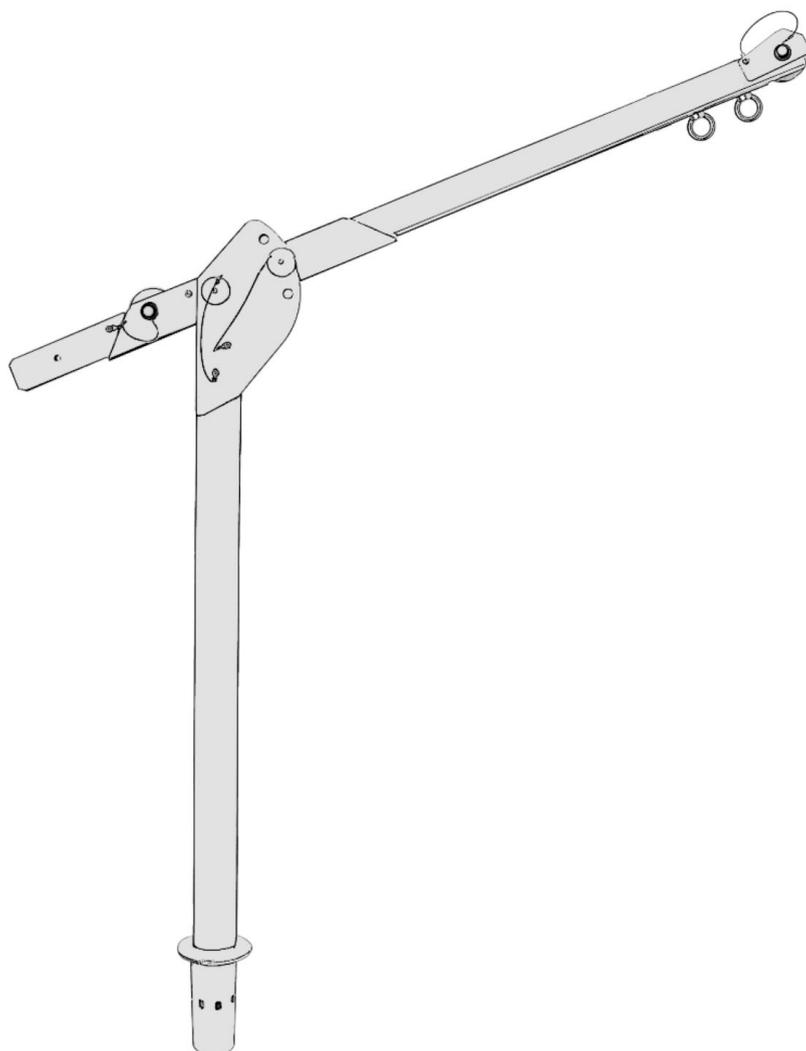


KRATOS - MULTISAFEWAY INSTRUCTIONS



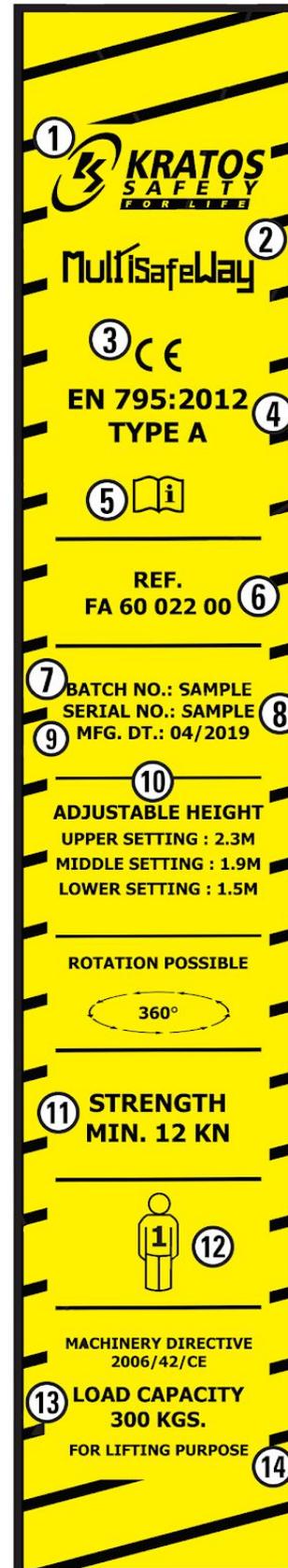
MultisafeWay



For your safety, comply strictly with the instructions for use, verification, maintenance and storage. George Taylor & Co. cannot be held liable for any direct or indirect accident occurring as a result of use other than provided for in this notice; do not use this equipment beyond its capabilities!

LABELLING

1. Manufacturers name
2. Name of product
3. Indication of conformity with the directive
4. The number of the standard to which the product conforms
5. Read the instructions before use
6. The product reference
7. The bath number
8. The individual serial number
9. Date of manufacture
10. Adjustable height from : to
11. Strength (kN)
12. Device shall be for the use of one user
13. Load capacity for the product
14. For lifting purpose



USE AND PRECAUTIONS

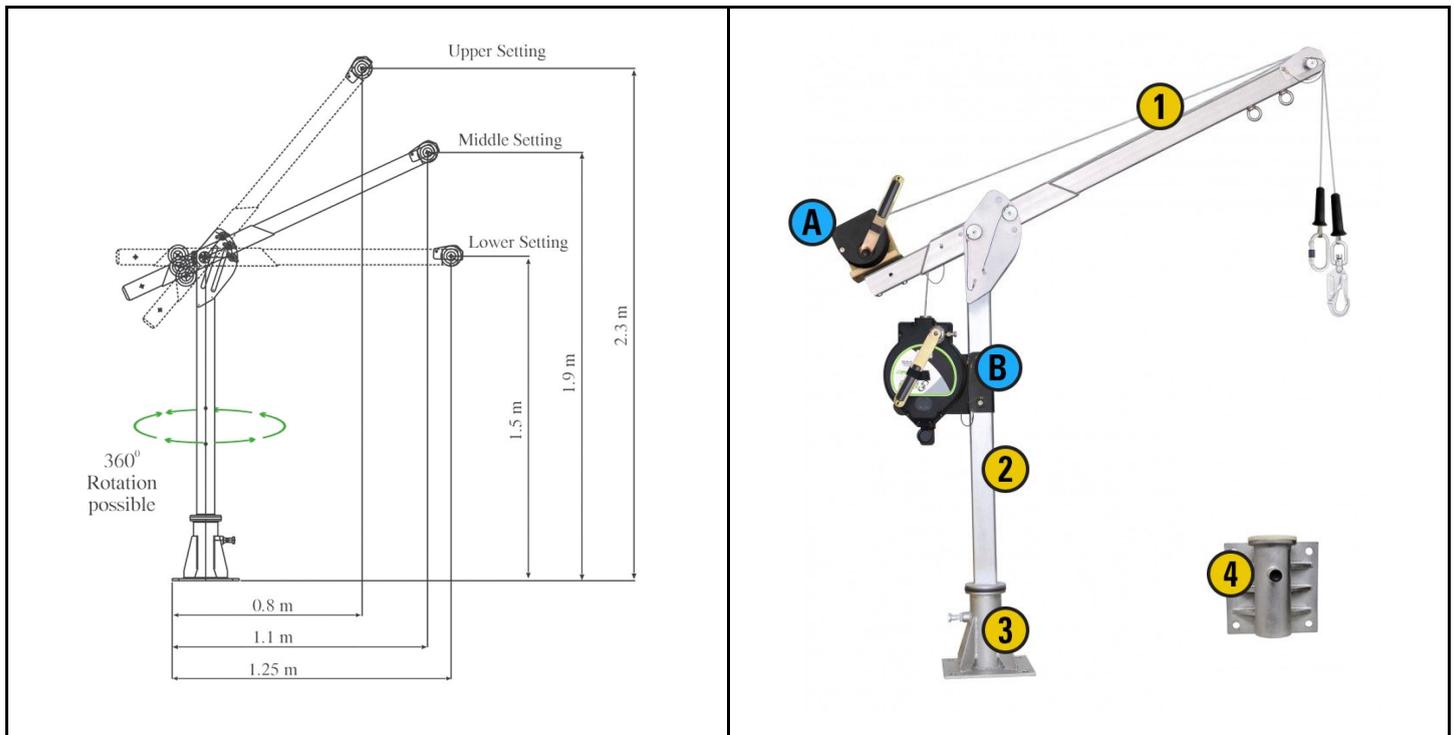
The MULTISAFEWAY is an anchorage point; it complies with standard EN 795:2012 Type A; the mounting brackets (FA 60 022 01 and FA 60 022 02) must be fixed in/on a structure, whereas the lifting arm and the davit mast can be temporarily installed.

The lifting arm and the davit mast are transportable and can be mounted on different adaptation plates. The MULTISAFEWAY can only be used by one person at a time, and is intended to be used to access confined spaces: tanks, silos, sewers, wells, etc., or when working on facades.

The "MULTISAFEWAY anchor" comprises a combination of at least three components: lifting arm + davit mast + mounting bracket. It can be fitted with optional mounting brackets. Each component is described below. It is imperative that **ONLY ELEMENTS MADE BY KRATOS SAFETY ARE USED.**

Ref	Description
FA 60 022 00	Lifting arm + Davit mast
FA 60 022 01	Ground mounting bracket
FA 60 022 02	Wall mounting bracket

MULTISAFEWAY also complies with Machinery Directive 2006/42/EC for lifting a maximum weight of 300 kg. All the elements (pulleys, covers, safety pins, etc.) cannot be lost.



MULTISAFEWAY'S VARIOUS COMPONENTS

The lifting arm (1)

The lifting arm has two anchoring rings on its far end that are for attaching an EN363 fall arrest system (retractable fall arrester or sliding fall arrester on flexible anchor line, etc.) and a hanging/rope access work system. The end of the lifting arm is equipped with two end pulleys for cable passages, protected by a cover. The other end of the arm can be fitted with an EN1496 Class A rescue lifting device [winch type – ref. FA 60 003 00 (20 m) or FA 60 023 00 (30 m)].

MULTISAFEWAY comes with the fasteners (screws with nuts) for mounting the winch on the lifting arm. Lastly, the lifting arm is equipped with a return pulley located at the axis. The lifting arm is indexable, and can be used in 3 positions (high, middle, low).

The davit mast (2)

The mast can be fitted with an adapter plate [ref. FA60 022 03 or FA60 022 04], needed for installation of a retractable fall arrester with a built-in EN1496 Class B rescue lifting device [ref. FA20 401 20 (20 m) or FA20 401 30 (30 m)].

The ground mounting bracket (3)

This fixture supports the davit mast, and is mounted onto a surface that is perfectly level. The assembly must be perfectly stable.

The wall mounting bracket (4)

This fixture supports the davit mast, and is mounted onto a surface that is perfectly vertical. The assembly must be perfectly stable. Both of the mounting brackets are equipped with an indexing pin (button) that enables the davit to rotate 360 degrees.

The davit must be immobilised in a fixed position when in use. The davit (lifting arm + mast) can be transported and used in different sites; however, the mounting brackets (wall or floor) must be permanently affixed to a receiving structure.

INSTALLATION

The receiving structure must be able to withstand stresses equivalent to 22.1 MPa or 22.1N/mm . The fasteners/structural anchors must be strong enough to handle this strain. They must be stainless steel, size M16, class 8.8 (minimum). Using the nature of the receiving structure and the site's configuration, an engineer must run calculations to determine that the sizing of the structural anchors (length), the type of fixture (chemical or mechanical fasteners, etc.), the position of the structural anchors, and thus of the mounting bracket, are all correct.

Once the mounting bracket has been installed: pull the indexing pin on the plate and rotate 90°, install the davit mast, and push the indexing pin back in. Install the lifting arm by first inserting the safety pin in line with the davit mast. Choose a position for the lifting arm (high, middle, low) as shown in the diagram in Fig. 1, then insert the second safety pin. The davit is ready for use.

- If you install a winch (A) [ref. FA60 003 00 (20 m) or FA60 023 00 (30 m)]: use the fasteners provided for this purpose (M12x105 + nylon ring nut), unroll the cable to the end of the lifting arm, remove the safety pin and lift the cover, then carefully thread the cable through the end pulley, close the cover, and insert the safety pin.

- If you install a winch (A) [ref. FA60 003 00 (20 m) or FA60 023 00 (30 m)]: use the fasteners provided for this purpose (M12x105 + nylon ring nut), unroll the cable to the end of the lifting arm, remove the safety pin and lift the cover, then carefully thread the cable through the end pulley, close the cover, and insert the safety pin.

Warning! Pay particular attention to properly installing the safety pins, and, if applicable, the pins used to mount the adaptation plate. If applicable, make sure that the winch is properly mounted.

Warning! When in use, if another person stays near the davit arm (in the event that a rescue operation becomes necessary), this spotter must ensure that he/she is not in situation that presents a fall risk.

Before first use: We recommend that the installation be visually inspected by a suitable person who can carry out the "reception" of this installation. This person must check, among other things: suitability of the structural anchors and the receiving structure, the installation plan relative to the job to be performed, cross-compatibility between the products (mounting bracket, adaptation plate and fall arrest system installed on this anchor).

- Connections between the anchorage points and the fall arrest system or rescue system, affixed above, must be made using a connector (EN362).
- A MULTISAFEWAY is an individual anchorage point; we recommend that it be allocated to a single user (however, another person is needed in the event of rescue lifting operations).
- User safety relies on the effectiveness of the equipment and full understanding of the safety instructions contained in this leaflet.
- The readability of the product's markings must be checked regularly.
- The MULTISAFEWAY must be used so that the anchoring point be positioned above the user (minimum resistance 12 kN).
- Ensure that the general setup limits swinging in the event of a fall (the user should be plumb with the lifting arm as much as possible), and that the work is performed in such a way as to limit the risk and height of a fall.
- It is important to check the free space under the user's feet depending on the system used.
- Before and during use, we recommend that you make the necessary arrangements for a safe rescue, should this be required.
- If a motionless victim remains suspended in a harness for more than 20 minutes, serious, potentially life-threatening, consequences can result (harness hang syndrome).
- Be aware of the hazards that could reduce the performance of your equipment, and therefore the safety of the user, in the case of exposure to extreme temperatures (<-30°C or >+50°C), prolonged exposure to the elements (UV rays, humidity), to chemical products, electrical constraints, if the fall protection system becomes twisted when in use, or in the case of sharp edges, friction, cuts, etc.
- This equipment must only be used by trained, competent and healthy persons, or under the supervision of a trained and competent person.

Warning!

Certain medical conditions may affect user safety; if in doubt, consult your doctor.

Before each use, check:

- The 360° rotation of the davit mast in the mounting brackets.
- The articulation of the lifting arm
- The tubes (no deformation, no traces of oxidation)
- The indexing pin.
- The safety pins (no deformation or traces of corrosion).
- The anchoring rings must be properly affixed, and must be free of deformation and wear.

- The pulleys must be in good condition, turn freely, and be free of deformities (e.g., sharp edges).
- Also, check that the mounting bracket is properly affixed to the receiving structure (floor or wall), and make sure this structure is in good condition, free of deformation and corrosion.

Refer to the inspection recommendations for each system used in combination with the MULTISAFEWAY.

Do not remove, add or replace any component of the product.

Chemical products

Do not use the device in the event of contact with chemical products, solvents or fuels that could affect its operation.

TECHNICAL SPECIFICATIONS

Lifting arm and davit mast of the MULTISAFEWAY: Stainless Steel / Accessories for mounting Winch: Stainless Steel.

Kratos Safety certifies that MULTISAFEWAY has been tested in accordance with standard EN 795:2012 Type A.

COMPATIBILITY FOR USE

The harness must be used as part of a fall arrest system as defined in the product data sheet (EN363) with the goal of guaranteeing that the dynamic force exerted on the user during the arrest of a fall is no greater than 6 kN. A fall arrest harness (EN361) is the only body-gripping device that may be used. It may be dangerous to create one's own fall arrest system where each safety function can interfere with another safety function. Therefore, it is important to read the recommendations on using each component in the system before use.

INSPECTION

The recommended service life of this product is 10 years (in accordance with the annual examination by a competent person authorised by KRATOS SAFETY), but it may be increased or reduced according to use and/or the results of the annual inspections. The equipment should be inspected if there is any doubt, or following a fall, and at least annually, by the manufacturer or a competent person authorised by the manufacturer to check its strength and therefore the user's safety. The product data sheet should be completed (in writing) after each verification. The date of inspection and date of the next inspection must be indicated on the data sheet. It is also recommended to put the date of the next inspection on the product.

MAINTENANCE AND STORAGE

(These instructions must be strictly observed)

During transportation, keep the equipment away from any cutting edges and in its packaging. Clean with water, wipe with a cloth and store in a ventilated room to dry naturally, ensuring that it is away from any direct light or source of heat; the same applies for elements that may have gotten wet during use. The system must be stored in its packaging in a cool, dry, and ventilated room.

