



UNIVERSAL TRIPOD BRACKET

UTB Ref.: AT017-300

EN 795:2012/B

TS 16415:2013/B

EN

EN - NOTE: Before use of this device please read and understand this instruction manual.

GENERAL DESCRIPTION

Universal tripod bracket is an anchor point compliant with EN 795, EN 1496 and TS 16415, and can be used as a component of fall protection equipment. Universal tripod bracket UTB enables installation of material and rescue winches on material and personnel tripods in accordance with Table 1.

Universal tripod bracket UTB comprises two galvanized steel sheet metals. One of them (base) has a special socket for winch attachment and 3 rows of holes for cover mounting. The other (cover) can be attached with bent teeth in one of three rows of holes in the base (depending on leg profile). The bracket is clamped on a leg using adjustable handle passing through hole in the cover and screwed in rivet nut mounted to the base. All components of the bracket are connected by cables which prevents loss of any component. Universal tripod bracket UTB can be installed in any point of outer leg. To prevent self-acting shifting of the bracket along the leg during work under load, it is recommended to use one of two available cables connecting tray cover to tripod foot. Cables vary in length (one for tripod TM9, and the other for TM13/TM15).

Figure 1 – Device overview

Figure 3 – Overall dimensions of device

LOAD LIMIT AND STRENGTH

a) GENERAL INFORMATION

Minimum Breaking Strength (MBS): 21kN.

The device can be loaded with force along the leg to which the bracket is mounted, with the sense matching direction of cable exit from the winch.

Maximum load that could be transmitted in service from the device to a permanent structure – 10 kN.

If the device is used as a part of a fall arrest system, the user must be equipped with an element limiting maximum dynamic forces applied on user while arresting a fall to max. 6kN.

b) FOR MATERIAL WINCHES

Working Load Limit (WLL): 1000kg Safety Factor (SF): 2,1:1.

c) FOR RESCUE WINCHES (PPE)

Working Load Limit (WLL): 200kg Safety Factor (SF): 10:1.

Work load of rescue device used cannot be greater than 200kg.

Figure 2 – Permissible load direction

TRANSPORT AND WEIGHT

Weight of complete device: 2.25kg.

Personal fall protection equipment must be transported in a package (e.g.: bag made of moisture-proof textile or foil bag or cases made of steel or plastic) to protect it against damage or moisture.

MAINTENANCE AND STORAGE

Personal protective equipment should be cleaned without causing adverse effect on the materials used in the manufacture of the equipment. For textile materials (webbings, ropes) use agents suitable for delicate fabrics. Can be washed in hands or in a washing machine. Rinse thoroughly. Wash textile elements with water only. When the equipment becomes wet, either from being in use or after cleaning, allow it to dry naturally, and keep it away from sources of heat. In metallic products lubricate slightly some mechanical parts (springs, hinges, pawls, etc.) regularly to ensure their better operation. Personal fall protection equipment should be stored loosely packed in well-ventilated rooms, protected from direct light, UV degradation, dust, sharp edges, extreme temperatures and aggressive chemical substances.

MARKING

Marking elements:

- a) Name/ type of device
- b) Reference number
- c) Serial number of device
- d) Month and year of manufacture
- e) CE mark and number of notified body which supervises the production of the equipment
- f) Number/year/class of European standard
- g) Maximum number of simultaneous users
- h) Maximum user's weight
- i) Note: read instruction manual
- j) Material device
- k) Working Load Limit and Minimum Breaking Strength
- l) Marking of manufacturer or distributor of device
- m) Inspection sticker

Figure 5 - Location of markings

INSTALLATION OF UTB ON TRIPOD LEG

Universal tripod bracket UTB can be installed on tripods. Depending on leg size on the tripod, pre-attach the cover to the base in one of three positions.

a) Select adequate position of the cover against the base of the bracket UTB:

A- TM6 / TM12 / TM12-2 / TM13

B- TM15

C- TM1 / TM9 / TM9-W

Figure 6 - Positions of installation of cover against base

b) Mount the bracket on tripod leg.

c) Pre-clamp the bracket using adjustable handle.

d) Install cable limiting the bracket shifting along the leg between the bracket cover and the tripod leg. The cable is available in two lengths (1.0 m for tripod TM9 and 1.25 m for tripod TM13/TM15).

Installation of cable is required when working with load greater than 200kg. For rescue devices (up to 200kg), after appropriate clamping of the bracket on the leg, the bracket should not move and no cable is needed.

e) Tighten the cable connecting the bracket to foot and clamp the bracket securely on the leg.

INSTALLATION OF RUP WINCHES

The following RUP winches can be installed directly on universal tripod bracket UTB: RUP502-U, RUP503-U, RUP504, RUP505-U, RUP506.

The below winches are equipped with UTB fixed connector (ref. AT017-330), that fits the socket in the bracket UTB. Correct installation of RUP winches is shown for RUP506 winch.

Figure 8 - UTB connector fixed on winches

UTB connector is equipped with a hook and opening for installation of pin which is provided in the bracket UTB.

a) Mount the winch in the bracket UTB so the hook is attached on the lower pin of the bracket.

b) Remove the mounting pin while pressing the red button.

c) Push the winch with the connector to the bracket and secure the connection with pin. Push the pin to the end. Fins on the end of the pin protect the pin from accidental removal.

ESSENTIAL PRINCIPLES FOR USE OF PERSONAL FALL PROTECTION EQUIPMENT

personal fall protection equipment should be used only by personnel trained in its use.

personal fall protection equipment must not be used by a person with medical condition that could affect the safety of the equipment user in normal and emergency use.

develop a rescue plan to be implemented during operation whenever necessary,

being suspended in personal fall protection equipment (e.g. after arresting a fall) please note symptoms of suspension trauma.

to avoid negative effects of suspension make sure a corresponding rescue action plan is prepared. It is recommended to use support tapes.

it is forbidden to make any alterations or additions to the equipment without prior written consent given by the manufacturer. any repair shall only be carried out by manufacturer of the equipment or his certified representative.

personal fall protection equipment shall not be used for any purpose other than intended.

personal fall protection equipment provides individual protection and shall be used by one person only.

before each use make sure that all parts of fall protection system cooperate correctly. Periodically examine connections and fitting of components of the equipment to prevent any accidental loosening or disconnection.

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