

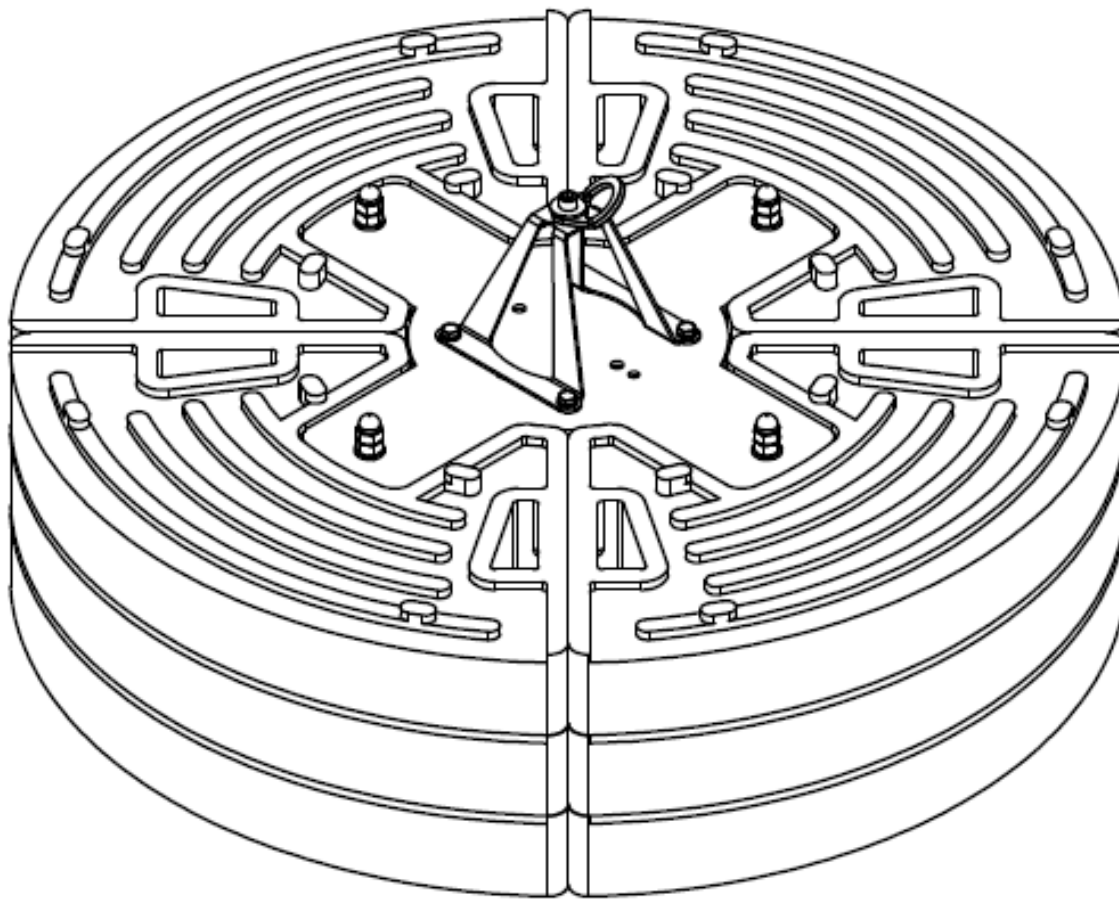


User Manual

IM 300 Anchoring mass
Reference number IM 300

EN 795:2012 type E

CE 0082



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1. Description of the anchoring mass

IM 300 anchoring mass has been designed as a portable, collapsible anchor point in accordance with EN 795:2012 type E. This device helps protect workers performing work at height, such as the edge of a flat roof.

The anchoring mass allows a secure and safe anchorage point for personal protective equipment against falls from a height to be quickly organised. Once the planned works have been carried out, the anchoring mass can be dismantled and moved to another location or put away until its next use.

Its modular design allows it to be assembled and dismantled without the need for cranes, hoists or any specialised equipment.

The weight of the individual components of the device was chosen so that it complies with the regulations (the weight of a single component must not exceed 28 kg) and can be carried by human muscle power.

The elements of the IM 300 anchoring mass are made of both rubber and steel. All steel components are made of stainless steel or have been weatherproofed.

The IM 300 anchoring mass can be used on surfaces such as:

- tar paper
- PVC membrane

with an angle of inclination not exceeding 5°.

Sufficiently large area occupied by the device allows the weight to be optimally distributed on the substrate (e.g.: roof), minimising the impact of the load on its structure.

It is forbidden to use the anchoring mass if there is a risk of freezing temperatures.

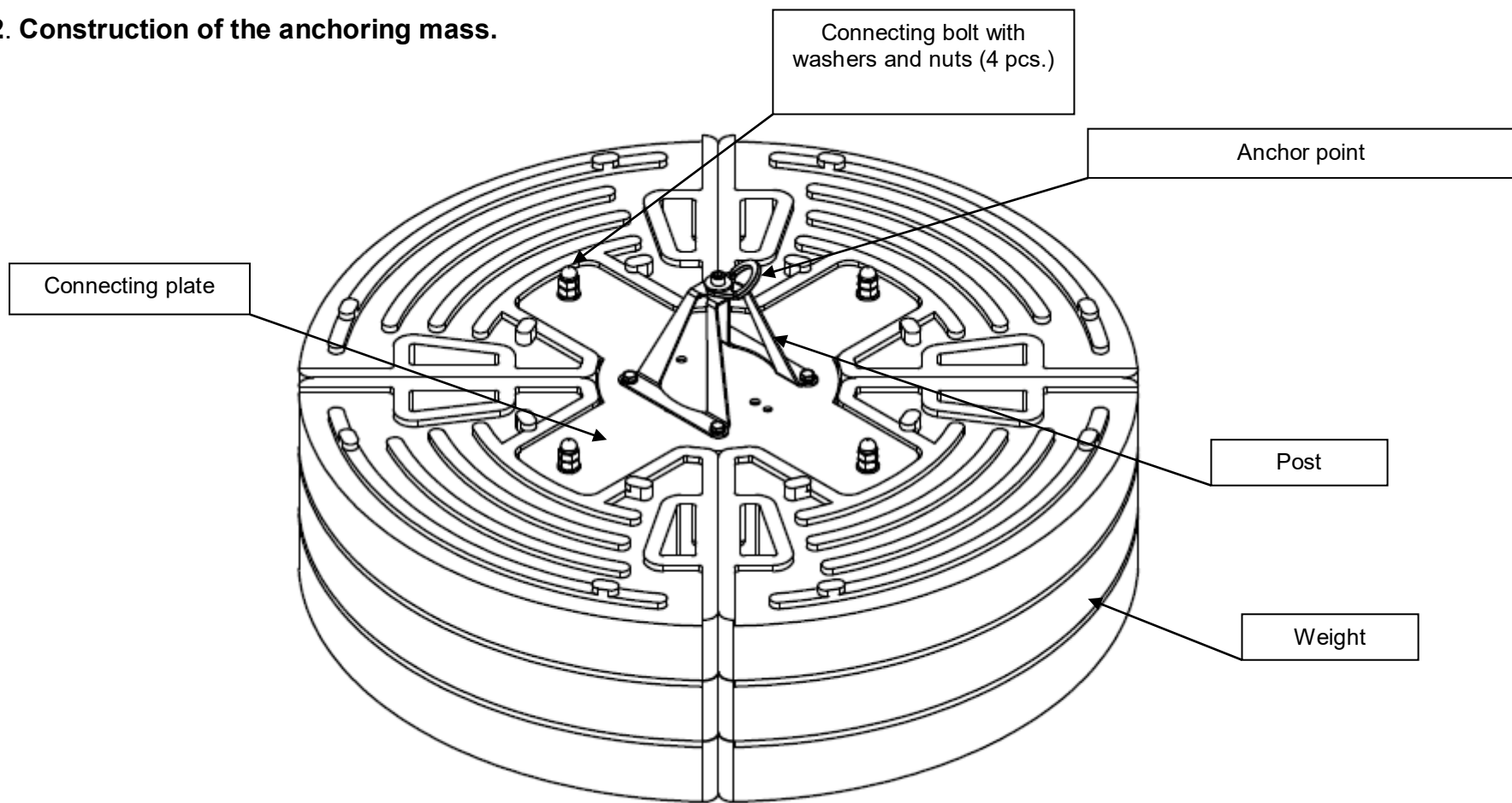
Remove any loose material (e.g. loose stones) from the surface of the roofing on which the anchoring mass will be installed.

Do not use on icy, greasy or any other slippery surfaces that could impair the performance of the anchoring mass.

The unit must be positioned at least 2.5m from the edge of the roof (distance from the edge of the roof to the edge of the unit).

Do not place the IM 300 in areas where water accumulates.

2. Construction of the anchoring mass.



– **Anchoring point** – 1 piece allows individual equipment to be connected to the anchoring mass:

- a. Full body harness in accordance with EN 361,
- b. Connecting and absorbing components in the form of:
 - Safety lanyard with energy absorber in accordance with EN 354/355
 - Guided type fall arrester in accordance with EN 353-2
 - Retractable type fall arresters in accordance with EN 360
 - Snap hook (connector) according to EN 362

– **Weight** – 12 pieces, single weight (1 of 12), set on the ground, equipped with a carrying handle.

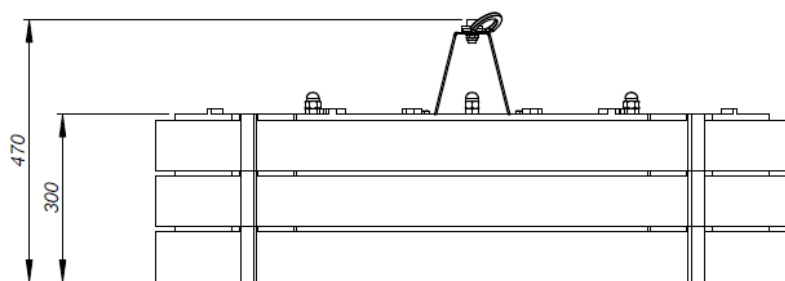
– **Connecting plate** – 1 piece, made of stainless steel, to allow the installation of the post with the anchor point (permanently mounted), it also provides the base for the connections (via connecting screws) to the weights.

– **Post** – 1 piece, stainless steel post for anchor point installation

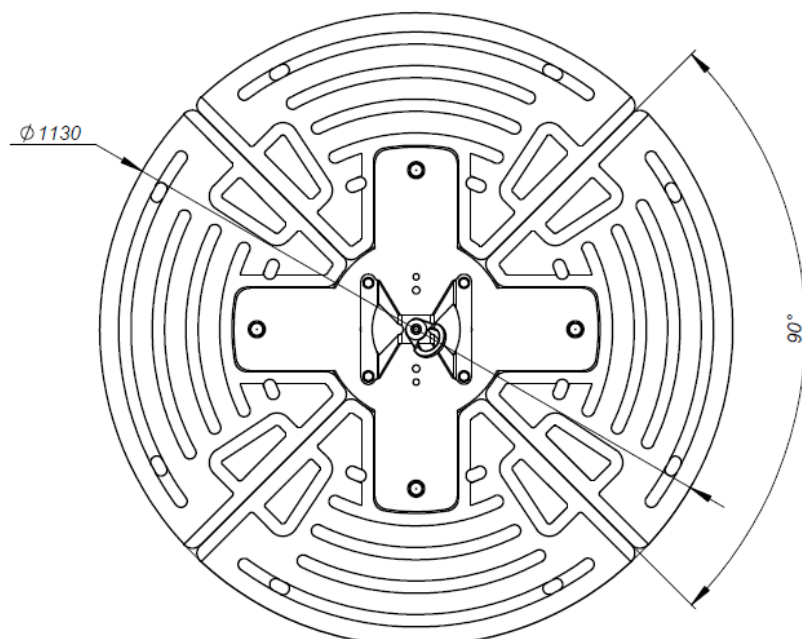
– **Connecting bolt with washers and nuts** – 4 pieces, connecting bolt between the weights and the connecting plate

3. Technical data for the anchoring mass

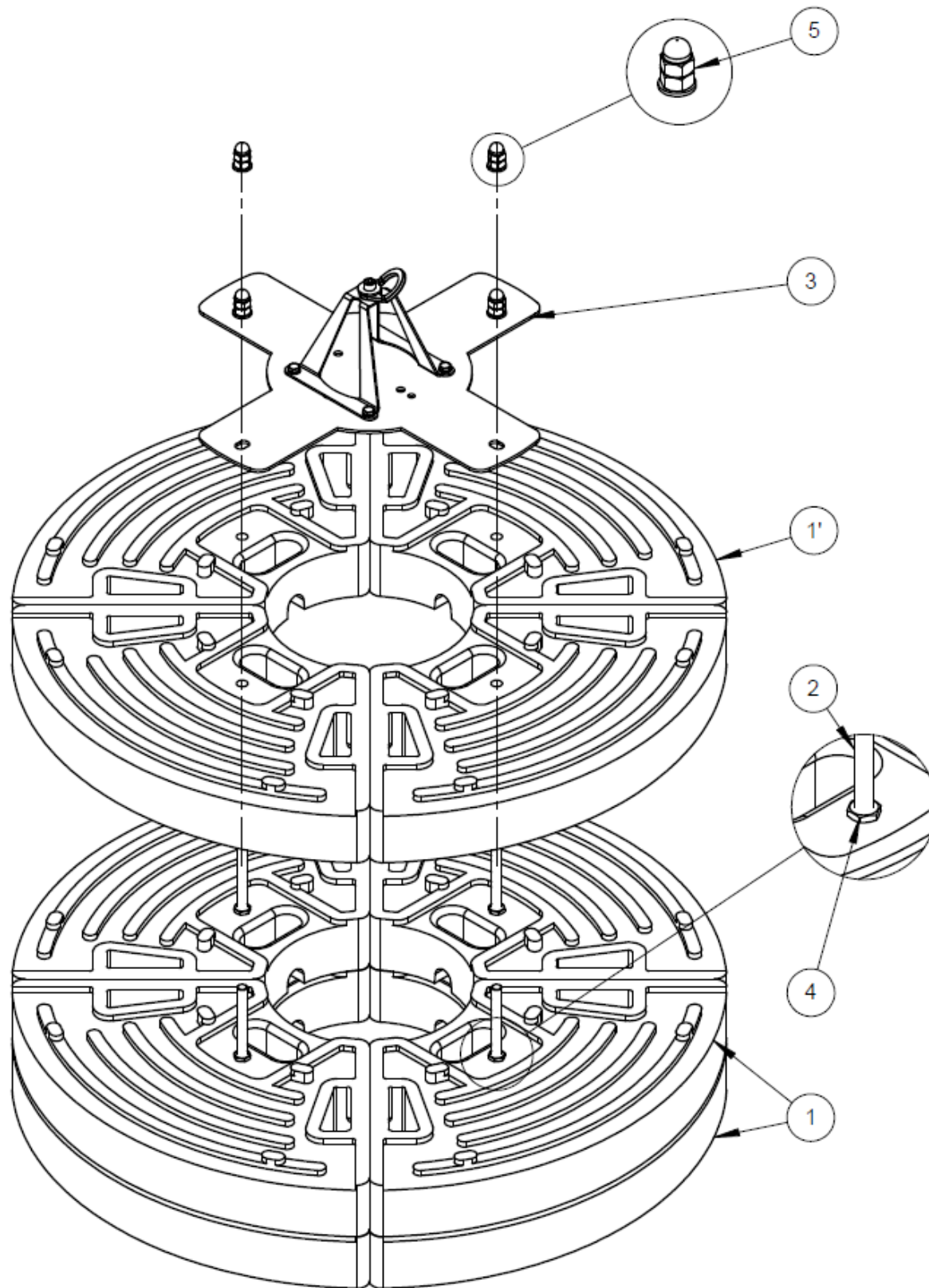
- dimensions – according to drawing below



- **Permissible number of people working at the same time**
– 1 person (max. 100 kg)
- **Total weight** – 270 kg +/- 5 kg
- **Main structure** – stainless steel
- **Weights** – rubber-plastic composite (UV-resistant mass)
- **Fasteners** – galvanised steel



4. Installation (assembly) of the anchoring mass.



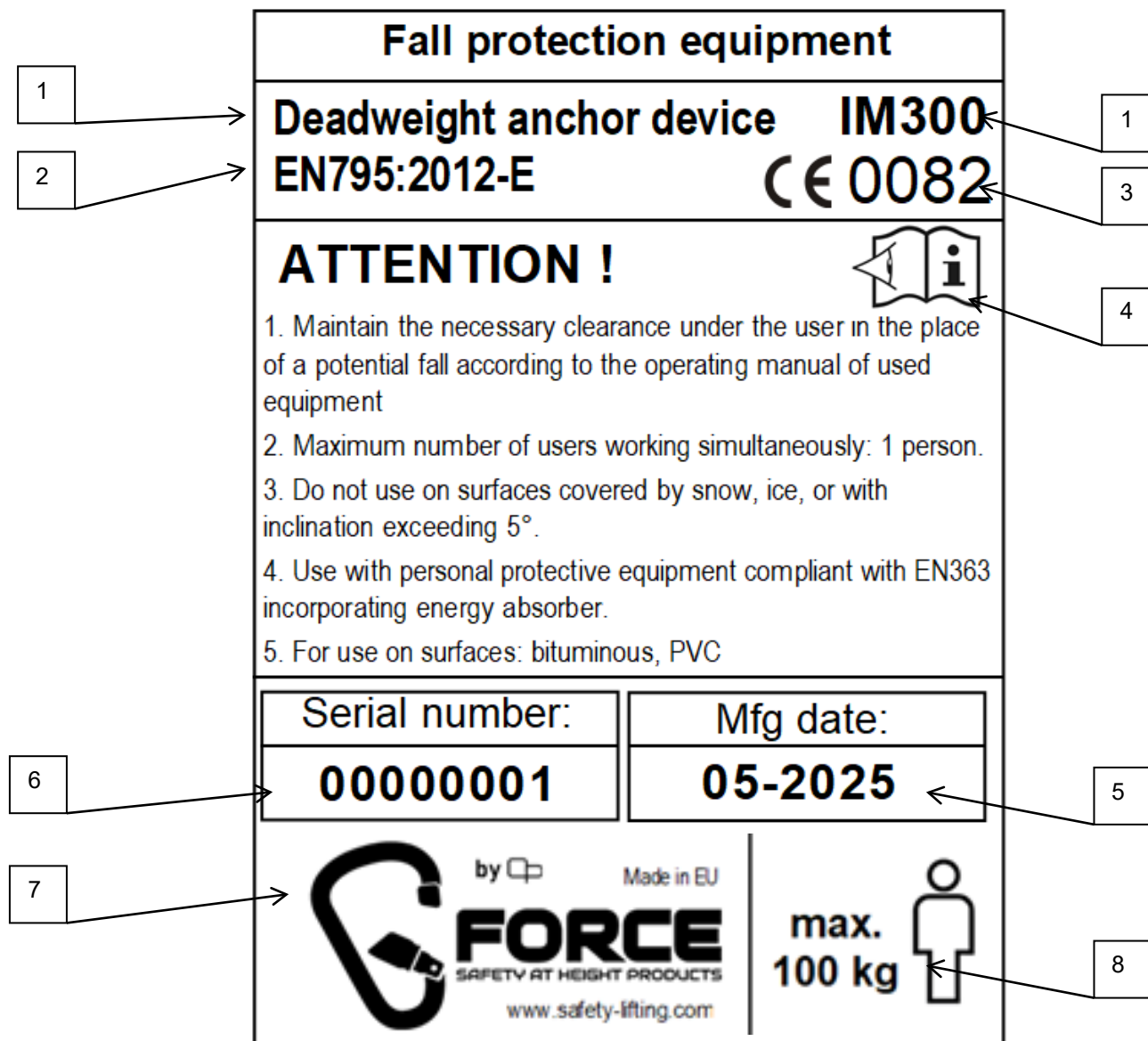
Before working with the IM 300 anchoring mass, ensure that it is not damaged or unusable. A general visual inspection of the device should be carried out for this purpose.

If you have any doubts about the condition of the equipment, do not carry out any work on it!

In order to properly prepare the IM 300 anchoring mass for use, adhere to the recommendations described below in the following order:

1. Select a suitable location to set the IM 300 anchoring mass so that the radius of the user's range of movement (resulting from the connecting and cushioning assembly used) covers the working area. Bear in mind that the deviation of the surface from level must not exceed 5°.
2. Place four weights (1) on four M16 screws (4) to form the first of three layers of weights. Arrange the weights in a circular shape. Then put another layer of four weights (1) onto the protruding screws (2).
3. Raise each of the four M16 bolts (2) by hand as high as possible and tighten the M16 low nut (4) preventing the bolts (2) from falling. The underside of the weights has hexagonal sockets in which the head of the M16 screws (2) should fit.
4. Place another layer of four weights (1) on the protruding M16 screws.
5. Place the connecting plate (3) together with the post and anchor point on the protruding M16 bolts.
6. Place a washer, plain nut and cap nut – set (5) – on the protruding M16 bolts.
7. Check that all components are connected correctly.
9. Check that all nuts are tightened
10. Visually check the presence of all IM 300 anchoring mass components and their condition.
11. Disassembly of the device must be carried out in reverse order, following points 6, 5, 4, 3, 2.
12. The individual components of the IM 300 anchoring mass should be handled individually.
13. After disassembly, the device should be stored in a dry and cool place.

5. Description of the anchor mass marking



1. Name and reference number of the device
2. Number and year of issue of the European standard and class to which the device conforms
3. CE marking and number of the notified body supervising the production of the equipment.
4. Note: read the instruction manual
5. Month and year of manufacture
6. Serial number
7. Designation of the manufacturer or distributor of the device
8. Maximal weight of user

6. Main principles for using the IM 300 anchoring mass

1. The IM 300 anchoring mass is designed for the connection of personal protective equipment against falls from a height.
2. Every user of the anchoring mass should carefully read these instructions for use. Use of the device contrary to the instructions is life-threatening. These instructions should always be available for reference. The device must only be used by people trained in the use of fall protection equipment.
3. The IM 300 anchoring mass must not be used by persons whose health condition may affect safety both during normal use and during the conduct of a possible rescue operation. A rescue plan should be prepared that can be used if necessary.
4. The anchoring mass may only be used for fall protection in accordance with the guidelines outlined in this instruction manual. In particular, the device must not be used for suspended work.
5. Before use, ensure that the other devices included in the fall protection system are compatible. It is forbidden to use combinations of equipment in which the safety function of any component depends on the safety function of another component.
6. An integral part of these instructions is the Usage Sheet which is used to record periodic inspections and repairs. The sheet should be completed and kept with this manual and presented to the manufacturer or the manufacturer's authorised service person upon request. It is the responsibility of the entity operating the device to keep the records in the Usage Sheet up to date. The user entity should require the staff responsible for servicing or repairing the system to make appropriate entries in the Usage Sheet.
7. The relevant instructions for use of the device used with the anchor mass listed in this instruction manual must be followed. In addition, all general health and safety regulations and rules must be complied with, particularly when carrying out work at height.
8. After 12 months of operation, the IM 300 anchoring mass must be decommissioned and periodically inspected. If there are factors affecting the condition of the device, such as severe working conditions or very high frequency of use, periodic inspections should be carried out more frequently. The periodic inspection must be carried out by a qualified person responsible for safety measures and equipment in the user's company, in accordance with the manufacturer's periodic inspection procedures. A safety review may also be carried out by the manufacturer or its certified representative.
9. The anchoring mass can be used for 5 years. After 5 years of use, the IM 300 must undergo a thorough inspection by the manufacturer. This inspection may only be carried out by the manufacturer of the equipment or its certified representative.
10. During this inspection, the permissible service life of the beam clamp until the next manufacturer's inspection should be determined.
11. The results of these inspections should be recorded in the Usage Sheet.

12. Before each use, check that the date of the next technical inspection has not passed. After this date, the device cannot be used. Before and after each use, a visual check should be made to ensure that it is complete and in good working order of the device. The system may not be used if found faulty or incomplete in any way. If in doubt, contact the manufacturer or a service agent authorised by the manufacturer.
13. Details of the periodic review:
 - Ensure that the system has not been modified/improved by unauthorised persons;
 - Check the legibility of the markings on the product;
 - Visually inspect the complete system installation;
 - Inspect all components for deformation and dents. Ensure that they do not affect the fixing of the weights or the steel connector;
 - Inspect the steel plate and spring anchor point for deformation and cracks;
 - Check for signs of cracks on metal components;
 - Check all bolts. Make sure they are properly tightened;
 - Check for corrosion;
 - Inspect the weights for deformation, cracks or mechanical damage. Inspect the rubber pocket of the weight for mechanical damage.
14. For safety reasons, if there is any doubt about the conditions for safe use of the device or if the device has been involved in a fall arrest, it must be taken out of service immediately. The device may not be put back into service until an authorised person has issued written confirmation that the system is in proper working order.
15. It is prohibited for unauthorised persons to modify, repair or replace original system components.
16. The IM 300 anchoring mass can be used as a fall arrest system with retractable type fall arresters (EN360), energy absorbers (EN355) and guided type fall arresters (EN353-2) manufactured by PROTEKT.
17. Users planning to combine the IM 300 with retractable type fall arresters or energy absorbers from other manufacturers must check all potential risks, as these components have not been tested as a complete fall protection system.
18. Combining any fall protection personal protective equipment with IM 300 requires the user to check all recommendations and requirements specified by the PPE manufacturer.
19. It is imperative to check the clearance under the workstation to avoid hitting objects or a lower plane during a fall, before the protective equipment stops the fall.
20. When using the IM 300 anchoring mass, special attention must be paid to dangerous phenomena affecting the operation of the PPE or safety of the user, in particular: looping and sliding of ropes on sharp edges, swinging falls, electricity, exposure to extreme temperatures, damage to the equipment, adverse effects of climatic factors, exposure to chemicals, pollution.
21. The device must not be used in explosive environments.
22. The device must be transported in packaging (e.g.: a bag made of moisture-resistant material or a box made of steel or plastic) to protect it from moisture and damage.
23. To avoid damage to the materials (raw materials) from which it is made, the unit must be thoroughly cleaned. The device can be cleaned by hand. Plastic and rubber parts should only be cleaned with water. Components that get wet during cleaning or use should be thoroughly dried under natural conditions, away from heat sources. Metal components and mechanisms (springs, hinges, catches, etc.) can be lubricated periodically to improve their operation and durability.
24. The device should be stored in loose packaging in a well-ventilated room, protected from direct sunlight, UV radiation, dust, sharp objects, extreme temperatures and corrosive substances.
25. For the safety of the user, if the appliance is resold outside the relevant country of destination, the reseller will provide the user with the instructions for use in the language of the country in which the appliance will be used.

USAGE SHEET					
Device name	Anchor mass			Type:	IM300
Serial number		Date of production		Purchase date	
Date of first commissioning		Username			

INSPECTION AND REPAIR REGISTER					
	Date	Reason for inspection or repair	Damage found, repairs, etc.	Date of next inspection	Name and signature of the operator
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					

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 Declaration of conformity is available at www.protekt.pl

The notified body responsible for issuing the EU type-examination certificate in accordance with Regulation 2016/425: EU-Cert Sp. z o. o. (No. 2984), ul. Karola Szymanowskiego 12/U6, 80- 280 Gdańsk, Poland

Production control notified body: Apave (n°0082) - 6 Rue du Général Audran - 92412 COURBEVOIE cedex – France