



## **AVANTI RELEASE-STRAP for AVANTI CLIMB ASSISTANCE**

**User's Manual**

# AVANTI RELEASE-STRAP

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## Limited Warranty

Avanti Wind Systems A/S warrants that commencing from the date of shipment to the Customer and continuing for a period of the longer of 365 days thereafter, or the period set forth in the standard Avanti warranty, the AVANTI Release-Strap (“Product”) described in this Manual will be free from defects in material and workmanship under normal use and service when installed and operated in accordance with the provisions of this Manual.

This warranty is made only to the original user of the Product. The sole and exclusive remedy and the entire liability of Avanti under this limited warranty shall be, at the option of Avanti, a replacement of the Product (including incidental and freight charges paid by the Customer) with a similar new or reconditioned Product of equivalent value, or a refund of the purchase price if the Product is returned to Avanti, freight and insurance prepaid. The obligations of Avanti are expressly conditioned upon return of the Product in strict accordance with the return procedures of Avanti.

This warranty does not apply if the Product (i) has been altered without the authorisation of Avanti or its authorised representative; (ii) has not been installed, operated, repaired, or maintained in accordance with this Manual or other instructions from Avanti; (iii) has been subjected to abuse, neglect, casualty, or negligence; (iv) has been furnished by Avanti to Customer without charge; or (v) has been sold on an “AS-IS” basis.

Except as specifically set forth in this Limited Warranty,

ALL EXPRESS OR IMPLIED CONDITIONS, REPRESENTATIONS AND WARRANTIES, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT, SATISFACTORY QUALITY, COURSE OF DEALING, LAW, USAGE OR TRADE PRACTICE ARE HERBY EXCLUDED TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW AND ARE EXPRESSLY DISCLAIMED BY AVANTI. IF, PURSUANT TO ANY APPLICABLE LAW, TO THE EXTENT AN IMPLIED WARRANTY CANNOT BE EXCLUDED AS PROVIDED IN THIS LIMITED WARRANTY, ANY IMPLIED WARRANTY IS LIMITED IN TIME TO THE SAME DURATION AS THE EXPRESS WARRANTY PERIOD SET FORTH ABOVE. BECAUSE SOME STATES DO NOT PERMIT LIMITATIONS ON THE DURATION OF IMPLIED WARRANTIES, THIS MAY NOT APPLY TO A GIVEN CUSTOMER. THIS LIMITED WARRANTY GIVES THE CUSTOMER SPECIFIC LEGAL RIGHTS, AND THE CUSTOMER MAY HAVE OTHER LEGAL RIGHTS UNDER APPLICABLE LAWS.

This disclaimer shall apply even if the express warranty fails its essential purpose.

# AVANTI Release-Strap

The AVANTI Release-Strap is never TO BE USED AS PPE. The Release-Strap is only to be used as a breakaway system from the hoist when ascending the ladder by use of the AVANTI Climb Assist System. AVANTI recommends that any use of the Release-Strap may only be performed after serious supervision from an expert. An expert is a person who is trained by Avanti.



**CAUTION:** The AVANTI Release-Strap shall be fitted with an existing installed AVANTI Climb Assist. Using the Release-Strap on the Climb Assist without being connected to a vertical fall protection system at the same time is hazardous and can cause serious injury or death.

The AVANTI Release-Strap may only be operated together with a mounted runner/slider on a vertical Fall Arrest System. It has to be fitted at the highest point in the chest attachment of the full body harness, with the runner/slider attached beneath the Release-Strap.

Using the AVANTI Release-Strap as an item for fall protection is **PROHIBITED** and will cause serious injury or death.



**Warning:** All required protective equipment must be worn and all local safety rules and regulations must be followed at all times during use of the AVANTI Release-Strap. Additional use of the vertical Fall Arrest System is required at all times during operation.



**Danger!**

Do NOT misuse the Release-Strap. Any use apart from the directions in this Manual can cause serious injury or death.

Do not store the Release-Strap in direct sunlight

The Release-Strap must be kept clean and free of oil, grease, paint and chemicals.

# The AVANTI Release-Strap

## 1. Instructions for use

The AVANTI Release-Strap is only to be used as a connecting clutch between the hauling rope and the climber when climbing with support from the AVANTI Climb Assist.

If a fall should occur during climbing, the Release-Strap will open and separate the person from the rope in the Climb Assist System, in order to let the Fall Arrest System activate and catch the person falling.



Picture 1

## 2. Regulations for the holder of the equipment

Before any use, it is necessary to check the Release-Strap and make sure it is fulfilling the following 3 demands:

- The carabiner and rope clamp shall have their original shapes and must be without any deep scratches, corrosion and fractures.
- The opening and lock functions in the carabiner and rope clamp has to operate in the original manner.
- The strap needs to have its original form without any holes, beginning ruptures, broken stitches, etc.

It is important for the user to check and prepare the full body harness before ascending the ladder and also to make sure it is properly fitted. Further, the user should make sure that the Release-Strap carabiner is anchored above the Runner/Slider attachment of the centered chest attachment of the fully body harness and that the Runner/Slider is beneath that, as shown in pictures 2 and 3 below.

## The AVANTI Release-Strap

Identify whether the Fall Arrest System on the ladder is fitted according to its Manual.  
Make sure the Climb Assist is in proper condition according to the inspection section in the User Manual.



The Runner/Slider attachment in the harness always has to be executed with the Release-Strap attached on top of the Runner/Slider connector.

Picture 2



The Release-Strap is mounted on the hauling rope in the Climb Assist.

The Runner/Slider placed in the Fall Arrest System and correctly attached in the full body harness below the attachment of the Release-Strap.

Picture 3

# The AVANTI Release-Strap

### 3. Maintenance and storage

Cleaning the metal is done by wiping it clean with a dry rag. Strap material can be cleaned with water and soap at a maximum water temperature of 30° Celsius.

After cleaning the strap – allow it to dry at living room temperature

### 4. Periodic inspections

Every year (a 12-month period) AVANTI recommends an inspection of the Release-Strap. This inspection can be executed by anyone (not a PPE) who is able to examine metal parts, strap and stitches closely.

If the Release-Strap is dirty before its yearly inspection, it has to be cleaned before the inspection.

The yearly inspection procedure is performed as described in the picture below.



# The AVANTI Release-Strap

After its yearly inspection, AVANTI recommends that the Release-Strap is marked with a sticker or a similar item informing the reader that the next inspection will occur in 12 months, and that the record-card in this Manual shall be updated at the time of next year's inspection.

## 5. Application period

Under normal user conditions, the Release-Strap has a life expectancy of 5 years. After 5 years we recommend its return to AVANTI for renovation.

## 6. Repair

Repair, modification or additions to the Release-Strap must be carried out exclusively by a competent person or the Manufacturer.

## 7. Marking

The Release-Strap is labelled as follows:



### Warning!

When using the Release-Strap, always attach it properly and keep it free from the fall protection (Runner/Slider) and any other obstacle during its operation (see pictures 2 and 3).

## 8. Safety notes

The AVANTI Release-Strap is not a PPE.

## 9. Application

The function of the Release-Strap is to separate the climber from the Climb Assist in case of a fall during climbing with the Climb Assist. The separation described above is to ensure that the Climb Assist will not obstruct the vertical ladder safety from functioning properly in case of a fall.

## Inspection

### Ladder

OK      not OK

Ensure that ladder and ladder mounting fulfil relevant inspections and standards.

### AVANTI Release-Strap

OK      not OK

Release-Strap locking plug(s) fully inserted

Release-Strap is properly fixed, check manually by twisting / pulling.

Release-Strap plate, clamp(s) and locking plug(s):  
No cracks, deformities or other damages.

Are carabineer and grab without any signs of corrosion or deterioration?

Does carabineer and grab lock properly?

Release-Strap marking clearly readable

If the AVANTI Release-Strap is found not OK, it must be removed / replaced by a new AVANTI Release-Strap!

The result of the periodic examination must be recorded in the equipment registration.



