

1. Side plates
2. Cam
3. Handle

Principal materials:
Aluminium (side plates, handle).
Stainless steel (cam, rivets)

Cleaning and maintenance



Max 40°C

Dry naturally

D2—product name / brand.
I|S|C—manufacturer identification.
CE 0120—Body controlling the manufacture of PPE

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

EN12841:2006—Personal fall protection equipment — Rope access systems—Rope adjustment devices. C—rope adjustment device: working line descender. Max load 100kg.

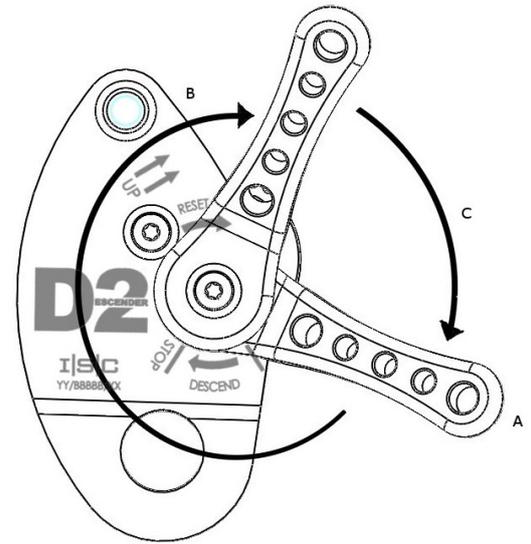
● - (non EN1891) ropes Ø 8mm

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

Installation— Fig 1



Operation— Fig 2



- A—STOP
- B—RESET (rotate clockwise)
- C—DESCEND (pull handle down)

Model & Type / Entwurfen Sie & Typ /
Modelo & el Tipo / Modeller & het Type / Modèle et type / Modello e tipo

Serial Number / Seriennummer /
Número de serie / Het Seriennummer / Numéro
de série / Numero di serie

Purchased from / Gekauft von /
Comprado de / Gekochte van / Acheté auprès
de / Acquistato a partire da

Purchase Date / Kaufen Sie Datum /
Compre la Fecha / Koop de Datum / Date
d'achat / Data di acquisto

Date first used / Datieren Sie zuerst benutzt /
Fecha primero utilizado / Dateer eerst gebruikt /
Date de la première utilisation / Data primo
utilizzato

THIS DOCUMENTATION SHOULD BE ISSUED WITH AND KEPT FOR EACH ITEM OR SYSTEM.
DIESE UNTERLAGEN SOLLTEN MIT HERAUSGEGEBEN WERDEN UND FÜR JEDES EINZELTEIL ODER SYSTEM GEHALTEN WERDEN.
ESTA DOCUMENTACIÓN SE DEBE PUBLICAR CON Y GUARDAR PARA CADA ARTICULO O SISTEMA.
DEZE DOCUMENTATIE ZOU MET MOETEN UITGEBRACHT WORDEN EN ZOU VOOR ELK ONDERDEEL OF SYSTEEM - MOETEN BIJGEHOUDEN WORDEN.
CETTE DOCUMENTATION DOIT ÊTRE DÉLIVRÉE AVEC CHAQUE ÉLÉMENT OU SYSTÈME ET CONSERVÉE AVEC CELUI-CI

PERIODIC THROUGH EXAMINATION AND REPAIR RECORD

Date / Datum / Fecha / De datum / Date / Data	Inspection details / Detailinformationen zu Prüfungen / Detalles de inspección / Inspectiedetails / Détails de l'inspection / Dettagli ispezione	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

D2 Rope adjustment 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. If this product is sold outside of the original country of sale, it is the resellers responsibility to supply this document in the language of re-sale.

WARNING - Activities involving the use of this equipment are inherently dangerous – this equipment should only be used by a competent person or a person specifically trained in its use who is under the direct supervision of a competent person.

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. This equipment should not be used by persons with a medical condition(s) that may affect the safety of the user.

Compatibility

Always ensure that all components within a safety system are compatible and allow the system to function safely.

Use Inspection

Immediately before, during and after use make visual inspections of the product to ensure that it is in a serviceable condition and is operating correctly. Check the legibility of all markings.

Use Requirements

It is recommended that the viability of any installation should be verified by a suitably qualified person. Extreme care should be 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 for this device at ISC and the Notified body, has been carried out using Sterling PER 8mm and Sterling SAFETEC 8mm rope. One-man load 100kg.

Modifications, repair

There are no serviceable parts on the D2™ except for the handle. If required, repair or replacement of these items should only be carried out by the manufacturer or its recognised repair agent.

Figure 1 – Installation

This device should be used with an anchor point/system conforming with EN795 (min 12kN) or in accordance with ANSI z359.1 (07), or any other recognised standard or Industry Best Practice relating to the specific use, or a non-engineered anchor point capable of withstanding appropriate loads. It is recommended that the anchor point be above the user and that the viability of any installation should be verified by a suitably qualified person. The rope path is identified on the rear of the device. The rope must be threaded through the device following the route of the markings. When inserting the rope, it is easier if the cam is held 'open' to increase the gap between the cam and top bobbin, to allow the rope to be fed through. Slack in the line between the user and the anchor should be avoided. This product should not come into direct contact with flames or be exposed to temperatures above 250°C.

Figure 2 – Operational check

Before each use, verify the correct installation on the rope. With the handle in STOP position, carry out a pre-pull test to ensure the device does not slip down the rope. If it is able to travel down the rope the cam should be checked for wear by a competent person. The device should still be able to travel UP the rope, but should not travel down the rope when in STOP position. Ensure the device is attached directly to your load bearing full body harness (this is the only acceptable body holding device in a fall arrest system) attachment point (EN361) - marked 'A' using a locking karabiner (EN362) with a maximum overall length of 120mm (ISC KH453 is recommended). When the adjustable anchor line is loaded by the full weight of the user, this becomes a working line. Ensure that you have a fully functional backup device (EN12841 Type A) (e.g. ISC RED) on a separate rope. The D2 is not suitable for use in an EN363 fall arrest system.

Use

To control the device in descent, your left hand is used to position the handle, and your right hand is used on the trailing length of rope to give you extra security and fine adjustments of speed control. – see Fig 1. **WARNING: Holding onto the working line may result in loss of descent control.** If in the situation that you pull the handle too far the device will STOP. To RESET the device rotate the handle clockwise, in the direction of the arrows. This will allow you to continue to DESCEND. The use of an ISC karabiner (KH453) is recommended (for handle clearance). All rope adjustment devices create heat when travelling along rope at speed, which can cause damage to the rope. Although this device is designed as a single use system, always check the rope for damage as well as the device. When used with Technora rope the rope must be disposed of after each descent. When used with polyester rope the rope must be inspected after each use.

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 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, flames, cuts and abrasions could affect the performance and lifespan of the equipment, to as little as a single use. The potential lifetime of ISC products is up to 10 years for plastic or textile products, and indefinite for metal products. The actual lifetime of a product depends on a variety of factors such as, the intensity of use, the frequency of use, the environment in which it has been used, the competency of the user, and how well it has been maintained and stored etc. Defective equipment shall be put beyond use to ensure it is not used as safety equipment.

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 axle on the back frame.

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 have chosen please consult the manufacturer

Approvals - Declaration of Conformity

The D2™ rope adjustment device is manufactured by ISC, Llandygai Industrial Est., Bangor, Gwynedd. LL57 4YH and has been tested and approved by APAVE SUDEUROPE SAS, CS60193, 13322 Marseille Cedex 16—France., notified body number CE0082, in accordance with EN12841:2006 Type C with a maximum rated load of 100kg 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.

