



AVANTI SPINE ANCHOR – SAFETY POINT
User's Manual and Installation Instructions

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User's Manual and
Installation Instructions

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CE APPROVAL CERTIFICATE

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Customer Avanti Wind Systems A/S
Customer address Høgevej 17-19, 3400 Hillerød, Denmark
Project No. PPE900000
Product Tested Product tested by Force Technology, Denmark in July 2007
Test Certificate Ref Dantest Test Certificate File Ref. 107-32434.a , 107-32434.b & 107-32434.c
Product Class A1 Structural Anchorage
Model Avanti Spine Anchor Point
Parameters Class A1 Anchorage for use in Avanti Lifts. The device comprises a powder coated angled steel plate complete with a machined attachment eye for attachment of a maximum of two lanyard karabiners. Drilled mounting bolt holes allow fixing of the anchor to the spine of the Avanti Lift via 2 x M12 x 35 mm bolts and locking nuts. See Product Identification below.
Category of PPE III
Method of Test Tests were carried out to the appropriate clauses of EN795:1996
Remarks The above mentioned product fulfils the essential health and safety requirements of directive 89/686/EEC and its amendments.

Approved By

Checked by

Distribution

Avanti Wind Systems A/S: 1 Copy
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Warning: This CE Approval certificate is only valid when used in conjunction with a current Article 11 Quality Control System administered by an approved notified body in accordance with PPE Directive 89/686/EC.

****End of Certificate****

Caution

AVANTI SPINE ANCHOR is an anchor point used for protection against falls from heights intended for use with a full body harness approved according to EN 361. Connection to the SPINE ANCHOR is only allowed by using self-closing connectors according to EN 362. Use in connection with other equipment than specified, may be potentially dangerous. In case of doubt, please contact AVANTI.

4 AVANTI SPINE ANCHOR is tested and approved only to be mounted on AVANTI lifts. This manual always needs to be represented in language of sale. Activities at height are dangerous and may lead to severe injury or even death.

Gaining an adequate apprenticeship in appropriate techniques and methods of protection is important and is your own responsibility.

Users are obliged to read and understand this User Manual. Further they need to be proper equipped and instructed with the use of the necessary fall arrest equipment and emergency procedures in case of

injury or sudden illness.

Users going to install AVANTI SPINE ANCHOR need to be familiar with the installation section of this manual. It's essential to the safety, that the user always attach the energy absorber as high as possible above his/her position, to minimize the fall distance most possible in case of a fall.

The position of the anchor point is crucial for fall arrest – the height of the fall, elongation of lanyard and energy absorber or pendulum movement of the user should be considered in order to minimize the risk of impact in obstacles in case of a fall. It's prohibited for the user to do many modifications or use non original Avanti components when assembling AVANTI SPINE ANCHOR.

Re-use of demounted AVANTI SPINE ANCHORS or parts is not allowed. Any changes or other uses beyond this manual are strictly forbidden.

Danger

The AVANTI SPINE ANCHOR is only to be used by two persons at a time. It is strictly forbidden to carry out work if the person is in unfit mental or physical condition. Climbing and working under the influence of alcohol, drugs or any medication which can interfere with the safety are also much prohibited.

If there are any doubts to the safety of the AVANTI SPINE ANCHOR, or it isn't proper fixed, deform or damaged with cracks or similar incompatible harms it may never be used – Please contact the manufacture immediately. In case of corrosion the anchor immediately needs to be removed.

OBS:

Only to be used by instructed workers!

Only to be used for preventing vertical fall!

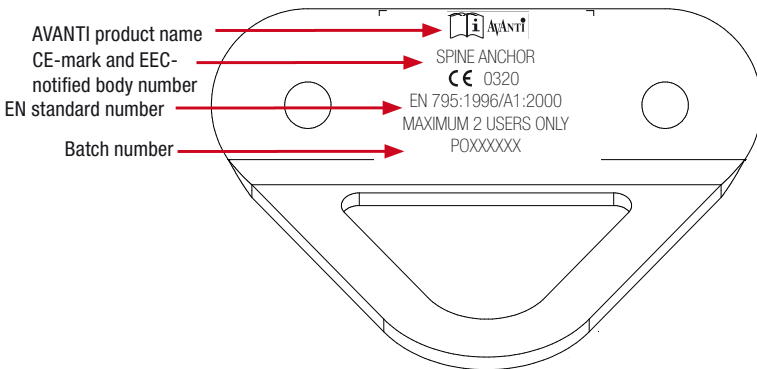
Only to be used for fall arrest, not to hoist or hang in goods or similar!

Before attaching in the ANCHOR the user needs to check it is sitting fixed and screws are sitting tight and proper.

If AVANTI SPINE ANCHOR has arrested a fall it may never be used again.

Marking & Installation

Marking on Spine Anchor plate:



AVANTI SPINE ANCHOR is tested and approved only to be installed on AVANTI lift. AVANTI SPINE ANCHOR has to be screwed with two bolts DIN 933 A2-70 M12x35 mm, 4 washers DIN 125A A4 and self locking nuts DIN 985 A4 M12. In case of doubt, please contact AVANTI. Before installing the AVANTI SPINE ANCHOR in heights, assure to be proper secured against fall from height by using relevant fall arrest equipment.

AVANTI SPINE ANCHOR:

1. Present the SPINE ANCHOR over the lift's spine.



2. Insert the screws with a washer on each of them in the spine's holes. Place the second washer and the nut on each screw.

3. Torque the nuts with 40 N.m.



4. Make sure the Anchor is fully seated and properly tighten.



5. Carry out yearly inspection by following the procedure in the section "Inspections".



Maintenance and storage

If the ANCHOR gets dirty clean with plain water, and wipe water of with a dry rag. Store the anchor in a dry environment and always kept away

from acid, paints or similar. During transportation or storage, don't squeeze ANCHOR beneath heavy goods.

Lifetime

It is well-known that equipment deteriorates progressively in use. It is difficult to give an exact lifetime, because it depends on the intensity and frequency of use and the environment in which the equipment is used.

This device is intended to be used for the lift lifetime which is 20 years dated from the 1st installation. However, if there is any sign of spoilage Spine Anchor may be removed.

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Inspection

Before use:

Each time using the AVANTI SPINE ANCHOR the user inspects the ANCHOR visual and manually by twisting / pulling. Check the parts are proper fixed and free of deformities, damages, cracks or similar unacceptable defects.

Periodical examination:

A periodic examination at least

every 12 month is essential for the safety of the AVANTI SPINE ANCHOR. The examination must be performed by a competent person following the inspection form in this manual.

For the AVANTI SPINE ANCHOR the competent person only needs to be trained in any metallic component covered by the European standard norms for fall arrest equipment.

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