I|S|C
Solutions in Metal

I.S.C. Hand Ascenders
RP210, RP220, RP230, RP240

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RP210

RP220

RP230

RP240

Explanation of Labelling

I|S|C	Manufacturer identification
CE 0120	Body controlling the manufacture of PPE
EN567:1997	Mountaineering Equipment - Rope Clamps
📖	Always read and follow the instructions supplied by the manufacturer
RPXXX	Product Code Number
Ø	Diameter of rope to be used
⇧	Direction of use
YY/BBBBB/XX	Year of manufacture/Production Batch/Incremental Number

Nomenclature - Fig 1

Ultrasafe Cam pin
Cam
Thumb Latch in locked position
Rope in Position
Cam in open position
Thumb Latch
Handle

Left Hand Ascender   **Right Hand Ascender**

Installation - Fig 2

Inspection - Fig 3

Cleaning

Max 40°C

Dry naturally

Oil

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 ARTÍCULO 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

ISC Hand Ascenders

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.

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.

These products must only be used by competent persons or by those under the control of a competent person. Care should be taken in choosing other components used in conjunction with these ascenders. Ensure that the usage instructions for other components are complied with. Activities associated with the use of ascenders are dangerous. Adequate training in those activities is the sole responsibility of the user.

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.

It must never be used in conjunction with any other piece of equipment that may impede its safe operation, or the safe operation of any other piece of equipment.

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. Always ensure that the recommendations for use of other components within a system as advised are complied with.

Fig 2 - Installation & Use Requirements
Holding the ascender in the correct hand - red for left green for right. Press, with the thumb, the thumb latch toggle downwards and pull the latch backwards so it locates behind the body of the ascender. Refer to picture. Locate the rope between the cam and the body of the ascender. Lock the rope in position by pressing downwards on the latch so that the cam is released towards the rope. Extraction of the rope is the reverse of the above procedure.
To move the ascender on the rope, slide the device upwards along the rope ensuring the cam is in contact with the rope. **(Figure 3)** - Check the ascender is locked onto the rope by gently pulling the device downwards.

Inspection & Maintenance
Make a visual examination of the ascender for damage or malfunction. Ensure the ascender is only used with other mountaineering equipment relevant to European Council directive 89/686/EEC. If there is any doubt about the safe condition of the ascender it should be withdrawn from use and replaced. The record section in these instructions should be completed and kept up to date.

Care should be taken in choosing other components used in conjunction with these ascenders. Ensure that the usage instructions for other components are complied with. Activities associated with the use of ascenders are dangerous. Adequate training in those activities is the sole responsibility of the user. With normal use this product should have a lifespan in excess of 10 years. 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. This statement does not remove the need for users to inspect their items before and after each use, and retire the device if it is not in a satisfactory condition, or taken out of use by a competent person.

Cleaning
The ascenders should be cleaned with a mild detergent solution or disinfectant after use and dried if necessary. Cleaning and drying should be carried out immediately after every use in a marine environment. Store in a clean, dry environment avoiding extremes of temperature, corrosive fumes or chemical substances. If the ascender comes into contact with chemicals refer to chemical data sheets and/or the manufacturer. When the ascender is used in extremely cold weather be aware if there is a possibility of water/ice coming into contact with the moving parts of the ascender and ensure the cam teeth are free from ice. The latch and cam spring mechanisms may be lubricated with a general purpose oil after cleaning. It is recommended that a yearly examination of general condition and function is carried out and recorded by a competent person. It is difficult to estimate the lifespan of the ascender due to variations in use and care but in normal usage and with regular cleaning and lubrication it should be in excess of five years.

Storage & Transportation
Store in a clean dry environment free from corrosive or chemical substances. Care should be taken to protect the product against damage during transportation.

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 check out our website www.iscwales.com

Approvals-Decleration of Conformity
Type approval carried out at SGS United Kingdom Ltd., Unit 202b Worle Parkway, Weston-super-Mare, Somerset BS22 6WA. And is subject to the procedure set out in Article 11 point B of Directive 89/686/EEC under the supervision of the notified body: SGS United Kingdom Ltd., Unit 202b Worle Parkway, Weston-Super-Mare, Somerset, B S22 6WA.