



# TRIPODS

## OPERATING INSTRUCTIONS



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## On these operating instructions



If the text follows a mark (as shown on the left), this means that an important instruction follows.



If the text follows a mark (as shown on the left), this means that an important warning follows relating to danger to the user or damage to the apparatus. The user is always responsible for its own personal protection.

*Text*

**Italic indicated text indicates that the text concerned appears in writing on the display (or must be typed).**

## 1 Description

The tripod is an essential element in a bailer boring set. The tripods are used for in-situ bailer boring, pulling casings and lowering sampling equipment. They are not suited for general lifting activities. The maximum load capacity of the different parts used, such as tripod, cable and hand winch should be considered in that case. The lowest specification is determining the load of the total system.

In these operating instructions two types of tripods are described.

The light tripod (02.01.01, see page 1) consists of a snatch block (5), and attached to it the legs (7,8), and a pulley (4). The legs include extension pieces (2) an end piece with base plates (3) to avoid sinking or sliding.

The heavy tripod (02.01.04) consists of a snatch block (6), and attached to it the legs (7,8) and a pulley (4). Extension pieces (9) and a pointed end piece to avoid sliding allow extending two of the legs. The third leg uses an extension piece (8) and a frame to which optionally a heavy hand winch can be mounted.



## 2 Technical specifications

### Light tripod

Article no.	02.01.01
Max. tensile force	6,5 kN
Total leg length	3 x 1,5 m
Working height	Ca. 3,9 m
Net weight	44 kg
Legs	Ø 50 mm
Snatch block	20 kN

## Heavy tripod

Article no.	02.01.04
Max. tensile force	20 kN
Total leg length	3 x 1,65 m
Working height	Ca. 4 m
Net weight	108 kg
Legs	2 single Ø 70 mm 1 double Ø 80 mm with frame for hand winch
Snatch block	20 kN



**The lowest specification is determining the load of the total system.**

## 3 Safety



**To avoid tipping over make sure the legs are positioned at an identical distance from the centre.**



**On stiff surfaces make sure the legs do not slide.**



**On soft and/or soggy surfaces use a base plate to prevent sinking.**



**Be cautious during a thunderstorm. Lightning strokes often occur in the open field, in particular near an erect tripod.**



**Preferably wear a helmet and safety shoes.**

## 4 Preparing for use and operation

### 4.1 Light tripod (02.01.01)

Light tripod set-up procedure:

1. Fold out the legs of the snatch block (5) until they block (see figure page 1).
2. Attach the pulley to the hook of the snatch block (5). Make sure the hook control is on.
3. Open the pulley (4), lead the optionally available cable through it and close the pulley (4) again.
4. Attach the extension pieces (2) one by one to the legs of the snatch block while the other two legs stand straddled. Lock the extension pieces with bolts and nuts.
5. Attach the end-pieces with base plate (3) to the extension pieces. Lock with bolts and nuts.
6. Position the optionally available light winch on the broad base plate's leg. (see hand winch instructions for use).

### 4.2 Heavy tripod (02.01.04)

Heavy tripod set-up procedure:

1. The heavy tripod is delivered in pieces. Attach the legs' top ends as shown in the figure at right.
2. Fold out the legs of the snatch block (6) and lay them wide apart on the ground.
3. Slide the extension pieces (9) over the legs' top ends. Lock them with bolts and nuts.
4. Attach the end-pieces with point (10) to the extension pieces (9). Mount the frame (11) on the Ø80-mm leg (8). Lock with bolts and nuts.
5. Attach the pulley with hook to the snatch block (6). Make sure the hook control is on.



6. Open the pulley (4), lead the optionally available cable through it and close the pulley again (4).
7. Position two legs on the selected spot, hold the third leg and lift the entire tripod while an assistant helps lifting the tripod's centre.



**On smooth surfaces the legs may slide away while lifting the tripod.  
To prevent sliding stick a spade behind the legs.**

8. Position the legs on the selected spot. Use the base plate particularly when working on soft surfaces.
9. Attach the optionally available heavy hand winch to the frame (see hand winch instructions for use).

## 5 Application

- As a tool in carrying out deeper manual drilling and bailer boring work.
- When using sampling equipment.
- When installing water wells and submersible pumps.
- The tripods are not suited for general lifting activities.



**On stiff surfaces make sure the legs do not slide.**

## 6 Troubleshooting

The 02.01.04 legs sink away

- Use the base plates

You need to carry out some work in the peak of an erect tripod.

- A set of 5 step supports is available (02.01.04.02) for the heavy tripod. The step supports may be attached to the leg with frame as follows:
  1. Lay down the tripod and remove the central leg (8).
  2. Slide 3 step supports over the central leg (8) and 2 over the extension piece.
  3. Fix the step supports at the desired height by tightening the M12x20 bolts on the central leg (8) and the corresponding extension piece.
  4. Assemble the tripod. See paragraph 4.2

## 7 Maintenance

- To assure optimum operation, particularly of the tripod fixtures, keep the pulley and the couplings of the tubes clean and dry.
- To prevent oxidation store the tripod in a dry spot.



**The equipment must be inspected at least every year on damage and wear.**

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## EC-declaration of conformity for machinery

(Directive 98/37/EG, Annex II, sub A)

### Manufacturer:

Eijkelkamp Agrisearch Equipment  
Nijverheidsstraat 30  
6987 EM Giesbeek  
Netherlands

herewith declares that:

**Machine : Tripod** Art. no.: 02.01.01 / 02.01.04  
**Hand winch** Art. no.: 02.02.05 / 02.02.06

**is in compliance with:**

- Machinery Directive 98/37/EG

**Place** : Giesbeek

**Date** : 18-06-2009

**Name** : J. van Zuilen

**Signature** :

A handwritten signature in black ink, appearing to be "J. van Zuilen", written over a horizontal line.

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