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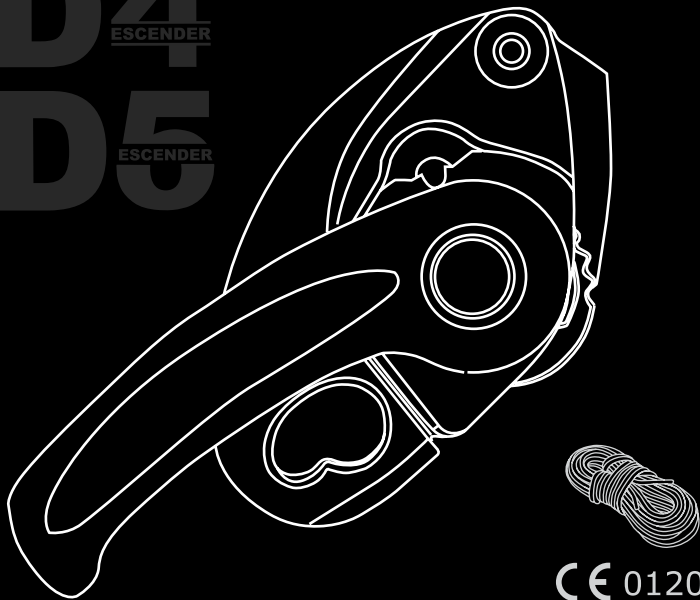
Solutions in Metal

RP880 / RP885

Work/Rescue Descender

D4
DESCENDER

D5
DESCENDER



CE 0120



climb. work. rescue.



Activities at height are inherently dangerous. Understand and accept the risk involved before participating. You are responsible for your own actions and decisions. Before using this product, read and understand all instructions and warnings that accompany it and familiarize with its proper use, capabilities and limitations. We recommend that every climber seeks proper training in the use of the equipment. Failure to read and follow these warnings can result in severe injury or even death!

Use: Rope Access, Rescue.

RP880 & RP885 Work/Rescue Descender

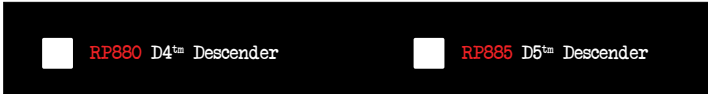
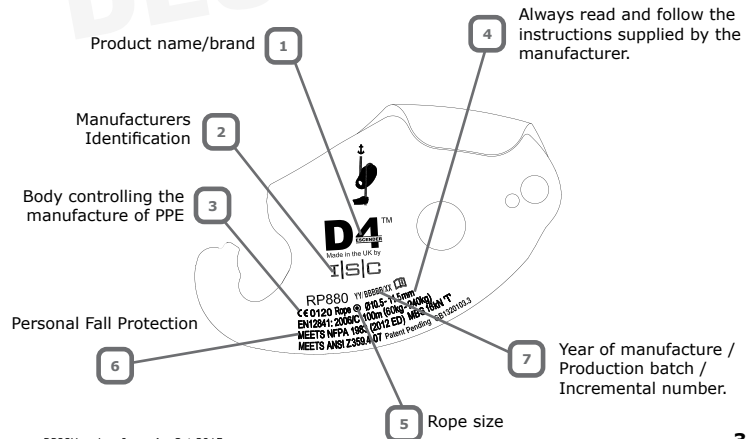
The D4™ Work/Rescue Descender features a unique and innovative cam action, which offers precise control at slow or fast speeds. The progressive cam works by way of one cam operating inside another cam.

The D4™ has a 240kg (500lbs) Working load limit which means it is suitable for two-person rescue, without the need for the creation of extra friction.

The handle mechanism is designed to rotate through 360° making its use easier and simpler. The handle itself is made from aluminium rather than plastic and is coated which provides extra grip.

Cleverly, the handle rotation is accompanied by audible clicks which help the user identify the correct position of the handle.

A Markings

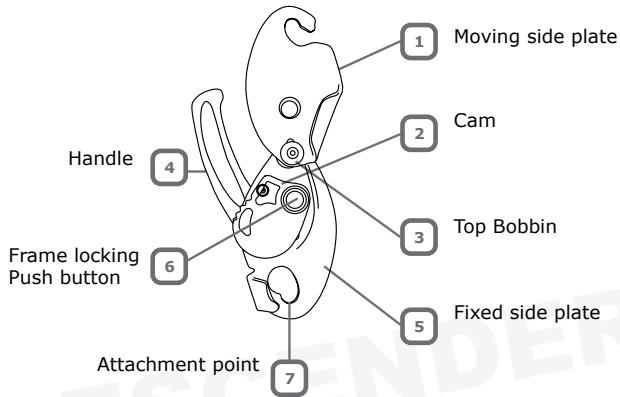


EN	English	General Instructions for Use	00
CS	Český	Obecné pokyny k použití	00
DA	Dansk	Generelle brugerinstruktioner	00
DE	Deutsch	Allgemeine Bedienungsanleitung	00
ES	Español	Instrucciones generales de uso	00
FI	Suomeski	Yleinen käyttöohje	00
FR	Français	Instructions générales d'utilisation	00
IT	Italiano	Istruzioni generali d'uso	00
NL	Nederlands	Algemene gebruiksinstructies	00
NO	Norsk	Generell bruksanvisning	00
PL	Polski	Ogólne instrukcje dotyczące użytkowania	00
PT	Português	Instruções gerais de utilização	00
SV	Svenska	Allmänna användarinstruktioner	00

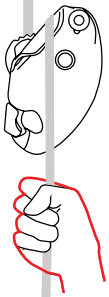
B Nomenclature

Principal Materials:

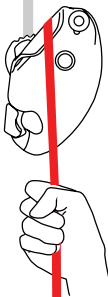
Aluminium, Stainless Steel, Plastic - Derlin, Bronze sintered.



C Terminology

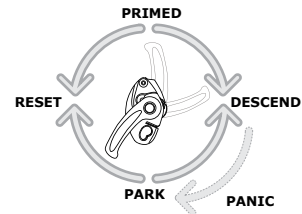


Brake hand
Český
Dansk
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Suomeski
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Português
Svenska

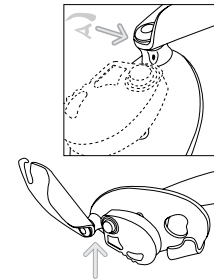


Braking side of rope
Český
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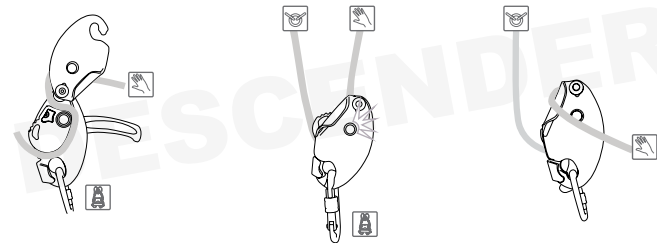
D Position



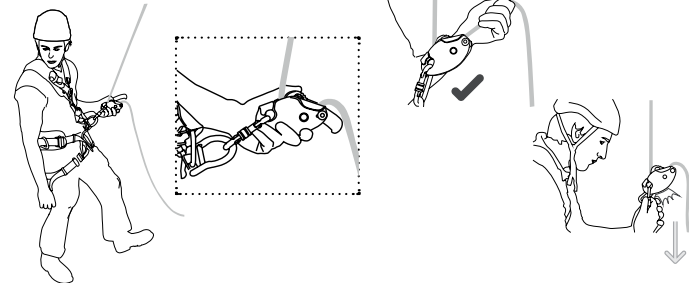
E Wear Inspection



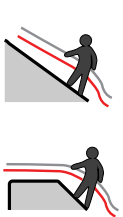
F Installation on Rope



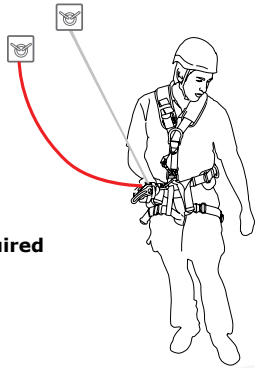
G Operational Check



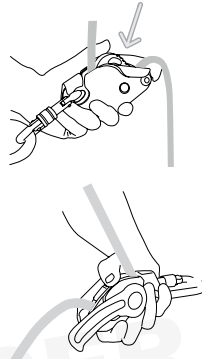
H Horizontal Movement



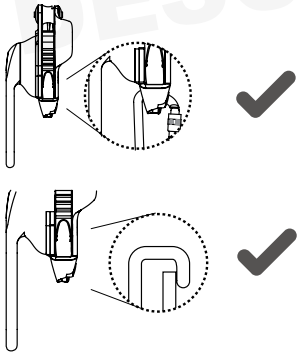
Back-up lines required



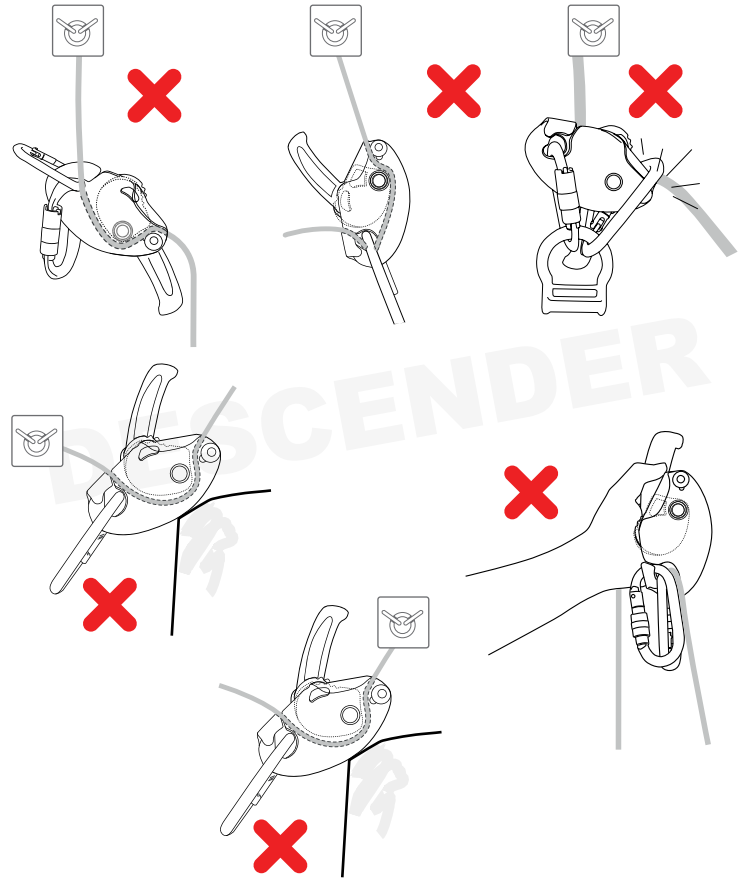
Thumb grip



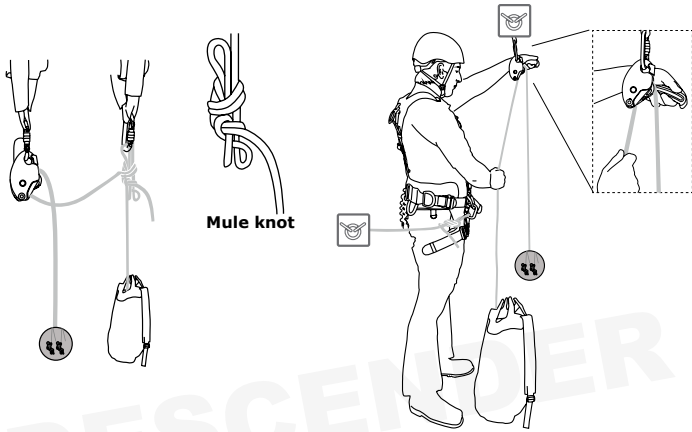
I Misuse



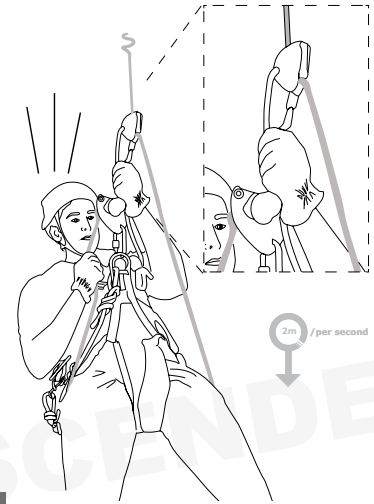
I Misuse



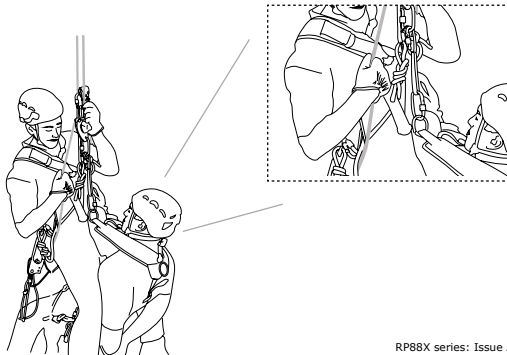
J Rigged for Rescue/Anchor



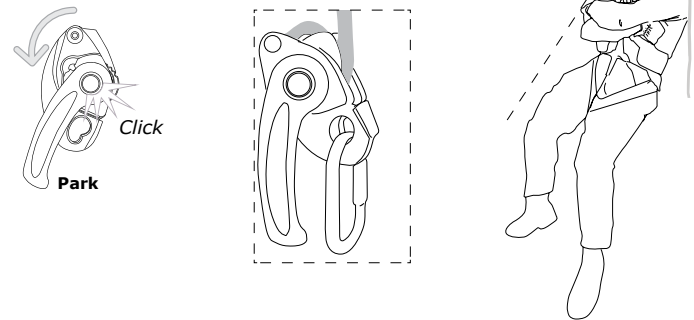
L Descent one person



K Pick off Rescue



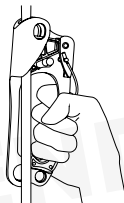
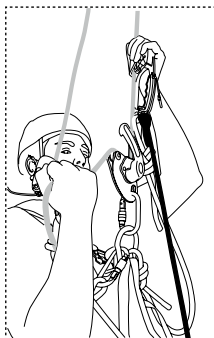
M Work Position



N Ascending

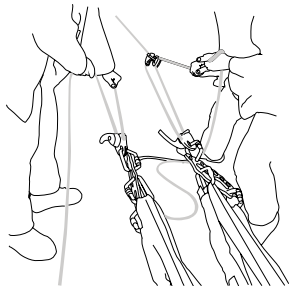


PRIMED



RP220
Hand Ascender

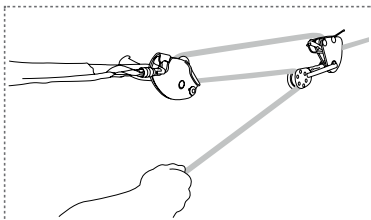
O Horizontal Lines



RP890
RED™ Back-up Device



RP209
Mini Ropegrab



These instructions must be read and fully understood in conjunction with the generic instructions supplied.

Nomenclature of parts.

- 1 – moving side plate, 2 – cam, 3 – top bobbin, 4 – handle, 5 – fixed side plate, 6 – push button, 7 – attachment point.

Handle position – primed, park, descend, reset.
Brake hand, braking side of rope.

Principal materials:

Aluminium, Stainless steel, Plastic – Acetal, Bronze



Inspection (book 1, book 2)

Make sure the wear indicator is not visible in the top bobbin (Fig E).
Check for cracks, corrosion, sharp edges and deformation.
Check for loose fasteners / components.
Verify that the cam, when in primed position, moves freely.
Ensure side plates align correctly (Fig J).

Pay attention to the frame locking push button to ensure it engages fully into the moving side plate. You will hear an audible 'click' when the frame seats correctly.

Verify that the handle rotates freely and that there are 3 audible 'clicks' during rotation. Check the interaction of the cam and handle is fully functional. To do this:

1. Move the 'handle' to the PRIMED position
2. Open the 'moving side plate' to expose the 'cam'
3. Apply and maintain pressure to the 'cam' in the direction of the anchor
4. Pull the 'handle' through DESCENT and into PANIC

While steps 3 and 4 are carried out the function of the handle and cam should move together. When the 'handle' reaches PANIC the 'cam' must snap forwards in the direction of applied pressure.

Installation on rope

Connect the D4 to your harness using a locking karabiner.
ISC recommend an Oval Karabiner e.g. KH411 and KH311.
Put the handle into PRIMED position to allow the cam to move freely.
Open the moving side plate.
Insert the rope as indicated (Fig F).
Close the moving side plate.

WARNING: The moving side plate must be properly engaged on the frame locking push button and the karabiner must be fitted through the attachment eye of both frames. (See Fig J). Please be aware of foreseeable misuse!

Pre-use checks (See Fig G).

Conduct all pre-use checks whilst using a backup safety system.

Before each use verify the correct installation of the rope.

Ensure full handle rotation is not impeded or compromised.

WARNING: Do not let anything interfere with the correct operation of the device or its components.

Ensure the handle of the D4 and the gate of the connector do not come into contact with any objects or surfaces which may impede its function or cause cross-loading – see misuse.

With the handle in the PRIMED position:

Try to pull the device down the rope – it should not travel down the rope. If it does, check that the rope is installed correctly, and that there is no sign of wear. The D4 should still travel up the rope.

Gradually put your weight on the device, and with one hand holding the braking side of the rope slowly pull on the handle to allow the rope to slide through the device. Ensure the movement can be controlled and is smooth. If this does not work, check the installation of the rope.

Release the handle and check that the device stops. If it does not stop do not continue to use the device.

Horizontal movement (Fig H)

On sloping or horizontal terrain, or with light loads the panic brake activates easily. To enable you to travel smoothly, use the thumb-grip on the cam. **WARNING:** do not use the thumb-grip during a vertical descent.

Descent (work). To control the device in descent, your non-braking hand is used to control the position of the handle, and your braking hand is used on the braking side of the rope, to give you extra security and fine adjustment of speed control. If you pull the handle too far the device will engage the panic function causing the device to stop.

Please note that descent speed will increase prior to engagement of the panic brake. This is a normal function of the device. To RESET the device, from the PANIC position, rotate the handle in the same direction (see Fig D). This will allow you to continue your descent.

Whilst it is not a requirement, if a second karabiner is used to add friction to the system, you must ensure that it is located away from the main descender attachment point – see Fig I.

Work positioning. After stopping at your working position, lock the device on the rope by moving the handle in the opposite direction to that used for descent. Once you reach the PARK position the handle will not travel any further in that direction (you should hear an audible ‘click’). To continue with your descent after completing your work, whilst holding the control side of the rope, pull the handle to the PRIMED position and to begin your descent continue to rotate the handle.

Expert use (for trained operators, with appropriate knowledge and training)

- It is important to fully understand the information provided in the Exceptional uses notice before using the information provided.
- Mastering/carrying out these techniques requires training.
- Consult with a professional before attempting to perform these techniques on you own for your safety.

Rigged for rescue / Anchor (Fig J). The handle of the D4 must be in the PARK position. It must be backed up using a suitable knot (e.g. Mule) in the free end at least 1m from the D4. This is to allow slippage in the event of overloading the system. The slippage reduces the impact force and must not be hindered by the knot. In the event of a rescue, remove the knot and begin to lower.

Holding the control side of the rope, move the handle to PRIMED position, rotate the handle gradually to allow the rope to slide through the device. Control is aided by varying the grip on the control side of the

rope. To activate the self-braking function, release the handle. When the device is lightly loaded, if the panic function activates too easily, use the thumb-grip on the cam. Whilst it is not a requirement, if a second karabiner is used to add friction to the system, you must ensure that it is located away from the main descender attachment point – see Fig I.

Pick-off rescue (Fig K). The D4 is rated for 240kg which allows for a variety of rescue scenarios. Additional friction can be added if required, but is not always necessary.

Ascending (Fig N). With the device in PRIMED position, using a hand ascender (RP220) take up slack as you stand up. Never allow slack between the hand ascender and D4.

Progress capture/Horizontal lines/Tyrolean (Fig O). The D4 can be used to capture the progress of a rope at an anchor point of a horizontal line. With the handle in PRIMED position, the line can be tensioned, using a tensioning pulley and a ropegrab (RP209/RED) or by hand, until the desired tension is reached, at which point the handle should be moved to the PARK position. It must be backed up using a suitable knot (e.g. Mule) in the free end at least 1m from the D4. This is to allow slippage in the event of overloading the system. The slippage reduces the impact force and must not be hindered by the knot.

Extreme care must be taken when working with horizontal lines to avoid overloading of the rope, anchors, and hardware – specialist training and knowledge is required to ensure that this type of system is rigged and operated safely.

When to retire your equipment

- If the device is subjected to a load greater than the slip load, such as might be experienced in a dynamic load event
- If the wear indicator in the top bobbin is visible
- It fails to pass inspection
- You do not know its full usage history
- If there is any doubt with the condition or reliability
- When it becomes obsolete due to changes in standards, legislation, technique or incompatibility with other equipment

Ensure the equipment is destroyed to prevent further use.

Markings.

D4tm RP880 – product code

240kg – Max rated load

EN1891 rope 10.5 – 11.5mm

Meets NFPA 1983

Meets ANSI z359

CE0120 Notified body controlling the manufacture of PPE

Legislation

The ISC D4 is an EN12841:2006 Type C rope adjustment device. The primary function of the D4 is progression along the working line. The D4 descending device must be used in conjunction with a Type A backup device (e.g. ISC RED) on a second rope (safety rope). The D4 is not suitable for use in an EN363 fall arrest system. Certification testing was carried out at SATRA Technology Centre (NB0321) and was performed using 240kg mass using Mammut Performance Static 10.5mm and BEAL Industrie 11.5mm ropes.

The D4 must be used with an anchor point/system conforming with EN795 or in accordance with ANSI z359, or any other specific recognised International Standard or industry best practice relating to the specific use, or a non-engineered anchor point capable of withstanding appropriate loads.

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- 1 Item, Položka, Element, Artikel, Artículo, Tuote, Élément, Articolo, Onderdeel, Artikkel, Pozycja, Item, Objekt.
- 2 Serial Number, Sérjové číslo, Seriennummer, Seriennummer, Número de serie, Sarjanumero, Numéro de série, Numero di serie, Seriennummer, Seriennummer, Numer seryjny, Número de série, Seriennummer.
- 3 Year of manufacture, Rok výroby, Produktionsår, Herstellungsjahr, Año de fabricación, Valmistusvuosi, Année de fabrication, Anno di produzione, Productiejaar, Produksjonsår, Rok produkcyj, Ano de fabric, Tillverkningsår.
- 4 Purchased from, Zakoupeno od, Købt af, Gekauft von, Comprado en (distribuidor), Ostopaikka, Acheté auprès de, Acquistato da, Gekocht bij, Kjøpt fra, Zakupione od, Adquirido de, Inköpt hos.
- 5 Purchase date, Datum nákupu, Købsdato, Kaufdatum, Fecha de compra, Ostopäivä, Date d'achat, Data di acquisto, Aankoopdatum, Kjøpsdato, Data zakupu, Data da aquisição, Inköpsdatum.
- 6 Name of Manufacturer, Výrobce, Producent, Hersteller, Fabricante, Valmistaja, Fabricant, Produttore, Fabrikant, Producent, Producent, Fabricante, Tillverkare.
- 7 Date of first use, Datum prvního použití, Datoen for første anvendelse, Datum der ersten Benutzung, Fecha del primer uso, Ensimmäinen käyttöpäivä, Date de première utilisation, Data del primo utilizzo, Datum van ingebruikname, Dato for første gangs bruk, Data pierwszego użycia, Data da primeira utilização, Datum för första användning.
- 8 Inspection date, Datum kontroly, Inspektionsdato, Prüfungsdatum, Fecha de inspección, Tarkistuspäivä, Date d'inspection, Data ispezione, Inspectedatum, Kontrolldato, Data przeglądu, Data da inspeção, Inspektionsdatum.
- 9 Reason (periodic examination (E) or repair (R)), Důvod (periodická prohlídka (E) nebo oprava (R)), Grund (periodisk undersøgelse (E) eller reparation (R)), Grund (regelmäßige Prüfung (E) oder Reparatur (R)), Motivo (examinación periódica (E) o reparación (R)), Syy (määräaikainen tarkistus (E) tai korjaus (R)), Motif (examen périodique (E) ou réparation (R)), Motivo (esame periodico (E) o riparazione (R)), Reden (periodiek onderzoek (E) of reparatie (R)), Årsak (periodisk kontroll (E) eller reparasjon (R)), Powód (przeгляд okresowy – E; naprawa – R), Motivo (inspeção periódica [E] ou reparação [R]), Orsak (periodiskt återkommande granskning (E) eller reparation (R)).
- 10 Conform, Odpovídá, Overholdelse, Bedingungen erfüllt, Conformidad, Vaatimustenmukaisuus, Conformité, Conforme, Voldoet aan, Samsvar, Zgodność, Conformidade, Efterlevnad.
- 11 Comments, Připomínky, Bemærkninger, Kommentare, Comentarios, Kommentit, Commentaires, Commenti, Opmerkingen, Kommentarer, Uwagi, Comentários, Kommentarer.
- 12 Signature, Podpis, Underskrift, Unterschrift, Firma, Allekirjoitus, Signature, Firma, Handtekening, Signatur, Podpis, Assinatura, Underskrift.

climb. work. rescue.

I|S|C

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