

Shear legs / tripods with manual or electric winch

# CT4

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**Instruction manual** \_\_\_\_\_

**UK**



CT4 (manual or electric winch optional)

To ensure the constant improvement of its products, HUCHEZ reserves the right to change the equipment as described below and, in this case, to supply products which differ from the illustrations in this instruction manual.

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## 1 – General notice

However, gins supplied with manual or electric lifting devices are considered machines in compliance with European regulations and, in particular, with the Machinery Directive 2006/42/EC.

- Before using this tripod, with safety of use of the equipment and efficiency in mind, it is vital for you to become familiar with this instruction manual and to comply with all the recommendations.
- This instruction manual must be kept available to all operators. The manufacturer shall provide additional copies on simple request.
- The tripods equipped with a lifting appliance (hoist) are designed to carry out lifting operations in a working area specified. Please make sure the operator is qualified to carry out the operation in the conditions laid down in this manual in order to respect the safety of persons and the environment.
- Never use this tripod with a load exceeding the maximum working load specified.
- The tripods may not, under any circumstance, be used to lift staff.
- Before each use, the operator shall check the clearing of the working area, correct condition of the lifting appliance, its rope or chain, hook, marking, as well as its stability.
- The manufacturer declines all responsibility for consequences due to the use or installation of appliances not provided in this manual, together with the consequences of dismantling, alterations or replacements or original parts with parts or components of other sources without its written agreement.

## 2 - Presentation of appliances

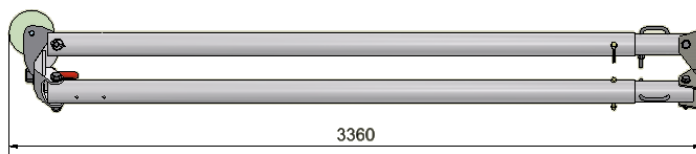
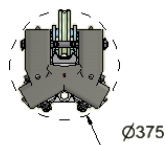
2 models in the range (CT4-500 and CT4-1000) which can be fitted with a manual or electric winch (optional) with a view to lifting loads of between 300 and 1,000 kg depending on the equipment selected.

### 2.1. Construction :

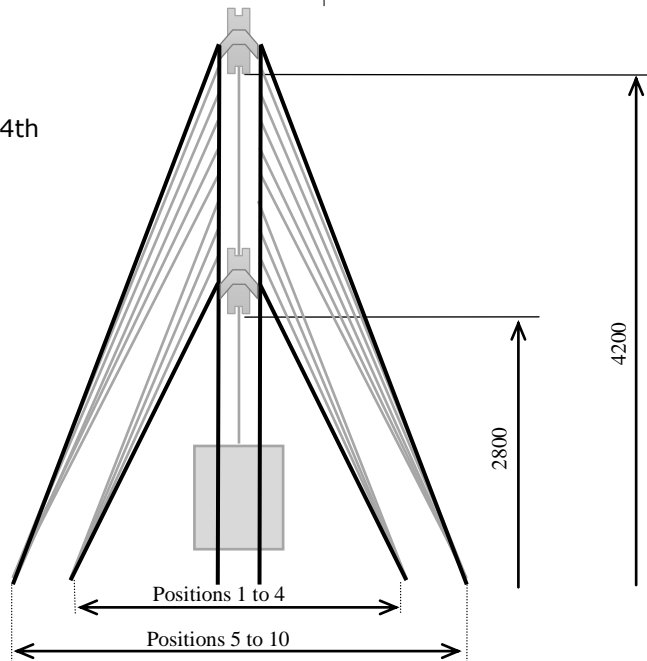
- Aluminium legs individually adjustable in 160 mm steps.
- These telescopic aluminium tripods are fitted with:
  - a fixing plate on a double post enabling assembly of an optional manual or electric winch,
  - a pulley which is easy to dismantle in order to slip the rope on whenever it is used,
  - three independent textile straps allowing the distance between the legs to be controlled at all times.
- Each leg has a handle at its lower part and an articulated foot with a flat side for hard ground and a spade-shaped end for soft ground.
- High-strength cast aluminium head (500 – 1000) with multiple anchor points for fitting a pulley, a second hook for a tackle, a chain hoist....
- Legs hold together by 3 safety straps each fitted with a carabiner.
- Light and compact when retracted: 2.36 m for models CT4-500 and CT4-1000 with a height of 3 m, 3.36 m for models CT4-500 with a height of 4 m.

## 2.2. Dimensions:

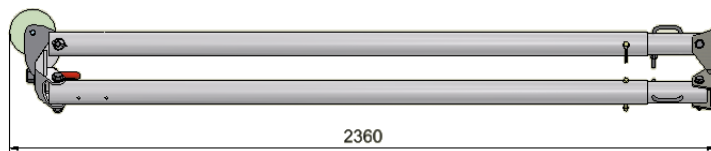
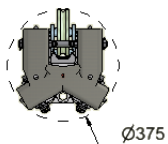
### 2.2.1. CT4 500 kg - 4 meters



The feet are inscribed in a circle of 2.90 m to the 4th hole and 3.45 m beyond.

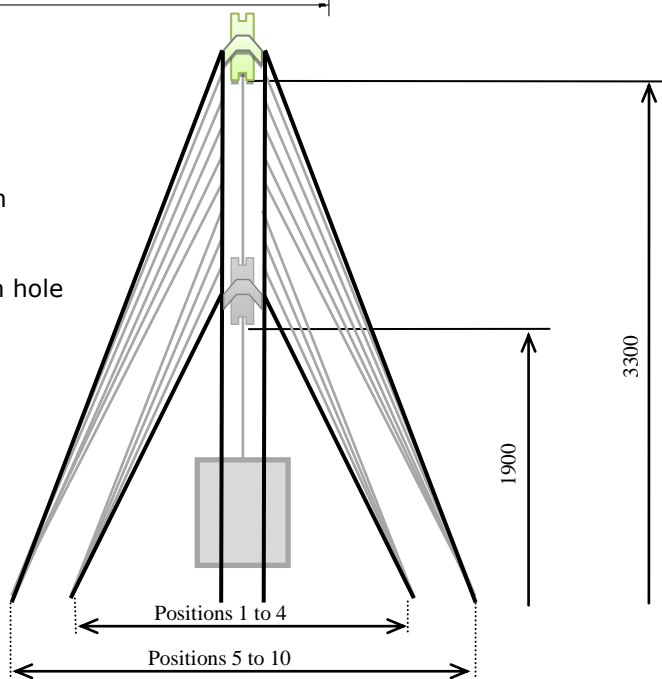


### 2.2.2. CT4 500 kg - 3 meters and CT4 1000 kg



Les pieds sont inscrits dans un cercle de 2 m jusqu'au 4<sup>ème</sup> trou et 2,30 m au-delà.

The feet are inscribed in a circle of 2 m to the 4th hole and 2.30 m beyond.



## 2.3. Operation

Ref.	CT4 500 3	CT4 500 4	CT4 500 3	CT4 500 4	CT4 1000	CT4 1000
Capacity kg	<b>250/350/500</b>		<b>500</b>		<b>1000</b>	<b>1000</b>
Height under tripod head (mini.-maxi.) m	1.90-3.30	2.80-4.20	1.90-3.30	2.80-4.20	1.90-3.30	1.90-3.30
Manual or electric winch (optional)	TRBoxter 250/350/500 kg 1Ph – 230 V		Manibox GR 500		TRBoxter 500 reeved, 3 Ph- 230/400V	Manibox GR 1000
Lifting height m	56/56/42		18		21	30

Telescopic system and the adjustability of feet enable tripods to be easily adapted to all kinds of sites for use in optimum conditions. The legs are hold together by 3 safety independent straps each fitted with a carabiner.

## 3 – Handling - Storage

Made of aluminium, tripods are light and easily handled or stored. It is recommended to store away from the elements.

## 4 – Use, assembly and commissioning

- Ensure of the quality of the ground
- Draw up the appliance by checking the levelling

The kit consists of:

- a winch fixing plate



- a fixed spindle and 2 safety cables



- a removable spindle



a. Position the plate fitted with its winch on the fixed spindle located at the level of the 1<sup>st</sup> hole at the bottom of the double post then push the whole against the tripod tubes.

Lock on both sides using the safety cable lynch pins.



b. Push the removable spindle through the tubes and the plate, then lock this spindle using the cable pin attached to the plate.



#### 4.2 Assembly/disassembly of the pulley

Remove the top of the 2 cables of the pulley cover on the head of the tripod to free the through axle.



This pulley can now be dismantled easily to fit the rope every time it is used without removing the legs.



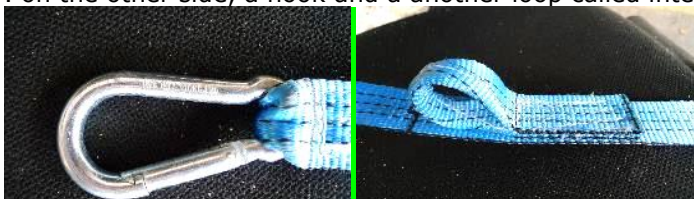
### 4.3 Assembly of the strap kit

Each of the three straps comprises:

- . on one side a loop placed around the aluminum tube.

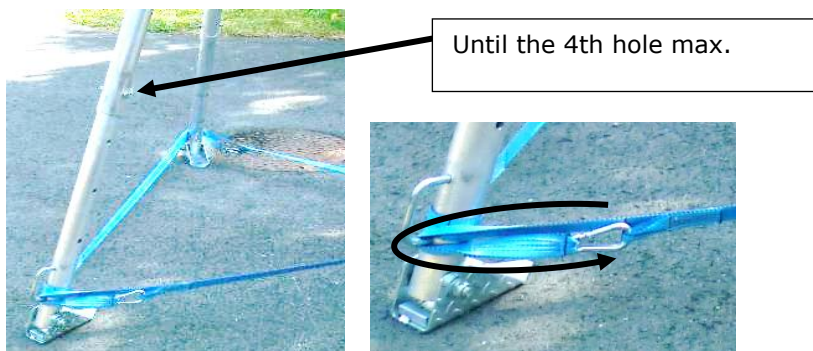


- . on the other side, a hook and a another loop called intermediate.

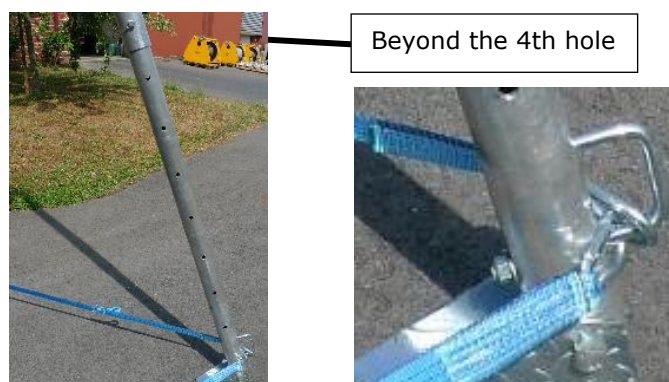


There are two positions for the adjustment of the straps according to the state of deployment.  
So :

- When the tripod is expanded to the 4th hole of the aluminum tubes, it is necessary to attach the strap in position "short" that is to say, the strap must pass through the handle in the bottom of the tube and hook the carabiner on the intermediate loop of the strap:



- When the tripod is deployed beyond the 4th hole, directly attach the carabiner on the handle of aluminum tube:



The legs are fastened to one another by the 3 textiles straps, each fitted with a carabiner.

Whenever in use, the 3 legs must be within a circle with a diameter of:

- 2.00 m (deployment up to the 4<sup>th</sup> hole) or 2.30 m (deployment beyond the 4<sup>th</sup> hole) for models 3 m in height.
- 2.90 m (deployment up to the 4<sup>th</sup> hole) or 3.45 m (deployment beyond the 4<sup>th</sup> hole) for models 4 m in height.

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## **5 – Maintenance**

Check the feet fixing and the anchor head regularly, and also the self-locking pins.

Also check the state of the lifting appliance according to the specifications in the instruction manual and in particular, the chain or cable, the hook and the brake.

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## **6 – Prohibitions for use**

Before any use, make sure there is no risk of overloading due to: adherence to floor, suction, jamming, etc.

You are be warned against any of the following improper uses or handling operations:

It is prohibited to:

- Lift loads exceeding the rated load specified on the plate of the appliance;
- Pull sideways;
- Swing the load;
- Use the appliance to lift staff;
- Go under the load;
- Use hooks without catches, not suitable for the loads specified on the appliance or in bad condition;
- Insert objects into the moving parts;
- Take action on appliances under load;
- Let down the load on free fall;
- Use the rope or the chain of the appliance as a sling;
- Use the appliances for operations different from those they are designed for;
- Use parts or components different from the manufacturer's original parts or components;
- Reeve by positioning the fixed point on the lifting appliance.

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## **7 – Statutory, compulsory checks by the user**

This appliance has been subjected to the following tests in the factory:

- dynamic proof test at coefficient 1.1
- static proof test:
  - at coefficient 1.5 for appliances moved by human strength
  - at coefficient 1.25 for the others

A periodic maintenance check is required at least once a year.

The user must keep a safety register R.233.11).




In compliance with the regulations, the user must set up an inspection book where all the actions and inspections conducted on the appliance shall be recorded (FEM rule 9755).


## 8 – Putting out of operation

When the equipment is in a state of decay likely to create risks, the user is obliged to do away with this material i.e.: put it out of operation, dismantle it if required.

## 9 – Specimen declaration of conformity



P03.39 - UK Tripod  
CT3 - CT4



**DECLARATION OF CONFORMITY**

We hereby declare that the design and manufacture of the machinery referred to below comply with the relevant requirements of Directive 2006/42/CE on Machinery.  
The machinery's technical file has been put together by the signatory of this declaration.  
This declaration shall become null and void in the event it is changed or if any item is added without our prior consent.  
Moreover, this declaration shall become null and void if the machinery is not used in accordance with its instructions for use and if it is not inspected regularly.

Type of device: Telescopic Tripod

Model:

Capacity:

Serial n°:

Function: Hoisting equipment

Quality assurance: ISO 9001 (certificate registration n°: FQA 9911492)

Equipment delivered:

☐ with lifting equipment:
 

☐ hoist
 

Make :  
☐ Manual chain hoist    ☐ Electric  
 Capacity :  
 Serial N°:

☐ winch
 

Make :  
☐ Manual    ☐ Electric  
 Capacity:  
 Serial N°:  
☐ with cable    ☐ with hook  
☐ without cable    ☐ without hook

Important: these items must comply strictly with the specifications indicated on the manufacturer's plate affixed to the winch and the instructions for use, and they must be supplied by professionals specialized in their use.

and with instructions for use.

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## **10 – Annexes**

A – Manual of the winch

B –Part references

C – Maintenance booklet

## **A** – Manual of the winch

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Enclosed.

## B – Part references

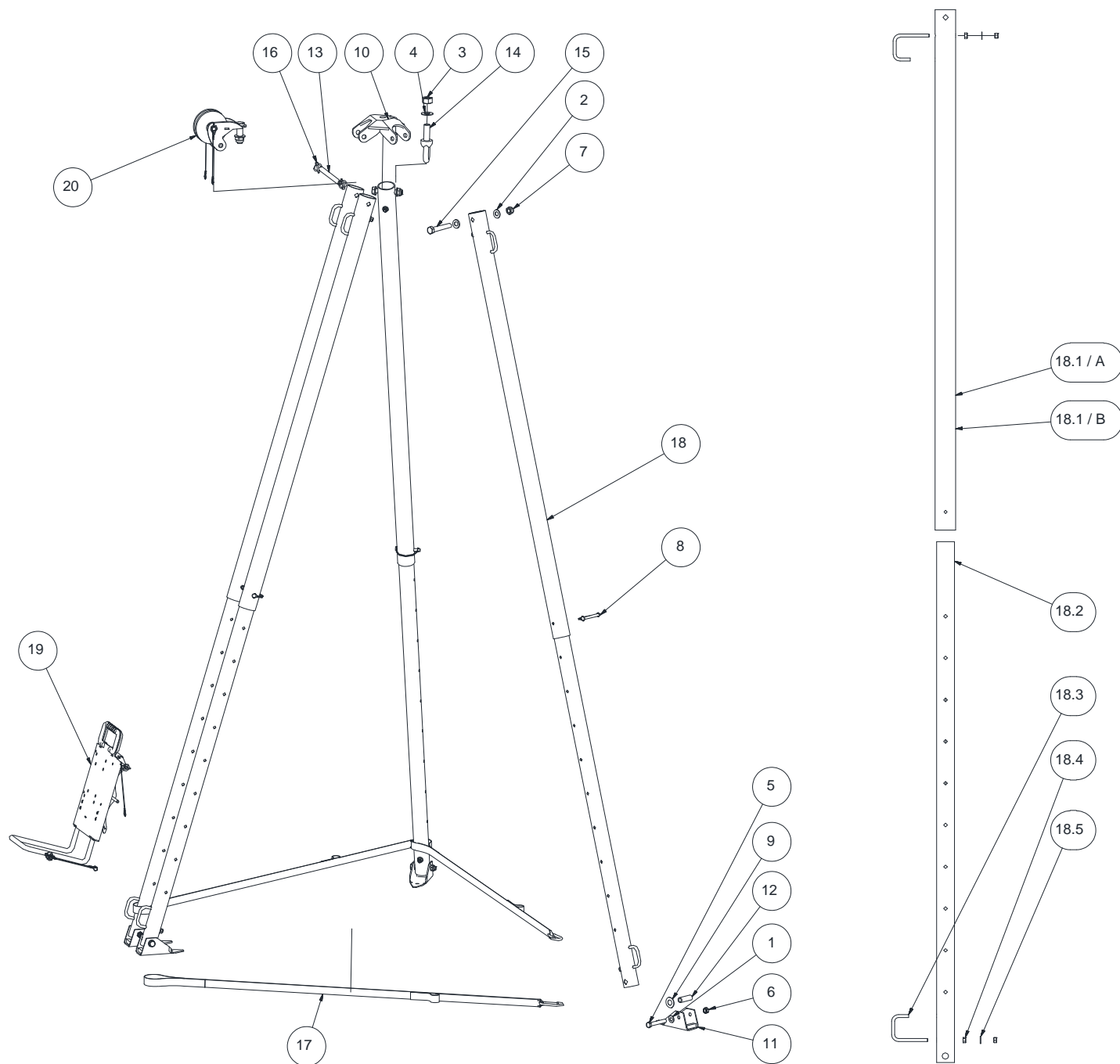
### Bill of materials - CT4-500 and CT4-1000

Art.	Qty	Part	Description
1	4	13214	Washer M 16
2	4	13216	Washer M 20
3	1	13290	Nut M27
4	1	13310	Washer M 27
5	4	13415	Screw TH M16 x 110
6	4	13485	Nut H FR M16
7	2	13597	Nut H FR M20
8	4	1767	Safety pin
9	4	1768	Spring washer 50x25.4x3
10	1	20601	Head
11	4	20604	Brace

Art.	Qty	Part	Description
12	4	20605	Shoe spacer
13	1	20609-00	TOP AXLE
14	1	20613	Ring C3127C2
15	2	20614	Screw TH M20x130
16	2	20618-01	Pin meca
17	3	24423	Strap 2 m (CT4 500 – 3 m)*
	3	24059	Strap 3 m (CT4 500 – 4 m and CT4 1000)
18	4		Foot CT4 500-1000
19	1		CT4 500 plate for TRBoxter, MANIBOX GR500
	1		CT4 500 plate for MANIBOX GR1000
20	1		Offset pulley kit

Art.	Qty	Part number	Description
18.1 / A	1	20602	Upper foot 3 m
18.2 / B	1	21931	Upper foot 4 m
18.2	1	20603	Lower foot

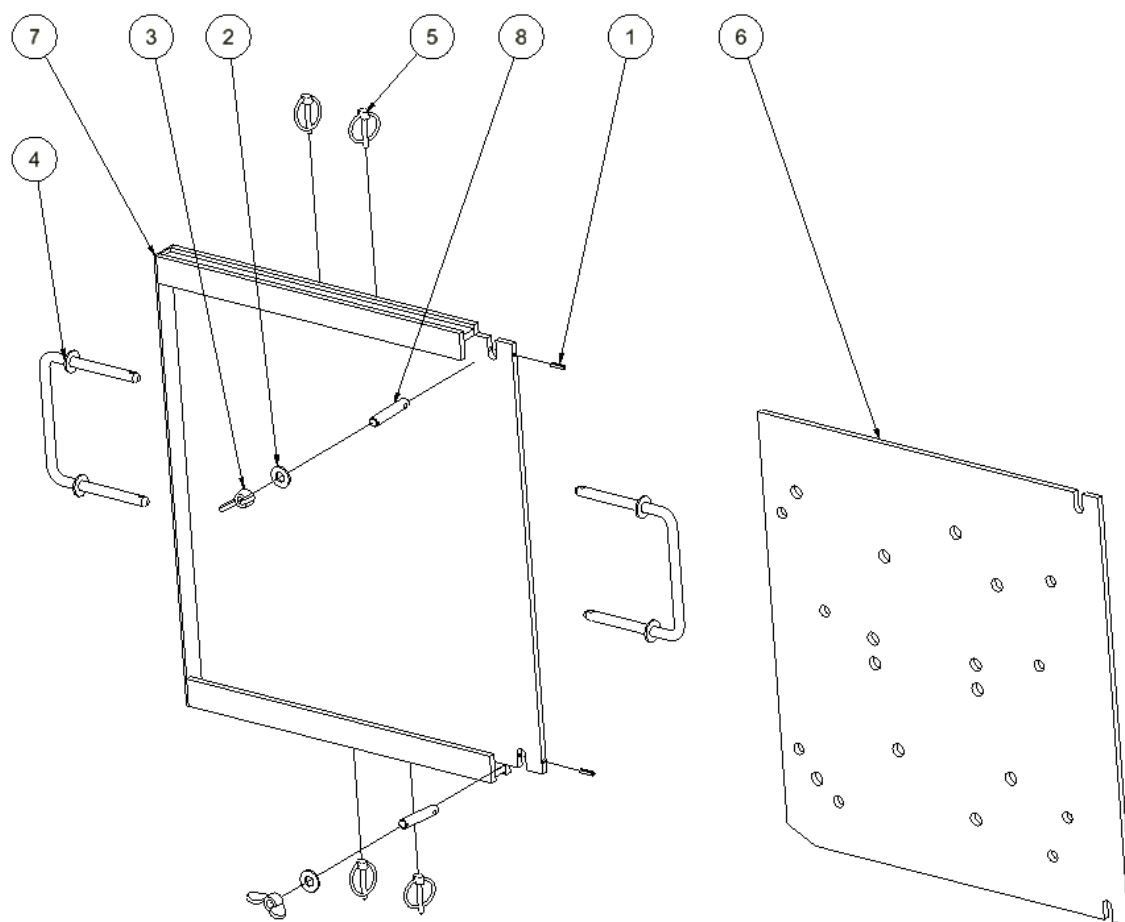
Art.	Qty	Part number	Description
18.3	2	20684	Retention strap ring
18.4	4	13021	Nut M12
18.5	2	13212	Washer M12



## Nomenclature of winch fixing plate MANIBOX GR 1000

(<sup>19</sup> on nomenclature of the CT4-1000)

Art.	Qty	Part number	Description
1	2	3217	Pin Ø5 x 20
2	2	13212	Washer M12
3	2	13611	M12 wing nut
4	2	20608	Winch support spindle
5	4	20618	Clip pin Ø6
6	1	21735	CT4 -1000 winch fixing plate
7	1	21736	Lower winch support
8	2	21739	Pivot

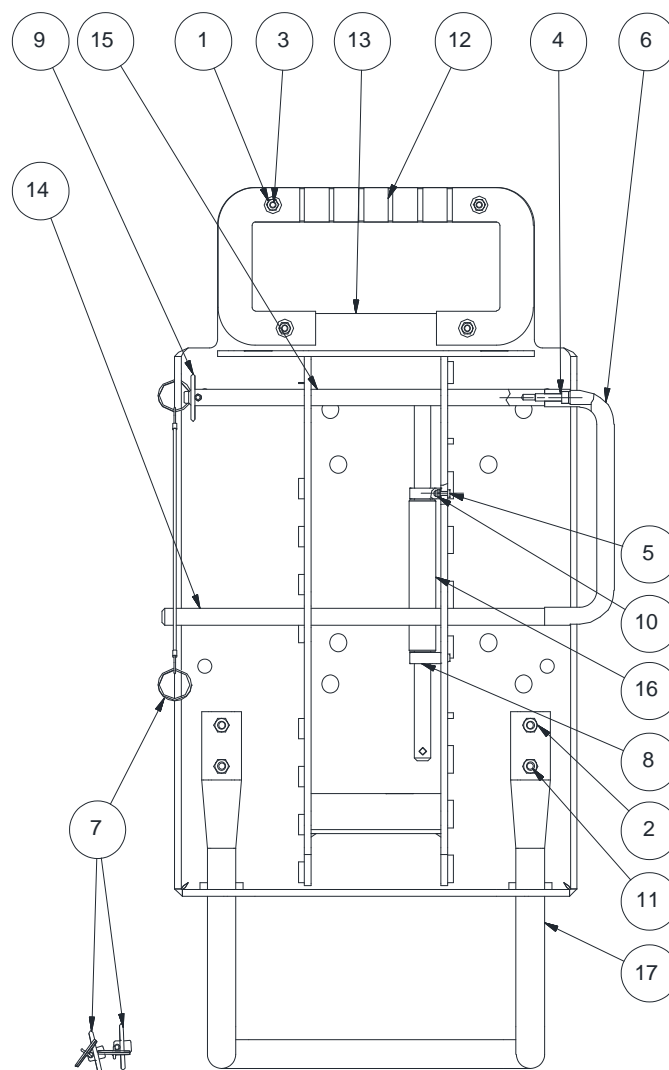


## Nomenclature of winch fixing plate TRBoxter or MANIBOX GR500

(19 on nomenclature of the CT4-500 and CT4-1000)

Art.	Qty	Part number	Description
1	4	13009	Nut M5
2	4	13010	Nut M6
3	4	13123	Screw CHC M5x16
4	2	13124	Screw CHC M5x20
5	2	13171	Screw TC M3x10
6	1	13450	Handle U
7	3	13451	Wire lg 200
8	2	13452	Clip Ø12
9	3	13453	Clip pins Ø4.5

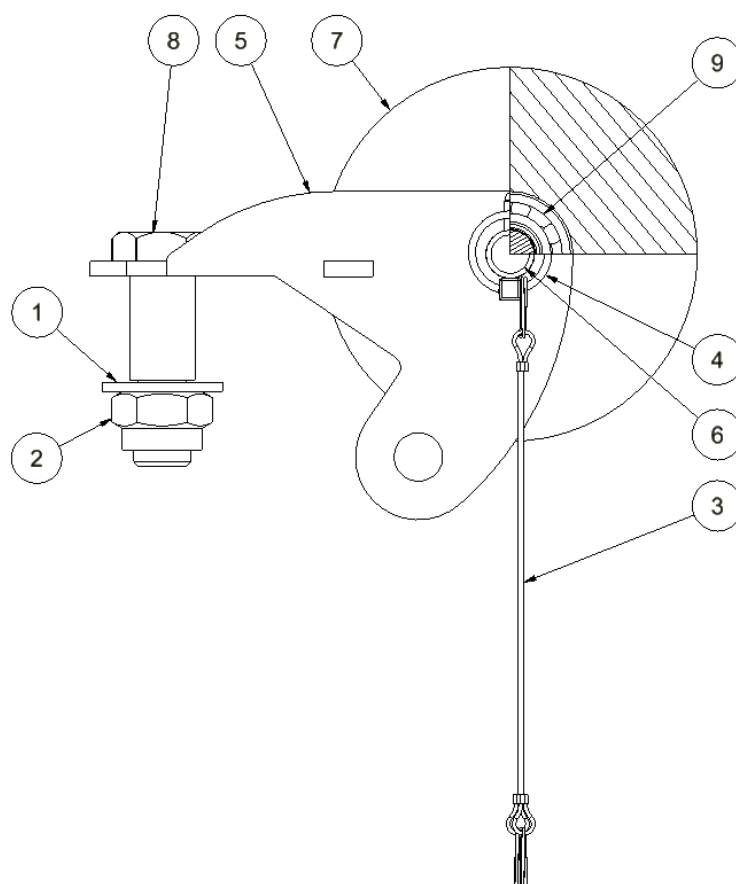
Art.	Qty	Part number	Description
10	2	13482	Nut H FR M3
11	4	13541	Screw TFHC M6x20
12	2	22458	Plastic handle
13	1	24060	CT4 500 plate SE
14	1	24065	Spindle axle 1
15	1	24066	Spindle axle 2
16	1	24067	Fixed spindle
17	1	24068	Bar



## Nomenclature for offset pulley unit

(20 on nomenclature of the CT4-500 and CT4-1000)

Art.	Qty	Part number	Description	Art.	Qty	Part number	Description
1	1	13217	Washer M 24	6	1	24420	Offset pulley axle
2	1	13362	Nut H FR M24	7	1	24421	Pulley
3	2	13451	Wire lg 200	8	1	24422	Holding axle
4	2	13453	Clip pins Ø4.5	9	2	3642	Bearing 6205
5	1	24416	Pulley offset SE				





## **C**– Maintenance booklet.

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The English version of the maintenance booklet for our lifting winches can be downloaded from our website **[www.huchez.fr/uk](http://www.huchez.fr/uk)** under the heading "After sales services".

Date	Person in charge		Nature of the operation	References of replaced parts	Frequency if appropriate	Signature

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