



USER INSTRUCTIONS

- D40 - Right Handed Pulsar
- D40L - Left Handed Pulsar
- D41 - Compact
- D42 - Twist
- D44 - Sync

heightec self locking rope ascenders are personal protective equipment. They are used for fall protection and work positioning.

Compatibility

D40 and D41 Approved to EN12841 on 10-13mm heightec Tectra rope, also to EN567 on 9-13mm dynamic EN892 and low stretch EN1891 rope
D42 Approved for 10-13mm. D44 Approved for 10.5-12mm.

Harnesses, lanyards and connectors should conform to the relevant EN standards.

Lanyards should be of dynamic rope to EN892 with appropriate knots loaded before use, or lanyards conforming to EN354, adjusted to the correct length (the ascender should be within reach when hanging from it).

Fall arrest lanyards must not be used with these ascenders.

For work positioning, harnesses should conform to EN358 or EN813. In work positioning a secondary means of protection may be necessary e.g. safety nets or a fall arrest system to EN363. If the user is fully suspended by their equipment - e.g. Rope Access - a secondary protection system **MUST** be in place.

Suitable locking connectors conforming to the relevant EN standards should be used and correctly fastened. A screwlink connector is recommended.

These requirements must be adhered to.

Typical attachment methods for rope access use:

Pulsar and Compact

Attach the lower hole of the Pulsar or Compact to the front waist attachment point of the harness with a suitable lanyard. A footloop may be attached to the hole next to it.

Twist

Attach the lower hole of the Twist directly to the front waist attachment point of the harness with a screwlink connector. Attach the upper hole to shoulder straps, chest harness or chest strap; adjust so that ascender lies flat against the body.

Sync (see fig 3 - 5).

Undo screwlink from waist attachment. Pass riser through slot in plastic spacer, then slot in ascender. Attach the top slot by sliding webbing into the hook profile.

Reattach screwlink to harness.

Warnings

Do not use this product outside its limitations, or for any purpose other than that recommended above. Do not alter or make additions to this product.

EN12841 Type B and Type C rope adjustment devices are for progression along the working rope. They should always be used in conjunction with a Type A rope adjustment device and a safety rope (back-up device).

Not suitable for use in a fall arrest system.

This device works by a toothed cam gripping a rope: the teeth penetrate the sheath to provide grip. The performance of this equipment may be affected by the presence of mud, ice, oil, dust or water etc.

Beware of rope running over sharp edges, particularly when under tension.

Overloading or dynamic loading may damage the anchor rope. Maximum load 125kg.

The anchor rope should not be inclined from the vertical nor deviate at the device by more than 45 degrees.

Use

See guidelines overleaf regarding selection of anchor points.

Open the cam by pulling down on the catch, and hooking it around the body of the device as shown in fig 1 and fig 2. Place the rope in the inner curve of the body as shown, and release the catch so that the cam grips the rope.

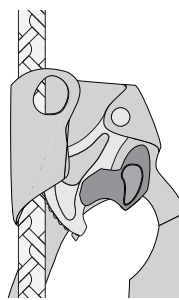
Progression up the rope is achieved by alternately standing in the footloop and pulling rope through the chest ascender, then sitting back in the harness while pushing the handled or compact (footloop) ascender up the rope.

Anchor points for ropes should be installed above the user. Avoid slack in the rope between the anchor point and the user.

To remove the rope, pull down on the catch while slightly lifting the device, and hook the catch around the body of the device. See fig 1 and fig 2.

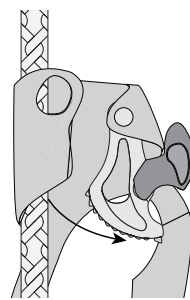
Ascender installed on rope

Fig 1



Opening the ascender to insert/remove rope

Fig 2



Sync Installation

Fig 3



Fig 4

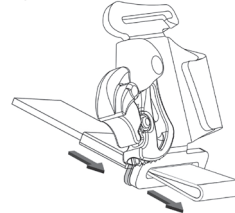


Fig 5

