



FANTEK
Ferros y Aluminio Navarro

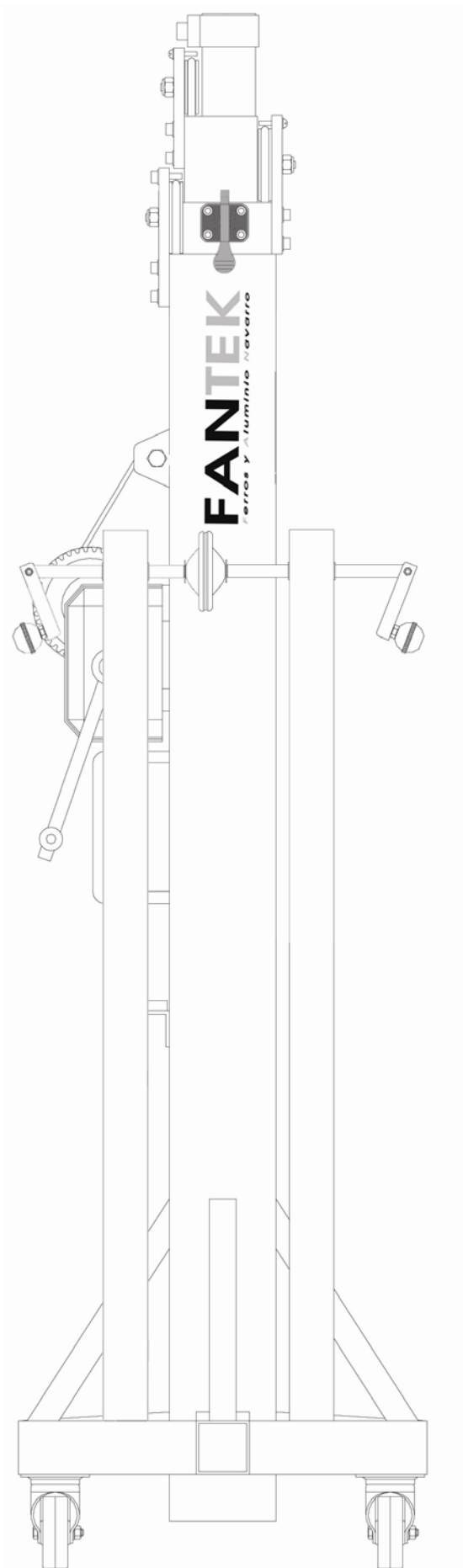
T-105

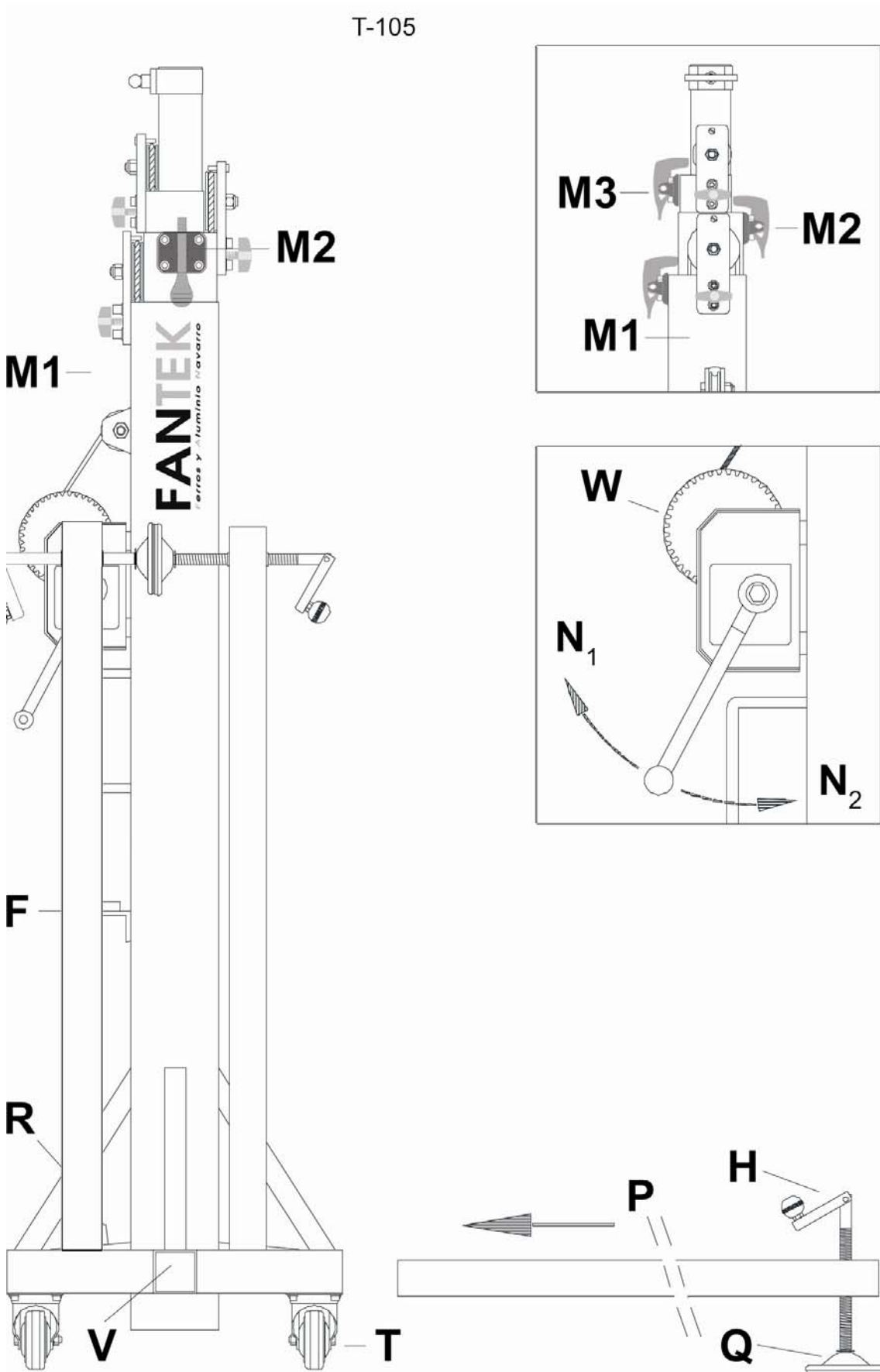
(E) TORRE ELEVADORA
MANUAL DE INSTRUCCIONES

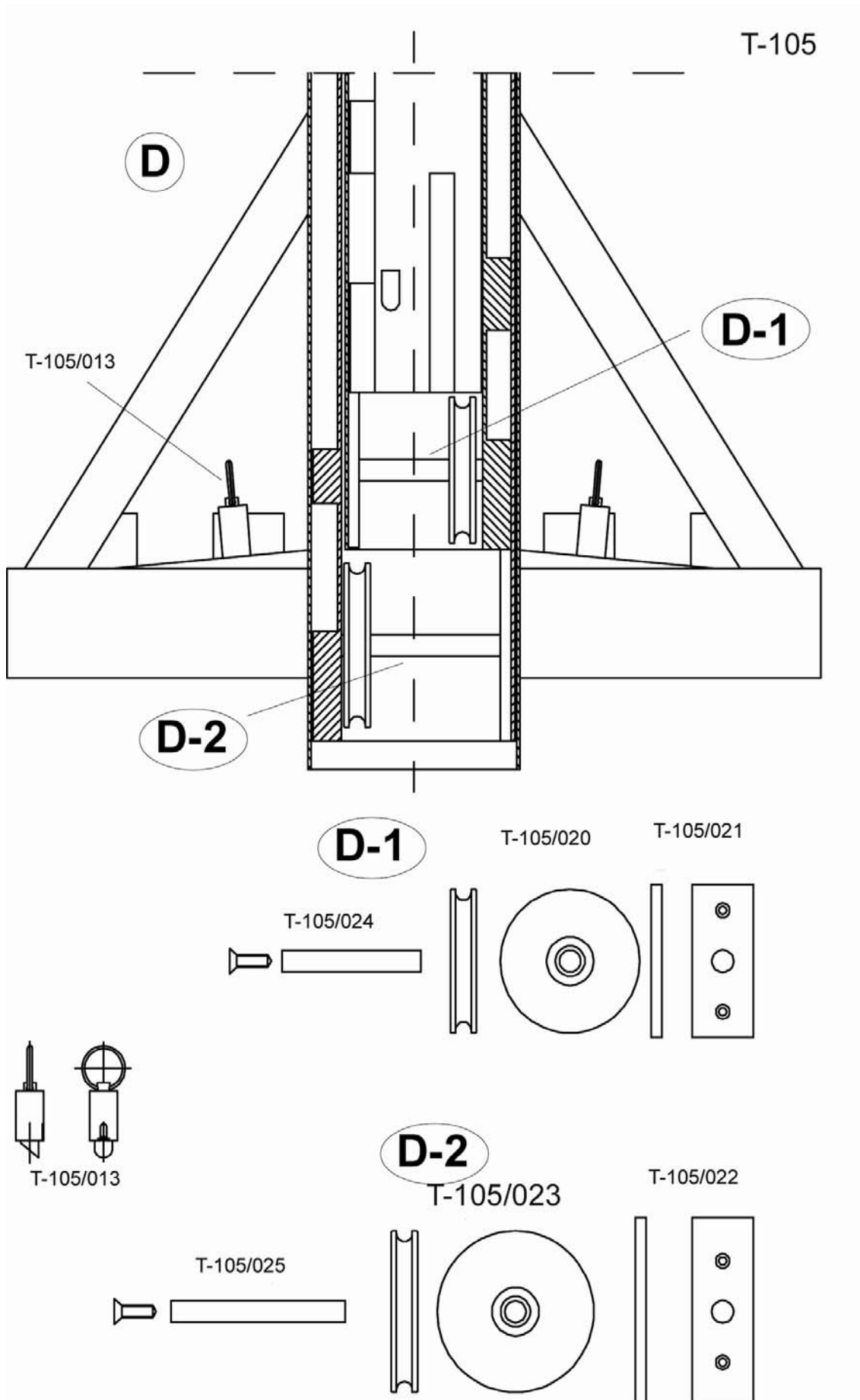
(GB) ELEVATOR TOWER
OPERATING INSTRUCTIONS

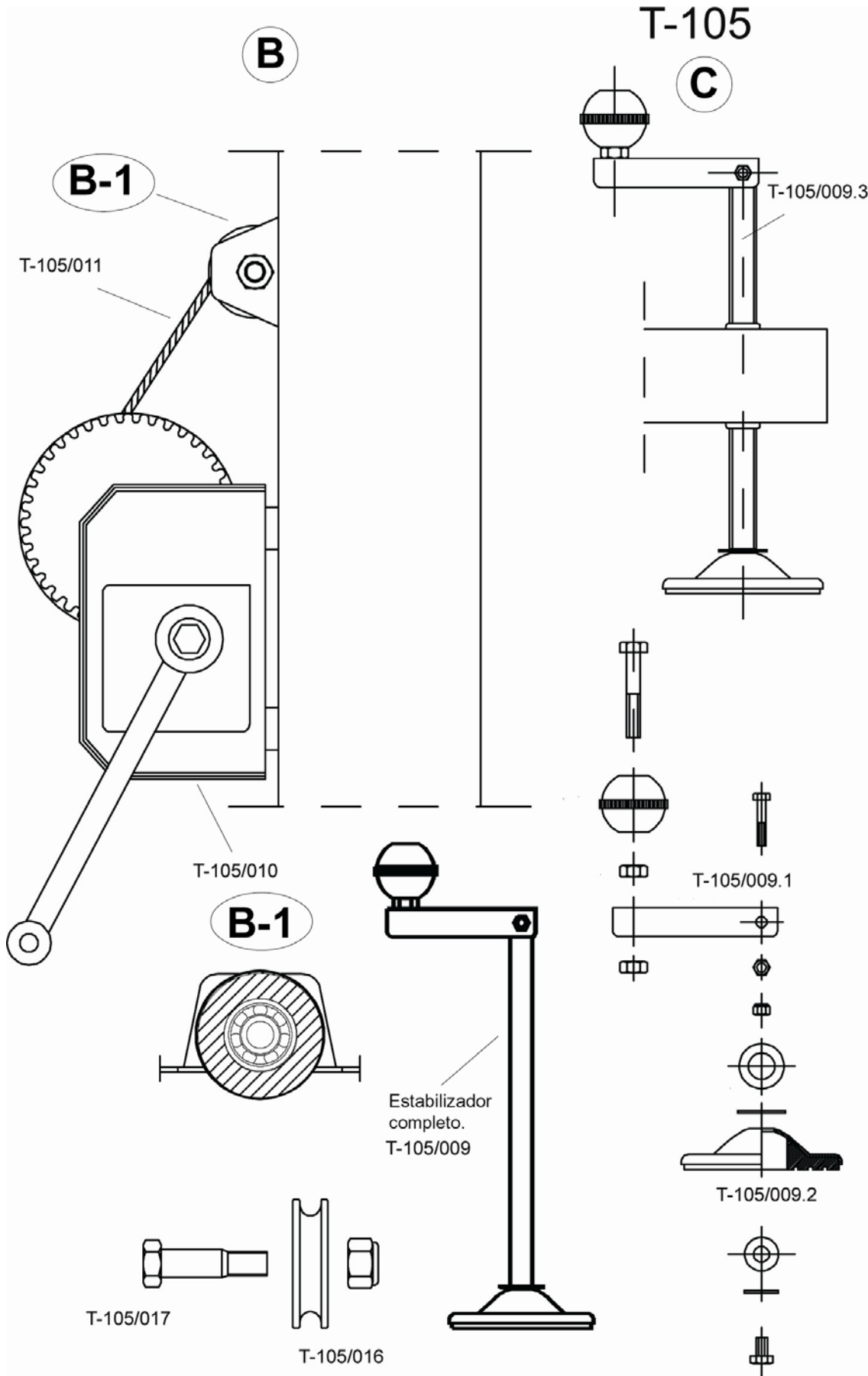
(D) TRAVERSENLIFT
BEDIENUNGSANLEITUNG

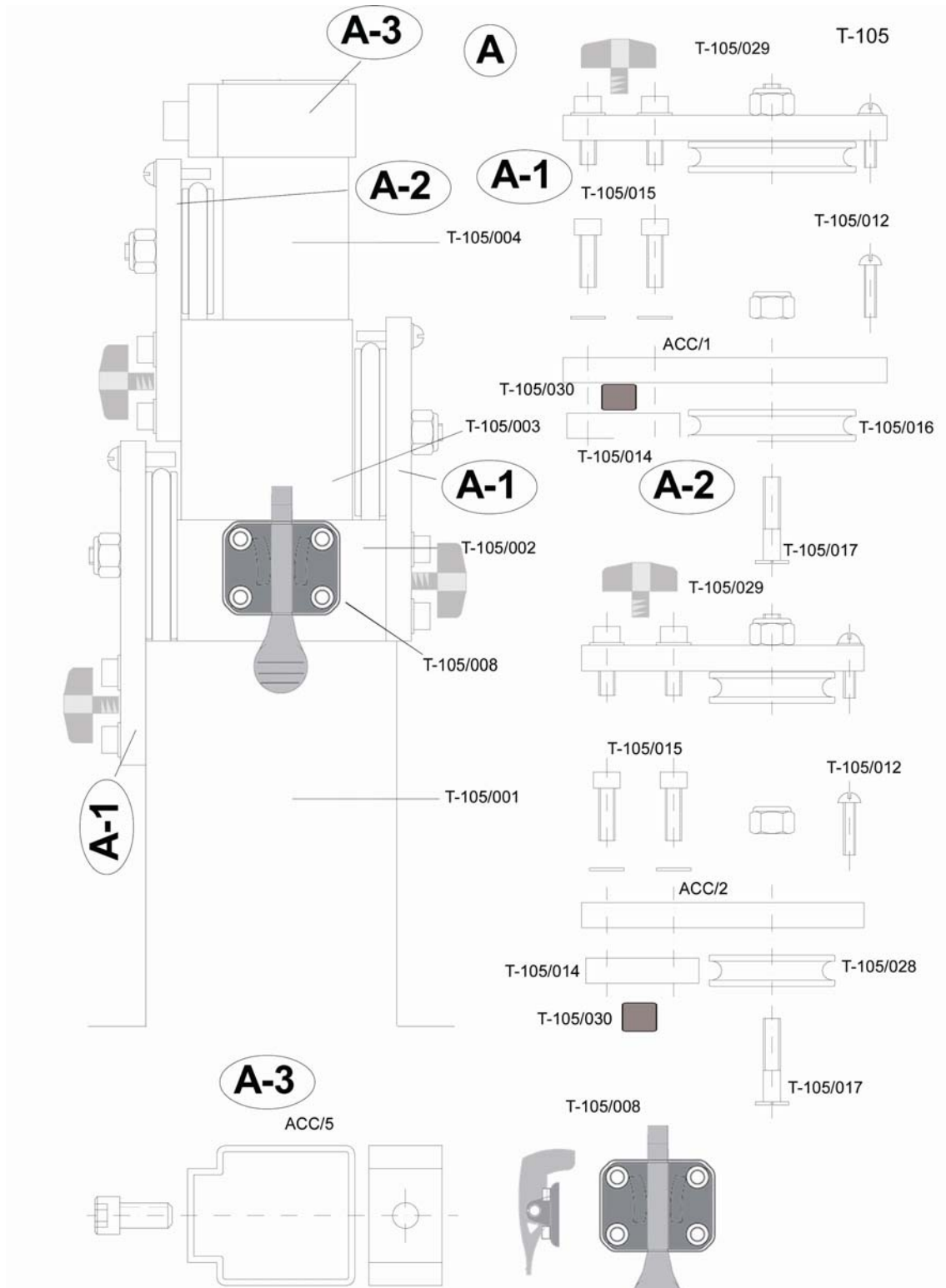
(F) PIED ÉLÉVATEUR
MODE D'EMPLOI



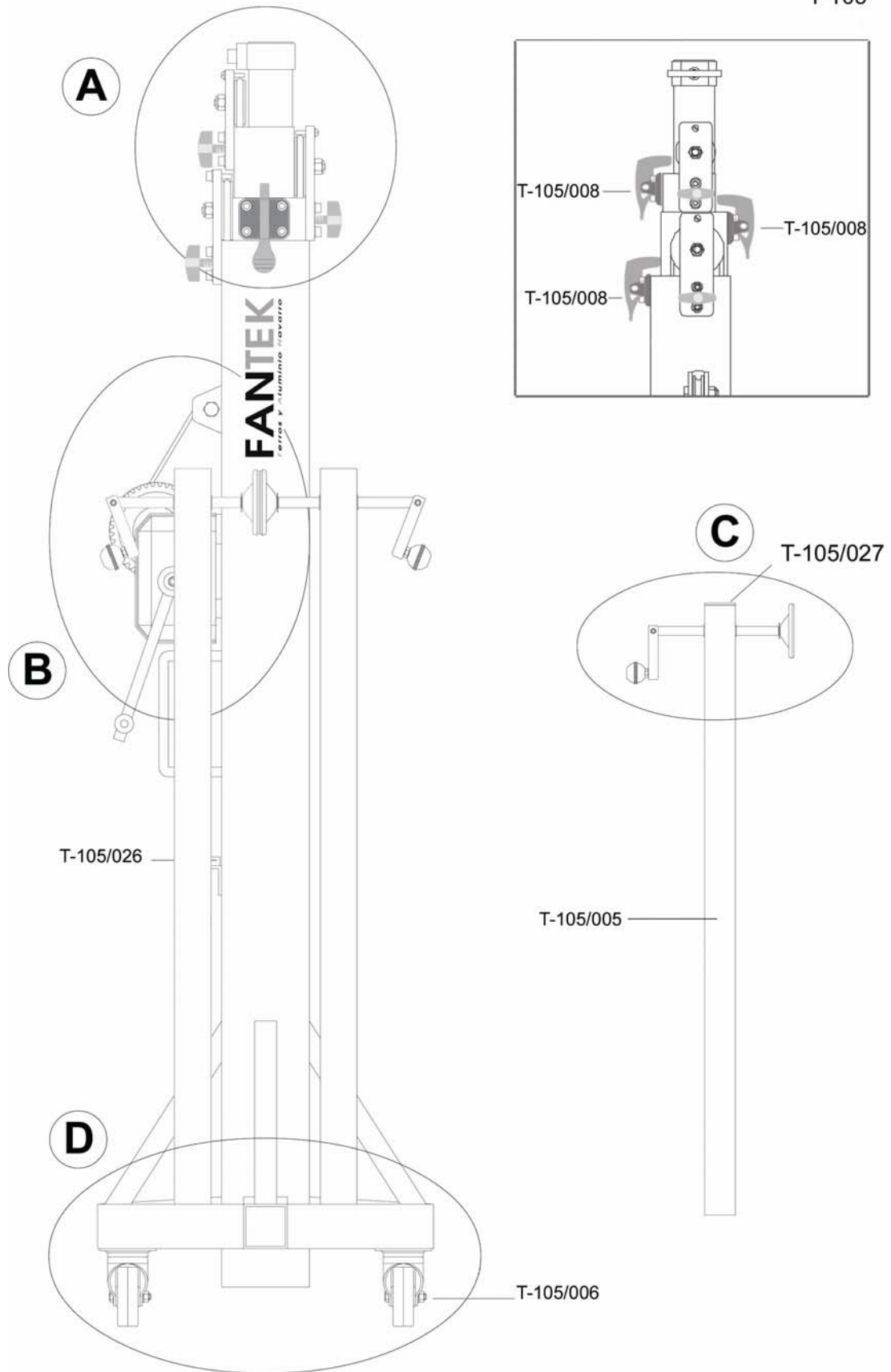








T-105



1.- Introduction.

Dear customer, in order to make reliable operating with our T-105 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-105. 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: 5,3 m.

2.4.- Min. height: 1,75 m

2.5.- Base area: 2,10 x 2,10 m.

2.6.- Folded base area: 0,46 x 0,46 m.

2.7.- Weight: 90 kg.

2.8.- Winch: 650 kg. maximum load winch with automatic brake to stop the load. Certified 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. 6 mm. cable diameter

2.10.- Construction material: Steel profiles DIN 2394.

2.11.- Four telescopic profiles system operated by steel cable and guided by channelled steel pulleys with ball bearings.

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

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

2.14.- Anchor of the legs by safety catches.

2.15.- Spirit level to adjust the tower verticality.

2.16.- Antirust protection and electrolytic cadmiated.

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

3.- Safety precautions.

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

3.2.- Verify that the legs are correctly inserted and fastened.

3.3.- Verify that the tower is in a vertical position by means of the spirit level (F) placed in the base. Adjust, if 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), 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 on 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 tower in their working position, put the tower on a hard and levelled surface.

4.2.- Get on 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.- Adjust the vertical position of the tower by means of the disc feet supports (Q) rotating the hand crank (H) in the necessary direction to manage the spirit bubble (F) to the centre.

4.4.- Put the load on the top of the tower using the suitable support, in order to make work the weight only in the vertical direction. The minimum load must be 25 kg.

4.5.- Elevation:

Rotate the winch hand crank in a clockwise (N1) lifting the tower until the desired position, and getting completely out the first profile. Check the automatic 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.

4.7.- 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 three security catches you must elevate a few centimeters the load by using the winch. Once the catch (M1) is unblocked, rotate the winch hand crank 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.

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

4.8.- For the tower transport is necessary to fold the tower lowering completely all the profiles, blockading them with the safety catches (M1, M2). 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 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 discs have been pregreased with an special warmth and pressure resistant grease. Do not use other greases or this will affect to the winch brake performance.

5.3.- The lifting tower T-105 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 included in the spare parts of this manual.

| REF | DESCRIPCION/DESCRIPTION | MATERIAL |
|-------------|---|---------------------------------|
| T-105/001 | Tramo base / Base profile | Acero / Steel |
| T-105/002 | Tramo 1 / Profile 1 | Acero / Steel |
| T-105/003 | Tramo 2 / Profile 2 | Acero / Steel |
| T-105/004 | Tramo 3 / Profile 3 | Acero / Steel |
| T-105/005 | Pata base / Base leg | Acero / Steel |
| T-105/006 | Ruedas / Wheels | Goma / Rubber |
| T-105/008 | Gatillo seguridad / Safety catch | Zamak |
| T-105/009 | Estabilizador completo / Complet stabilizer | Acero / Steel |
| T-105/009.1 | Pomo baquelita / Handle | Plástico / Plastic |
| T-105/009.2 | Platillo apoyo estampado / Plate support printing | Acero-Caucho / Steel-Caoutchouc |
| T-105/009.3 | Perno roscado M-16 / Screwed bolt M-16 | Acero / Steel |
| T-105/010 | Cabrestante / Whinch | Acero / Steel |
| T-105/011 | Cable acero / Steel cable | Acero / Steel |
| T-105/012 | Tornillo M-6 / Screw M-6 | Acero / Steel |
| T-105/013 | Gatillo retén patas / Trigger leg | Acero / Steel |
| T-105/014 | Pletina acero / Steel platen | Acero / Steel |
| T-105/015 | Tornillo M-8 / Screw M-8 | Acero / Steel |
| T-105/016 | Roldana acero / Steel sheave | Acero / Steel |
| T-105/017 | Perno roscado M-12 / Screwed bolt M-12 | Acero / Steel |
| T-105/018 | Roldana acero / Steel sheave | Acero / Steel |
| T-105/019 | Tornillo M-12 / Screw M-12 | Acero / Steel |
| T-105/020 | Roldana acero / Steel sheave | Acero / Steel |
| T-105/021 | Pletina acero / Steel platen | Acero / Steel |
| T-105/022 | Pletina acero / Steel platen | Acero / Steel |
| T-105/023 | Roldana acero / Steel sheave | Acero / Steel |
| T-105/024 | Eje acero / Steel axis | Acero / Steel |
| T-105/025 | Eje acero / Steel axis | Acero / Steel |
| T-105/026 | Nivel / Level | Plástico / Plastic |
| T-105/027 | Tapón pata / Leg cap | Plástico / Plastic |
| T-105/028 | Roldana acero / Steel sheave | Acero / Steel |
| T-105/029 | Pomo ajuste/Handle to fit | Plastico/Plastic |
| T-105/030 | Tapon de nylon/nylon cap | Nylon/nylon |
| ACC/1 | Pletina acero / Steel platen | Acero / Steel |
| ACC/2 | Pletina acero / Steel platen | Acero / Steel |
| ACC/5 | Contera grande / Big tip | Acero / Steel |

FANTEK
Cami del port 3
Polig. Ind. El Boni

E-46470 Catarroja (Valencia)

España

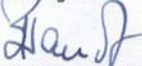
TEST CERTIFICATE

081/2005

TYPE OF EQUIPMENT: Truss-Lift for Truss-Systems
TYPE DESIGNATION: T-105
DESCRIPTION: Truss-Lift shared in 4 parts
Dead Weight: 90 kg (900 N)
Min. Height: 1,72 m
Max. Height: 5,30 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/Ruhr05 April 2005

IBB Ingenieure



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



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