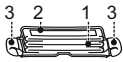




## B

## BW100



## BW100/LB101



## BW100/LB102

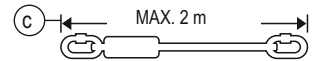


## C

a) ENERGY ABSORBER WITH LANYARD

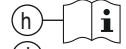
b) BW100/..... d) Data produkcji: MM/YYYY

e) Numer seryjny: XXX XXX

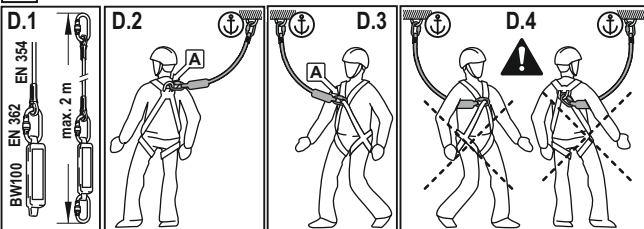


f) EN 355:2002

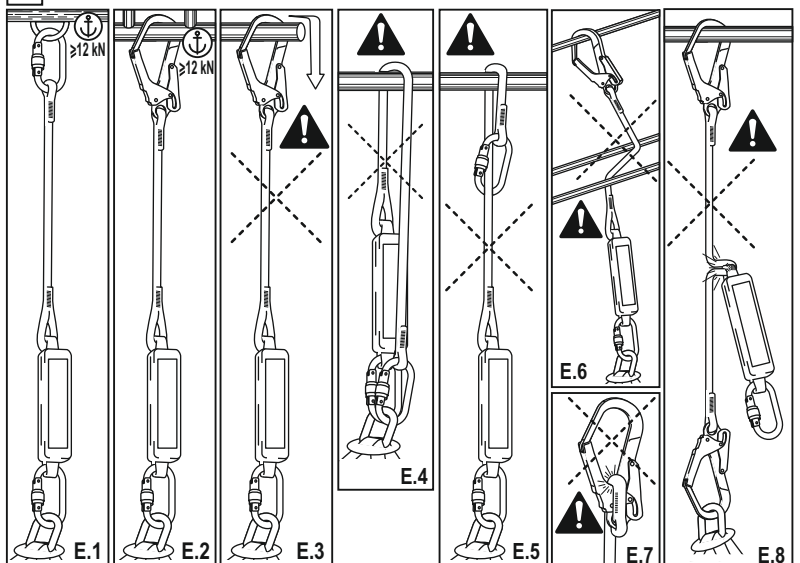
g) CE 0082



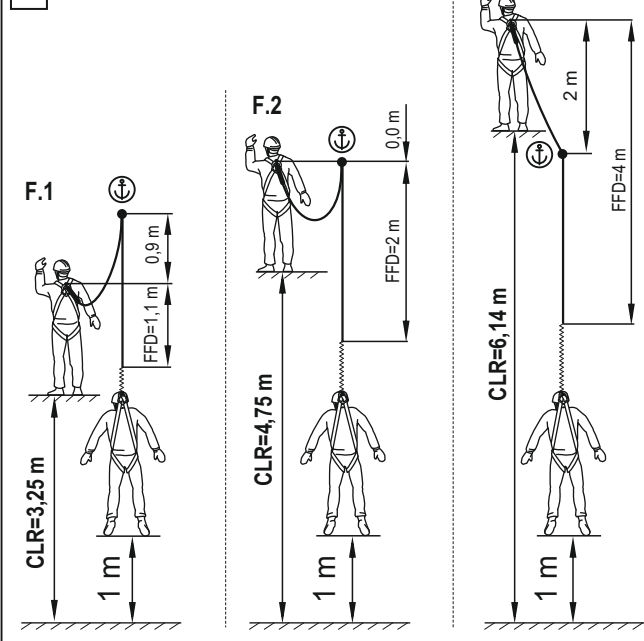
## D



## E



## F



EN – ATTENTION: Read and understand this user manual before using this equipment. Work requiring the use of this equipment is dangerous. The user is obliged to follow this manual and is responsible for the correct use of the equipment. Misuse of the equipment can lead to injury or death. If you have any problems understanding this manual, please contact the equipment manufacturer.

## A. DESCRIPTION

The energy absorber with lanyard is a personal protective equipment against falls from height. The energy absorber with lanyard is a piece of fall arrest equipment used when working at height and provides protection for one person. The energy absorber with lanyard complies with EN 355:2002 – "Personal protective equipment against falls from a height – Energy absorbers".

The energy absorber is made of polyester webbing. The energy absorber is integrated with a lanyard made of polyester rope  $\varnothing 10.5$  mm. The total maximum permitted rope length with energy absorber and attachments shall not exceed 2 m.

## B. DESCRIPTION OF COMPONENTS

1. Energy absorber
2. Marking of the model of energy absorber
3. Absorber's attachment loop
4. Safety lanyard
5. Seam
6. Safety lanyard's attachment loop
7. Adjustment buckle

## C. MEANING OF THE MARKING

- a) type of the device
- b) marking of the model of energy absorber
- c) the maximum length of the energy absorber with lanyard and connectors
- d) month/year of the device manufacture
- e) the serial number
- f) number: year of the European standard
- g) CE marking and the registration number of the notified body responsible for the device production process

control

- h) note: read and understand the instructions manual before use
- i) the permissible mass of the user
- i) marking of the manufacturer or distributor

## D. ATTACHING THE ENERGY ABSORBER TO THE FULL BODY HARNESS

If the energy absorber is not integrated with the lanyard, it must be connected to the EN 354-compliant rope using a connector complying with EN 362. The maximum length of the shock-absorber with a rope, terminations and connectors must not exceed 2 m (D.1). The energy absorber must be connected by means of a connector to the rear (D.2) or front (D.3) attachment point of the full body harness. Only use the points (buckles, loops) marked with a capital A. The full body harness must comply with EN 361. Connectors used with an energy absorber with rope must comply with EN 362. An absorber with a rope should be attached to the full body harness in such a way that in the event of a fall the person being secured is not injured (D.4).

## E. CONNECTING THE ENERGY ABSORBER TO THE ANCHOR POINT

The energy absorber rope must be connected by means of certified EN 362 connectors to an EN 795 compliant anchorage point with a minimum strength of 12 kN (E.1, E.2). The anchor point shape and design shall ensure that PFAE is permanently connected and cannot accidentally detach (E.3). Do not tie the rope by wrapping it around an anchor point (E.4) or by wrapping the rope in the form of a clamping loop (E.5). The rope must not be allowed to intertwine between the various components of the structure (E.6). Note the incorrect position of the rope inside the connector (E.7). On shock absorbers with a double rope, do not connect one lanyard to the user's harness and the other cable to the anchor point (E.8). Do not attach the free end of the double rope connected to the energy absorber back to the full body harness (E.9). Do not attach two energy absorbers to the harness in parallel with a rope (E.10) Moving horizontally in relation to the anchor point involves the risk of hitting obstacles during a swing fall (E.11), as well as the risk of falling over an edge (E.12).

## F. MINIMUM REQUIRED DISTANCE BELOW THE USER FEET

When using an energy absorber with a rope, the required minimum distance below the user's feet (CLR) must be ensured to avoid collision with the structure or the ground during fall arrest. The necessary minimum free distance (FFD) during fall arrest and is respectively:

