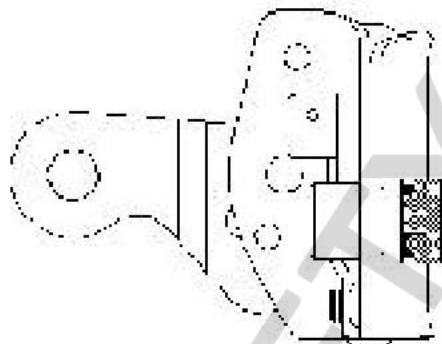
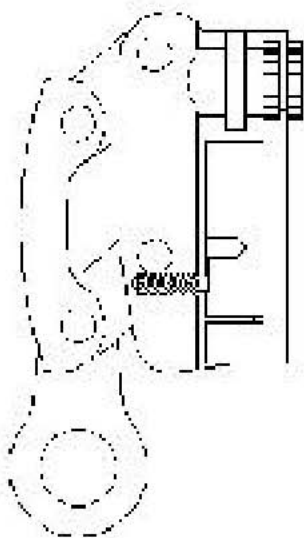


# fall arrest equipment

rope grabs on textile rope - Stopfor S and AC Series



**operating  
and  
maintenance  
instructions**

**CE** equipment in  
accordance with  
CE directives

 **Tractel** Group

## 9. WARNINGS AGAINST HAZARDOUS OPERATIONS

The use of the STOPFOR S & AC02 rope grabs in accordance with the instructions set out in this manual offers maximum security. Users should however be warned against unauthorised operations given below.

### It is forbidden to:

- use equipment which has not been inspected.
- use the equipment without a minimum clearance of 3 m.
- use the equipment in combination with any material other than that described in this notice (ropes, rope grabs,...).
- anchor the textile rope below the user.
- deviate from the vertical of the anchorage point by more than 30°.
- use the equipment in an area where there are risks from swinging.
- use a knotted or looped textile rope.
- use equipment previously involved in a fall arrest incident.
- use the equipment -textile rope and rope grab for more than one person at the same time.
- use the equipment for purposes other than the intended use.
- hinder free movement of the system
- attach the equipment by means other than the attachment point.
- lock the equipment in a fixed position or hinder self-alignment along the direction of load
- use the textile rope for slinging.
- work at full length of textile rope (minimum length: 5m)
- insert foreign substances into the equipment (paint, plaster,...)
- strike the casing of the rope grab.
- play with the equipment (for example "bungee" jumping).
- play with the equipment (for example "bungee" jumping).

## 10. TROUBLE-SHOOTING

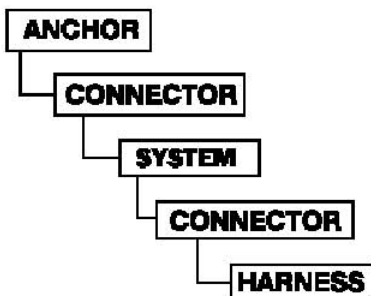
### Unit blocked

If the unit is **blocked** return it to TRACTEL S.A. for inspection and repair.

## 11. PERMISSIBLE ATTACHMENTS

In conformity with EN 363 this equipment may be integrated into a fall arrest system which shall comprise:

- an anchor device(EN 795)
- a connector (EN 362))
- **the rope grab and textile rope (EN 353-2)**
- a connector (EN 362)
- a fall arrest harness (EN 361)  
(a back attachment point is recommended)



### Any other combination is forbidden

In Europe this equipment carries a CE marking obtained after CE type approval tests. Manufacture is subject to monitoring. A CE declaration of conformity accompanies the product at the time of purchase.

## 12. STATUTORY INSPECTION

Any company providing personal fall arrest equipment to employed persons must ensure that the obligations under safety at work regulations are fulfilled and that its employees have been fully and properly trained in the safe operation of the equipment.

In Europe such equipment must be periodically inspected in accordance with directive 89/656/EEC, dated 30/11/89 (at least annually by TRACTEL S.A. or by a TRACTEL S.A. approved repairer).

The annual inspection allows a one year extension of operation, but with a maximum time limit of 10 years.

#### 5. Checking the surrounds:

- Check that the textile rope is not liable to contact any sharp edges.
- Check that the textile rope of the rope grab is not liable to come up against and/or come into contact with a cable or a power line or any pipes carrying fluids.
- Do not expose the textile rope to a temperature exceeding 100°C or to mechanical or chemical corroding agents.
- Ensure that there is a competent person nearby to help in the event of an emergency.

#### ▲ WARNING ▲

**The textile rope is an elastic item requiring a certain amount of clearance to avoid collision**

#### 4. ANCHORING

#### ▲ WARNING ▲

**Defective anchoring may cause a serious risk of an risk. Before starting operations the operator must always check that the equipment anchoring point complies with EN 795 (10 kN).**

#### ▲ WARNING▲

For safe use of the equipment it is essential to ensure that the anchor point is above the user and that the connectors are locked correctly.

#### 5. INSTALLATION ON TEXTILE ROPE

- Release the locking catch (AC02 only);
- Unscrew the serrated button, (on the STOPFOR S press the release lever simultaneously);
- Open the unit by positioning it according to the directional arrow located on the casing, with the arrow **pointing upwards**;
- Position the textile rope along the jaw(s);
- Close the unit by screwing up the serrated button, (on the STOPFOR S the release lever automatically locks into position when the serrated button is fully screwed home);
- (AC02 only) close the locking catch.

#### ▲ WARNING ▲

**Observe the correct positioning of the unit on the textile rope in accordance with the directional arrow. Otherwise the unit will not operate correctly.**

#### 6. OPERATION

##### STOPFOR S

- With the unit correctly attached to the textile rope and connected to the harness the user has no more to do to operate the fall arrest system. The unit runs freely.

##### AC02

- With the unit correctly attached to the textile rope and connected to the harness the user positions himself in the working position and adjusts the length of the system by manually moving the unit which is opened by hand pressure. A minimum amount of slack in the textile rope allows the user to work without interference.

For all models:

- In the event of a fall the user is restrained immediately by the system.
- When in an area which does not present any danger of falling the user may detach the rope grab from the harness.

#### 7. TAKING OUT OF SERVICE AND STORAGE

After having removed the rope grab and its textile rope, store the equipment in a dry sheltered place; the connectors should be in the closed position and the textile rope coiled.

#### 8. CHECKS AND MAINTENANCE

**(frequency: monthly)**

**▲ The good condition of the textile rope and the rope grab is a guarantee of safety.**

- Clean the outside (use soapy water for textiles and solvent for metal parts), allow to dry in air, away from the sun and from any direct heat and sheltered from damp.
- Oil hinged parts; grease threads and wheel springs.
- Any metal part showing signs of damage or deformation shall be removed from service and scrapped.
- Unreel the textile rope and check visually.

## 1. PRESENTATION AND DESCRIPTION

The STOPFOR S or AC02 is a portable personal fall arrest system on a textile rope, with automatic or manual control.

The system comprises:

- a specially designed polyamide 14 mm diameter textile rope available in various lengths (multiples of 10m). It is fitted with a ring spliced buckle allowing it to be mounted at the upper anchor point. At the lower end there is a stop splice to prevent the rope grab running off the rope. The rope aligns itself by its own weight (> 5 m). (One rope strand has a label identifying the date of manufacture; on another there is a label indicating that it is in accordance with the standard.)
- either :
  - ✦ a STOPFOR S rope grab for use in the vertical position and movement on the TRACTEL textile rope is free normal user operating speed. If the user falls locking of the STOPFOR S is activated by the speed differential between the user and the equipment on the textile rope. The energy generated is absorbed by the textile rope and by the sliding movement of the rope grab on the textile rope.
  - ✦ or, a STOPFOR AC02 rope grab for use in vertical or inclined positions and its positioning on the TRACTEL textile rope is controlled by the user. Locking is by means of two self-closing cams. The energy generated is absorbed by the textile rope and by the sliding movement of the rope grab on the textile rope. The textile rope may be used in two ways:
    - \* restrained, with the textile rope under tension, assure restricted operation...
    - \* free hanging, with the textile rope not tensioned, which in the event of a fall limits the distance that the user falls..
- with an optional permanently fitted lanyard allowing the user a degree of freedom and facilitates installation of the rope grab on the textile rope.

**It is recommended that the textile rope be of a length suitable for the intended travel to ensure continuous protection.**

## 2. INSTALLATION PRINCIPLE

The STOPFOR S or AC02 must be attached to the harness by a lanyard (see the harness operating manual for the available anchor points). It must be correctly positioned (directional arrow pointing upwards) on the

textile rope, the upper end of which must be anchored to a point (with a minimum strength of 10 kN) using a connector in accordance with EN 362.

N.B. : Whatever the type of assembly, if the equipment is attached directly to a fixed point it must be capable of alignment without difficulty along the direction of the load in the event of a fall or in the direction of the effort.

### ▲ WARNING ▲

Any assembly requiring the construction of an anchorage point must be inspected by a competent specialist.

**For any assembly other than those described in this notice do not hesitate to contact TRACTEL S.A. For Belgium and Luxembourg, contact SECALT S.A. or a competent specialist before starting operations.**

## 3. CHECKS PRIOR TO USE

Checks to be carried out before each set up:

1. Checking the rope grab
  - checking the condition: Reject any equipment showing signs of wear, traces of rust, etc....
  - checking the operation:
    - ✦ STOPFOR S : check the correct operation of the mechanism: lift the unit by the end connector so that it moves freely on the rope; release the connector; the unit locks onto the rope.
    - ✦ AC02 : check that the jaws move freely.
  - check that the anchoring of the textile rope is above the user and in line with the working position, within a limit of 30°.
2. Checking the harness:
  - Observe the instructions in the harness manual.
3. Checking the connectors:
  - Observe the instructions in the connector manual.
4. Checking the potential fall area:
  - Check that the potential fall area is free from obstacles
  - Clearance must allow the user's fall to be stopped before encountering any obstacle; allowing for a 3 m safety distance
  - Ensure that no obstacle is liable to be struck because of swinging

▲ WARNING ▲

1. For safe and efficient use of STOPFOR rope grabs it is essential, prior to use, to read, understand and comply with the advice given in this notice. This notice must be made available to all users. Additional copies may be supplied on request.
2. Before using, operators shall have received adequate training...
3. The STOPFOR rope grabs from TRACTEL are safety devices for the individual protection of the operator in the event of a fall. It is recommended that the equipment be allocated to a single user who, after training, shall be responsible for its use and maintenance.
4. Never use equipment which is not visibly in good condition. Visual inspection is recommended prior to each use. Any equipment showing signs of deterioration should be returned to TRACTEL or the distributor.
5. TRACTEL S.A. declines any responsibility for the consequences of dismantling the equipment or for any modification not carried out by the company or authorised persons. Specially excluded is the replacement of original parts by parts from other sources.
6. The STOPFOR rope grabs described in this notice shall be used exclusively for personal protection purposes.
7. Never use the equipment for the protection of more than one person at a time.
8. Any equipment involved in a fall arrest event must **not** be re-used until such equipment has been inspected by a competent inspector from TRACTEL S.A. or by a TRACTEL approved specialist.
9. STOPFOR rope grabs shall not be used in an explosive atmosphere or in any chemical environments. For such applications please contact us.
10. Observe the associated products recommendations in order to obtain a fall arrest system in accordance with standard EN 363 (see chapter 11).
11. **IMPORTANT** : if the equipment is to be used by employed persons, check that you meet your obligations with respect to safety at work regulations (see chapter 12).

▲ WARNING ▲

It is forbidden to use any combination of equipment other than that described in this notice (textile rope, STOPFOR S and AC02, lanyards,...).

SPECIAL APPLICATIONS

For safe lifting of materials and equipment and for any special application, do not hesitate to contact TRACTEL S.A. For Belgium and Luxembourg, contact SECALT S.A.

SPECIFICATIONS

Mobile rope grabs on textile rope in accordance with EN 353-2.

Models	STOPFOR S	STOPFOR SL-10	STOPFOR SL-41	AC02	AC02L-10	AC02L-41
Weight (kg)	0.470	0.720	0.810	0.670	1.020	1.110
Dimensions (mm)	80X95X65	80X95X65	80X95X65	125X70X55	125X70X55	125X70X55
Textile rope (dia.)	PA14	PA14	PA14	PA14	PA14	PA14
Operation	automatic	automatic	automatic	manual	manual	manual
Lanyard (length - m)	-	0.3	0.3	-	0.7	0.7
Connector	-	M10T	M41T	-	M10T	M41T

The textile rope is available in various lengths (multiples of 10 m). It is fitted with a ring spliced buckle allowing it to be mounted at the upper anchor point.



## Original manual

### Contents

Product description

Warning

Specifications

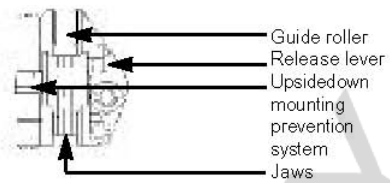
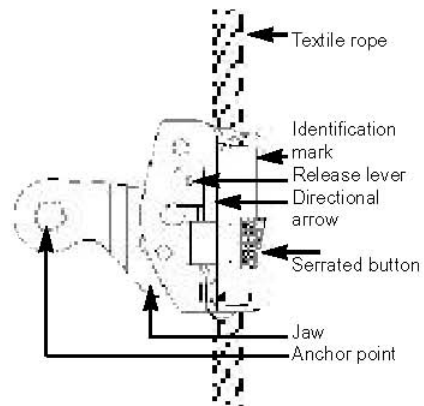
1. Presentation and description
2. Installation principle
3. Checks prior to use
4. Anchoring
5. Installation on textile rope
6. Operation
7. Taking out of service and storage
8. Checks and maintenance
9. Warnings against hazardous operations
10. Troubleshooting
11. Permissible attachments
12. Statutory inspection

*Always concerned to improve the quality of its products, the TRACTEL Group reserves the right to modify the specifications of the equipment described in this manual.*

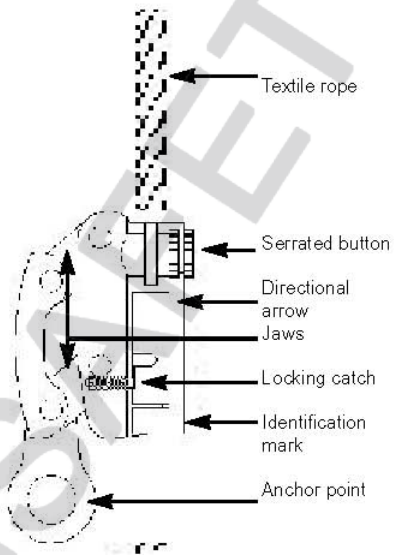
*The companies of the TRACTEL Group and their agents or distributors will supply on request descriptive documentation on the full range of TRACTEL products: lifting and pulling machines, permanent and temporary access equipment, safety devices, electronic load indicators, accessories such as blocks, hooks, slings, ground anchors, etc...*

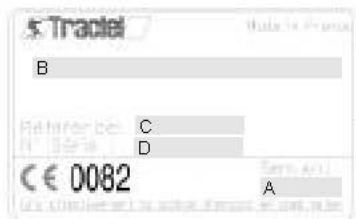
The network is able to supply an after sales and regular maintenance service. Should you have any queries or require technical assistance, please do not hesitate to contact us.

## STOPFOR



## AC02





**▲ WARNING ▲**

- \* Copy the details in the area below:
- from the product label when it is fitted with a lanyard;
  - from the identification mark when the product is supplied on its own.



Date of manufacture\* (A) \_\_\_\_\_

Type of product\* (B) \_\_\_\_\_

Product reference\* (C) \_\_\_\_\_

Serial number\* (D) \_\_\_\_\_

Name of user \_\_\_\_\_

Date of purchase \_\_\_\_\_

Date of first use \_\_\_\_\_

ANNUAL INSPECTION				
DATE	INSPECTION	ACTION	INSPECTED BY	SIGANTURE
	<input type="radio"/> ACCEPTED	<input type="radio"/> REPAIR		
	<input type="radio"/> REFUSED	<input type="radio"/> DESTRUCTION		
	<input type="radio"/> ACCEPTED	<input type="radio"/> REPAIR		
	<input type="radio"/> REFUSED	<input type="radio"/> DESTRUCTION		
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Connecting other fall arrest items - See chapter: Permissible attachments

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 HALFWAY - SHEFFIELD S 20 3GA  
 Tel. (0114) 248 2266  
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**SECALT S.A.**  
 3, rue du Fort Dumoulin  
 Boîte postale 1113  
 L-1011 Luxembourg  
 Tél. 43 42 42 - Fax 43 42 14