

8 - SPECIFIC INFORMATION

Master text

Category III Personal Protective Equipment **802.100 "BACK-UP"** is:

- a guided self-locking fall-arrester device, which accompanies the user and locks on the anchor line in case of a fall (in FREE MODE);
- a length adjustment device used to connect a body holding device to an anchor point, or to a structure by encircling it, as a means of support for work positioning (in LOCK MODE);
- a rope adjustment device, which accompanies the user during changes of position and/or allows adjustment of the safety line, and which locks automatically to the safety line under static or dynamic loading (in FREE MODE);
- a working line ascender device, which, locks under load in the downward direction and slides freely in the opposite direction (in LOCK MODE);
- part of a system of protection and/or prevention of the impact created by falls from a height;
- certified according to standards EN 353-2002, EN 358:1999, EN 12841:2006 type A and B.

Fig. 1 - TRANSFORMER - Select the function mode before inserting the device on the rope, according to the intended purpose:

- "FREE MODE": allow free movement in both directions;
- "LOCK MODE": allow free movement in one direction only.

The selection between "FREE MODE" and "LOCK MODE" is made by moving the lever (B) fitted with a locking button:

- push down the button;
- move the lever (B) to the desired position;
- check that the button returns in position and locks the lever (B).

Fig. 2 - Attachment - With the device in front of you choose function mode as above, and then:

- open the device by rotating anti-clockwise the revolving plate (D);
- insert the line in the locking mechanism (A);
- close the device by rotating clockwise the revolving plate (D);
- insert the connector (C) into the eyelet (E);
- attach the connector (C) to the lanyard or directly to the harness.

If there are interruptions or intermediate anchor points in the lines at which this device is connected, or if working near the end of the lines, do not place a simple lanyard between device and harness: must be used only a lanyard fitted with a shock absorber in compliance with EN355.

Fig. 3 - High ground - The device must be kept equal to or above the height of the harness attachment point so that a potential fall will always be less than 0,5m.

Fig. 4 - Examples of correct use.

Fig. 5 - Examples of wrong and dangerous use.

Fig. 6 - Clearance - Always check beforehand the necessary minimum clearance below the user so that in case of a fall there would be no collision of the user with the ground or other obstacle.

Compatibility - This device has been designed to be used with:

- the following connectors series attached directly to the eyelet (E) 412 OVALONE, 414 OVALONE DNA, 512 OVALONE SS (both the versions CE only or the version CE and ANSI are suitable);
- with $\varnothing 10\text{mm}$, $\varnothing 11\text{mm}$, $\varnothing 12\text{mm}$ STATIC ROPE LANYARD, in FREE MODE and according to EN 353-2;

- with $\varnothing 10\text{mm}$, $\varnothing 11\text{mm}$, $\varnothing 12\text{mm}$ STATIC ROPE LANYARD, in LOCK MODE and according to EN 358;

- with EN1891 ropes diameter between $\varnothing 10\text{mm}$ and $\varnothing 12\text{mm}$, in FREE MODE and according to EN 12841 type A;
- with EN1891 ropes diameter between $\varnothing 10\text{mm}$ and $\varnothing 12\text{mm}$, in LOCK MODE and according to EN 12841 type B.

This device may also be used with EN1891 ropes of the diameters indicated, and must be used only with the connector series indicated. To attach this device directly to the harness, it is strongly advised to use the twisted connector 414 OVALONE DNA.

Check before and after use - Before and after use, make sure that the device is in an efficient condition and that it is working properly, in particular, check that:

- it is suitable for the intended use;
- has not been mechanically deformed;
- does not show cracks, wear, corrosion and oxidation;
- the mechanism (A) works correctly;
- the lever (B) is working as described;
- the connector (C) is working correctly, in particular check the gate and the gate locking device;
- the points where the rope passes through are free from mud, sand, etc. and that there are no lubricant substances;
- the ropes do not show any signs of damaged threads, stiffening, variations of diameter, cuts, wear or seams coming apart.

It is recommended to periodically clean and lubricate mobile parts (B and C) with a moderate amount of silicon-based oil.

Before use and in a position that is completely safe, on each occasion check that the device holds correctly by putting your weight on it.

Important:

- make sure that the line between anchor point and user is not loose;
- while in use, do not manipulate the device and do not hold the fall arrester body or eyelet;
- when this device is attached to the working line always attach to a fall-arrester device conforming to standards EN 12841 type A and/or EN 353 attached to a safety line;
- when used as a fall arrester,;
 - this device performances:
 - are greatly influenced by the lanyard connected;
 - are greatly reduced (up to be nullified) by humidity, snow, ice, mud, dirt, lubricants, etc.;
 - may differ from the performances specified in the standards when connected with types of ropes different from what specified.

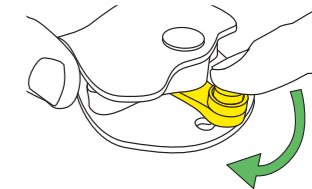
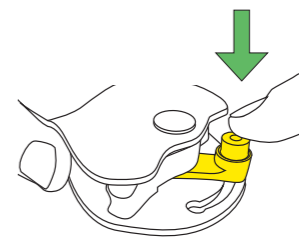
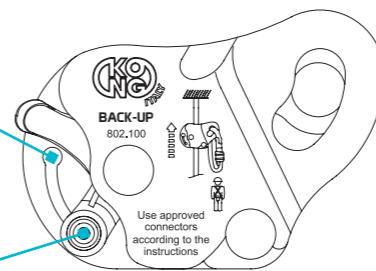
Warning:

- do not connect the device to the lifeline in any other way;
- the device blocks if the load is applied to the connector only, therefore never load it in any other way because it will slide along the line;
- it is essential to always make a knot at the free end of the rope and keep it constantly under control, to prevent the accidental release of the device;
- do not connect the device to:
 - more than one user;
 - more than one line.

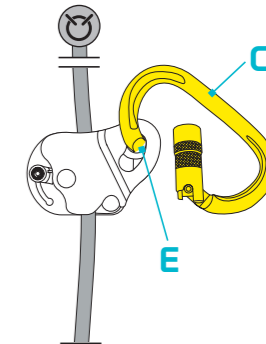
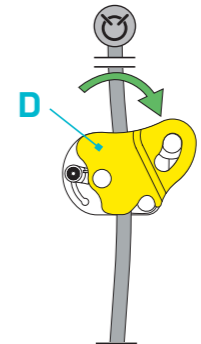
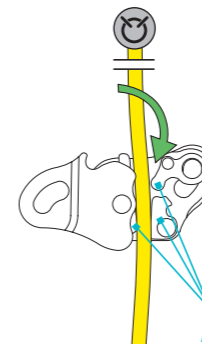
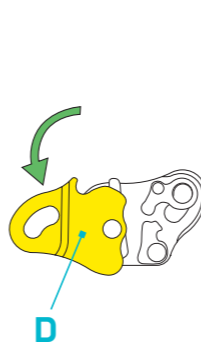
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FREE MODE

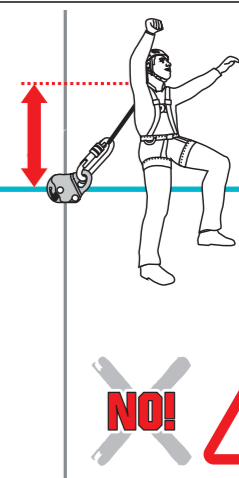
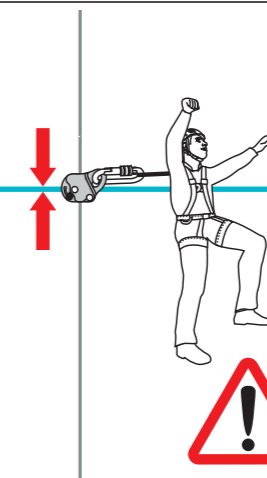
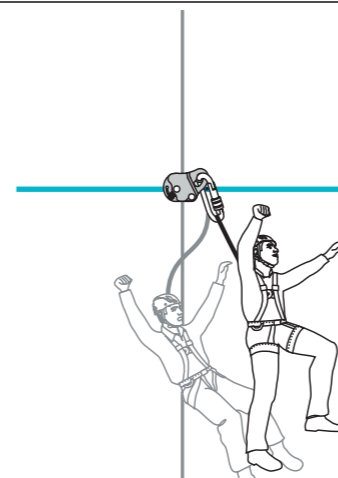
LOCK MODE



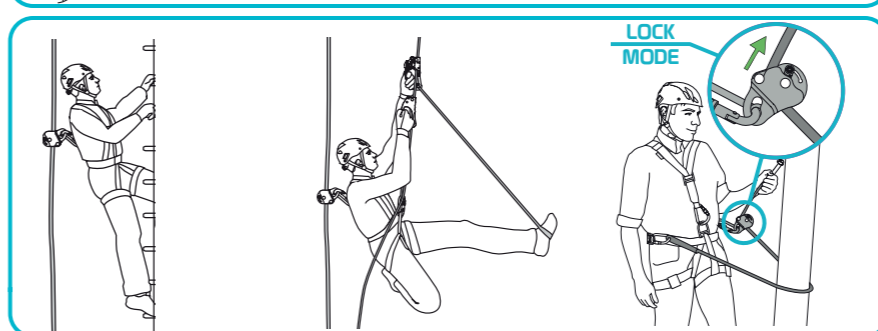
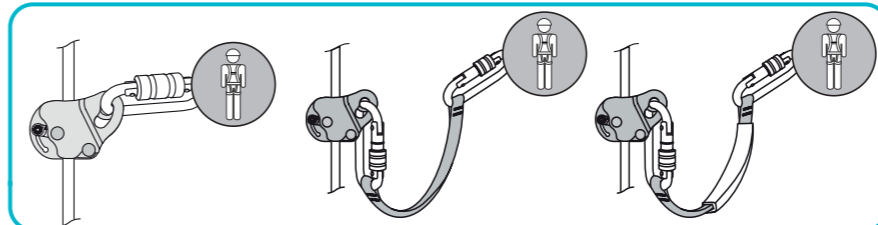
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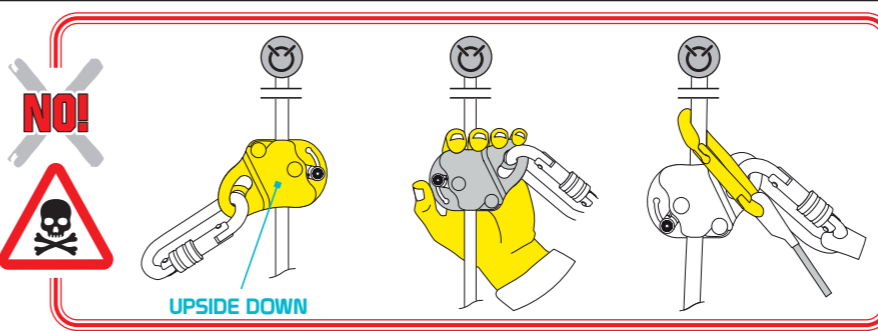
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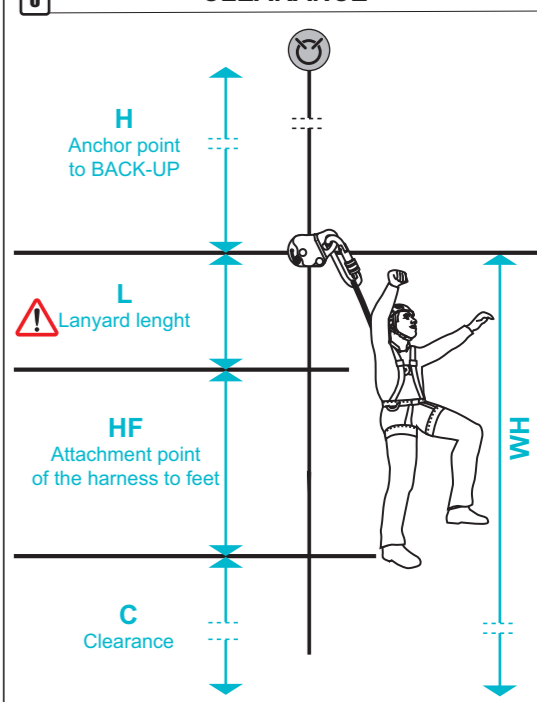


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CLEARANCE



$$C = (H \times 8\%) + S + 1 \text{ (in m)}$$

H x 8% = Rope stretch S = Slippage = max 1,2 m

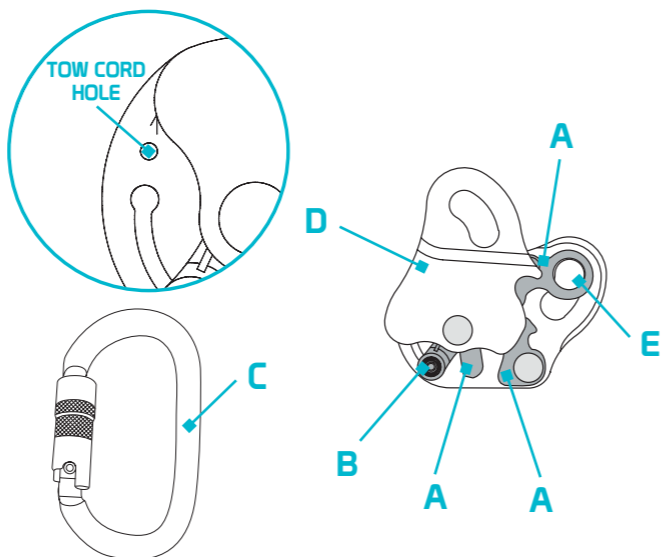
$$WH = L + HF + C$$

In case of a shock absorbing lanyard take in account the possible full deployment!



ZZV05630 rev. 1

NOMENCLATURE • NOMENCLATURA



EN: (A) Locking mechanism - (B) Selection lever - (C) Connector - (D) Revolving plate - (E) Connection eyelet.
Main materials: aluminium alloy.

IT: (A) Meccanismo di blocco - (B) Leva di selezione - (C) Connettore - (D) Piastra rotante - (E) Asola di connessione.
Materiali principali: lega di alluminio.

FR: (A) Mécanisme de verrouillage - (B) Levier de sélection - (C) Connecteur - (D) Plaque tournante - (E) Œillet de connexion.
Matériau principal : alliage d'aluminium.

DE: (A) Verriegelungsmechanismus - (B) Auswahlhebel - (C) Anschluss - (D) Drehplatte - (E) Verbindungsöse.
Hauptmaterial: Aluminiumlegierung.

ES: (A) Mecanismo de bloqueo - (B) Palanca de selección - (C) Conector - (D) Placa giratoria - (E) Ojal de conexión.
Material principal: aleación de aluminio.

NOMENCLATURE • TERMINOLOGIE • NOMBRES

