

# D35 EGO

## single bobbin descender



CE0120  
EN12841:2006(C)

Manufactured by:  
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Type approval:  
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### USER INSTRUCTIONS

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#### Description

The Ego is a descent device designed specifically for rope access use

- Descending
- Ascending
- Progress capture

Working load of 200kg.

For use on EN1891 kernmantel rope (Ø10.5 to 11mm).

The Ego has been tested on 10.5 and 11mm Tectra rope.

Ego has a progressive double-braking mechanism meaning it will brake if the handle is either released or pulled too hard in panic.

Ego can be used on a rope at any angle.

Ego has additional protection against backwards threading.

#### Before Each Use

Check condition and operation of device. Refer to notes on reverse for more information.

Ensure that the handle, gate, cam and top plate are all free to move smoothly over their full range and that spring-loaded elements return fully.

Confirm braking and descending functions under operational load in a location where there is no fall risk.

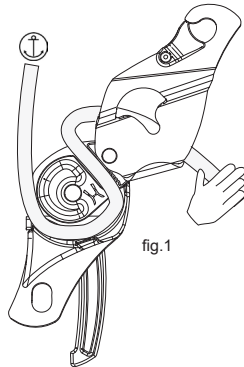
Confirm haul catch is not engaged and is free to move.

#### Attachment

For ascending or descending attach Ego to central waist attachment point on harness with a suitable locking connector.

#### Threading (fig.1)

To thread the Ego put the handle in the locked position, open the front plate (this can be done without removing the connector by opening the catch), take rope and feed round the cam in an anticlockwise direction so that the tail rope exits the top right of the device, then close the front plate. Ensure the catch snaps shut over the karabiner.



#### Removing rope

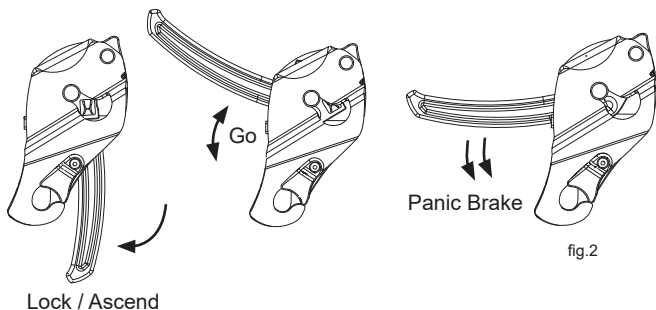
To remove the rope put the handle in the lock position, open the catch and swinging the front plate open. (The karabiner can stay attached to the harness and device to prevent dropping). Unthread the rope by taking the tail end and removing it from the device, clockwise round the cam.

#### Handle Positions (fig.2)

**To Lock / Ascend or thread:** Rotate fully clockwise until it clicks in to the lock position.

**To Descend:** rotate anti clockwise until the cam is engaged then slowly apply anticlockwise pressure to reach the desired speed of descent.

**Panic Brake:** if the handle is pulled anticlockwise to hard the device will slow down again as the second brake pinches the rope.



#### Descending

To descend, first take in any slack by pulling in on the tail rope. Hold the tail rope and unlock the device by rotating the handle in an anti clockwise rotation until resistance from the cam is felt.

To release cam and start the descent, pull gently until the desired speed is reached. If the handle is pulled too far the device's second brake will engage to prevent an out of control descent by slowing the device.

The second brake is progressive so the more it is pulled the more it will engage enabling the user to find a sweet spot in the go position easily even on slopes.

**2 person descent** - To start the descent a strong pull on the handle and a firm grip on the tail rope will be required. Once moving, the forces are reduced. Always descend slowly and carefully and practice this technique in a controlled environment.

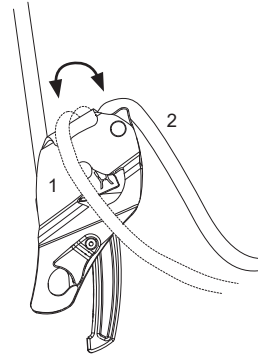


fig.3

#### Tail rope positions (fig.3)

Always hold the tail rope when descending.

The Ego tail rope can be held in two positions.

1) over the front plate for ease on short descents.

2) in line using the rope path over the brake block to prevent rope twists on longer descents. Stainless friction surface reduces wear on the device.

#### Ascending

To ascend, put the handle in to the locked / ascend position. Attach an ascender with a foot loop above the device on the same rope. Stand up in the foot loop and as slack develops in the main line pull it through the device.

**Note: If the handle is tripped and the second brake engages adjust technique so that the rope is pulled through the device as it is off-weighted, this will allow a more efficient ascent.**

In certain situations e.g. When the rope condition is muddy or the device is being used on a slope, the haul catch may be used to ascend.

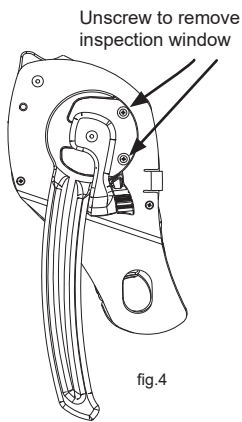


fig.4

#### Hauling (fig.5)

To haul engage haul catch put the handle in the lock position and push the haul catch forward to it clicks in to the recess in the handle. This enables the device to be used for progress capture or during a rescue haul. **For normal use this should be left in the unlocked position to allow all other functions to work.**

#### Inspection (fig.4)

The Ego has a wear indicator on the cam. If the line is fully broken the device should be retired.

The mechanism can be inspected and cleaned out by removing the plate on the back by removing the 2 small screws and sliding this off. This allows any accumulation of dirt to be removed from the moving parts. The spring that locks the handle can all so be removed and cleaned. To do this simply remove the screw and regrease the spring.

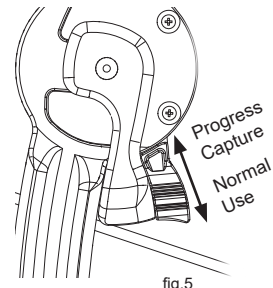


fig.5

#### Back threading protection

The Ego has protection against many accidental backwards threading scenarios. If threaded backwards and loaded the second brake will grip the rope and stop an out of control descent. If this is triggered the handle will be forced out of the lock position and the cam will grip the rope, the user should then attach to a safe anchorage e.g. ascenders before touching or unlocking the device further.

**DO NOT attempt to descend with the device backwards. Warning: back threading protection can be overridden with the haul catch, before using the device for normal descent / ascent ensure that is not engaged.**

#### Paying out slack (fig.6)

The cam has a button on top which allows slack to be paid out under partial load when the handle is locked out e.g. moving towards an edge or taking the device off of a rope.

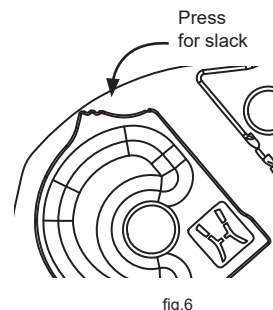


fig.6

## Warnings

- Always use in conjunction with a suitable back-up system e.g. a Type A device on another rope.
- Always maintain control of tail rope, unless device is "locked-off."
- Always use a connector (EN362 Class B) with bar size between Ø10mm and Ø12.7mm.
- Do NOT use screwlinks (EN362 Class Q) with bar size less than Ø10mm
- Always minimise slack in anchor line.

- Do NOT over-load or apply dynamic load as this may damage the rope.
- Always be aware of the device temperature rising during long/fast descents due to friction - this may damage the rope.
- Ensure a knot or other end termination is used at the bottom of the working line, to prevent descending off the end of the line.
- Ensure the rope does not run over any sharp edges or abrasive surfaces.
- Do NOT use outside of limits or for any purpose than described above.
- Do NOT use as part of a fall arrest system.

