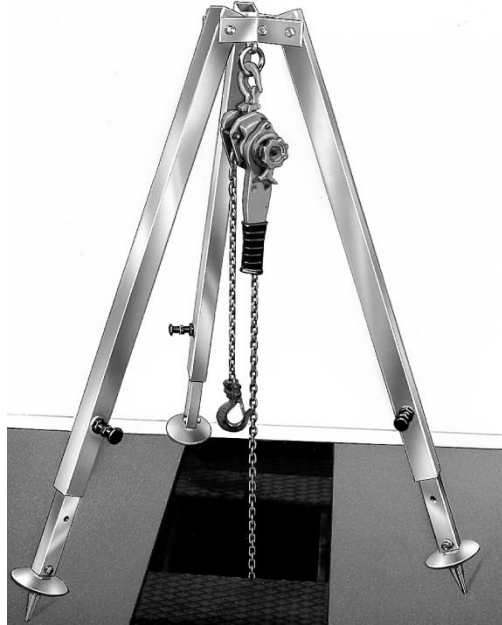


These operating instructions are for use on the construction site!

**Caution** Please respect and refer to the operating instructions and safety regulations prior to operation!



## Table Of Contents

Index	Page
1. Definitions	1
2. Safety Regulations	2
2.1 Utilisation As Directed	2
2.2 Utilisation In Line With Safety Regulations	2
2.3 Safety Measures	3
2.4 General Instructions	3
3. Specification	3
3.1 Construction	3
3.2 Specification	3
3.3 Accessories	4
4. Initial Operation	4
5. Control	4
6. Maintenance	5
7. Repairs	5
8. Inspections	5
9. Legal Requirements	6
10. Warranty And Liability	6
11. Inspection Sheet	8
12. EC Declaration Of Conformity	9

## 1. Definitions

**Danger** indicates a dangerous situation. If it is not avoided, it will cause death or major injuries.

**Caution** indicates a dangerous situation. If it is not avoided, it can cause light or minor injuries or material damage. It also indicates incorrect use.



## 2. Safety Regulations

### 2.1 Utilisation As Directed

The ESTIL Aluminium Tripod is designed for vertical lifting operations of freely moveable loads. It is constructed according to current standards and regulations. No other type of use is allowed. The suspension eye can be fitted to any material handling lifting equipment.

For outdoor operation the tripod is equipped with spikes as standard.

For operation on solid ground the spikes must be exchanged against rubber plates. On smooth ground additionally attach safety chain.

**Danger** The following must be respected:

- **Do not transport people and animals.**
- **No personnel are allowed to remain underneath the load or within the danger area: life threatening!**
- **Do not exceed** the safe working load of the tripod and the material handling lifting equipment.
- **Do not carry out** any alterations or modifications.
- **Do not pull** load to one side and **do not drag** load along the ground. Load must always be suspended in the true vertical position: **danger of overturning!**

**The following is not allowed:**

- **Do not lift** loads which have become stuck and which are likely to become trapped during the lifting process.
- **Do not allow** loads to break free or dragged.

### 2.2 Utilisation In Line With Safety Regulations

Although the ESTIL Aluminium Tripod is technologically advanced in its construction, however, misuse or use against manufacturer's instructions may prove hazardous.

**Danger** The following must be respected:

- Each operator must read in full, understand and follow both the operating instructions and the safety regulations prior to each operation. These measures are necessary to guarantee human safety and safety within the working area.
- Store the operating instructions within easy reach of where the equipment is used.
- No personnel are allowed to remain underneath the load or within the danger area!
- Prior to every operation a functional inspection of the tripod, material handling lifting equipment, wire rope/chain, load hook and fixing must be carried out.
- Should there be any defects which may affect the safety of the tripod, material handling lifting equipment, wire rope/chain, load hook or fixing, the equipment must only be used after repair. No opportunity should arise whereby it is possible to use the equipment prior to repair.
- **Respect the operating instructions of the material handling lifting equipment.**
- **Do not use** a damaged load hook. The load hook must be equipped with a safety lock.
- Load lifting and lowering must always be controlled. **Do not lift or lower** load with a sudden movement and **do not allow** load to free fall.
- Only original spare parts may be used.



- **Do not remove** any information signs. Replace illegible or damages signs.

The manufacturer does not assume any liability, if the equipment is not operated in accordance with these operating instructions. The contractor will lose all claims, if he modifies, carries out extensions or does not use original spare parts.

**2.3 Safety Measures**

**Caution** The following must be respected:

- Only personnel who have been fully trained or instructed in its use can operate the equipment.
- At regular intervals, check that work is being carried out safely.
- Keep to the intervals specified for periodic tests and record them.
- Store the operating instructions within easy reach of where the equipment is used.

**2.4 General Regulations**

- Safety Regulations and the Regulations for the Prevention of Accidents (e.g. UVV-VBG 9a).
- National regulations.
- Regulations listed in the EC Declaration of Conformity.

**3. Specification**

**3.1 Construction**

The ESTIL Aluminium Tripod is a manually operated lifting equipment with the following advantages:

- Light construction by aluminium legs.
- It is designed to be used with standard material handling lifting equipment.
- Telescopic height.
- All steel elements are galvanized.

**3.2 Specification**

Model	Safe Working Load	Length Of Legs L Min/Max	Clearenc Height* H Min/Max	Spreading Angle* Min/Max	Weight
AD – 25	<b>250 daN</b> (kg)	1.18 / 1.88 m	0.94 / 1.58 m	0.95 / 1.50 m	10 kg
AD - 50	<b>500 daN</b> (kg)	1.50 / 2.50 m	1.15 / 2.05 m	1.20 / 1.95 m	17 kg
AD – 50-3	<b>500 daN</b> (kg)	1.76 / 3.00 m	1.45 / 2.63 m	1.43 / 2.39 m	20 kg
AD - 100	<b>1000 daN</b> (kg)	2.00 / 3.00 m	1.38 / 2.54 m	1.65 / 2.35 m	27 kg
AD – 100-4	<b>1000 daN</b> (kg)	2.25 / 4.00 m	1.86 / 3.44 m	1.79 / 3.07 m	36 kg

\* Max spreading angle

**3.3 Accessories**

The aluminium tripod is delivered with suitable accessories. When wire ropes/chains or rigging equipment supplied by other manufacturers are used, a minimum safety factor of 5 must be guaranteed.

## 4. Initial Operation

The aluminium tripod is tested by the manufacturer according to the machinery directives. It is delivered fully assembled and ready for operation.

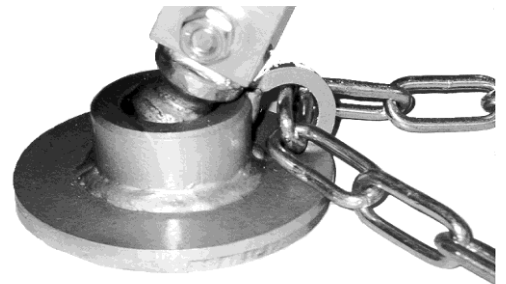
- Erection and initial operation may only be carried out by qualified personnel.
- Respect the operating instructions of your material handling lifting equipment (chain hoist, ratchet hoist ...).

## 5. Control

### **Caution**

The aluminium tripod is equipped with spikes for operation on soft ground as standard.

For operation on solid ground (e.g. concrete) exchange spikes against rubber plates. On smooth ground additionally attach safety chain. If the tripod with spikes is used on solid ground, the legs must be secured against sliding away!



- Adjust three legs to the length requested and secure via bolts. Put aluminium tripod in an upright position and pull apart legs regularly: **caution: danger of overturning!** Make sure that there is always the same distance between the legs (equilateral triangle). Make sure that the tripod is in a stable position and positioned upright.
- Now fit load in the load hook. The material handling lifting equipment must freely hang without touching the legs of the tripod.
- The load handling may only be carried out, if the operator ensures that the load is safely fitted in and that no personnel remain within the hazardous area.
- The operator has to watch all movements of the load and the load handling equipment. If not, seek assistance.

**Lifting, stopping, lowering:** according to the operating instructions of the material handling lifting equipment used.

- The contractor must ensure and the operator must take care that the admissible safe working load of the tripod and the material handling lifting equipment is not exceeded.
- The contractor must ensure that the aluminium tripod is safely installed in a vertical position. The ground must be able to carry all expected forces safely.

## 6. Maintenance

To guarantee perfect operation of the aluminium tripod, the operating instructions and the following maintenance works must be respected:

- Protect the tripod and the material handling lifting equipment against water and humidity.
- Respect operating instructions of the material handling lifting equipment.



<i>What ?</i>	<i>How ?</i>
<ul style="list-style-type: none"> <li>• <b>Dirt</b></li> <li>• <b>Wire rope / chain</b></li> </ul>	Cleaning Visual inspection: crushing points, brakes of individual wires
<ul style="list-style-type: none"> <li>• <b>Fixing of the material handling lifting equipment</b></li> </ul>	Visual inspection
<ul style="list-style-type: none"> <li>• <b>Load hook, safety catch</b></li> </ul>	Visual inspection: deformations, damages
<ul style="list-style-type: none"> <li>• <b>Screws, nuts</b></li> </ul>	Retightening
<ul style="list-style-type: none"> <li>• <b>Surface protection</b></li> </ul>	Repainting

If the operator finds any defects with the aluminium tripod, material handling lifting equipment, rope, chain or load hook he must ensure that the defects found are immediately repaired. If the user is not authorised to do so or if the user is not an expert, he must stop the operation and must report the defect to the authorised person immediately.

**7. Repairs**

- Repairs may only be carried out by experts or by the manufacturer.
- The company will accept no liability, unless only original spare parts are used.
- Do not carry out any alterations or modifications.
- A special inspection must be carried out by an expert or by qualified personnel before the equipment can be operated again.

**8. Inspections**

**Inspections carried out be the contractor / expert**

<i>When ?</i>	<i>How ?</i>
<ul style="list-style-type: none"> <li>• After delivery of the equipment</li> </ul>	Complete inspection by the contractor
<ul style="list-style-type: none"> <li>• Prior to initial operation</li> </ul>	Inseption by expert
<ul style="list-style-type: none"> <li>• Prior to each operation</li> </ul>	Visual and functional inspection
<ul style="list-style-type: none"> <li>• Depending on operation conditions, at least once a year</li> </ul>	Inspection by expert
<ul style="list-style-type: none"> <li>• After modifications, repairs</li> </ul>	Inspection by expert

The authorised personnel must ensure that all inspections are recorded.

If the aluminium tripod becomes dangerous to use as a result of damage or age, the authorised personnel must ensure that the equipment is pulled out of operation and is disposed in accordance with guidelines.

It is recommended to direct all prescribed inspections to be carried out once a year to the manufacturer.

**9. Legal Requirements**

The operating instructions and the maintenance manual must be available and adhered to.

### **Extract from the Regulations for the Prevention of Accidents:**

#### **Inspections**

The contractor must ensure that the equipment and the material handling lifting equipment are examined by an expert prior to initial operation and after essential alterations prior to further operation.

The contractor must ensure that the equipment and the material handling lifting equipment are examined by an expert at least once a year.

#### **Recording**

The contractor must ensure that the results of the inspections are recorded.

## **10. Warranty And Liability**

The warranty and the liability are no longer valid, if the equipment has not been assembled, installed, operated, checked and maintained according to these instructions.

Any doubts about instructions should be raised with the manufacturer prior to use.

Prior to every operation the user must ensure that

- the equipment is suitable for the intended operation,
- the functioning and the working condition of the equipment is examined,
- the loads are suitable to be handled.

Failures are to be reported in writing to the supplier immediately, at the latest two weeks following delivery. It is unacceptable for the client to repair failures or have them repaired by a third party, and then request to be reimbursed for the costs.

According to the manufacturer's general contract conditions the equipment is under warranty for a period of six months from the invoice date. Wearing parts are not covered by the warranty.

The manufacturer is not responsible for any damage occurring in the event of an installation error or insufficient training by a third party, negligence, misuse or excessive stress of the equipment.

It is within the responsibility of the client to check prior to operation the functional condition of the equipment, the suitability of the load to be handled as well as any damage to the load before and after transport/installation.

The manufacturer does not take responsibility for any additional claims, for instance, the right to compensation for damage not caused to the equipment itself.



## EC Declaration Of Conformity As Defined By EC Machinery Directive 2006/42/EC

We hereby declare that the design and the construction of the equipment mentioned hereafter complies with the following Directive.

This declaration will become invalid, if a modification of the equipment is carried out which has not been agreed with us as manufacturer.

The validity will also expire, if the equipment is not used as directed in accordance with manufacturer's relevant operating instructions and/or all regular inspections are not carried out according to BGR 500 Chapter 2.8.

Description:	<b>ESTIL Aluminium Tripod</b>
Directives:	EC Machinery Directive 2006/42/EC
Harmonised Standards:	EN 12100 EN 13 155
National Standards:	BGR 500 Chapter 2.8 of January 2004

As stipulated in Annex VII of the EC Machinery Directive the following documents are available for inspection:

- \* Operating instructions
- \* Production drawings
- \* Production plans
- \* Static verification
- \* Certification of welding (DIN 18 800 Part 7)

The CE symbol is marked on the equipment.

Alphen aan den Rijn, 04 Januari 2024

Alg. directeur  
C. Vis

A handwritten signature in black ink, appearing to read "C. Vis", is written over the printed name and title.

### ESTIL NEDERLAND

Magazijnweg 7 2404 CE Alphen aan den Rijn  
Tel 0031-172 619338  
www.estil.nl - info@estil.nl



### Inspection Sheet

Model	<b>AD</b>
Serial number	<b>N.B</b>
Year of construction	<b>2024</b>
Contractor	<b>Estil Nederland</b>
Date of first operation	<b>03-2024</b>

The inspection of the load handling equipment is carried out by an expert according to BGR 500 Chapter 2.8 of January 2004.

#### Inspection And Maintenance According To BGR 500 Chapter 2.8

Inspection prior to initial operation according to 3.15.1:	Date	Signature of expert
Special inspection according to 3.15.3:	Date	Signature of expert
Regular inspection according to 3.15.2:	Result:	
	Date	Signature of expert
Regular inspection according to 3.15.2:	Result:	
	Date	Signature of expert
Regular inspection according to 3.15.2:	Result:	
	Date	Signature of expert
Regular inspection according to 3.15.2:	Result:	
	Date	Signature of expert