ES EN DE

CE

DEKRA CERTIFICATION BGV C1



TE-046

TORRE ELEVADORA
TOWERLIFT
TRAVERSENLIFT

MANUAL DE INSTRUCCIONES
OPERATING INSTRUCTIONS USER MANUAL
BEDIENUNGSANLEITUNG

PROLIFTS S.L.

V.09.19

LIFTING TOWER TE-046
TORRE ELEVADORA TE-046

CE

CERTIFICATIONS / CERTIFICACIONES

EC Conformity Declaration pursuant to the EC Machinery Directives 89/392/CE and 98/37/CE: Manual lifters

Find a copy of the certifications at the end of this booklet.

Puede ver una copia de las certificaciones al final del manual.

MADE IN SPAIN (EU)

Manufacturer - Fabricante

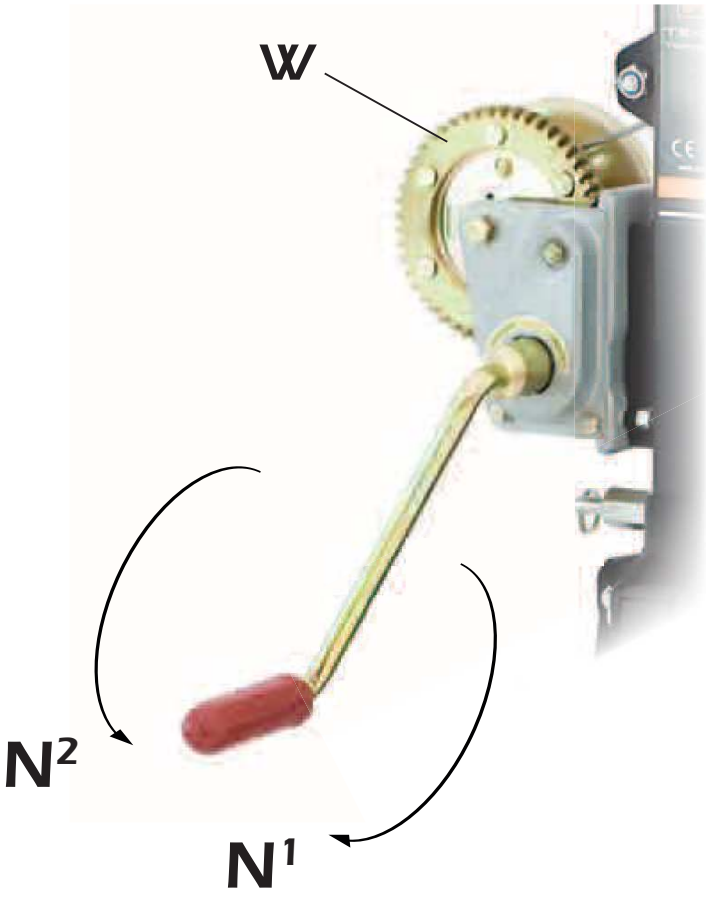
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RECYCLABLE

TE-046







B.....Red VMB knob / Palomilla presión roja VMB
ALS..... Automatic security lock / Gatillo automático seguridad
W.....Winch / Cabrestante
N.....Force on hand crank / Fuerza sobre manivela
SA..... Leg support system / Soporte apoyo de patas
R.....Position blocking lock / Gatillo bloqueo posición SA
K.....Black knob / Pomo retenedor SA

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1. Introduction.
2. Technical information.
3. Safety precautions.
4. Operation.
5. Maintenance.
6. Guarantee.

1. INTRODUCTION

Dear customer,
In order to ensure a safe and reliable operation of the TE-046 towerlift please follow the instructions in this booklet carefully. Before operating the lift, read the instructions completely and please note the technical information contained within this manual.

All VMB products undergo very rigorous testing, under strict conditions and they are monitored continuously during the manufacturing process.
In order to guarantee the lifts function and safety, only original parts from the manufacturer must be used. If any parts other than those of the manufacturer are used, or the product is modified in any way, the user forfeits all warranty rights to claim. VMB reserves the right to modify the product specifications without prior notice.
The model type, production year and serial number must be quoted in any queries or orders for spare parts.

2. TECHNICAL INFORMATION

2.1 - TE-046 Towerlift.

2.2 - Designed to lift loads, such as trussing and lighting, vertically up to different heights.

2.3 - Maximum load : 150 Kg (330.7 lb).

2.4 - Minimum load : 25 Kg (55 lb).

2.5 - Maximum height : 4.6 m (15.1').

2.6 - Folded height : 1.63 m (5.35').

2.7 - Transport surface: 0.28x0.37x1.63m (0.92'x1.21'x5.35').

2.8 - Shipping dimension: 0.32x0.21x1.67m (1.05'x0.69'x5.48'). (Handle removed).

2.9 - Maximum working surface: 1.24 x 1.24m (4.05' x 4.05').

2.10 - Unit weight : 31 Kg (68.34 lb).

2.11. - Adaptator: Ø 35 mm (PSU-034/PSU-06).

2.12 - Construction material : Steel profiles DIN 2394.

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

2.14 - Winch: 450 Kg (990 lb). maximum load with automatic brake. Certification CE and GS TÜV.

2.15 - Cable : Steel DIN 3060. Quality 180 Kg/mm^2 twist resistant.
Cable diameter : Ø4 mm.

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2.16 - Exclusive ALS system (Auto-Lock Security), pat. pen. 200501056.hed in satin polyester.

2.17 - Legs with plastic end caps.

2.18 - Anchor of the support system of the legs via safety catch and knob.

2.19 - Antirust protection, primed paint with cured polyester dust cover. The tower can be supplied with natural aluminium finish or black (version B).

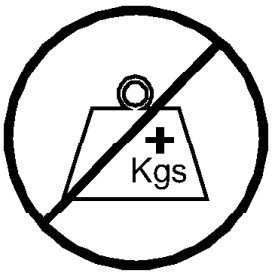
3. SAFETY PRECAUTIONS.



3.1 - The TE-046 is a machine designed to elevate loads upwards in a vertical direction, It should NEVER be used as a platform to elevate people.



3.2 - Only place the towerlift on hard and flat surfaces.

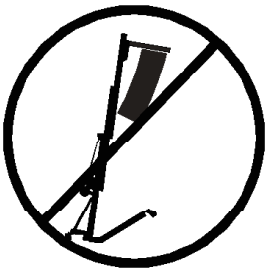


3.3 - The maximum load indicated on the characteristics label and the instructions manual should not be exceeded.



3.4 - This lift should NEVER be used to elevate a load that has not been properly checked. It is necessary to verify that the load is correctly supported and centred on the appropriate lift support so that the weight of the load will only elevate in a vertical direction.

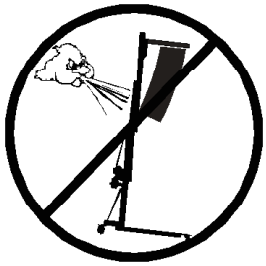
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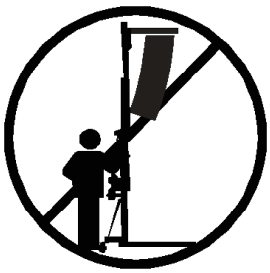
3.5 - Verify that the tower is in a vertical position and check that the support system (**SA**) is fixed by the safety catch pawl (**R**) and the retainer knob (**K**).



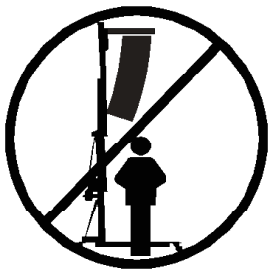
3.6 - NEVER use the lift on a vehicle or any other mobile surface.



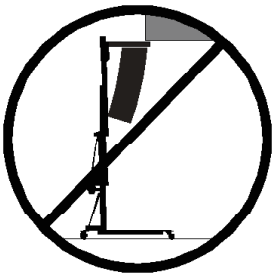
3.7 - If there is a possibility of strong winds or gusts, place the lift on the ground firmly and secure it with the use of straps. NEVER attach a strap to a vehicle or any other object that can possibly be moved.



3.8 - NEVER move the lift whilst it is carrying a load. It is not advisable to carry out any type of horizontal movement even small positional adjustments.



3.9 - NEVER allow any team member below the load or anybody else in the lifts operating zone.

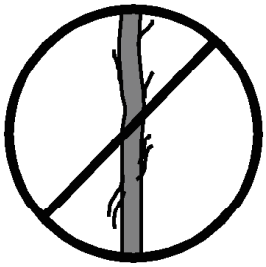


3.10 - Take care with all obstacles above the lift and its extension zone such as cornices, balconies, and luminous signboards. It is very important to avoid the presence of all types of cables below the extended lift.

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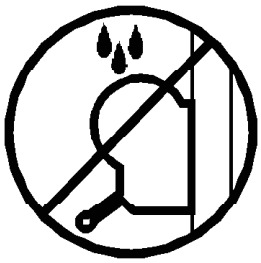
3.11 - Do not use stepladders on the lift or use it as a support for them.



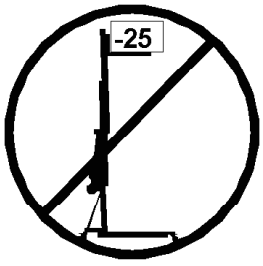
3.12 - Before using the lift, check the condition of the cable. The cable should not have broken threads or show any signs of crushed/flattened areas. NEVER use faulty cables, always change them if there is any doubt. Only use VMB steel cables; reference: DIN 3060. Quality: 180KG/mm and torsion resistant.



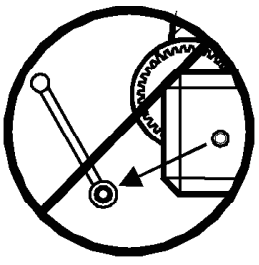
3.13 - All sections must be lowered first, and the support system (**SA**) must be locked with the catch pawl (**R**), before transportation.



3.14 - Do not grease or lubricate the winch's braking mechanism. The brake disks have been greased with a special heat and pressure resistant solution. Other products should not be used to avoid negative effects regarding the braking mechanism.



3.15 - The minimum load to avoid problems regarding the braking mechanism is 25Kg. Without this load the brake will not work.



3.16 - NEVER take apart the crank of the winch when the lift is carrying a load or extended.

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ORIGINAL

3.17 - Only original replacement parts should be used.

4. USER INSTRUCTIONS.

4.1 - Place the lift on its working position, in a firm, flat surface.

4.2 - Firstly, remove the position blocking lock (**R**) of the support system (**SA**) and untighten the retainer knob (**K**). Lower the support system (**SA**) until you can fix the safety catch pawl (**R**) in the required position, then tighten the knob (**K**).

4.3 - THE MAXIMUM LOAD IS 150 Kg (330.7 lb). The lift should NEVER be overloaded. Safety at work is the most important issue. Untighten the steel bracket (**B**) and place the load onto the lift using an adequate support according to the need, use so that the weight of the load will only elevate in a vertical direction. The minimum load to activate the brake is 25 Kg.

4.4 - Elevation: Turn the winch crank clockwise (**N^1**) to lift the tower, the red ALS lock enable the lift to rise and automatically block the profiles whilst rising, ensuring that it will never fall.

4.5 - Blocking: Once the system is elevated to its required height gently turn the handle in a anti-clockwise (**N^2**) direction to introduce the ALS locks in its corresponding hole and block the profiles. The ALS lock will take the pressure of the load and release strain applied on the cable.

Security system ALS

The TE-046 incorporates the patented security system ALS (Automatic Lock Security). This VMB red trigger system automatically blocks the tower in the position it is left in. Each section of lift has an ALS that blocks the section in the unlikely event of the cable breaking.

4.6 - Lowering: To bring the lift down you need to first turn the winch handle slightly clockwise (**N^1**) and at the same time pull the red ALS lock out. This releases the blocking systems. Then turn the handle anti-clockwise (**N^2**), whilst maintaining the ALS lock pulled out until the profile has been completely lowered. All red ALS locks should be pulled out one by one whilst the handle is turned anti-clockwise and the profiles are brought down, one by one.

CAUTION

When two towers are used to elevate a bridge, down truss or many towers to elevate a structure of any type, it is almost impossible that two or more people co-ordinate the winches elevating or lowering the loads, at exactly the same pace. At a

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certain point each tower will be extended to a height different to that of the others. **For this reason it is necessary that the structure does not stretch and allows for these differences.** With a rigid fixation and if the level difference is significant, the force generated from the handle of the winch will deform the structure and apply a lateral force to the lifts causing them to break and block.

4.7 - Transport:

For the transport of the tower is necessary to fold the machine lowering every section completely. Once the towerlift is completely folded, unlock the catch pawl (**R**) and untighten the retainer knob (**K**), then rise and close the support system (**SA**) up to its transport position, then fix the safety catch pawl (**R**) and tighten the knob (**K**).

5. MAINTENANCE.

5.1 - Regularly check the state of the cable. If the cable has broken threads, or if it shows any signs of crushed/flattened areas, it should be changed and replaced immediately with a new one. Do not use the lift if the cables are in bad condition. Only use VMB steel cables reference: DIN 3060 torsion resistant.

5.2 - The lift is supplied from the factory completely greased. However, it is recommended to periodically grease according to use, the gearing, the axis bearings, the spiral of the crank, and the sections.

5.3 - All lifts should undergo an annual technical inspection carried out by an authorized VMB dealer to check the certifications and general condition of all the lift's elements and security systems involved in the lift's use.

5.4 - Only use original spare parts to guarantee a continued security level. The user loses all rights to warranty if any spare parts other than originals are used or carries out any modification or alteration to the towerlift.

5.5 - To request a spare part please indicate the corresponding code which can be found in this manual together with the lift's serial number and year of manufacture.

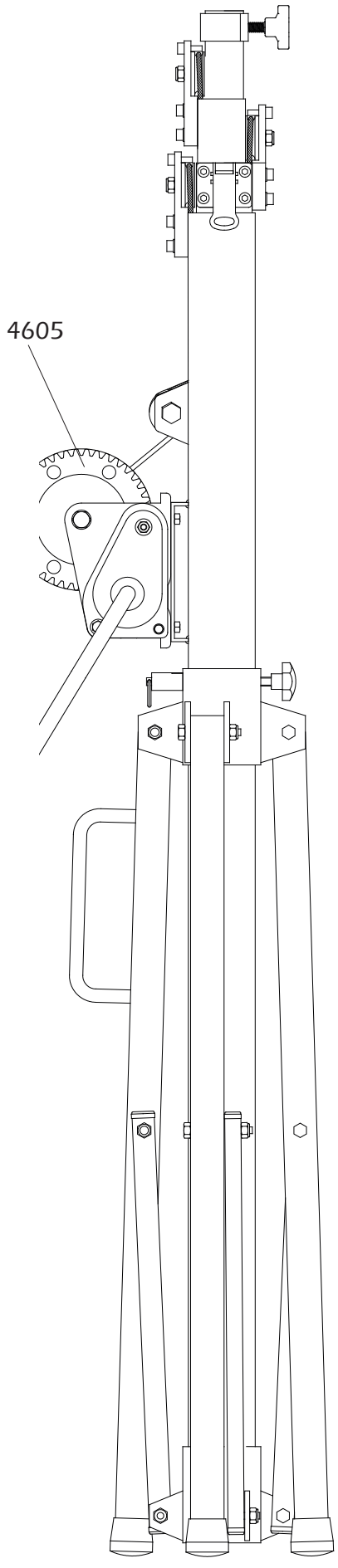
6. GUARANTEE.

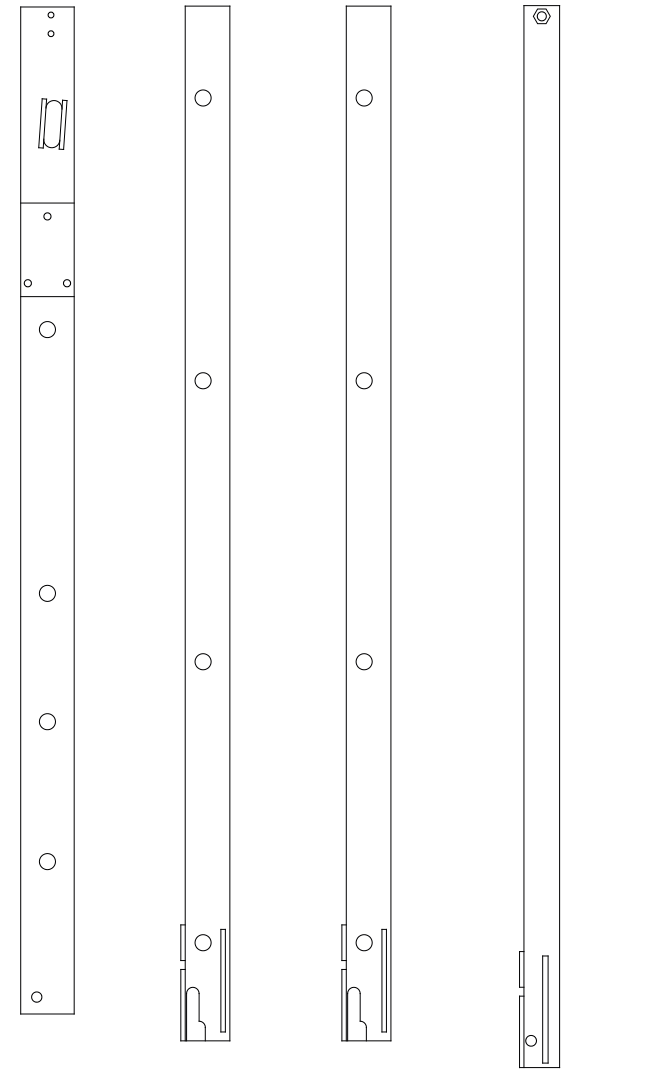
The warranty period for this lift is 2 years from the date of purchase.

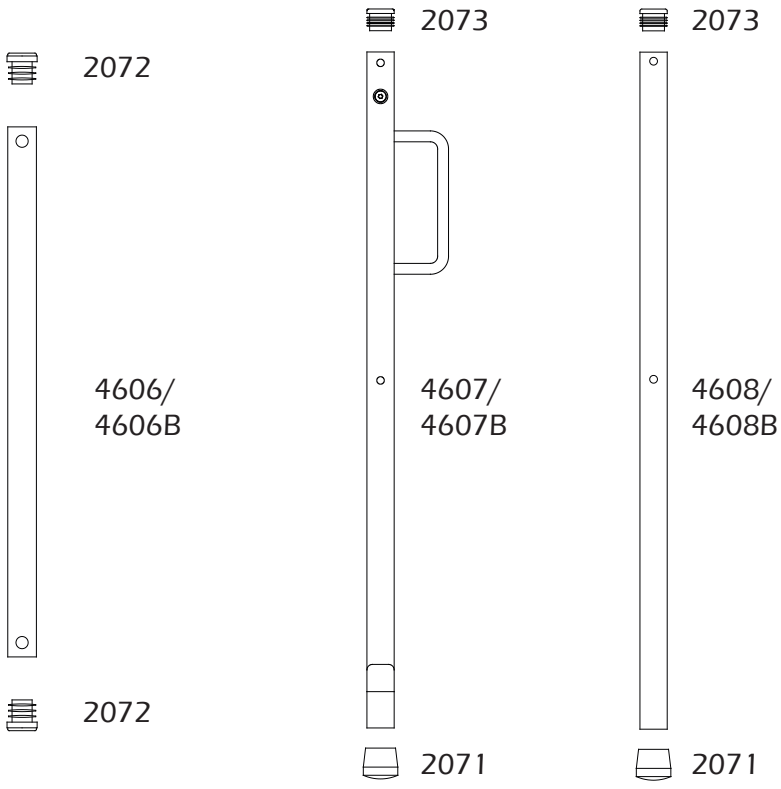
PRO LIFTS S.L. promises, that from the date of purchase and during the warranty period to resolve any faults that may occur, produced through defect material or fabrication. Damage caused by improper use, product modification, third party manipulation or accidental fire are not covered by this warranty.

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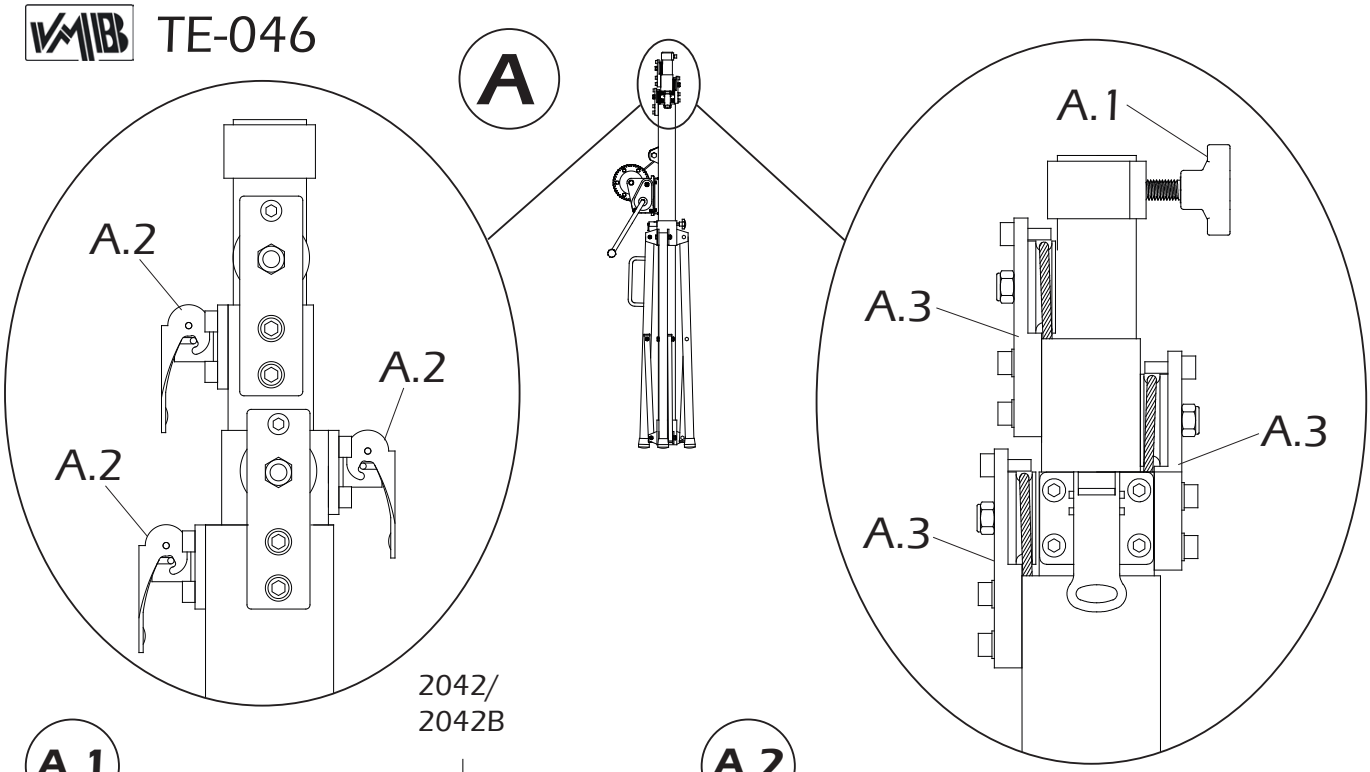
TE-046

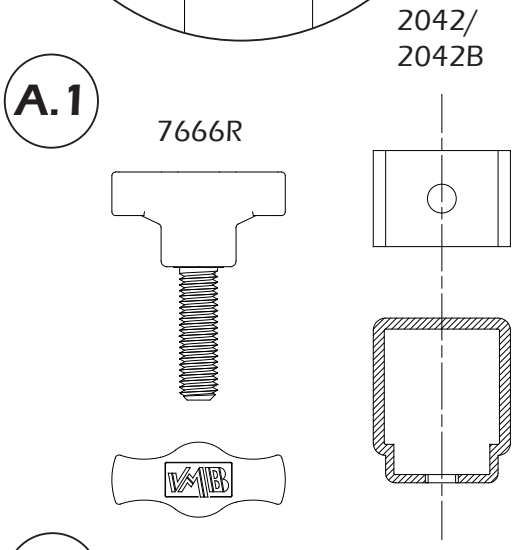


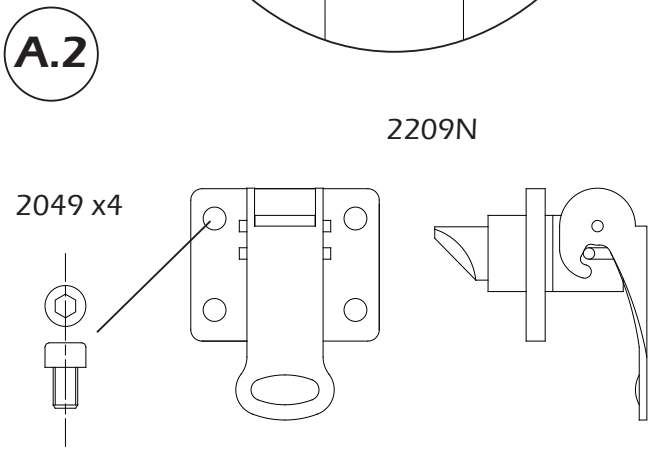


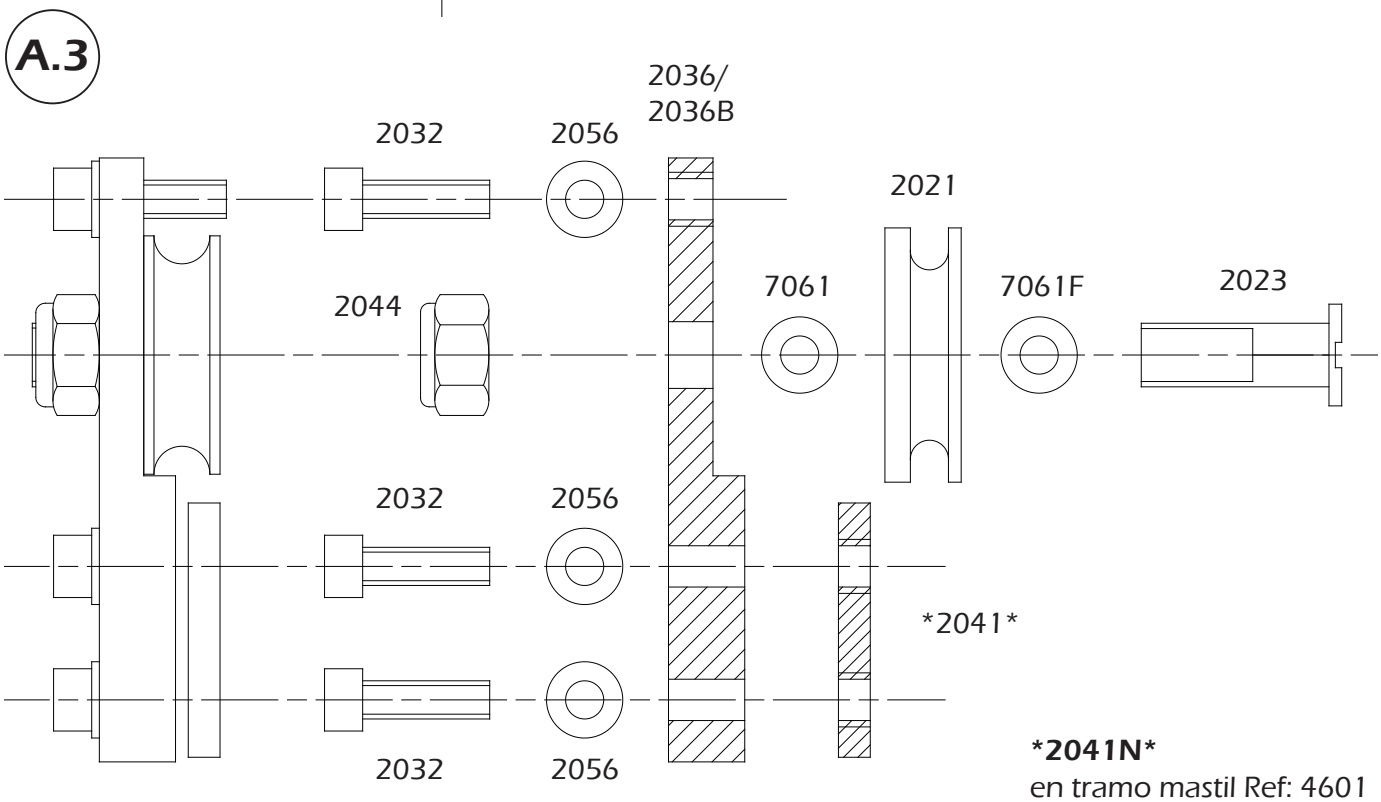


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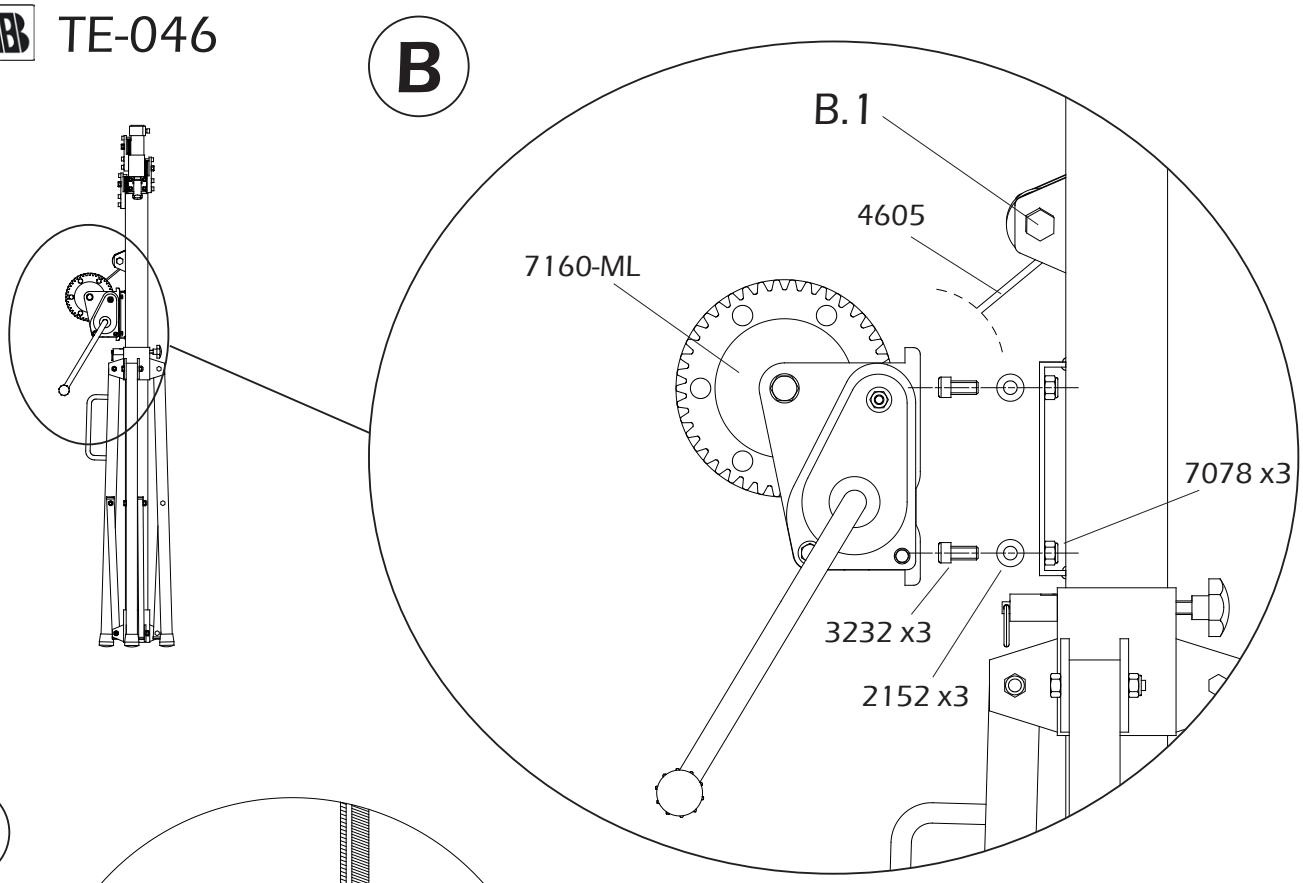


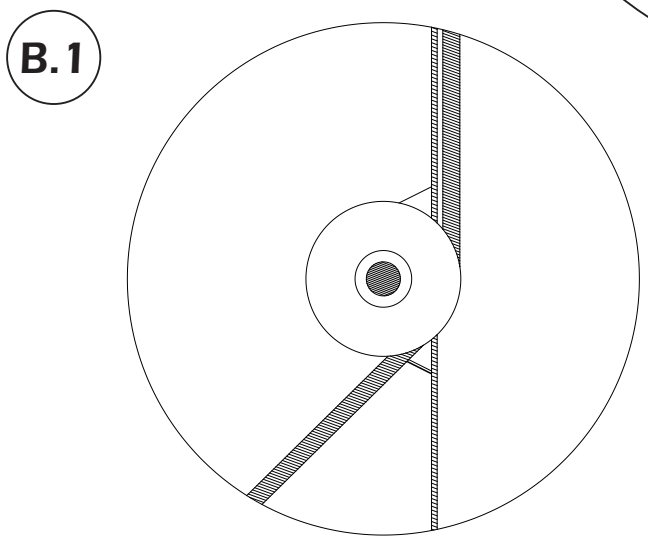


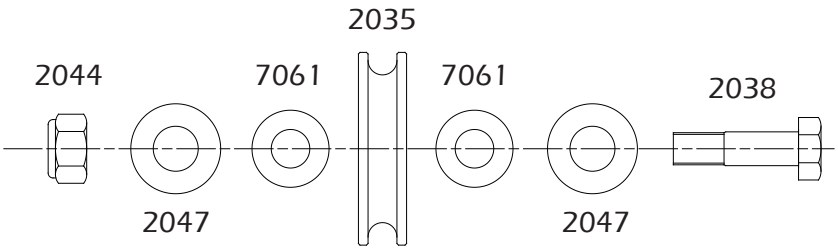


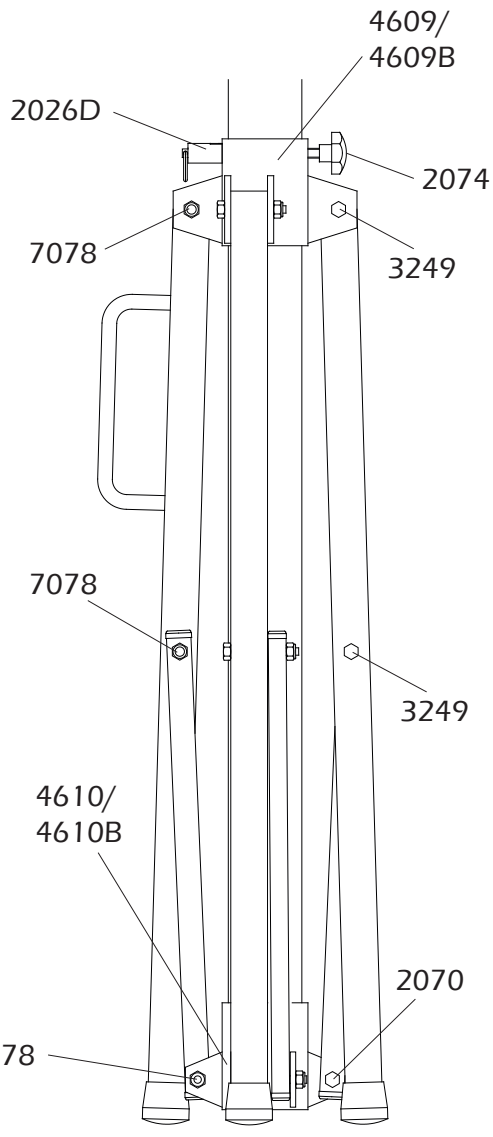
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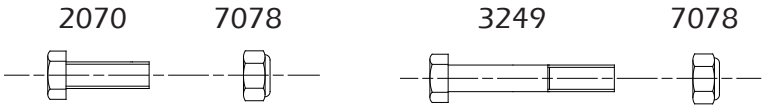
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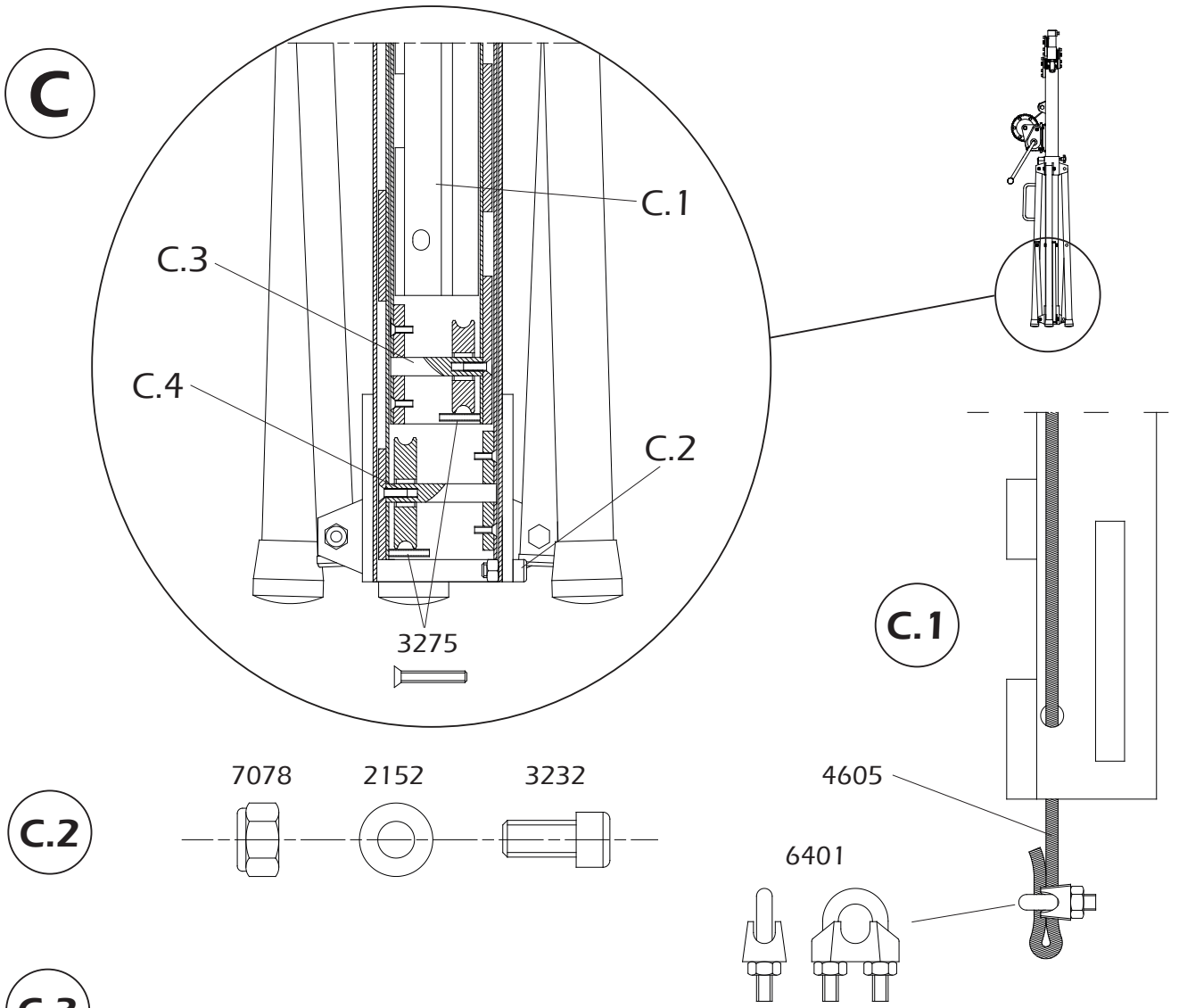








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SPARE PARTS LIST / LISTA DE REPUESTOS TE-046

Code	*Description GB / USA*	*Descripción ES*
2021	Ø 40 Steel pulley	Roldana de acero Ø 40
2022	Ø 50 Steel pulley	Roldana de acero Ø 50
2023	M10 Special screw	Tornillo especial M10
2024N	Steel axe Ø10x52	Eje de acero Ø10x52
2025N	Three holes steel plate	Pletina de acero de 3 taladros
2026D	Special hexagonal lock	Gatillo hexagonal especial
2032	M6 Screw	Tornillo M6
2035	Ø 40 Steel pulley	Roldana de acero Ø 40
2036B	Steel plate (B Black)	Pletina de acero (B Negro)
2038	M10 Screw	Tornillo M10
2041	Steel plate 40x6mm	Pletina de acero 40x6mm
2041N	Steel plate 40x5mm	Pletina de acero 40x5mm
2042B	Steel bracket (B Black)	Abrazadera de acero (B Negro)
2044	M10 Autoblock nut	Tuerca autoblocante M10
2047	M12 Washer	Arandela M12
2049	M6 Screw	Tornillo M6
2056	M6 Washer	Arandela M6
2070	M8 Screw	Tornillo tirante M8
2071	Plastic leg cap; ground	Tapón de plástico suelo pata
2072	Plastic strap cap	Tapón de plástico tirante
2073	Plastic cap top of the leg	Tapón de plástico superior pata
2074	Nylon screw Knob	Pomo con rosca de nylon
2152	M8 Washer	Arandela M8
2209N	ALS Lock	Gatillo ALS
2424	M5x12 DIN 7991 Conic screw	Tornillo cónico DIN 7991 M5x12
2425	Steel axe Ø10x62	Eje de acero Ø10x62
2426	Steel pulley Ø60	Polea de acero Ø60

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Code	*Description GB / USA*	*Descripción ES*
3232	M8 Allen screw	Tornillo allen M8
3249	M8 Screw	Tornillo M8
3275	M5x30 Conic screw	Tornillo cónico M5x30
4601B	TE-046 Profile 1 Base (B Black)	Tramo 1 Base TE-046 (B Negro)
4602NB	TE-046 Profile 2 (B Black)	Tramo 2 TE-046 (B Negro)
4603NB	TE-046 Profile 3 (B Black)	Tramo 3 TE-046 (B Negro)
4604B	TE-046 Profile 4 (B Black)	Tramo 4 TE-046 (B Negro)
4605	TE-046 Steel cable	Cable de acero TE-046
4606B	Leg support (B Black)	Tirante patas (B Negro)
4607B	Leg with handle (B Black)	Pata con asa (B Negro)
4608B	Leg without handle (B Black)	Pata sin asa (B Negro)
4609B	Upper leg support (B Black)	Soporte deslizante patas (B Negro)
4610B	Lower leg support (B Black)	Soporte tirante (B Negro)
6401	Cable end lock	Prisionero fin de cable
7061	M10 Washer	Arandela M10
7061F	M10 Flat washer	Arandela M10 fina
7078	M8 Autoblock nut	Tuerca autoblocante M8
7160-ML	450kg Winch (long crank)	Cabrestrante 450kg manivela larga
7666R	M10x35 VMB red knob	Pomo rojo VMB M10x35

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DEKRA

Test report about an acceptance inspection

TYPE OF EQUIPMENT: Lift for Truss-Systems

TYPE DESIGNATION: TE-046B

PRODUCER:
Prolifts S. L.
Pol. Ind. Picassent
Calle 7
E-46220 Picassent
VALENCIA

TECHNICAL INFORMATION:

maximum load:	150 Kg
maximum height:	4,60 m
Year of manufacture:	2014
item number by the manufacturer:	067552

TEST DOCUMENTS: BetrSichV, BGV C1, BGG 912

TEST RESULTS: The testing on orderly compilation, equipment and Operational readiness appropriate BGG 912 did not reveal any faults.

ADVICE: This certificate is valid only in combination with the user manual.
Appropriate BGG 912 you should testing the Lift by an authorized expert before bringing it into service for the firsttime.

v. d. BG ermächt. Sachverständiger Dipl. Ing. K. Haak
DEKRA
02-048-B2 B4

Berlin, 06.11.2014

Dipl.-Ing. Konrad Haak
Authorized expert

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Canal VMBLifts

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Para más información consulte con nuestros técnicos en:

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