

INSTRUCTION FOR USE

The anchor devices BOLT HANGER are complying to the European Standard EN 795:2012 type A, and according to sheet CEN/TS 16415:2013 type A.

This product is reserved exclusively for the connection of personal protective equipment (PPE) against fall from height and not for lifting equipment.

Generalities:

This product is designed to provide protection against falling from a height. Before use, you should read and understand all the information contained in this document. Failure to comply with any of these warnings can result in serious or fatal injury. If there is any doubt, any problem of understanding, contact the technical department of BOLSAFE.

This instruction for use must always be available and accessible by the user. Any activity at heights is dangerous and can cause accidents, serious injury or death. Users must be aware that forces experienced during the arrest of a fall or prolonged suspension may cause bodily injury.

The equipment shall only be used by a person trained, must be physically healthy not to the influence of alcohol or drugs and be under the competent supervision.

Before and during use, the supervisors must consider about the risk of possible danger. A rescue plan needs to be established to deal with any emergencies that could arise during the work.

The equipment shall not be used outside its limitations, or for any purpose other than that for which it is intended. Any modification or any addition to the equipment cannot be made without the prior written consent of BOLSAFE.

BOLSAFE does not allow any repair that can be carried out on the product whatsoever.

If the product is re-sold outside the original country of destination the reseller shall provide instruction for use, for maintenance, for periodic examination and for repair in the language of the country in which the product is to be used.

Using and limitations:

BOLT HANGERS are intended to be used on a vertical or horizontal structure in axial direction to the ring and in overhead position by 2 people at the same time. In case of fall a load of 8kN is transmitted to the structure,

The installers will ensure that the host structure is suitable and is able to withstand a force equal to 12kN.

A full body harness EN 361, is the only acceptable body holding device in a fall arrest system. A fall arrest system shall include an energy absorbing (i.e: Energy absorber EN355, Retractable fall arrester EN360 etc...) elements or functions to ensure that the impact forces on the body of the user during the arrest of a free fall are restricted to a maximum of 6 kN.

Ensure compatibility of all other products used with the equipment when assembled into a system, that not to affect the security function of the entire system.

The user should carry out a pre-use check of the equipment, to ensure that it is in a serviceable condition and operates correctly before it is used.

Check that metal components are not rusted or mechanically distorted, the webbing should not have cuts or frays and that the stitching is not damaged anywhere.

Life-span / Discard

This equipment lifespan is not limited.

WARNING, an exceptional event can lead you to put off a product after a single use (type and intensity of use, use environment: aggressive environment, marine environment, sharp edges, extreme temperatures, chemicals, etc.).

It is essential for safety that equipment is withdraw from use immediately if:

- It has been used to arrest a fall and not used again until confirmed in writing by a competent person that it is acceptable to do
- Marking not legible.
- You don't have the periodical examination sheet.
- Any doubt arises about its condition for safe use

The anchoring device has a marking indicating the date of the next or last inspection.

Instructions for maintenance

Minor soiling, wipe the anchor device with cloth or soft brush. Do not use abrasive material. Chemicals, solvents can alter the strength of the anchoring device. Intensive cleaning, wash and rinse with clear water at temperature of 30°C using a neutral detergent.

If the equipment becomes wet, it shall be allowed to dry naturally and shall be kept away from heat.

Preferably storage in a cool dry place packed in sealed polybags away from damp environment, sharp edges, vibrations, ultraviolet rays.

It will be ensured that sufficiently packaged to prevent damage and deterioration during transportation. Using the original packing or in sealed polybag.

BOLSAFE guarantees this product against any material or manufacturing defects. Excluded from the warranty: normal wear, oxidation, modifications or repairs, poor storage, poor maintenance, damage due to accidents, negligence, uses for which this product is not intended.

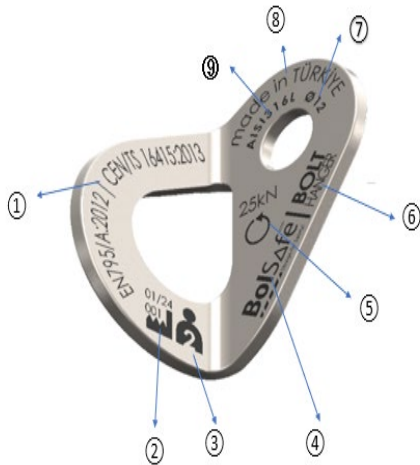
It's very important to perform regular periodic examinations, at least it once a year, as the user's safety depends on the continued efficiency and durability of the equipment. The periodic examination also includes the requirement to check the legibility of the product marking. The periodic examinations of the

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TURKEY

BOLT HANGER are only to be conducted by a competent person for periodic examination and strictly in accordance with the manufacturer's periodic examination procedures

Conformity and marking

The anchoring device comply with the relevant requirements of EN 795:2012 and TS 16415:2013 for use by 2 people. It has been tested and certify by the following accredited ISO 17025:2017 laboratory:



- ① Standards, type and parution years
- ② Manufacturing date + batch number
- ③ Number of users: 2
- ④ Manufacturer
- ⑤ Strength
- ⑥ Model
- ⑦ Diameter
- ⑧ Manufacturing address
- ⑨ Material

INSTALLATION

BOLT HANGER is always properly positioned and the work is done in such a way as to minimize the risk of falls and the height of the fall.

Check the free space under the user, so that in the event of a fall, there is no collision with the ground, no other obstacle set on the path and the risk in case of pendulum falls.

The installation of the anchor device must be carried out in accordance with the specifications of BOLSAFE Concrete:

- BOLT HANGER can be installed on concrete having strength of minimum 25Mpa.
- Fixing with M12 bolt

Metallic structure:

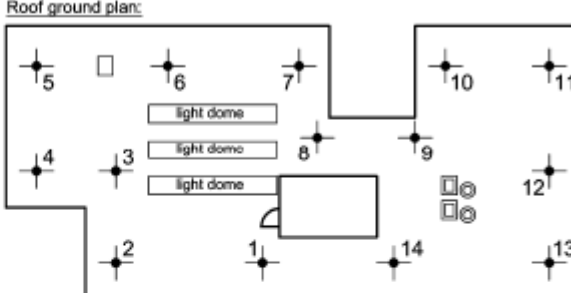
- BOLT HANGER can be installed on metallic structure with a resistance of minimum 12kN.
- Fixing with M12 bolt

The installers must ensure that the support materials in which structural anchor devices are attached are suitable.

BOLSAFE cannot be held responsible for improper installation of the anchor device.

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A schematic plan should be affixed to the building so that it is visible to all. Below an example of an implementation plan.

Schematic installation plan			
Building/Structure			
Address:		Order no.:	
Remarks:		Building type:	
		Roof shape:	
		Anchor device:	
Customer			
Name:		Contact person:	
Address:		Phone:	
Installer			
Name:		Chief installer:	
Address:		Phone:	
Anchor device			
Manufacturer:			
Model/type identification:			
Building component			
Component 1:	e.g. concrete ceiling	Minimum thickness:	e.g. 250mm
Component 2:	e.g. concrete column	Minimum thickness:	e.g. 500mm
Building matl:	e.g. reinforced concrete	Quality:	e.g. min. C25/30
Fixings/Dowels		Manufacturer:	
<input type="checkbox"/> Fixing data	Drill-hole diamt : _____ mm	Type: _____	Material: _____
<input type="checkbox"/> data not required if through fixed	Drill-hole depth : _____ mm	Min. edge distance (c): _____	Min. axial spacing (s): _____
Real situation:	Torque : _____ Nm	Min. component thickness: _____	Permissible tensile force: _____
Edge distance Cx: _____	Cy: _____	Permissible shear force: _____	
Axial spacing Sx: _____	Sy: _____		
Remarks: _____			
Drilling method:	<input type="checkbox"/> Hammer	<input type="checkbox"/> Drill-hole cleaning	Impact System <input type="checkbox"/> yes <input type="checkbox"/> no
Testing device:	<input type="checkbox"/> Rotary	<input type="checkbox"/> Fixing test device	System <input type="checkbox"/> wet <input type="checkbox"/> dry
<input type="checkbox"/> Torque controlled spanner			
CHECK LIST:			
<input type="checkbox"/> Substrate as expected (no doubt on capacity) <input type="checkbox"/> Installation complies with manufacturer's instructions <input type="checkbox"/> Recommended fixings used <input type="checkbox"/> All fixings photographed with identification number <input type="checkbox"/> Fixings exposed <input type="checkbox"/> Installation plan placed on site → <input type="checkbox"/> Screw securing by through hole fixing technology <input type="checkbox"/> Additional information: _____			
Roof ground plan: 			
Required pull-out force (kN), required torque [Nm] achieved?			
Anchor point 1 _____	Anchor point 5 _____	Anchor point 9 _____	Anchor point 13 _____
Anchor point 2 _____	Anchor point 6 _____	Anchor point 10 _____	
Anchor point 3 _____	Anchor point 7 _____	Anchor point 11 _____	
Anchor point 4 _____	Anchor point 8 _____	Anchor point 12 _____	
Additional fixings: _____			
Remarks by the chief installer: _____			
Date: _____ Signature: _____			

Check card

Identifying of the anchor device				
Manufacturer/supplier	BOLSAFE			
Product name/reference	BOLT HANGER			
Standards	EN 795 :2012 type A TS 16415 :2013 type A			
Identification numbers				
Date of purchase				
First use date				
PERIODIC EXAMINATION AND REPAIR HISTORY				
DATE	Reason for entry (periodic or repair)	Defects noted, repair carried out and other relevant information	Name and signature of competent person	Periodic examination next due date