



## Instructions guide

 **AEROSTEP®**

Portable ladder with working platform



*Because we care!*



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### 1. Foreword :

Aerostep® ladders are intended for professional use only.

The Aerostep® ladders have been designed in accordance with the current standards ; EN 131.1, 131.2, 131.3 and EN 131.7

It is a tool that requires precautions of use:

- Always perform a visual inspection of the condition of the ladder and accessories (see Annexe 1)
- Make sure you understand the visual indications

The accessories (runners, slides, compensators, handrail) must be in good condition and not have any deformation or abnormal condition

#### Product description :

Aerostep® are proposed in composite or aluminium profiles to adapt to your interventions.

Designed for electricians, telecom technicians and to a certain extent for industrial maintenance, Aerostep® are Portable Ladder with Working Plateform. They combine lightness and sturdiness to optimize the working conditions of the user in difficult to access areas.

A range of accessories and configurations is available to best suit your working conditions.

## 2. Description of the product

### PORTABLE LADDER WITH WORKING PLATFORM

COMPLIANT WITH **NFE 85-211** | **EN 131.7** | **DÉCRET 924-2004**



Non-contractual information and photographs - Model sheet V 07.2 - AUDINNOV

Equipment compliant with NFE 85-211 & EN  
131.7 standards

## AEROSTEP COMPOSITE



	Maximal Height platform	Weight	Open Length	Closed Length
301107	3,20 m	22 kg	4,50 m	3,10 m
301108	3,80 m	24 kg	5 m	3,40 m
301109	4,30 m	29 kg	5,50 m	3,70 m
301110	4,90 m	32 kg	6 m	4 m
301111	5,40 m	35 kg	6,50 m	4,30 m
301112	6 m	38 kg	7 m	4,60 m

## AEROSTEP ALUMINIUM

301305	2,30 m	18 kg	3,50 m	2,50 m
301307	3,20 m	22 kg	4,50 m	3,10 m
301308	3,80 m	24 kg	5 m	3,40 m
301309	4,30 m	29 kg	5,50 m	3,70 m
301310	4,90 m	32 kg	6 m	4 m
301311	5,40 m	35 kg	6,50 m	4,30 m
301312	6 m	38 kg	7 m	4,60 m

### Product description

**AEROSTEP** is the first equipment designed for short duration work to be carried out with portable equipment.

This new generation of ladders meets the needs of users in the field and decision-makers who have a responsibility. They integrate a secure platform and regulatory stability in compliance with the 2004-924 decree.

### 3. General conditions of use and precautions :

#### a. Operator Prerequisites:

- **Know how to deploy an 8m ladder**
  - **Understand how to set up the stability elements**
  - **Know the technique of progression on the ladder (have 3 points of support when you climb up or down a ladder).**
  - **Wear protections : shoes/gloves/helmet**
- ✓ The ladder should never be repositioned from above or while a user is standing on the ladder.
  - ✓ Maintain a handhold when working from a ladder or take additional safety precautions if you cannot.
  - ✓ Inspect the ladder after delivery and before first use for condition and function of all parts.




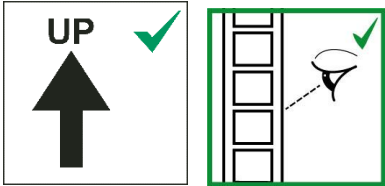

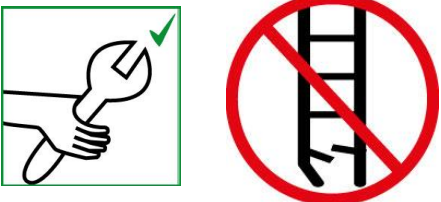
#### b. Set up and use


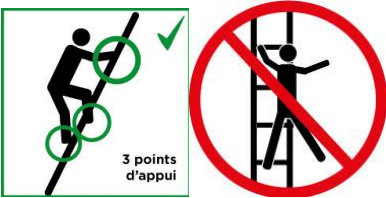
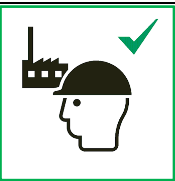
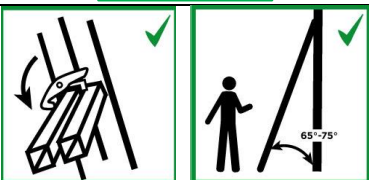

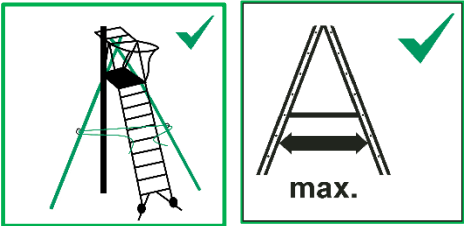


- ✓ When repositioning the ladder, consider the risk of collision with the ladder, e.g., with pedestrians, vehicles or doors. If possible, secure doors (not emergency exits) and windows in the work area.
- ✓ Secure and mark your work area (secure doors but not emergency exits, marking near a road etc)
- ✓ **Respect the following conditions of use:**
  - Maximum lateral tilt: 40%, i.e. 400mm for 1m
  - Cold / frost: do not position the supports on frozen areas
  - Thunderstorms: forbidden to use






#### c. Storage and transportation

- ✓ It should be stored in an upright position and where it will not be damaged by vehicles, heavy objects or contaminants.
- ✓ When transporting ladders on roof racks or in a truck, make sure they are properly positioned to prevent damage.



Pictograms	Explanations of the visual indications
	<ul style="list-style-type: none"> <li>✓ Wear appropriate protections when climbing the ladder.</li> <li>✓ Preferably wear safety shoes with unhooked heels.</li> <li>✓ Equipment worn when using a ladder should be light and easy to handle.</li> </ul>
	<ul style="list-style-type: none"> <li>✓ Inspect the ladder after delivery and before first use for condition and function of all parts.</li> <li>✓ Read the operating instructions.</li> <li>✓ Before using a ladder at work, a risk assessment should be carried out in accordance with the legislation of the country of use.</li> </ul>
	<ul style="list-style-type: none"> <li>✓ Do not exceed the maximum total load of 150kg for the ladder type.</li> <li>✓ This equipment has a capacity of one person.</li> </ul>
	<ul style="list-style-type: none"> <li>✓ Ladders must be deployed in the proper position and locking devices must be fully secured before use.</li> <li>✓ A visual inspection must be made before each use. A check should be made at least once a year. Do not use a damaged ladder</li> <li>✓ Make sure the ladder is suitable for the task.</li> </ul>
	<ul style="list-style-type: none"> <li>✓ Change the anti-skid pads on your floor supports if they are worn,</li> <li>✓ Regularly check the condition of the profile and the retaining rails. If you notice any alteration in the material, place the ladder in quarantine for inspection.</li> </ul>
	<ul style="list-style-type: none"> <li>✓ All the parts that make up a ladder are available as spare parts. (Ropes, rungs, screws, rungs, stiles, plans, etc.) Never repair your ladder without verification by authorized personnel,</li> <li>✓ Do not use a damaged ladder.</li> </ul>

	<ul style="list-style-type: none"> <li>✓ It should be stored in an upright, flat position or on several hooks spaced less than 1 meter apart and where it is not likely to be damaged by vehicles, heavy objects or contaminants.</li> </ul>
	<ul style="list-style-type: none"> <li>✓ Always make sure you have 3 points of support when climbing a ladder. Keep a firm grip on the ladder when climbing up and down.</li> <li>✓ Face the ladder when climbing up and down.</li> <li>✓ Do not extend too far; the user should remain facing the ladder and not move off the axis of the ladder for the duration of the task.</li> </ul>
	<ul style="list-style-type: none"> <li>✓ Professional use</li> </ul>
	<ul style="list-style-type: none"> <li>✓ Ladders must be deployed in the proper position. Locking devices, if any, must be fully secured before use.</li> <li>✓ Make sure the ladder is suitable for the task.</li> </ul>
	<ul style="list-style-type: none"> <li>✓ When you lean your ladder on the edge of the road, it must extend 1 meter beyond the edge to allow you to descend safely,</li> <li>✓ Respect the visual indications for the good positioning of the ladder (red bar of road level, arrowing of the direction of the ladder, ect)</li> </ul>
	<ul style="list-style-type: none"> <li>✓ ALWAYS POSITION THE STABILIZER LEGS. The JXE stabilizer legs should be positioned in front of the support to ensure the stability of the Aerostep®. They should be opened to their maximum.</li> </ul> <div style="display: flex; justify-content: space-around; align-items: center;">   </div>

	<ul style="list-style-type: none"> <li>✓ Make sure you are fit enough to use the ladder. Certain medical conditions or medications, alcohol or drug abuse may make it unsafe to use the ladder.</li> </ul>
	<ul style="list-style-type: none"> <li>➤ Ladders should not be placed on slippery surfaces (such as ice, shiny surfaces, or heavily contaminated solid surfaces) unless additional effective measures are taken to prevent the ladder from sliding. Load distribution cups should always be used to prevent the ladder from sliding.</li> <li>➤ The ladder must rest on a flat, level and immovable base. They must rest on a flat, non-fragile surface.</li> </ul>
	<ul style="list-style-type: none"> <li>✓ Do not use the ladder as a bridge.</li> <li>✓ Do not extend too far and do not extend beyond the centerline of the ladder.</li> <li>✓ Avoid excessive side loads, such as drilling into bricks and concrete.</li> </ul>
	<ul style="list-style-type: none"> <li>✓ Identify any electrical hazards in the work area, such as overhead lines or other exposed electrical equipment.</li> </ul>
	<ul style="list-style-type: none"> <li>✓ Beware of the risk of falling:</li> <li>✓ Ladders should only be used for light, short-term work. Take regular breaks (fatigue is a risk).</li> <li>✓ Do not use the ladder outdoors in adverse weather conditions, such as strong winds; storms, floods etc.</li> </ul>



## 4. Instructions for the use of the ladder

## d. Deployment



**1** Open the support cradle.

**2** Place the guardrail on your lap, remove the locking pins.

Open the support cradle and lock it in the open position. \*

*\*Check the correct locking: the 2 pins must be correctly engaged*



**3** Set up the **AEROSTEP®**

4

To unfold the level compensators push the foot pedal.

Make sure the ladder is vertical.

*\*The handling wheels must be free and not in contact with the ground.*



5

Extend 2<sup>nd</sup> plane, pulling the rope down to unlock the ladder.

Once at the correct height, pull the rope back towards the ladder (to reposition the interlock) and release the rope.

Make sure you are always in contact with the support or wall (and stay in contact).



*\*Make sure that the support is perpendicular to the wall/post : the angle between the ground and the ladder must be between 65° and 75°.*

e. Installation of stabilizing elements



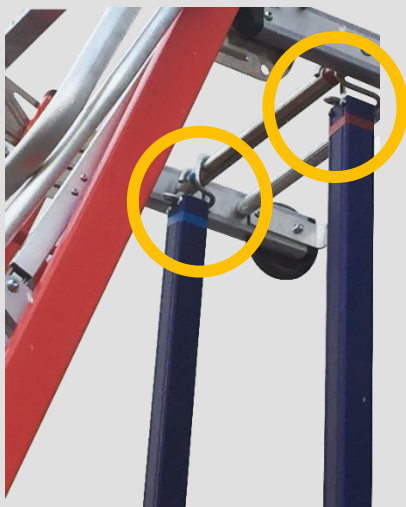
6

Each leg is color coded:

- Red for the leg equipped with the clamp
- Blue for the leg alone

7

Hook the pair of legs on the smooth stainless steel bar of the support cradle, respecting the color code.



8

Red leg on the right side.  
Blue leg on the left side.

Observe the following procedure:

9

- The clamp must be oriented towards the ladder
- The eccentrics of the maneuver must be directed towards the outside
- Cross your legs
- Position the clamp with the cane and screw firmly

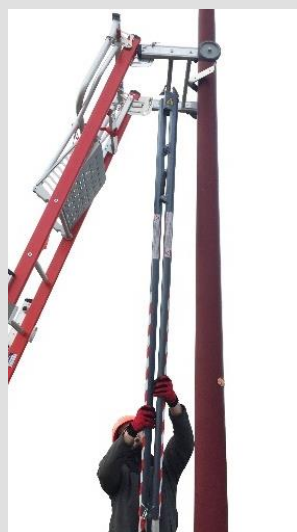


10

Caution !

Respect the correct position of the JXE stabilizing legs : the feet of the legs must be positioned in front of the support (post) or at least flush with the wall.

a. JXE monobloc



11

Hook the legs onto the stainless steel bar.

Open the legs and adjust the length with the eccentric.

Caution !

As the JXE DUAL, the legs of the JXE monobloc must be in front of the support.



12

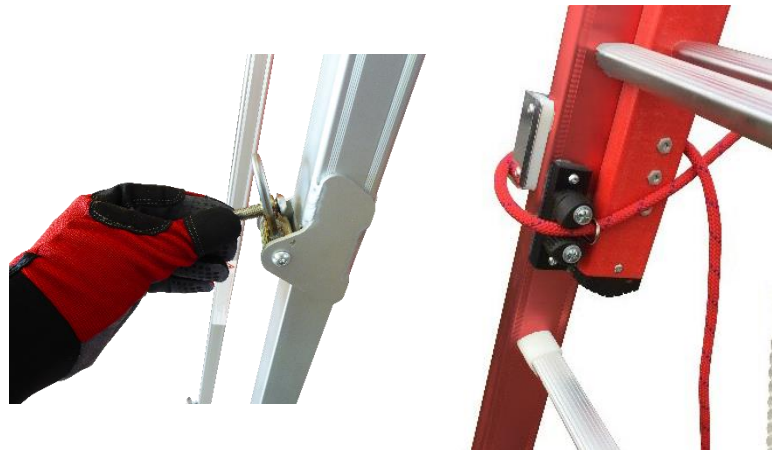


Always use the load distribution cups provided\*.

(\*required)

13

Pass the rope successively through the eccentric rings and the cleats.



14

Pull both ends of the rope to put moderate tension.



The installation of the safety rope is compulsory and allows to stiffen the structure.



## f. Opening the workstation

15

Climb the ladder, unhook the under rail, unlock the platform by unhooking the platform strap, and push the floor forward.



16

Once in your workstation:

- Push the connecting rods back until they come to a stop
- Check the alignment of the jumpers to the rods
- Lock the rear sub-beam with the hook, by inserting it in the connecting rod



## g. Closure &amp; relocation

17

Pull the floor towards you.

Pass the strap over the guardrail.

Lock to the floor rung.

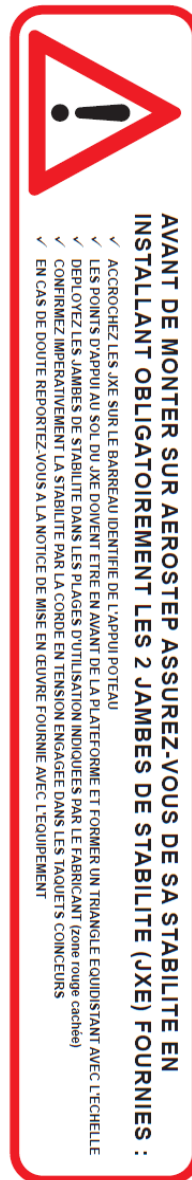




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**NFE 85.211**  
**NF EN 131-7**  
**CONFORME AUX**  
**EXIGENCES DE**  
**SÉCURITÉ DU**  
**DÉCRET 96.333**

REF : 20500074



CONSIGNES AVANT UTILISATION	
<ul style="list-style-type: none"> <li>• S'assurer d'une condition physique suffisante</li> <li>• Porter des chaussures de sécurité antidérapantes</li> <li>• Lors du transport bien arrimer l'équipement</li> <li>• Examiner l'échelle lors de sa mise en œuvre</li> <li>• Contrôler périodiquement l'état de l'équipement</li> <li>• Vérifier que le produit est adapté au travail</li> <li>• Ne pas utiliser une échelle endommagée</li> <li>• Procéder à une évaluation des risques professionnels</li> <li>• Ces instructions et leur mise à jour sont disponibles sur le site du fabricant : <a href="http://www.audinnov.fr">www.audinnov.fr</a></li> </ul>	
CONSIGNES D'INSTALLATION	
<ul style="list-style-type: none"> <li>• Le plancher doit être impérativement horizontal lors de l'accès</li> <li>• L'échelle ne doit jamais être positionnée depuis une position en hauteur</li> <li>• Procéder au marquage du périmètre du chantier en hauteur</li> <li>• Identifier tous les risques électriques</li> <li>• Régler les compensateurs de niveau pour obtenir un bon calage des pieds</li> </ul>	
CONSIGNES D'UTILISATION	
<ul style="list-style-type: none"> <li>• Ne pas dépasser la charge maxi d'utilisation</li> <li>• Ne pas tenter d'attendre un point trop éloigné latéralement.</li> <li>• Ne pas sortir de la plate-forme, rester à l'intérieur du garde corps et garder les 2 pieds sur le plancher</li> <li>• Ne pas descendre de l'équipement sans dispositifs de sécurité complémentaires</li> <li>• Ne pas utiliser cet équipement pour accéder à un autre niveau</li> <li>• Privilégier d'autres moyens pour des travaux de longue durée</li> <li>• Utiliser des échelles non conductrices pour des travaux sur ou à proximité d'une source électrique</li> <li>• Ne pas utiliser l'équipement si les conditions météo sont défavorables. Ex vent fort</li> </ul>	<ul style="list-style-type: none"> <li>• Sécuriser les portes sur le chantier mais pas les issues de secours</li> <li>• Monter l'échelle en lui faisant face</li> <li>• Tenir fermement l'échelle lors de l'ascension ou de la descente</li> <li>• Ne pas utiliser l'échelle comme un pont</li> <li>• Éviter les contraintes latérales excessives (traction ou percage)</li> <li>• Observer des interruptions régulières dans le travail</li> <li>• Utiliser un matériel léger et approprié et correctement dimensionné</li> <li>• Interdiction de hisser des charges depuis le poste de travail ou de faire un travail qui déséquilibre l'échelle</li> <li>• En dehors de la plateforme de travail toujours se tenir d'une main avec l'équipement</li> <li>• En cas de doute se reporter à la notice de mise en œuvre fournie avec l'équipement</li> </ul>

Lien YouTube

**AEROSTEP®**



AUDINNOV SAFETY FIRST



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Fabriqu<sup>é</sup> en France

Instruction guide Aerostep – V5.0 JANV 2022

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## 5. Annexe 1 : Verification sheet

Equipment reference :

Serial number :

Date of commissioning :

GENERAL	COMPLIANCE	OBSERVATION
Visual inspection of the general condition :	OK <input type="checkbox"/> NO <input type="checkbox"/>	
Control of the structural elements of the ladder:	OK <input type="checkbox"/> NO <input type="checkbox"/>	
Deterioration of the stiles:	OK <input type="checkbox"/> NO <input type="checkbox"/>	
Deformation of the rungs :	OK <input type="checkbox"/> NO <input type="checkbox"/>	
Control of the good sliding of the planes :	OK <input type="checkbox"/> NO <input type="checkbox"/>	
Control of the absence of wobbling of the planes :	OK <input type="checkbox"/> NO <input type="checkbox"/>	
Check that the rungs do not rotate:	OK <input type="checkbox"/> NO <input type="checkbox"/>	
Legibility of safety labels :	OK <input type="checkbox"/> NO <input type="checkbox"/>	
Functioning of the cleats:	OK <input type="checkbox"/> NO <input type="checkbox"/>	
Control of the level compensators :	OK <input type="checkbox"/> NO <input type="checkbox"/>	
SUPPORT CRADLE		
Fonctionnement / présence des goupilles de verrouillage :	OK <input type="checkbox"/> NO <input type="checkbox"/>	
MONOBLOC STABILIZATION LEGS JXE		
Control of hooking on the bar:	OK <input type="checkbox"/> NO <input type="checkbox"/>	
Control of the good sliding of the telescopic tubes :	OK <input type="checkbox"/> NO <input type="checkbox"/>	
Absence of deformation of the tubes :	OK <input type="checkbox"/> NO <input type="checkbox"/>	
Control of the efficiency of the spring of each eccentric :	OK <input type="checkbox"/> NO <input type="checkbox"/>	
WORKSTATION		
Control of the locking by the levers in deployed position :	OK <input type="checkbox"/> NO <input type="checkbox"/>	
Control of the correct deployment of the working platform :	OK <input type="checkbox"/> NO <input type="checkbox"/>	
Check the condition of the telescopic pins:	OK <input type="checkbox"/> NO <input type="checkbox"/>	
Visual check of the boom joint gussets:	OK <input type="checkbox"/> NO <input type="checkbox"/>	
Visual check of the guardrail and/or the sub-rails:	OK <input type="checkbox"/> NO <input type="checkbox"/>	
WASTE PARTS	COMPLIANCE	OBSERVATION
Visual control of the wear of the rubber pads:	OK <input type="checkbox"/> NO <input type="checkbox"/>	
Control of the state of the ropes :	OK <input type="checkbox"/> NO <input type="checkbox"/>	
PARTS TO REPLACE		
Bars		
Plan N°1		
Plan N°2		
Skate		
Braided rope D10,5 for the cleats and stranded rope D10 for the manoeuvre		
Complete set of rails and rods		
Pack of safety labels		
Others		
Date check :	VISA & CLIENT NAME :	
Date next control :		
VISA & NAME VERIFIER :		