

FANTEK
Ferros y Aluminio Navarro

T-106

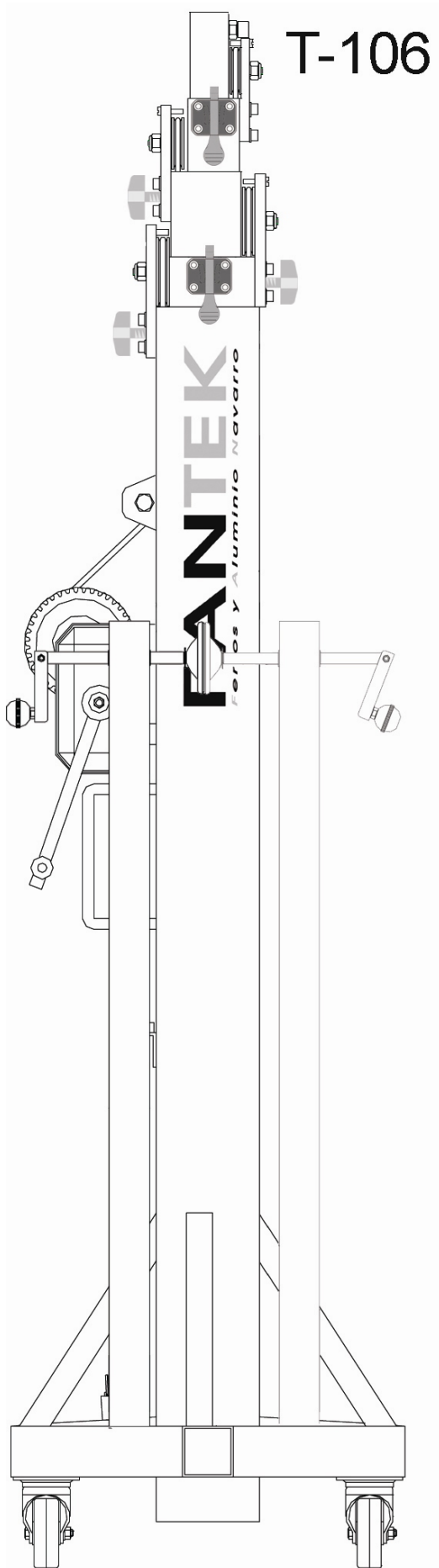


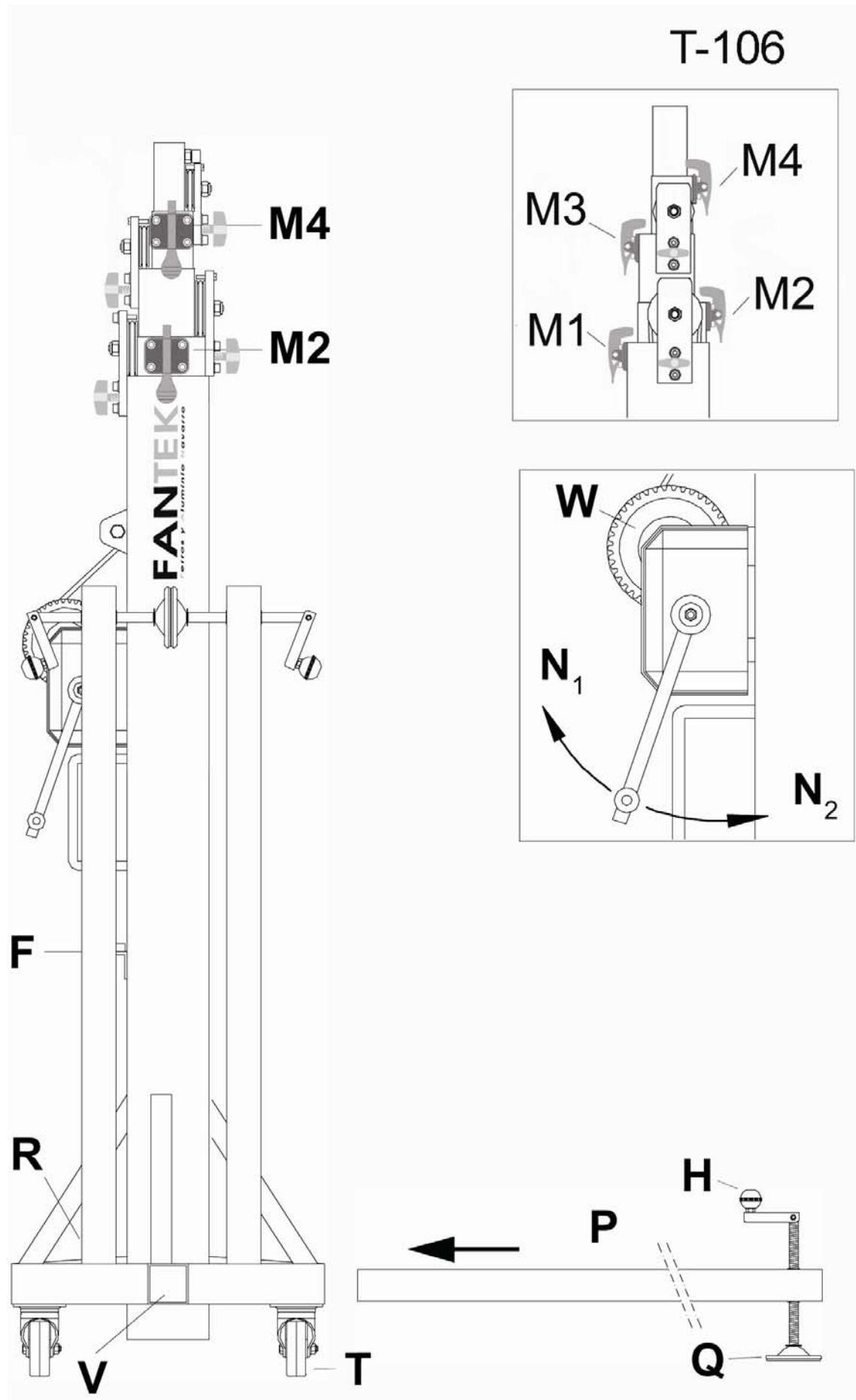
(E) TORRE ELEVADORA
MANUAL DE INSTRUCCIONES

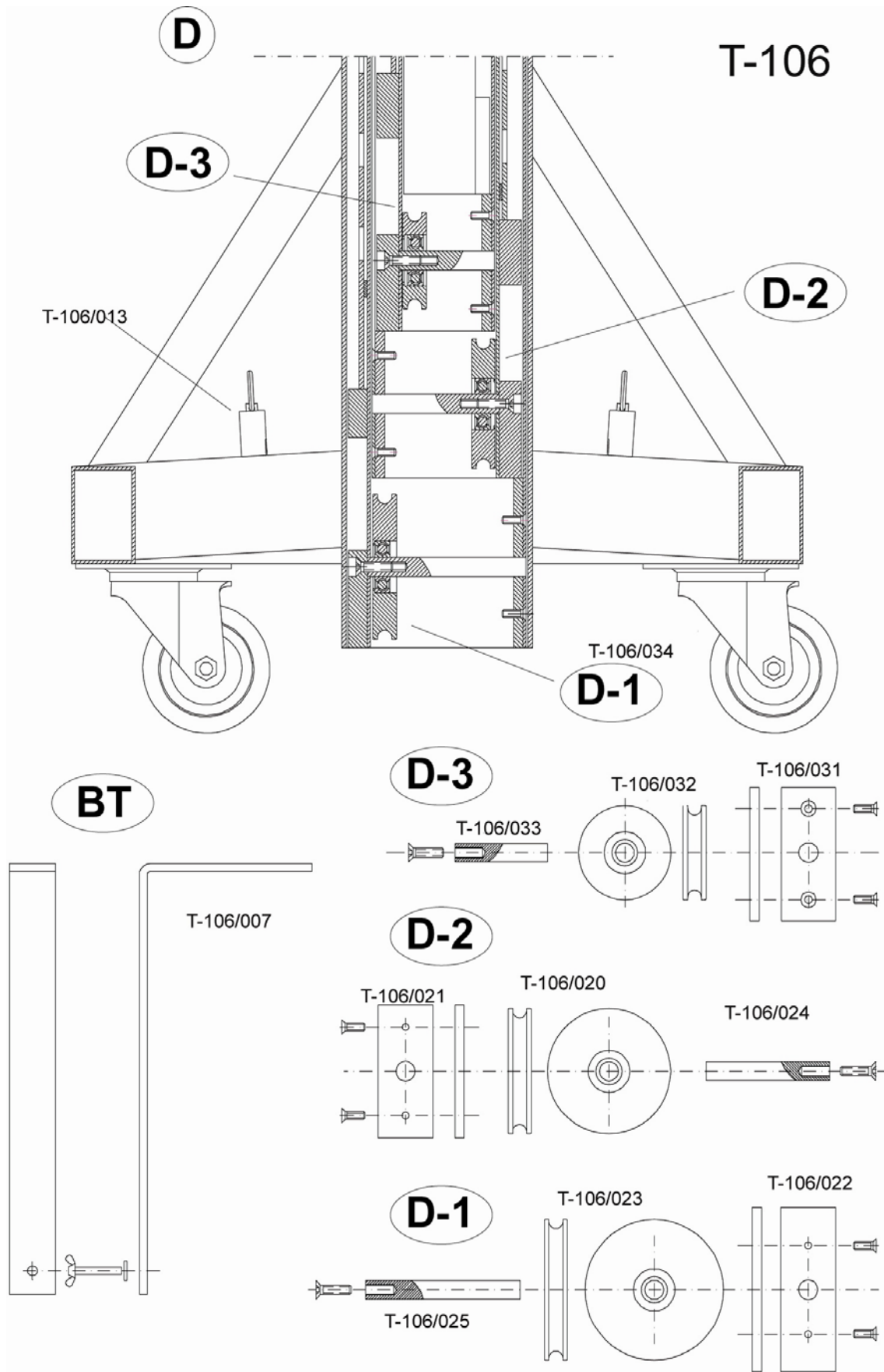
(GB) ELEVATOR TOWER
OPERATING INSTRUCTIONS

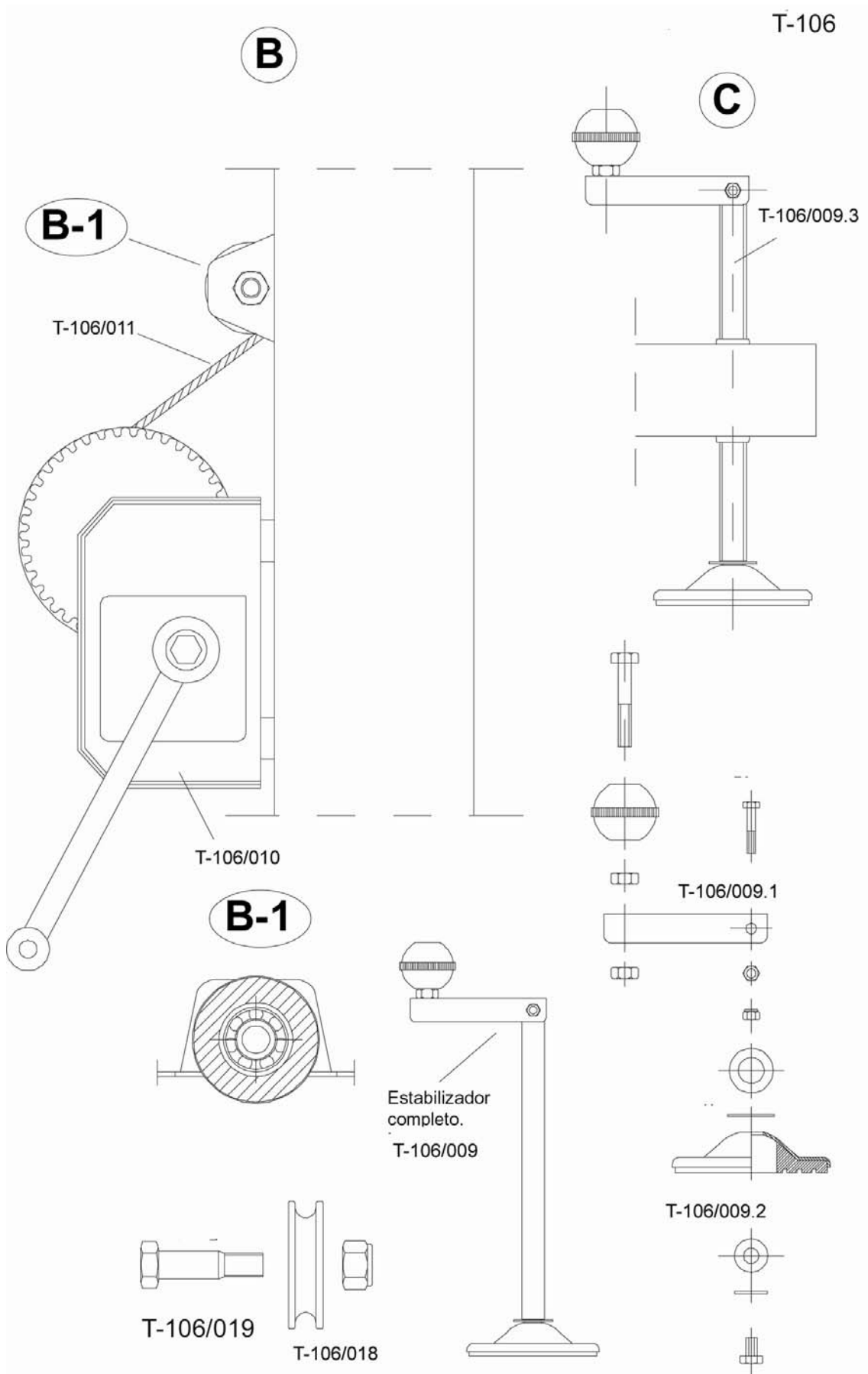
(D) TRAVERSENLIFT
BEDIENUNGSANLEITUNG

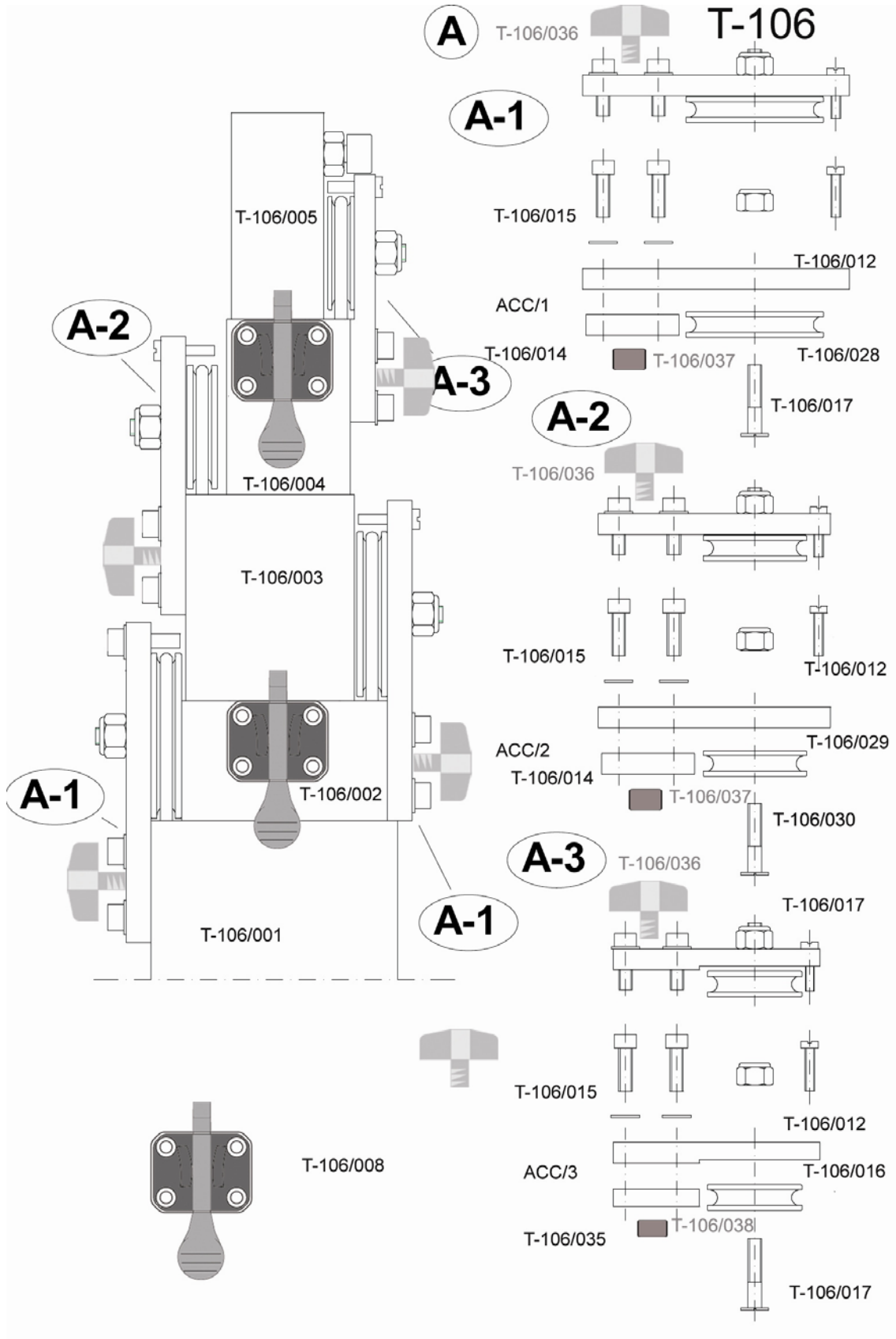
(F) PIED ÉLÉVATEUR
MODE D'EMPLOI

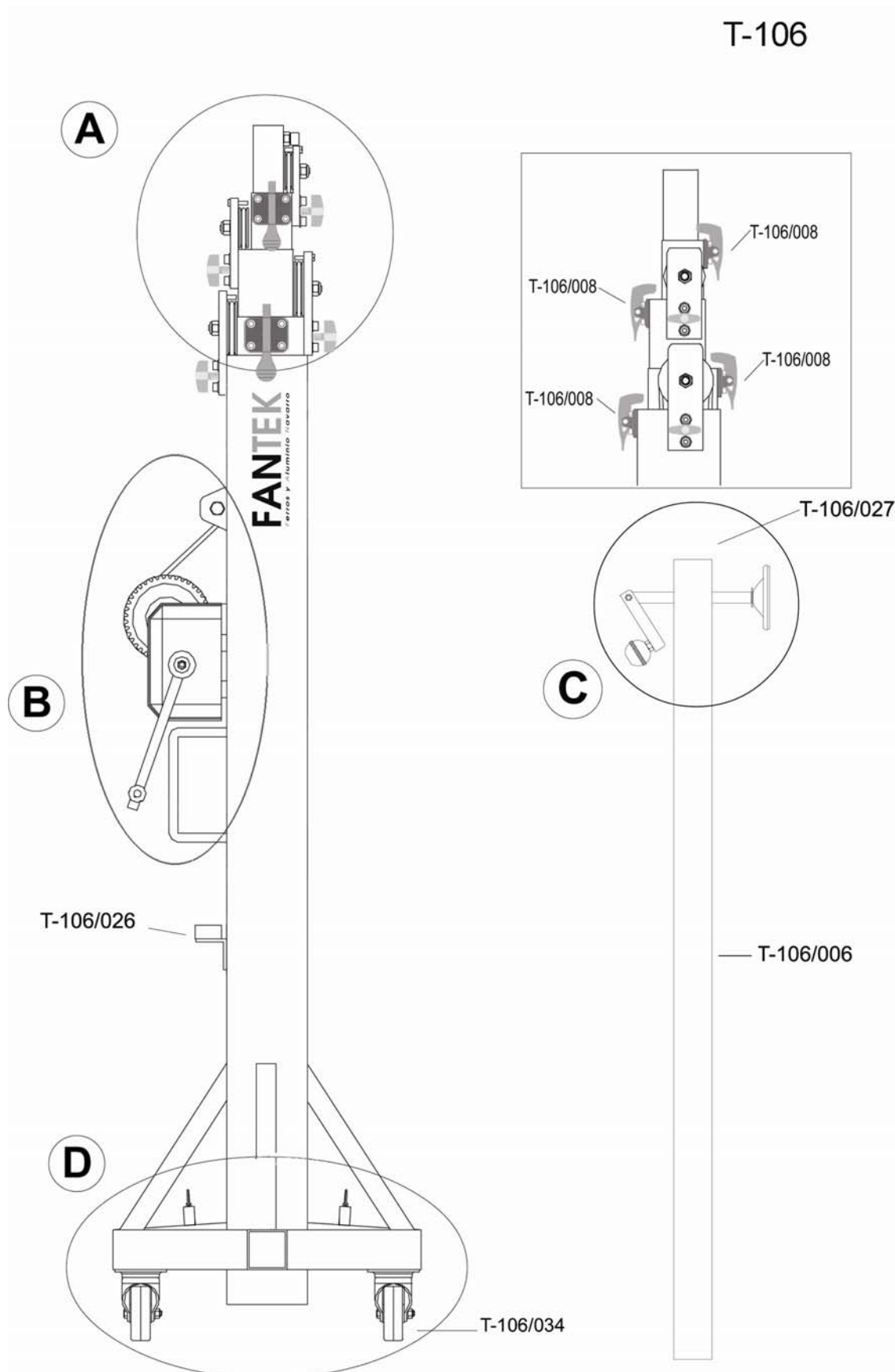












1.- Introduction.

Dear customer, in order to make reliable operating with our T-106 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 information.

Lifting tower T-106. This tower is designed to lift loads vertically up to different heights as a support of lighting sets.

2.1.- Max. load: 225 kg.

2.2.- Min. load: 25 kg.

2.3.- Max. height: 6,5 m.

2.4.- Min. height: 1,75 m.

2.5.- Base area: 2,5 x 2,5 m.

2.6.- Folded base area: 0,5 x 0,5 m.

2.7.- Weight: 98 kg.

2.8.- Winch: 650 kg. maximum load winch with automatic brake to stop the load. Certificated in Düsseldorf according to DIN 15020 and VBG 8 with the number 93310.

2.9.- Cable: Steel DIN 3060. Quality 160 kg/mm². Twisting – resistant. Cable: 6 mm. cable diameter.

2.10.- Construction material: Steel profiles DIN 2394.

2.11.- Five telescopic profile systems steel cable operated and channelled steel pulleys with ball bearings guided.

2.12.- Profiles fixing to the desired height by safety steel ACC/12 catches.

2.13.- Adjustable stabilizing disc feet in the legs with non slip rubber supports.

2.14.- Anchor of the legs by safety catches.

2.15.- Spirit level to adjust the verticality of the tower.

2.16.- Antirust protection and electrolytic cadmiated.

2.17.- Swivel wheels for the vertical transport of the tower to its working location when folded.

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 taking care the spirit level (F) is placed in the center. Adjust, if it's necessary, with the disc feet supports, (Q), rotating the hand crank (H).

3.4.- Verify the lifting tower is locked on the working position by the automatic blocking catch. (M1, M2, M3, M4), rotating the winch crank one round on the counterclockwise. The lifting tower must be blocked on the working height. Once you've tested it, rotate the hand crank winch on the clockwise until the cable gets tensed.

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

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

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

3.8.- Do not stay under the load.

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

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

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

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

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

3.14.- Not approved to lift people.

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

4.- Operating.

4.1.- In order to place the lifting tower in their working position, put the tower leaned in their transport wheels (T) on a resistant and levelled surface.

4.2.- Take out the legs (P) from their transport place (S) and insert them in their working lodging (V) verifying they are tightly fastened by the safety catches (R).

4.3.- Adjust the vertical position of the tower by means of the foots round hand crank (Q) rotating it (H) in the necessary direction to manage the bubble of the spirit level (F) to the circle center.

4.4.- Put the load on the top of the tower using the suitable support, in order to raise the load vertically. The minimum load must be 25 kg.

4.5.- Elevation:

Rotate the winch hand crancck in a clockwise (N1) lifting the tower until the desired position, and getting completely out the first profile. Check the automatics catches (M1, M2, M3) are being nailed, fixing automatically the profiles. The safety catches must always remain nailed when the elevation is finished. This is obtained decreasing a few centimeters the load height once in the desired position. While you are lifting the tower you must fix the adjustment handles before of giving up the following profile.

4.6.- Descending:

Let's give up the adjustment handle of the last profile that has been lifted. As following unblock the security catch (M1). In working position the weight of the load avoid to unblock the catches, for unblocking thre security catches tou must elevate a few centimeters the load by using the winchc. Once the catch (M1) is unblocked, rotate the winch hand crancck in counterwise (N2) until the profile 1 is completely folded, then fix the profile with the adjustment handle to have it ready for transport. Get free the handle of the profile number 2 and give up the catch (M2), continue lowering the load until the second profile gets completely folded down to its minimum height, press the handle of this profile. Repeat the operation with the profile number 3 and 4.

The tower can be left in any intermediate needed position, equally in the lifting process.

4.7.- For the transport of the tower is necessary to fold the tower lowering their profiles completely, blockading them with the safety catches (BT). Get out the legs lifting the blockade on the catches and put them in their transport lodging (S). Press the fastening screw (J).

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 elevator tower with faulty cables. It is dangerous.
Only use handle cables DIN 3060.

5.2.- The elevator tower has been lubricated in the manufacturing process. It is nevertheless recommended apply oil regularly to the gear drive, the bearing bushes on the drive shaft, and to the drum hub, the thread of the handle and the profiles of the tower.

ATTENTION:

Do not apply oil or grease to the brake mechanism.

The brake washers have been pregreased with a special warmth and pressure resistant grease. Do not use other greases as this will affect to the winch brake performance.

5.3.- The lifting tower T-106 must be inspected by specialized technicians annually at least.

5.4.- In order to maintain this guarantee of function and safety, only spare parts of the manufacturer's design must be used.

The user forfeits all rights to claim if parts other than those of the manufacturer are used or modifies the product in any other way.

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

REF	DESCRIPCION/DESCRIPTION	MATERIAL
T-106/001	Tramo base / Base profile	Acero / Steel
T-106/002	Tramo 1 / Profile 1	Acero / Steel
T-106/003	Tramo 2 / Profile 2	Acero / Steel
T-106/004	Tramo 3 / Profile 3	Acero / Steel
T-106/005	Tramo 4 / Profile 4	Acero / Steel
T-106/006	Pata base / Base leg	Acero / Steel
T-106/007	Pletina L / Platen L	Acero / Steel
T-106/008	Gatillo seguridad / Safety catch	Zamak
T-106/009	Estabilizador completo / Complet stabilizer	Acero / Steel
T1-06/009.1	Pomo baquelita / Handle	Plástico / Plastic
T-106/009.2	Platillo apoyo estampado / Plate support printing	Acero-Caucho / Steel-Caoutchouc
T-106/009.3	Perno roscado M-16 / Screwed bolt M-16	Acero / Steel
T-106/010	Cabrestante / Whinch	Acero / Steel
T-106/011	Cable acero / Steel cable	Acero / Steel
T-106/012	Tornillo M-6 / Screw M-6	Acero / Steel
T-106/013	Gatillo retén patas / Trigger leg	Acero / Steel
T-106/014	Pletina acero / Steel platen	Acero / Steel
T-106/015	Tornillo M-8 / Screw M-8	Acero / Steel
T-106/016	Roldana acero / Steel sheave	Acero / Steel
T-106/017	Perno roscado M-12 / Screwed bolt M-12	Acero / Steel
T-106/018	Roldana acero / Steel sheave	Acero / Steel
T-106/019	Tornillo M-12 / Screw M-12	Acero / Steel
T-106/020	Roldana acero / Steel sheave	Acero / Steel
T-106/021	Pletina acero / Steel platen	Acero / Steel
T-106/022	Pletina acero / Steel platen	Acero / Steel
T-106/023	Roldana acero / Steel sheave	Acero / Steel
T-106/024	Eje acero / Steel axis	Acero / Steel
T-106/025	Eje acero / Steel axis	Acero / Steel
T-106/026	Nivel / Level	Plástico / Plastic
T-106/027	Tapón pata / Leg cup	Plástico / Plastic
T-106/028	Roldana acero / Steel sheave	Acero / Steel
T-106/029	Roldana acero / Steel sheave	Acero / Steel
T-106/030	Tornillo M-10 / Screw M-10	Acero / Steel
T-106/031	Pletina acero / Steel platen	Acero / Steel
T-106/032	Roldana acero / Steel sheave	Acero / Steel
T-106/033	Eje acero / Steel axis	Acero / Steel
T-106/035	Pletina de acero 106 / Steel platen	Acero/Steel
T-106/034	Rueda / Wheel	Goma / Rubber
T-106/036	Pomo ajuste / Handle to fit	Plastico/Plastic
T-106/037	Tapón de nylon/nylon cap	Nylon/Nylon
T-106/038	Tapon de nylon 10/ nylon cap 10	Nylon/Nylon
ACC/1	Pletina acero / Steel platen	Acero / Steel
ACC/2	Pletina acero / Steel platen	Acero / Steel
ACC/3	Pletina acero / Steel platen	Acero / Steel

FANTEK
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Polig. Ind. El Boni

E-46470 Catarroja (Valencia)

España

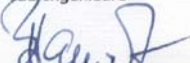
TEST CERTIFICATE

082/2005

TYPE OF EQUIPMENT: Truss-Lift for Truss-Systems
TYPE DESIGNATION: T-106
DESCRIPTION: Truss-Lift shared in 5 parts
Dead Weight: 95 kg (950 N)
Min. Height: 1,82 m
Max. Height: 6,40 m
Min. Load: 25 kg (250 N)
Max. Load: 225 kg (2.250 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


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