall-arrester system, it is essential to verify, prior to each use, the free space under the operator in the workplace, to avoid any risk of collision, in the case of a fall, with the ground or with any obstacle found in its path.
12. A full body harness in accordance with EN 361 standard is the only body-gripping device that is permitted for use in a fall-arrester system.
13. It is essential for the safety of the operator that the device or anchorage point is correctly positioned and that the work is done in such a way as to minimise the risk of falls as well as its height.
14. For the safety of the operator, if this equipment is sold outside the first country of destination, the dealer should supply: an operator manual, instructions for maintenance, for periodic inspections and repairs, all compiled in the language of the country of use.
15. As each installation of this equipment constitutes a specific case, every installation of this anchor point should be preceded by a specific technical study for its installation. This study should be carried out by a qualified specialised technician, including the necessary calculations, depending on the installation specifications and this manual. This study must take into account the configuration of the set up site and verify, in particular, the mechanical suitability and coating of the structure on which the mobifor™ anchor point must be secured. It must be entered into a usable technical file by the installer.
16. Installation of this equipment should be carried out using appropriate means, in conditions of security that fully master the fall of risks to the installer, due to site conditions.
17. The operation, maintenance and management of this equipment should be placed under the responsibility of people who know the safety regulations and standards for this type of material and the equipment associated with it. Each manager, installer and supervisor must have read and understood this manual. The first commissioning this equipment must be checked by a competent person, for compliance of the installation with the prior study file and this manual.

☞ **NOTE**: For any special applications, please contact TRACTEL®.

2. Definitions and pictograms

2.1. Definitions

"**Supervisor**": Person or department responsible for the management and safe use of the product described in the manual.

"**Technician**": Qualified person in charge of the maintenance operations described and permitted by the supervisor manual, who is skilled in and familiar with the equipment.

"**Operator**": Person using the equipment in accordance with its purpose.

"**PPE**": Personal protective equipment against falls from height.

"**Connector**": Connecting element between components of a fall arrest system. It complies with standard EN 362.

"**Full body harness**": Body harness designed to arrest falls. It consists of straps and buckles. It features fall-arrest attachment points marked with an A if they can be used alone, or marked with A/2 if they are to be used in combination with another A/2 point. This is EN 361 compliant.

"**Maximum operating load**": Maximum weight of the operator, equipped with the correct PPE, workwear, tools and the parts they need to perform the task at hand.

"**Fall-arrest system**": Equipment made up of the following elements:

- Fall-arrest harness.
- Self-retracting fall-arrester, or energy shock absorber, or mobile fall prevention device with rigid belaying supports, or mobile fall prevention device with flexible belaying supports.
- Anchoring.
- Linking element.

"**Fall-arrest system component**": Generic term which defines one of the following elements:

- Fall-arrest harness.
- Self-retracting fall-arrester, or energy shock absorber, or mobile fall prevention device with rigid belaying supports, or mobile fall prevention device with flexible belaying supports.
- Anchoring.
- Linking element.

"Dead weight anchor": anchor point for a fall arrest system. It complies with standard EN 795:2012 type E.

"Anchor point": Location where the anchor point should be connected to the operator.

"**Belay lanyard**": Connecting element between an anchor point and a system to be secured.

"**Shock absorber**": Device for absorbing energy and limiting the person's fall load.

"**Sealing layer**": Coating of a roof terrace to guarantee sealing.

2.2. Pictograms

"**DANGER**": Placed at the beginning of the line, refers to instructions to avoid injury to persons, including death, serious or minor injuries, and damage to the environment.

"**IMPORTANT**": Placed at the beginning of the line, refers to instructions for avoiding a failure or damage to equipment, but do not directly endangering the life or health of the operator or that of others, and/or not likely to cause environmental damage.

"**NOTE**": Placed at the beginning of the line, refers to instructions to ensure the effectiveness and convenience of installation, use or maintenance operations.

Read the instruction manual.

Enter on the inspection sheet. Enter information on the detachable inspection sheet located in the central page of this manual.

Correct usage: correct use of the equipment.

3. Function and description

The mobifor™ fall arrest system is a removable fall arrest anchor point. It is fast and easy to install. One of the main advantages of this equipment is that it can be carried by hand in separate parts, and the entire anchor point has a total weight of less than 25 kg. It can be set up on roof or terrace without drilling the roof cover, which reduces the risk of leaks and the need for additional maintenance.

The mobifor™ fall arrest anchor point can be used on PVC or bonded bitumen sealing coats in compliance with directive 1907/2006/CE and standard ISO11014-1 and also EPDM type membrane (Two-leaf standard mix synthetic vulcanised rubber 100% Ethylene-Propylene-Diene Terpolymer) where the slope must be less than 5°.

The mobifor™ fall arrest anchor point is EN 795:2012 type E certified as a dead weight anchor point for 1 person.

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4. Standard delivery content

Standard delivery of a mobifor™ anchor point consists of the following components:

- 24 concrete blocks of 25 kg each (fig. 1, rep. 1).
- 4 block carrying arms in galvanised steel (fig. 1, rep. 2).
- A central structure in galvanised steel (fig. 1, rep. 3).
- A freely rotating shock absorber fixed onto the central structure (fig. 1, rep. 4).
- Anchor point (fig. 1, rep. 5).
- Absorber rotation axis. (Fig. 1, rep. 6).
- Anchor point identification label (fig. 1, rep. 7).

A plastic bag containing:

- A label indicating the date of the next periodic examination (Fig. 1, rep. 9).
- This installation, operating and maintenance manual
- An information plate (Fig. 1, rep. 8).

5. Technical Specifications

5.1. General features

The sizes given in the table below are referenced in fig. 2.

W (Kg)	L1 (mm)	L2 (mm)	H (mm)	So (m²)	Sg (m²)
620	3220	3120	162	6.4	

D: Weight of device
So: Circumscribed surface (Fig. 2)
Sg: Clearance surface (Fig. 2)

5.2. Characteristics of the component parts

The sizes given in the table below are referenced in fig. 3.

For all the parts we have:

D: Weight
D: Fixation diameter
Th: Thickness
L1: Length
L2: Width
H: Height
Sm: Installation surface of the 22 kg weight
Sp: Placing surface of the central structure on the ground

• **Concrete block** (Fig. 1, rep. 1)

W (Kg)	L1 (mm)	L2 (mm)	H (mm)	Sm (m²)
25	490	222	90	0.028

Material: Reinforced concrete charged at a density of 3.8 kg / l.

• **Block bearing arm** (Fig. 1, rep. 2)

W (Kg)	L1 (mm)	L2 (mm)	H (mm)	Th (mm)
3.7	1555	35	83	8

Material: Galvanised steel.

• **Central structure** (Fig. 1, rep. 3)

W (Kg)	L1 (mm)	L2 (mm)	H (mm)	Th (mm)
8.7	642	523	104	4

Material: Galvanised steel.

• **Shock absorber** (fig. 1, rep. 4)

W (Kg)	L1 (mm)	L2 (mm)	H (mm)	D0 (mm)
0.8	193	162	60	15

Material: Stainless steel.
Maximum trip effort: 6 kN.

6. Preliminary studies

6.1. Installation structure

The terrace roof on which the mobifor™ anchor point is installed must be resistant to support the additional weight due to the anchor point, i.e. a load of 100 kg /m² on a circumscribed area of 6,4m ² (see section 5.1) . In case of doubt about the resistance of the roof terrace, a preliminary study by a competent specialised technician, particularly in terms of resistance of materials, is essential before the installation of the mobifor™ anchor point (s). This study should be based on a calculation and take into account the applicable regulations, standards and standard good practices applicable as well as this manual, both for the anchor point and the PPE that must be connected to it. This manual should therefore be given to the technician or research unit in charge of the preliminary study.

NOTE: Tractel® recommends placing the mobifor™ anchorage point in line with a load bearing structure supporting the terrace roof.

6.2. Installation surface

Before installing the mobifor™ anchor point, the installer must ensure that the installation surface of the terrace roof meets the following requirements:

– Only one mobifor™ anchor point should be installed per 20 sq. m of installation area.
– The installation area must be greater than 20 sq m.
– The installation area must be secured either by ballast, mechanically or bonded.
  • If the installation area is secured by a ballast, the weight of ballast must be at least 65 kg per m².
  • If the installation surface is mechanically fixed, the number of attachment points must be at least 4 per m².
  • If the installation surface is bonded, bonding must be done in accordance with EN 12317-2 and ISO 6707.

DANGER: The installer must check before installation that the slope of the installation surface is 5° or less (Fig. 4). They must also check that the waterproof coating is bitumen, PVC or EPDM. Installation on another surface must imperatively be approved by Tractel®.

DANGER: When installing the mobifor™ anchor point on the terrace, the installer must ensure that the distance between the circumscribed surface of the dead weight anchor point (Fig. 2) and the edge of the terrace is 2.5 m or more (Fig. 4).

For the calculation of the air draft H, the maximum displacement of the anchor point (Fig. 4) of 1 m must be taken into account in all possible fall scenarios.

DANGER: When installing the mobifor™ anchor point on the terrace, the installer must ensure that the installation surface does not pose a risk of water accumulation in the event of rain.

6.3. Thermal insulation

The concrete blocks generate a pressure on the roof of around 12 kPa. This pressure is generally acceptable compared to the compressive strength values reported by the thermal insulation manufacturer for a 2% deformation over time.

However, before installation, the installer must ensure that:

• The value of compressive strength indicated by the manufacturer of the thermal insulation for 2% long-term deformation is at least 20 kPa.
• The installation surface of the anchor point presents even deformation under load.

NOTE: Tractel® recommends that the mobifor™ anchor installer checks this evenness of deformation by applying their own weight on 1 foot to the surface covered by the 24 concrete blocks. They will also ensure the evenness of deformation on a surface Sg (Fig. 2) of 1 metre around the circumscribed surface of the anchor point in all possible operator fall directions.

DANGER: The presence of a lack of evenness in deformation of the thermal insulation could lead to a malfunction of the mobifor™ anchor point when an operator falls. This defect could also lead to the deterioration of the waterproofing coating when an operator falls.

7. Installation

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7.1. Advance arrangements for installation

1. The installation of the mobifor™ anchor point must be performed by a trained and competent person.
2. The installation and use of the mobifor™ anchor point must be in compliance with the country's laws and regulations.
3. The installer must have the preliminary study file (§ 6).

7.2. Checks prior to installation

Before installation, check that:

1. The length of the shock absorber is less than 200 mm (Fig. 4).
2. The absence of significant damage to concrete blocks and the presence and legibility of all markings.
3. The block bearing arms and the central structure do not exhibit significant deformation and/or corrosion.
4. That all the associated products are used according to the recommendations of their respective instructions for use.
5. That the mobifor™ anchor point has been reviewed periodically over the past 12 months.
6. The air draft (Fig. 4, T) is compatible with the intended fall arrest system.

⚠ "**DANGER**": In the event of an anomaly noted during these checks, the mobifor™ anchor point must be suspended from use to prevent any accident and must be repaired by a trained and competent person (see § 10).

7.3. Installation

Depending on the type of waterproof covering of the terrace roof, the installer must proceed as follows:

7.3.1. For bitumen waterproofing loaded with a mineral layer (ballast)

Step 1:

Clear the terrace roof on a surface around the anchor point equivalent to the Sg surface (Fig. 2).

Step 2:

Clean the unobstructed area using appropriate resources. After cleaning, the surface must be free of all dirt such as dust, oil, grease, mould, algae, moss, leaves or other.

Step 3:

Installation of the anchor point (Fig. 5).

7.3.1.1. Installation of the galvanised steel central structure (Fig. 1, rep. 3):

This structure is equipped with 4 Sp surface mounting pads (Fig. 3) in order to avoid any risk of deterioration of the waterproof coating. However, it is recommended that the installer place it gently on the ground and not to step on it or to deposit masses on this central structure, which could lead to the deterioration of the waterproof coating.

7.3.1.2. Installation of the 4 galvanised steel block bearers (Fig. 1, rep. 2) following this procedure:

1. Take an arm by its folded end and introduce the right end of the arm into one of the 4 rectangular openings of the central structure. Then insert it into the rectangular hole in the lower part of the central post (Fig. 5, rep. 1 and 2).
2. Place the arm on the floor, taking care to insert the locking pin of the central structure into the hole of the block bearer arm (Fig. 5, ref. 3).
3. First block bearer arm installed.
4. Continue with the installation of the 3 other arms following the same procedure (Fig. 5, rep. 4).

7.3.1.3. Installation of the 4 central concrete blocks:

☞ **IMPORTANT**: Before placing the concrete blocks on the arms, the installer must ensure that the installation surface of the Sm (FIG 3) block does not present any sharp edges, deterioration or foreign body to deteriorate the waterproof coating of the roof.

1. Take a first block with both hands at the clearances and position it on the first arm taking care to place the arm in the groove of the block intended to receive it (Fig. 5, rep. 5).
2. Lift the central structure slightly until the arm stops at the bottom of the groove of the block and slide the block in order to bring it into abutment against the face of the folded leg of the central structure (Fig. 5, rep. 6).
3. First central block placed.
4. Do the same for the other 3 blocks.

→ Four central blocks in place (Fig. 5, rep. 7).

7.3.1.4. Installation of the 4 external concrete blocks:

1. Take a first block with both hands at the clearances and position it on the first arm taking care to place the arm in the groove of the block intended to receive it (Fig. 5, rep. 8).

2. Lift the folded end of the block bearing arm slightly to bring it into abutment against the inside of the folded end of the arm (Fig. 5, rep. 9).
3. First external block placed.
4. Do the same for the other 3 blocks.

→ Four external blocks in place (Fig. 5, rep. 10).

7.3.1.5. Setting up the remaining 16 concrete blocks :

1. Place 4 additional blocks in the remaining space.

→ First arm equipped with its 6 blocks (Fig. 5, rep. 11).

2. Do the same for the other 3 arms.

→ mobifor™ anchor point installed and ready for use (Fig. 5, rep. 12).

Step 4:

Reposition the mineral layer (ballast) around the anchor point.

→ The mobifor™ anchor is installed on the bitumen waterproof liner.

Step 5:

This step must be carried out only during the first commissioning:

1. Affix the information label (fig 1, rep. 8) on the central post of the central structure (fig 1, rep. 3) opposite the marking label of the anchor point (Fig. 1, rep. 7).
2. Punch or check with indelible marker the month and year of the first periodic examination on the indication label of the date of the next periodic examination (fig 1, rep. 9) and place it in the location marked “aa” on the information label (Fig. 1, rep. 8)
3. Indelibly mark the date of first commissioning in the box marked “ae” of the sign and then indelibly sign with marker in the box provided for this purpose.

→ First installation completed.

7.3.2. For the bare bitumen waterproof coating

Proceed according to steps 2, 3 and 5 of 7.3.

7.3.3. For EPDM type waterproofing

Proceed according to steps 2, 3 and 5 of 7.3.

7.3.4. For PVC-type waterproofing

Proceed according to steps 2, 3 and 5 of 7.3.

⚠ **DANGER**: The fall arrest operation of the mobifor™ anchor point is only guaranteed if the 24 blocks are in place and correctly positioned. If one or more blocks are shifted laterally or vertically, it is imperative to redo the installation.

⚠ **DANGER**: It is forbidden to place an interface between the laying surface of the blocks and the waterproof coating. The laying surface of the blocks has been specially designed to ensure optimum adhesion to the sealing surfaces specified in section 6.

⚠ **DANGER**: After installation, check that the circumscribed surface (Fig. 2, So) of the mobifor™ anchor point is well away from the edge of the terrace by at least 2.5 m.

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8. Use

Anyone who is to use the mobifor™ anchor should be physically fit for work at heights and have received pre-service training in accordance with this manual, demonstrating under safe conditions, in combination with the associated PPE. The method of connection and disconnection at the point of attachment of the dead weight body shall be carefully explained, and the supervisor’s understanding of this method must be verified. The description of the PPE connector carabiner is given in Fig. 6 showing the carabiner in position 1 open for its introduction, and in position 2 closed on the anchor point.

It is essential for the safety of the operator that the locking nut is screwed in fully as soon as the connection is made. It is essential to use a wire connector that is compatible with the anchor point snap ring.

The mobifor™ anchor point must be used exclusively for protection against falls from a height of 1 person, and must never be used as a means of suspension. It must be used only in association with CE certified PPE and comply with relevant regulations and standards.

The mobifor™ anchor point should never be used beyond its limits as indicated in this manual.

Before any use, the supervisor must ensure:

- That the 4 block bearer arms (Fig. 1, rep. 2) are equipped with 6 concrete blocks (Fig. 1, rep. 1) of 25 kg each, making a total of 24 blocks.
- No gap is visible between the blocks both horizontally and vertically.
- None of the concrete blocks have a broken corner larger than 5 cm (Figure 4).
- The length of the shock absorber is less than 200 mm (Figure 4).
- That the circumscribed area of the mobifor™ anchorage point is well away from the edge of the terrace by at least 2.5 m (Figure 4).
- The slope of the roof is less than 5° (Fig. 4).
- That atmospheric conditions do not present a risk of frost.
- That there will be no freezing.

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In case of anomaly or damage noted on the anchor point, its use should be immediately stopped until duly refurbished and handed over by a qualified technician.

The person in charge of the use of the mobifor™ anchor point shall provide a rescue procedure for the operator in the event of a fall and for any other emergencies, so that they can be evacuated in conditions compatible with the preservation of their health. It is recommended that each operator is equipped with a mobile phone listing the number to call in a case of emergency

IMPORTANT: At no time should the operator be disconnected from the mobifor™ anchor point when in an area where there is a risk of falling. In particular, when the operator passes from one anchor point to another, this passage must be done by means of a pair of lanyards (or a double lanyard) constantly attached to the operator's fall arrest harness, one of which is kept available, and connected to the attachment point of the second anchor point, before disconnecting the other lanyard on the first attachment point of the previous anchor point.

When the mobifor™ anchor point has undergone the fall of an operator, the entire anchor point and the personal protective equipment involved in the fall must be checked before being returned to use by a person qualified to do so.

9. Uninstallation

Before any uninstallation, the installer must check that:

- All conditions are met to guarantee their security during the uninstallation in accordance with the regulations in force.
- The mobifor™ anchor point is not in use or might be used by an operator (multipoint anchor installation).
- Identify a location for block storage under conditions that guarantee the integrity of the support and the stability of the blocks.

IMPORTANT: If the blocks are stored stacked, the installer must ensure that the support structure and the support surface are sufficiently robust. Tractel® recommends limiting the stacking of blocks to 3 high.

Uninstall procedure

1. Remove the 16 concrete blocks not locked vertically.
2. Remove the 4 outer blocks after unlocking them from the folded end of the arm by sliding them off.
3. Remove the 4 inner blocks after having unlocked them from the folded leg of the central structure by sliding them off.
4. Remove the 4 arms by lifting them by their bent end and sliding them out of the central structure.

→ The uninstall is complete.

IMPORTANT: After uninstallation, the installer must ensure that the sealing surface does not show any particular deterioration, for example after a fall.

10. Associated equipment

An EN 363 fall arrest system is made up of the following components:

- An anchorage (EN 795).
- An extremity connector (EN 362).
- A fall arrest system (EN 355 – EN 360).
- A connector (EN 362).
- A fall arrest harness (EN 361).

Authorized devices:

- Blocfor ™ fall Arrest: B5 ESD - B6 ESD - B10 ESD - B20 ESD in accordance with EN360
- Absorbing lanyard fall arrest : LDA - LDAD - LSA - LSAD - LSEA in accordance with EN355

Any other association is forbidden.

11. Prohibited use

It is strictly forbidden:

1. to install or use this equipment without the proper authorisation, training and recognition or, failing that, without the supervision of an authorised, trained and recognised competent person.
2. to use this equipment if any of the markings are not legible.
3. to install or use this equipment without first having carried out the preliminary checks,
4. to use this equipment which has not been covered by a periodic inspection over the past 12 months by a technician having authorised re-use in writing,
5. to use this equipment in contradiction with the information specified in the section " Lifespan",
6. to use this equipment as a fall protection system for more than 1 person,
7. to use this equipment by a person whose weight, equipment included, is greater than 100 kg.
8. to use this equipment in a highly corrosive or explosive atmosphere.
9. to use this equipment outside the temperature range specified in this manual,
10. to use this equipment if you are not in good physical condition,
11. to use this equipment if you are pregnant,
12. to use this equipment if the safety function of any of the associated items is affected by the safety function of another item or may interfere with it.

13. to use this equipment to secure a material's load.
14. to perform any repair or maintenance operations on this equipment without first having been trained and qualified, in writing, by Tractel®.
15. to use this equipment if it is not complete, if it has been dismantled beforehand or if components have been replaced by any person not unauthorised by Tractel®.
16. use any other weight block than the 25 kg concrete block specifically designed for use on the mobifor™ anchor point,
17. to install a mobifor™ anchor point on a terrace roof whose preliminary study (see Section 6) was not carried out or whose conclusions would be unfavourable to the installation of the anchor point.
18. to install the mobifor™ anchor point in any other way than those described in this manual,
19. to use the mobifor™ anchor point if one or more 25 kg blocks are not in place on the arms and properly positioned,
20. to install the mobifor™ anchor on any other waterproof surface than those stated in this manual,
21. to install the mobifor™ anchor point on terrace roofs with slopes greater than 5°,
22. use the mobifor™ anchor point if it is located less than 2.5 m from the edge of the terrace (see 8),
23. use the mobifor™ anchor point if the shock absorber is not free around the axis of rotation or if its length is greater than 200 mm,
24. to moor to the mobifor™ anchor point by any other means or at any other place than on the attachment point on the shock absorber (Fig. 6),
25. to place an interface between the 25 kg blocks and the waterproof liner during installation,
26. to install the mobifor™ anchor point on a sealing surface that has not been previously cleared and cleaned,
27. to use the mobifor™ anchor point if a rescue plan has not been put in place in the event of an operator falling,
28. to use the mobifor™ anchor point if the security function of one of the associated items is affected by or interferes with the security function of another item,
29. to use the mobifor™ anchor point without EN 355 compliant energy absorber,
30. to use a mobifor™ anchor point if the installation surface is contaminated with grease, oil, foam, algae or any other product that might facilitate sliding on the surface bearing the mobifor™ anchor point.

12. Regular inspection and repairs

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An annual periodical inspection is required, but depending on the frequency of use, environmental conditions and regulations of the company or the country of use, periodical inspections may be more frequent. Regular inspections should be carried out by an approved and qualified technician and in accordance with the manufacturer's examination procedures as laid down in the manual "TRACTEL® PPE Verification Procedures" based on the following criteria table:

Components spécification	
Concrete block (Fig. 1, rep. 1)	Check no significant damage (<50 mm Fig.4)
	Check the 'Sm' Installation surface damage
Central structure (Fig. 1, rep. 3)	Check that the part has not been modified
	Check the absence of deformation
	Check ruber pads presence (Sp, Fig.3)
	Check for corrosion
	Check the presence and readability of labels
Shock absorber (fig. 1, rep. 4)	Check the tightening of the screws
	Check that the part has not been modified
	Check for corrosion
	Check the absence of deformation (<200 mm, Fig. 4)
	Check the free rotation.
Block bearing arm (Fig. 1, rep. 2)	Check that the part has not been modified
	Check the absence of deformation
	Check for corrosion
	Check the presence and readability of label

Verification of the legibility of the marking on the product is an integral part of the periodical inspection. Following the periodical inspection, a certificate of return to service must issued by the approved and competent technician who performed the periodical inspection. This return to service must be recorded on the inspection sheet in the middle of this manual. This inspection sheet should be retained throughout the life of the product until it is scrapped.

GB

After stopping a fall, this product must be subject to regular inspection as described in this manual. Any textile components of the product must be replaced, even if they show no visible defect.

13. Lifespan

The Tractel® textile PPE components such as harnesses, lanyards, ropes and shock absorbers, the Tractel® mechanical PPE, such as Stopcable™ and Stopfor™ fall arrest devices, the Blocfor™ automatic retraction fall arrest devices and Tractel® lifelines can be used, provided that counting from the date of manufacture they are subject to:

– of normal use in accordance with the usage recommendations contained in this,
– a periodic examination which must be carried out at least once a year by an authorised and competent technician. a periodical inspection which must be carried out at least once a year by an approved and competent technician.
– strict compliance with the storage and transport conditions specified in this manual.

As a general rule and subject to the application of the conditions of use mentioned above, their lifespan may exceed 10 years.

14. Conformity of the equipment

TRACTEL SAS RD 619 company - Saint-Hilaire-sous-Romilly - F-10102 Romilly-sur-Seine France hereby declares that the safety equipment described in this manual,

- complies with the provisions of EU Regulation 2016/425 of the European Parliament of March 2016,
- is identical to the PPE which was the subject of the CE inspection issued by APAVE SUDEUROPE, CS 60193, 13322 Marseille 16 (No. 0082)– tested according to the EN 795 - E : 2012 Standard,
- is subject to the procedure referred to in Art. APAVE SUDEUROPE SAS – CS 60193 – 13322 Marseille – France, identified under the number 0082.

15. Maintenance and storage

This equipment should be stored in a dry place and stored at -30°C to +60 C. During transport and storage, protect the equipment against any risk of aggression (sharp edges, direct heat source, chemicals, UV, etc.).

During transport and storage, protect the equipment against all possible damage (shock, direct heat sources, chemical products, etc.).

Regular maintenance must be carried out by the supervisor. Besides the verifications specified in the “Inspections before use” chapter, the following maintenance should be carried out:

- should the anchor point become dirty, it must be washed in clean cold water and, if necessary, a washing product for delicate fabrics. Use a synthetic brush.
- when the anchor point becomes wet during use or washing, it must be left to dry naturally in the shade and away from any source of heat.

16. Disposal

When disposing of the product, it is mandatory to recycle the various components after sorting metallic materials and sorting synthetic materials. These materials should be recycled with specialised institutions. During disposal, dismantling to separate components should be achieved by a duly trained person.

17. Marking

The marking on each product indicates (Fig. 7, 8, 9):

a. Trademark: Tractel®.
b. Product designation.
c. The reference standard.
d. The product reference.
e The CE logo followed by the number 0082. identification number of the institution in charge of production control,
f Year and month of manufacture.
g. Serial number.
h. A pictogram showing that the instruction notice must be read before. use
w. Maximum Load Limit
p. Maximum number of operators who can use this equipment at the same time
aa. Date of the next periodic review.
ae. Date of entry into service .
af. Fall arrest anchor point for a person

Inspection sheet – Feuille de contrôle – Kontrollkarte – Controleblad – Hoja de revisión – Scheda di revisione – Folha de controlo
Δελτίο ελέγχου – Kontrollskjema – Kontrollblad – Tarkastuslista – Kontrolblad – Karta kontrolna – Контрольный листок

Type of product Type de produit Produktbezeichnung Produkttype Tipo de producto Tipo di prodotto Tipo de produto Τύπος προϊόντος Produkttype Produkttyp Tuotetyyppi Produkttype Typ produktu Тип изделия	Product reference Référence produit Codenummer Produktcode Referencia producto Riferimento prodotto Referência do produto Κωδικός προϊόντος Produktreferanse Produktreferens Tuotteen viitenumero Produktnummer Oznaczenie produktu Номер изделия	Serial number Numéro de série Seriennummer Serienummer Numero de serie Numero di serie Número de série Σειριακός αριθμός Serienummer Serienummer Sarjanumero Serienummer Numer seryjny Номер Серии	Name of user Nom de l'utilisateur Name des Benutzers Naam van de gebruiker Nombre del usuario Nome dell'utilizzatore Nome do utilizador Όνομα του χρήστη Brukerens navn Användarens namn Käyttäjän nimi Brugerens navn Nazwisko użytkownika Фамилия пользователя
Date of manufacture Date de fabrication Herstellungsdatum Fabricagedatum Fecha de fabricación Data di produzione Data de fabrico Ημερομηνία κατασκευής Fabrikasjonsdato Tillverkningsdatum Valmistuspäivä Fabrikationsdato Data produkcji Дата производства	Date of purchase Date d'achat Kaufdatum Aankoopdatum Fecha de compra Data di acquisto Data de compra Ημερομηνία αγοράς Kjøpedato Inköpsdatumi Ostopäivä Købsdato Data zakupu Дата покупки	Date of first use Date de mise en service Datum der Inbetriebnahme Datum ingebruikneming Fecha de puesta en servicio Data di messa in servizio Data de entrada em serviço Ημερομηνία θέσης σε λειτουργία Dato for bruk første gang Första användningsdagen Käyttöönottopäivä Dato for ibrugtagning Data przekazania do użytku Дата ввода в эксплуатацию	

Inspection – Vérification – Prüfung – Controle – Verificaciones – Verifiche
Verificação – Έλεγχος – Kontroll – Kontroll – Tarkastus – Eftersyn – Kontrola – проверка

		Date Date Datum Datum Fecha Data Data Ημερομηνία Dato Datum Päivä Dato Data Дата	Date of next inspection Date du prochain examen Datum der nächsten Prüfung Datum van het volgende onderzoek Fecha del próximo examen Data della prossima ispezione Data do pròximo exame Ημερομηνία του επόμενου ελέγχου Dato for neste kontroll Nästa inspektionsdatum Seuraavan tarkastuksen päivämäärä Dato for næste undersøgelse Data następnego przeglądu Дата следующей проверки	Name of inspector Nom du contrôleur Name des Prüfers Naam van de controleur Nombre del controlador Nome del controllore Όνομα του ελεγκτή Nome do controlador Kontrollørens navn Besiktningsmannens namn Tarkastajan nimi Kontrollørens navn Nazwisko kontrolujące Фамилия проверяющего	Signature Visa Unterschrift Gezien Firma Firma Visto Θεώρηση Visa Stämpel Hyväksyntä Underskrift Pozwolenie Виза	**Repairing – Réparation Reparatur – Herstelling Reparación – Riparazione Reparação – Επιδιόρθωση Reparasjon – Reparation Korjaus – Reparation Naprawa – Починка**
