

# FANTEK

torres y plataformas elevadoras

## T-100

---

**E** TORRE ELEVADORA  
MANUAL DE INSTRUCCIONES

---

**GB** ELEVATOR TOWER  
OPERATING INSTRUCTIONS

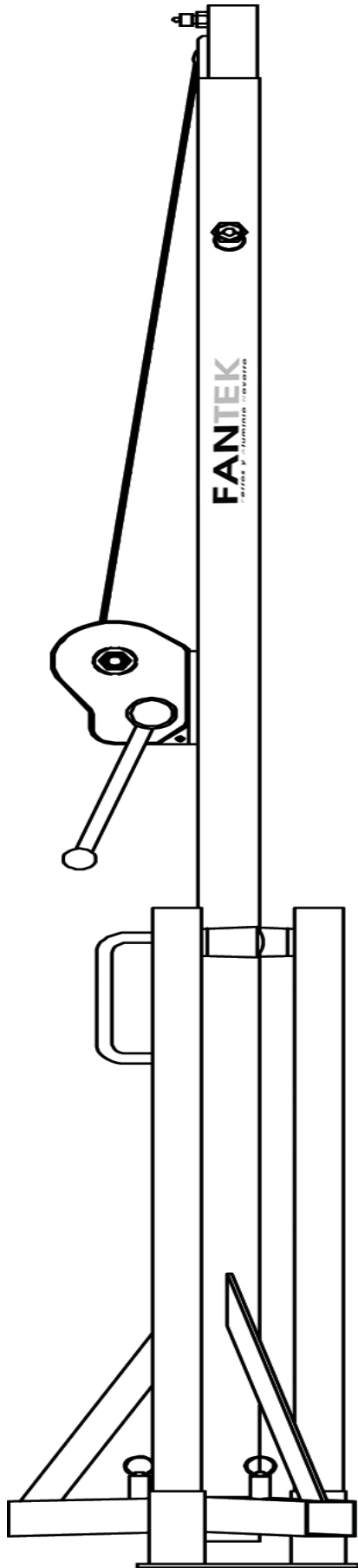
---

**D** TRAVERSENLIFT  
BEDIENUNGSANLEITUNG

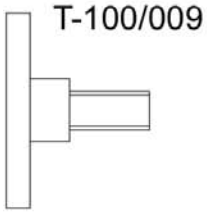
---

**F** PIED ÉLÉVATEUR  
MODE D'EMPLOI

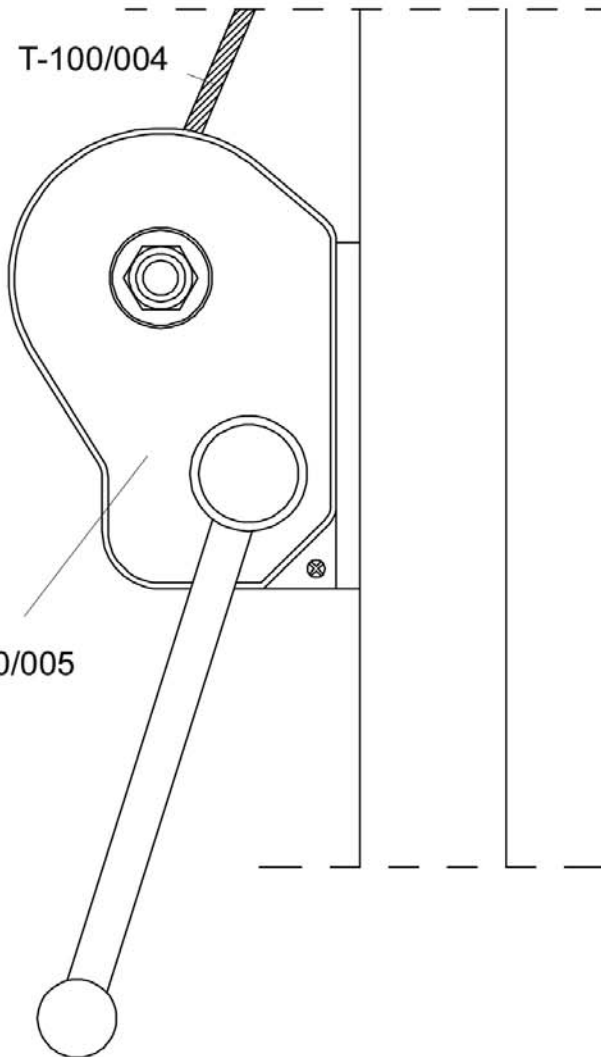
---



**A-2**



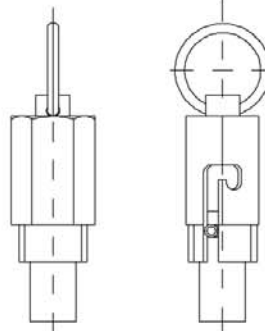
**B** T-100



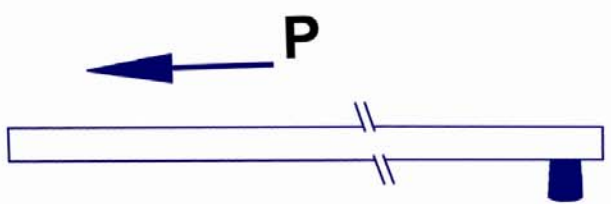
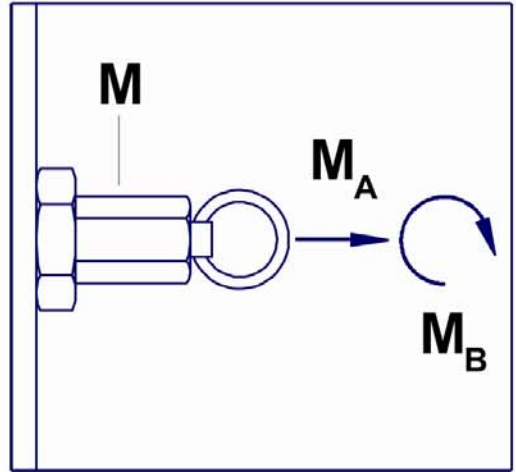
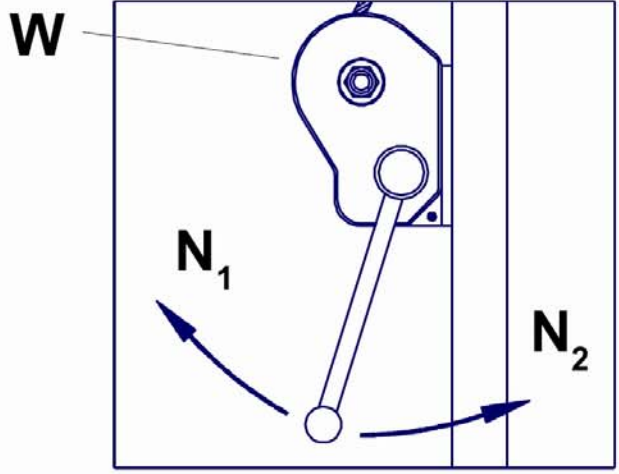
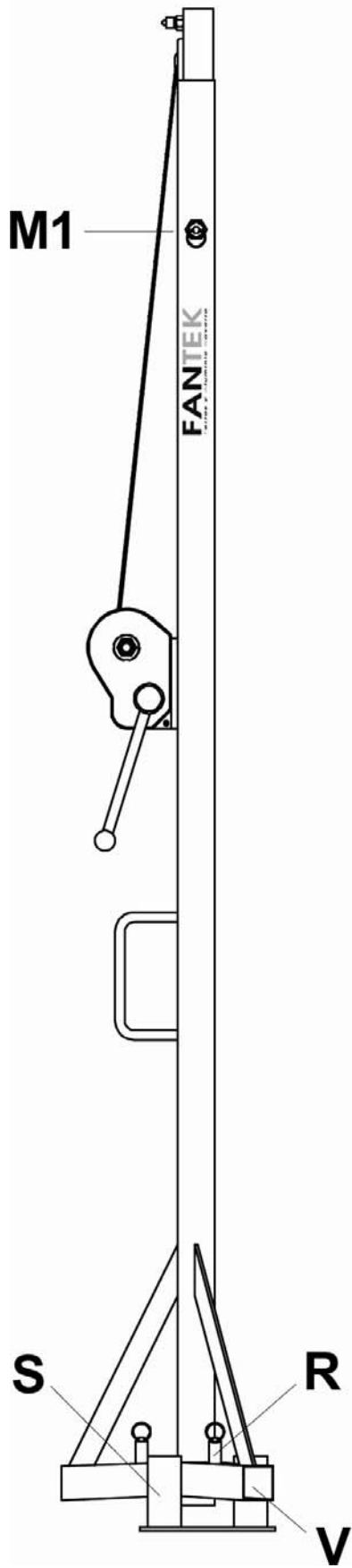
**C**



ACC/12

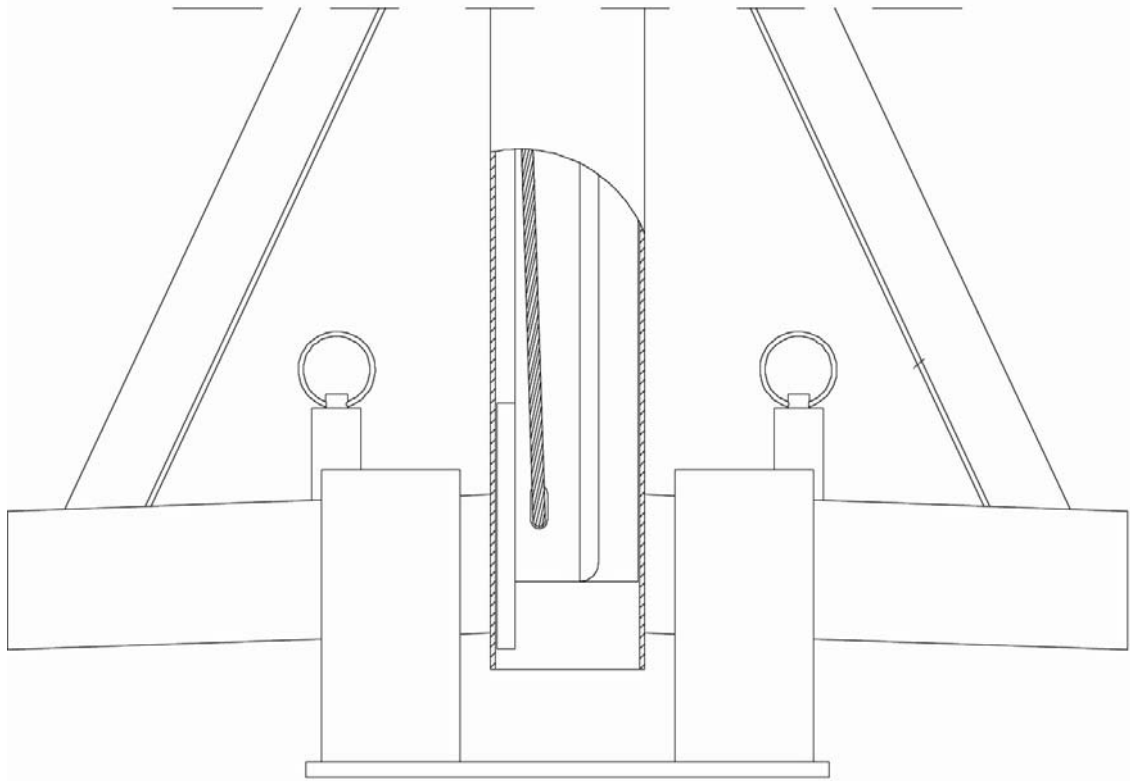


T-100

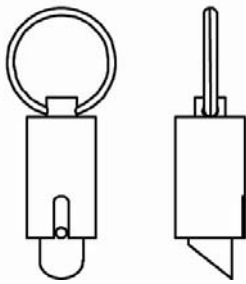


D

T-100



T-100/007

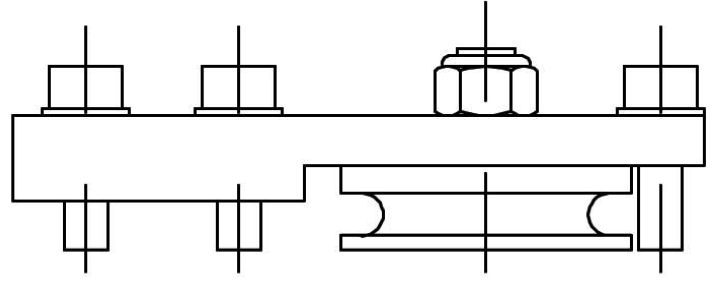
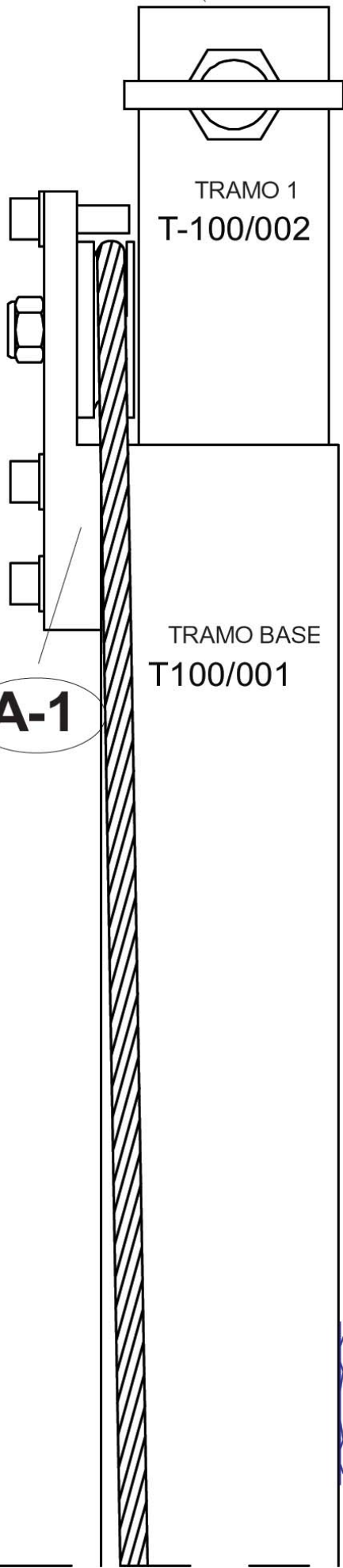


# T-100

**A-2**

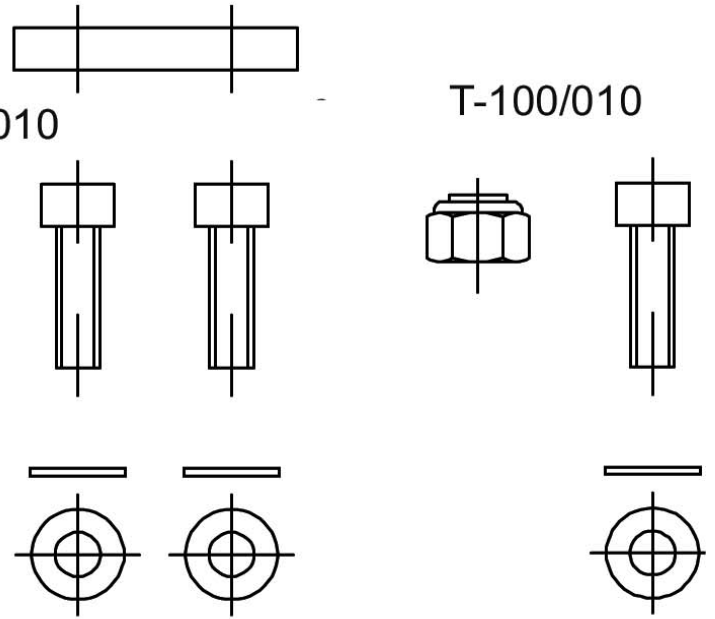
**A**

**A-1**

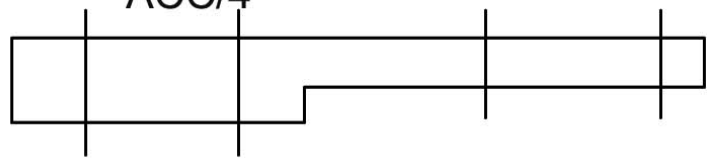


T-100/010

T-100/010

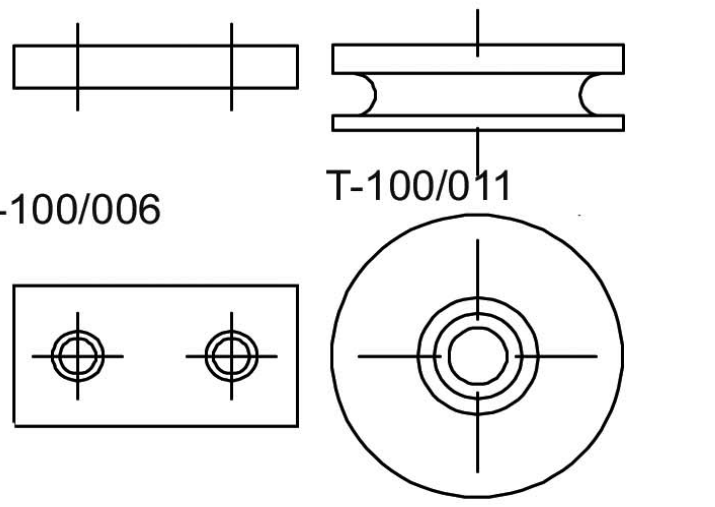


ACC/4

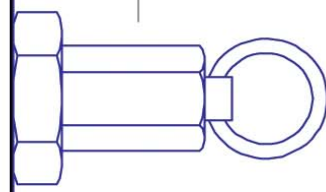


T-100/006

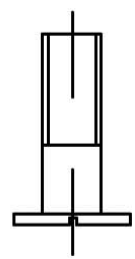
T-100/011



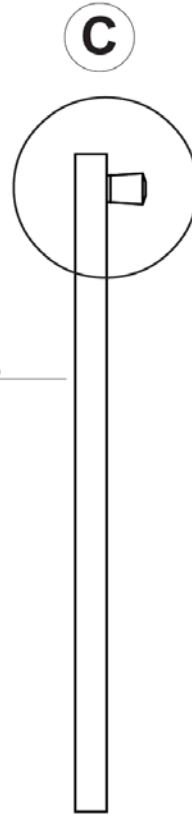
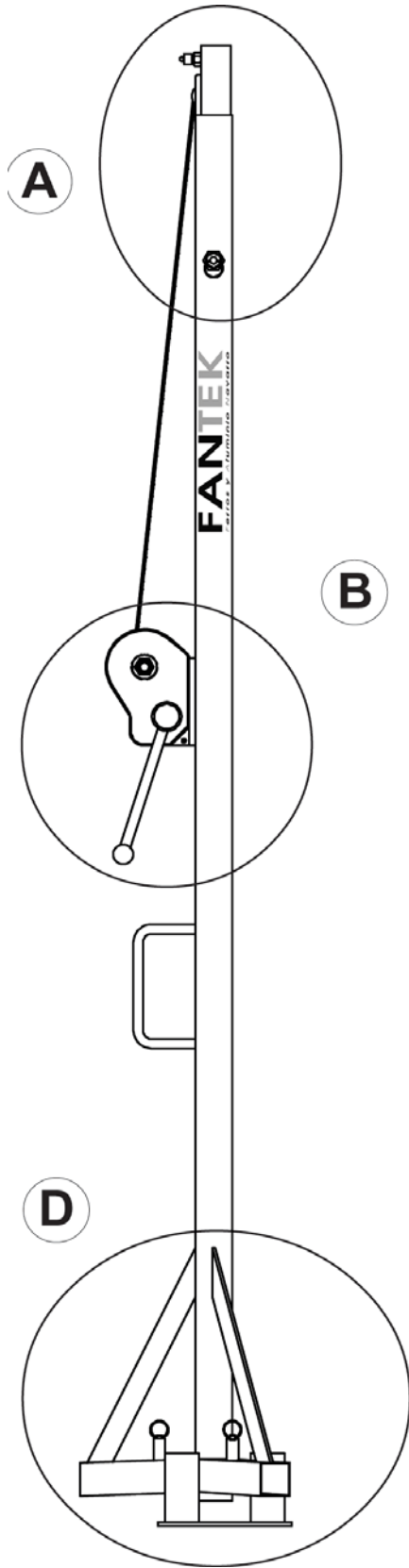
ACC/12



T-100/008



T-100



T-100/003

## 1.- Introduction.

Dear customer, in order to make reliable operating with our T-100 lifting tower we've edited this operating manual. Please read it carefully before starts using the tower.

All our products have been submitted to more stringent proofs and controls during the manufacturing process.

In order to maintain the guarantee of function and safety, original parts of the manufacturer's design must be used. The guarantee will be unabled if parts different than the manufacturer ones are used to repair or modify the product in any other way.

We reserve the right to modify design and performance without prior notice when contacting us with queries or ordering spare parts. In these cases we need the model type, year of manufacture, and serial number.

## 2.- Technical data.

Lifting tower T-100. This tower is designed to lift loads vertically up to different heights as a support of lighting sets.

2.1.- Max. load: 100 kg.

2.2.- Min. load: 25 kg.

2.3.- Max. height: 3,8 m.

2.4.- Min. height: 2,03 m

2.5.- Base area: 1,55 x 1,55 m.

2.6.- Folded base area: 0,30 x .0,30 m.

2.7.- Weight: 17,5 kg.

2.8.- Winch: 350 kg. maximum load winch with automatic brake to stop the load. Certified in Düsseldorf according to DIN 15020 and VBG 8 with the number 93309.

2.9.- Cable: Steel DIN 3060. Quality 160 kg/mm<sup>2</sup>. Twisting – resistant. 4 mm. cable diameter

2.10.- Construction material: Steel profiles DIN 2394.

2.11.- One profile slide system operated by cable of steel and guided by channelled steel pulleys with ball bearings.

2.12.- Profile fixing to the desired height by safety steel fastener ACC/12.

2.13.- Legs with rubber non slip supports.

2.14.- Anchor of the legs by safety catches.

2.15.- Bubble level to adjust vertical tower position.

2.16.- Antirust protection and electrolytic cadmiated.

### **3.- Safety precautions.**

3.1.- Place the tower only on solid and levelled places.

3.2.- Verify the legs are inserted to the top and correctly fastened by the safety catches (R).

3.3.- Verify the tower is in vertical position and is blocked in the working position by means of the safety catch (M1).

3.4.- If you use the tower open air, you have to place it on a secure surface and protect the tower against the wind.

3.5.- Do not use stairways neither over the tower nor leaned in it.

3.6.- Be careful with cables, prominent objects, etc. placed above the tower.

3.7.- Do not stay under the load.

3.8.- Do not move the tower when it is lifted with load.

3.9.- Before you use the tower the first time verify the cable, this must be free of cuts and fraying. Do not use inappropriate cables.

3.10.- Never dismount the winch hand crank (W) if the tower is loaded.

3.11 The minimum load required for a perfect braking function is 25 kg. The brake will not function without this minimum load.

3.12.- Do not apply oil or grease to the winch brake mechanism.

3.13.- Not approved to lift people.

3.14.- For the transport, download all the sections and blockade them with their safety catches.

#### **4.- Operating.**

4.1.- In order to place the tower in their working position, put the tower on a hard and levelled surface.

4.2.- Get out the legs (P) of their support for the transport (S) and insert them in their working lodging (V) verifying that they are tightly fastened by the safety catches (R).

4.3.- Put the load on the top using the suitable support, only in order to use the tower vertically. The minimum load must be 25 kg.

4.4.- Elevation:

Unblock safety catch (M1) and elevate the tower rotating the hand crank of the winch (W) in a clockwise (N<sub>1</sub>) lifting the load up to desired height.

4.5.- Descending:

The load descending is obtained by the opposite way. Unblock the safety catch (M1) and rotate the winch hand crank in a counterclockwise (N<sub>2</sub>) until the tower gets completely folded down to its minimum height.

The tower can be left in any intermediate needed position as in lifting.

4.6.- For the tower transport is necessary to fold the tower lowering completely all the profiles, blockading them with the safety catch (M1). Get out the legs lifting the blockade on the catches and put them in their transport lodging (S).

## **5.- Maintenance.**

5.1.- The cables get spoiled, because of this all cables have to be regularly checked. Faulty cables must be replaced immediately. Do not use the lifting tower with faulty cables. It is dangerous.

Only use cables DIN 3060.

5.2.- The lifting tower has been lubricated in the manufacturing process. It is nevertheless recommended apply oil regularly to the crown gear of the winch, the bearing of the drive shaft, to the hub, to the screw-thread of the handle and to the profiles of the tower.

### **ATTENTION:**

#### **Do not apply oil or grease to the brake mechanism.**

The brake discs have been pregreased with an special warm and pressure resistant grase. Do not use other greases or this will affect to the winch brake performance.

5.3- The lifting tower T-100 must be inspected by specialized technicians annually at least.

5.4- In orden to mantain this guarantee of function and safety, only spare parts of the manufacturer's desing must be used.

5.5.-When any spare part is required, it is necessary to indicate its reference number included in the spare parts of this manual.

REF	DESCRIPCIÓN / DESCRIPTION	MATERIAL	ACABADO / FINISHED
T-100/001	Tramo base / Base profile	Acero / Steel	Negro / Black
T-100/002	Tramo 1 / Profile 1	Acero / Steel	Negro / Black
T-100/003	Pata base / Base leg	Acero / Steel	Zincado / Zinced
T-100/004	Cable acero 4 mm. / 4 mm. steel cable	Acero / Steel	Galvanizado / Galvanized
T-100/005	Cabrestante / Winch	Acero / Steel	Latón / Brass
T-100/006	Pletina acero / Steel platen	Acero / Steel	Zincado / Zinced
T-100/007	Gatillo retén patas /	Acero / Steel	Zincado / Zinced
T-100/008	Perno roscado M-8 + Tuerca M-8 / Nut M-8	Acero / Steel	Zincado / Zinced
T-100/009	Tornillo M-10 / Screw M-10	Acero / Steel	Zincado / Zinced
T-100/010	Tornillo M-6 + Arandela / Screw M-6 + Washer	Acero / Steel	Zincado / Zinced
T-100/011	Roldana acero / Steel sheave	Acero / Steel	Zincado / Zinced
ACC/4	Pletina acero / Steel platen	Acero / Steel	Zincado / Zinced
ACC/12	Gatillo seguridad / Safety catch	Latón / Brass	Rojo / Red

FANTEK  
Cami del port 3  
Polig. Ind. El Boni

E-46470 Catarroja (Valencia)  
España

## TEST CERTIFICATE

077/2005

**TYPE OF EQUIPMENT:** Truss-Lift for Truss-Systems

**TYPE DESIGNATION:** T-100

**DESCRIPTION:** Truss-Lift shared in 2 parts  
Weight: 17,5 kg (175 N)  
Min. Height: 2,03 m  
Max. Height: 3,80 m  
Min. Load: 25 kg (250 N)  
Max. Load: 100 kg (1.000 N)

**TEST DOCUMENTS:** BGV C1 (GUV-VC1) / BGG 912 (GUV-G912)

**DATE OF PROVEMENT:** 04 April 2005

**TEST RESULTS:** The described Truss-Lift meets all the requirements specified in the German BGV C1 (GUV-VC1).

**PERIOD OF VALIDITY:** 31 December 2010

Mülheim/Ruhr, 05 April 2005

IBB Ingenieure  
  
Dipl.-Ing. univ. Olaf Brandt  
Ermächtigungs-Nr.: 00-008-B1B2B3B4



Dipl.-Ing. univ.  
**Olaf Brandt**  
Nollendorfsstraße 18  
45472 Mülheim an der Ruhr  
fon 0208/377 88 84 fax 377 88 85







