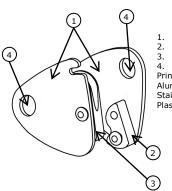


REDTM Rotational Braking Back-up Device User Instruction Manual





RP890—no towing option RP891—fixed towing option RP892—popper towing option

Side plates Fixed cam

Cam

Attachment holes Principal materials:

Aluminium (side plates, cams). Stainless steel (side plates, rivets) Plastic (popper) Polyester (cord)

RED—product name / brand. I|S|C—manufacturer identification. CE0120—Body controlling the manufacture of PPE

- Always read and follow the instructions supplied by the manufacturer.

EN12841—Personal fall protection equipment
— Rope access systems—Rope adjustment devices. A-Safety line adjustment device.

• - EN1891, type A ropes Ø 10.5-11mm

YY/BBBBB/XX-Year of manufacture/ Production batch/Incremental number.



Own rope weight (not tensioned).



Suitable for 2 person load (240kg) in a rescue situation.



RP890-No tow cord

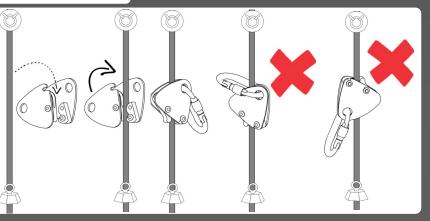


RP891—Fixed

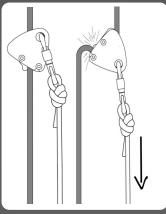


RP892-Popper

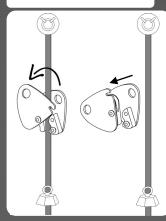
Installation—Fig 1



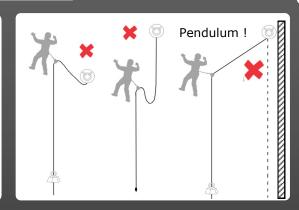
Operation—Fig 2



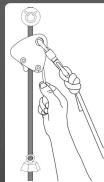
Removal - Fig 3



Clearance — Fig 4



Towing - Fig 5



RP891-Fixed

Ø 3mm cord

Tow unknotted cord between thumb and first finger.

RP892-Popper

Ø 3mm cord

Tow unknotted cord between thumb and first finger. Popper[™] disengages at approx 3kg.

Cleaning







THIS DOCUMENTATION SHOULD BE ISSUED WITH AND KEPT FOR EACH ITEM OR SYSTEM DIESE UNTERLAGEN SOLLTEN MIT HERAUSGEGEBEN WERDEN UND FÜR JEDES EINZELTEIL DOER SYSTEM GEHALTEN WERDEN. ESTA DOCUMENTACION SE DEBE PUBLICAR CON Y GLARDAR PARA CADA ARTICULO O SISTEMA. DEZE DOCUMENTATIE ZOU MET MOETEN UNTEGRENACHT WORDEN EN ZOU VOOR ELK ONDERDEL OF SYSTEME - MOETEN BUGEHOUDEN WORDEN. CETTE DOCUMENTATION DOIT ÉTRE DÉLIVRÉE AVEC CHAQUE ÉLÉMENT OU SYSTÉME ET CONSERVÉE AVEC CELUI-CI

PERIODIC THROUGH EXAMINATION AND REPAIR RECORD			
Date / Datum / Fecha / De datum / Date / Data	Inspection details / Detailinformationen zu Prüfungen / Detailes de inspección / Inspectiedetails / Détails de l'inspection / Details is pezione	Name and signature / Nennen Sie und Unterschrift / Denomine y la firma / Noem en handtekening / Nom et signature / Nome e firma	Next examination / Nächste Untersuchung / Próximo examen / Het volgende onderzoek / Examen suivant / Prossimo esame

RED™ Rotational Braking Back-up Device.

General

ISC equipment and components for prevention of falls from height meet or exceed recognised European, American or other International standards. A multi-language user instruction manual should accompany this product. It is the users responsibility to read and understand these instructions before use.

Responsibility

It is the user's responsibility to ensure understanding of the correct safe use of this equipment, to use it only for the purposes for which it is designed, and to practise all proper safety procedures. It is mandatory that a Risk Assessment be carried out prior to any use and a rescue plan be in place for any work at height. Do not exceed loads either specified by the manufacturer or loads derived from the specified MBS using a recognised factor of safety. Do not under any circumstances modify the product as alterations may render it ineffective.

Compatibility

Always ensure that all components within a **Figure 4 – Clearance** safety system are compatible and allow the The strength of all anchors must be at least system to function safely.

Use Inspection

ensure that it is in a serviceable condition and is operating correctly.

Use Requirements

It is recommended that the viability of any connectors) the clearance below the installation should be verified by a suitably qualified person. Extreme care should be sion with a structure or the ground in the taken when using this product near harmful chemicals, moving machinery, electrical hazards and near sharp edges and abrasive surfaces. Wet and icy conditions may cause the rope to become slippery.

Testing

All testing at ISC and the Notified body, has been carried out on Marlow 10.5 and 11mm LSK rope, using cows-tail made from 11mm Marlow dynamic rope, with suitable recognised knots at either end producing loops. One-man load 140kg, rescue load 240kg.

10.5mm 11mm

Please see our separate datasheet containing test results of varying fall distances.

Modifications, repair

There are no serviceable parts on the I device except for the popper and tow cord. If required, repair or replacement of these manufacturer or its recognised repair agent.

Figure 1 - Installation

1a -Installation on rope

Swing the front plate through 180° Insert the rope, paying particular attention to the direction of the markings.

1b - Installation on rope

Close front frame - reverse of opening. Attach connector, approved EN362:2004, through holes on front and back frame.

Figure 2 - Operational check

2a - Before each use, to verify the correct installation on the rope, a test must be carried out. Move the device up and down the rope. It must slide smoothly and easily. Ensure the device self-parks (stays in position when released).

2b - Test the locking on the rope by tugging sharply in the direction of a fall ensure the device locks.

Figure 3 - Removal

The removal of the device is the reverse of installation.

as great as that of the terminated ropes attached to them, and not less then 15kN (BS7985:2009). The anchor should be posi-Immediately before, during and after use tioned above the user such that the free make visual inspections of the product to movement of the system and the fall path is unobstructed. Work as close to directly below the anchor point as is possible to avoid swing-fall injury (pendulum effect). When using 800mm cows-tail (including user's feet must be 4.6m to avoid collievent of a fall from height.

Figure 5 - Towing

backup device can be used The with a tow cord, a tow cord with detachable popper™ or without a tow cord. It is the responsibility of the user to carry out a risk assessment and determine which method of towing is best for their application. When using a fixed cord, it should be towed between index finger and thumb. When using the popper™ it should be towed between index and middle finger. It have chosen please consult the manufacturer is important that the user does not descend out of reach of the RED™ backup device.

Storage & Transportation

The product should be stored in a clean, dry environment away from exposure to UV, corrosive or chemical substances or extreme heat sources. Care should be items should only be carried out by the taken to protect the product against damage during transportation.

Product Inspection & Maintenance

In addition to the visual inspections (see Inspection) a thorough examination should be carried out by a competent person in line with applicable legislation and the intensity and environment of use. ISC recommends a thorough examination at least every twelve months. The product should be immediately withdrawn from use and not used again until confirmed in writing by a competent person that it is safe to do so, should any doubt arise about its condition for safe use or, if it has been used to arrest a fall.

Extreme temperatures and the effects of chemicals, rust, cuts and abrasions could affect the performance of the equipment. Defective equipment shall be put beyond use to ensure it is not used as safety equipment.

There are many ways in which a rescue can be carried out. A risk assessed rescue plan should be considered for each workplace and training environment. ISC would always recommend that where possible a rescue should be carried out using additional/new ropes installed for that purpose so that the integrity of the ropes used in the casualty's system do not have to be assessed since during a rescue scenario it is possible that a two-person dynamic load could be applied to the back-up rope. Only in the event of a rescue from below that utilises the casualty's existing lines and the casualty's backup line is loaded with a persons weight and where primary line failure might occur should the RED not be used as a back-up device since testing shows its performance to be inconsistent. Where additional/new lines are used to affect a rescue then the RED is the only device proven to be suitable to protect a rescuer/casualty combination of up to 240kg.

Cleaning

The product must be cleaned regularly (or after every use in a marine environment) with a mild detergent. Afterwards the product should be rinsed in clean water and allowed to dry naturally. Alternatively an air gun can be used to clear debris from device. Moving parts may be oiled regularly with a light oil such as 3-in -1. A small drop may be applied to the spring hole on the side frame. Remove all excess oil from the device, with a soft rag/ cloth, before use .

Manufacturers' responsibility

The manufacturer or distributor will not be held responsible for any eventual damages, injuries or death resulting from an improper use of this equipment. If there is any doubt about the compatibility of the products you

Approvals - Declaration of Conformity

backup device has been tested and The approved by SATRA, notified body number CE0321, in accordance with EN12841:2006 with a maximum rated load of 140kg and is subject to the procedures set out in Article 11b of Directive 89/686/EEC under the supervision of SGS UK Ltd., Unit 202b, Worle Parkway, Weston-super-mare. BS22 6WA., notified body number 0120.

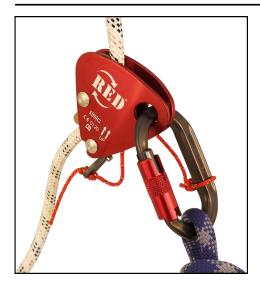


Towcord Attachment Instructions

Please read these instructions fully before starting any work.

These instructions should only be carried out by a fully qualified and competent person.

Karabiner Retaining Cord Integrated with Popper Towing Cord



The RED[™] backup device is now available with an integrated loop for retaining a karabiner. This loop is present to eliminate the possibility of the device being dropped whilst attaching and detaching the backup device to/from your ropes.

The karabiner should be placed through the loop of the towcord, prior to the karabiner being passed through the connection point of the backup device.

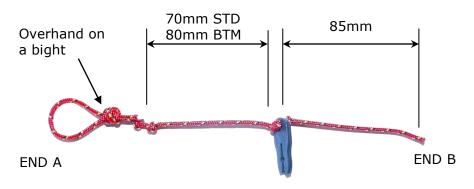
It is important that the tow cord attached to the karabiner is not impeding the function of the popper—this should be included as a pre-use check.

IMPORTANT—The loop MUST NOT be used for towing the device.

The popper is sold as a serviceable item and in the event of either the popper or towcord needing to be replaced, it is acceptable for a competent person to replace this item. In order to assist this process, we have included some brief notes on how to carry out this work.

- 1. Cut a length of 3mm accessory cord—see below for overall lengths.
- 2. Attach the popper in line with the dimensioned drawing below, tying overhand knots.
- 3. Feed END A through the hole in the frame and tie an overhand knot.
- 4. Finally tie an 'overhand on a bight' knot to produce a suitable loop for your karabiner.

IMPORTANT—THIS LOOP MUST ONLY BE USED FOR KARABINER ATTACHMENT



Standard/Upper popper position: STD—overall length 570mm.

Bottom/Lower popper position: BTM—overall length 580mm.

ISC is a responsible design, development and manufacturing organisation. We welcome feedback regarding these user instructions or indeed on our product range as a whole. For further details please see our website www.iscwales.com

