ES EN DE

CE

DEKRA CERTIFICATION BGV C1



TE-034

TORRE ELEVADORA
TOWERLIFT
TRAVERSENLIFT

MANUAL DE INSTRUCCIONES
OPERATING INSTRUCTIONS USER MANUAL
BEDIENUNGSANLEITUNG

PROLIFTS S.L.

V.09.19

LIFTING TOWER TE-034

TORRE ELEVADORA TE-034

CE

CERTIFICATIONS / CERTIFICACIONES

BGV-C1

BGG-912

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

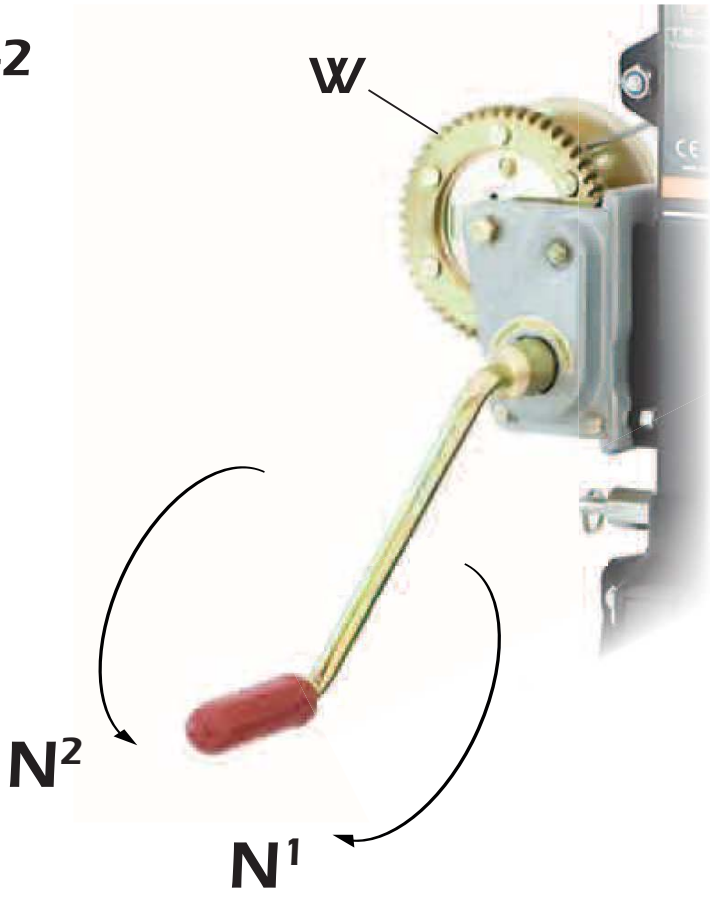
PRO LIFTS S.L.
C/ Ciudad de Barcelona Nº19
Pol.Ind. Fuente del Jarro
46988 Paterna (Valencia)
Tlf Export: +34 96 171 81 86
Tlf Nacional: 96 171 81 83
info@prolifts.es - www.prolifts.es

Este manual de usuario y catálogo anexo de piezas de repuesto es propiedad de PRO LIFTS S.L.
Queda prohibida su reproducción total o parcial por cualquier medio que la tecnología actual permita.
Deposito legal y copyright 2014. Todos los derechos reservados.

RECYCLABLE

TE-034







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

Depósito legal y copyright . Todos los derechos reservados.

CONTENTS

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-034 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-034 Towerlift.

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

2.3 - Maximum load : 125 Kg (275 lb).

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

2.5 - Maximum height : 3.8 m (12.5').

2.6 - Folded height : 1.27 m (4.1').

2.7 - Transport surface: 0.27x0.36x1.27m (0.89'x1.18'x4.17').

2.8 - Shipping dimension: 0.30x0.20x1.28m (0.98'x0.66'x4.20'). (Handle removed)

2.9 - Maximum working surface: 1.12 x 1.12 m (3.67' x 3.67').

2.10 - Unit weight : 21 Kg (47 lb).

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

2.12 - Construction material : Steel profiles DIN 2394.

2.13 - Three 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.

Depósito legal y copyright . Todos los derechos reservados.

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.

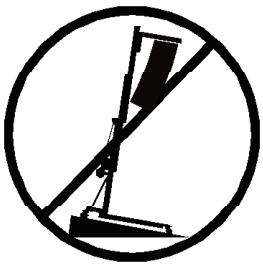
2.19 - Antirust protection, primed paint with cured polyester dust cover. The tower can be supplied with zinc silver finish or black (version B).

2.20 - Extension bar (**EX-034B**) included, attached to the leg by a magnet.

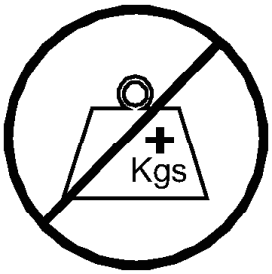
3. SAFETY PRECAUTIONS.



3.1 - The TE-034 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.

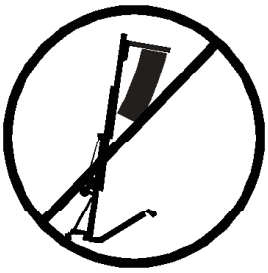


3.3 - The maximum load indicated on the characteristics label and the instructions manual should not be exceeded.



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.

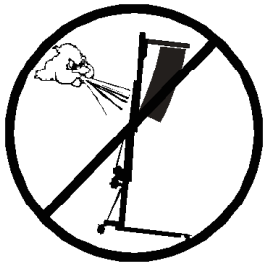
Depósito legal y copyright . Todos los derechos reservados.



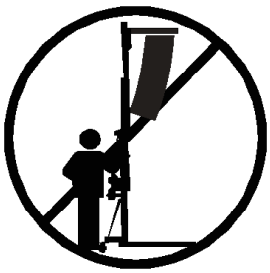
3.5 - Verify that the tower is in a vertical position and check that the support system (**SA**) is fixed by the safety catch pawl (**R**) and the retainer knob (**K**).



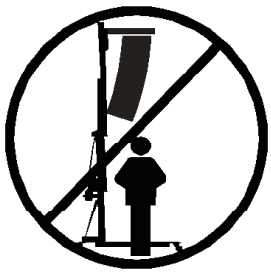
3.6 - NEVER use the lift on a vehicle or any other mobile surface.



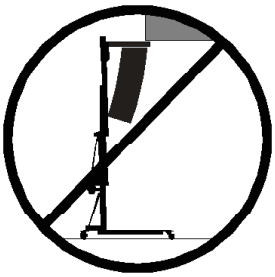
3.7 - If there is a possibility of strong winds or gusts, place the lift on the ground firmly and secure it with the use of straps. NEVER attach a strap to a vehicle or any other object that can possibly be moved.



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.

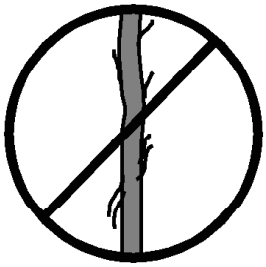


3.10 - Take care with all obstacles above the lift and its extension zone such as cornices, balconies, and luminous signboards. It is very important to avoid the presence of all types of cables below the extended lift.

Depósito legal y copyright . Todos los derechos reservados.



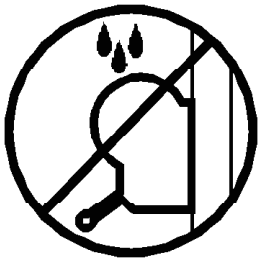
3.11 - Do not use stepladders on the lift or use it as a support for them.



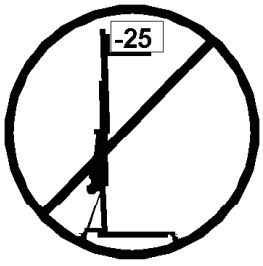
3.12 - Before using the lift, check the condition of the cable. The cable should not have broken threads or show any signs of crushed/flattened areas. NEVER use faulty cables, always change them if there is any doubt. Only use VMB steel cables; reference: DIN 3060. Quality: 180KG/mm and torsion resistant.



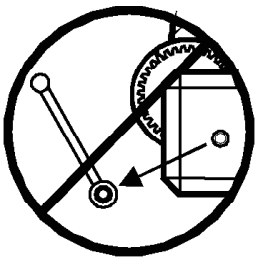
3.13 - All sections must be lowered first, and the support system (**SA**) must be locked with the catch pawl (**R**), before transportation.



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.

Depósito legal y copyright . Todos los derechos reservados.

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. Remove the extensible bar (**EX-034B**) from the leg.

4.2 - Firstly, untighten the red knob (**B**) of the bracket and put the extension bar (**EX-034B**) in it, tighten the red knob (**B**) again to fix the bar. Then remove the safety position blocking lock (**R**) of the leg support system (**SA**) and untighten the retainer knob (**K**). Lower the support system (**SA**) until you can fix the bloking lock (**R**) in the required position, then tighten the black knob (**K**).

4.3 - THE MAXIMUM LOAD IS 125 Kg (275 lb). The lift should NEVER be overloaded (over 125 Kg). Safety at work is the most important issue. Untighten the screw of the EX-034B 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-034 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

Depósito legal y copyright . Todos los derechos reservados.

impossible that two or more people coordinate the winches elevating or lowering the loads, at exactly the same pace. At a 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, then untighten the screw (**B**) of the bracket and remove the extension bar (**EX-034**). 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**). Attach the extension bar to the leg with the magnet.

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.

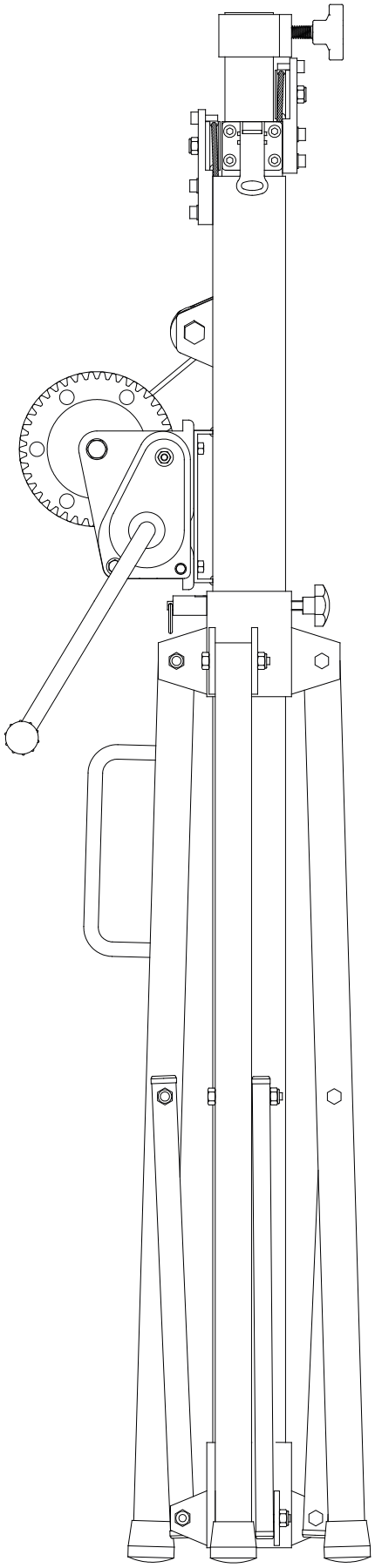
6. GUARANTEE.

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.

Depósito legal y copyright . Todos los derechos reservados.

TE-034





EX-034/
EX-034B

2091/
2091B



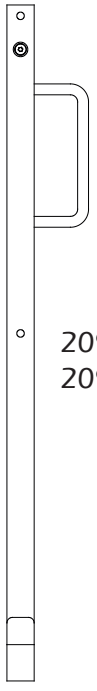
2092N/
2092NB



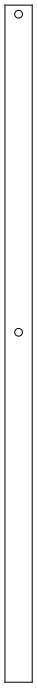
2093/
2093B



2073



2073



2072



Magnet / Imán:
2077

2068/
2068B

2094/
2094B

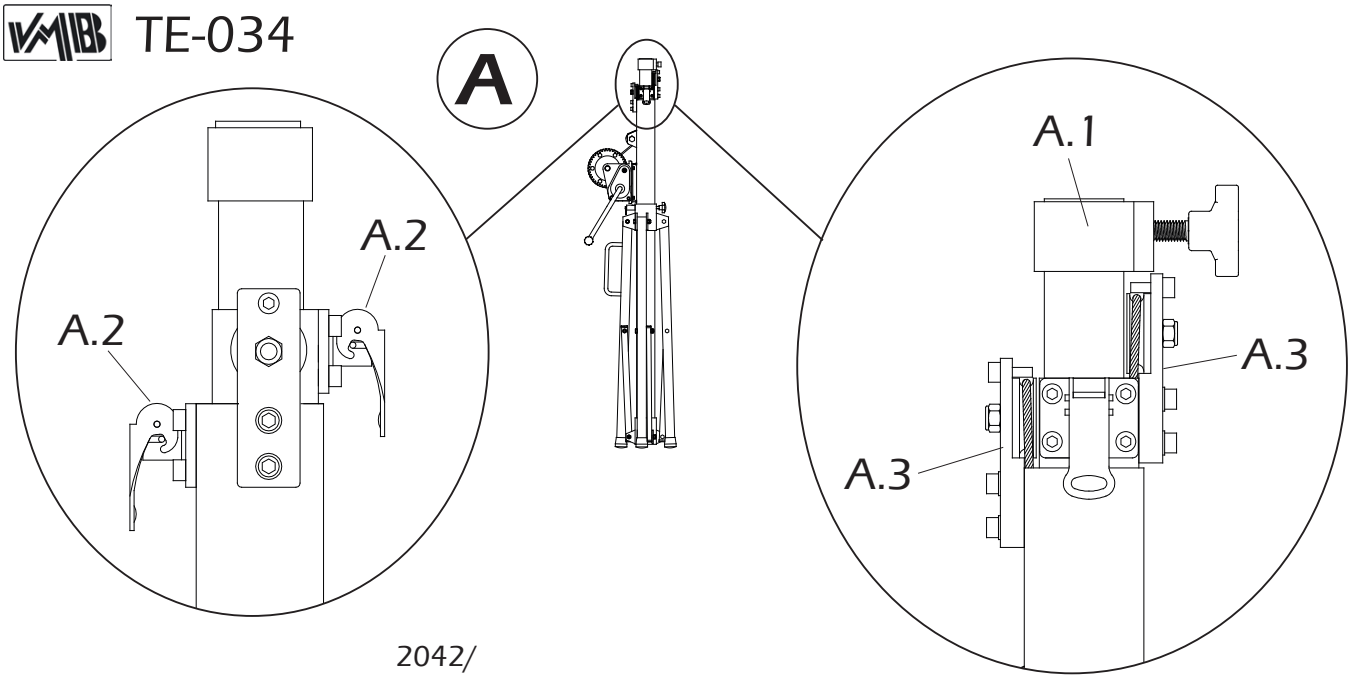
2067/
2067B

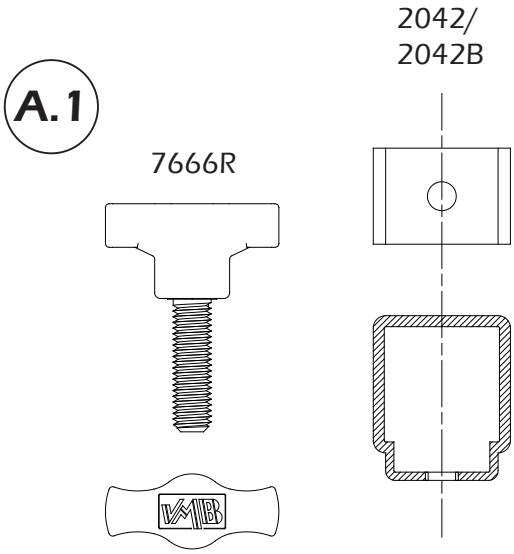
2072

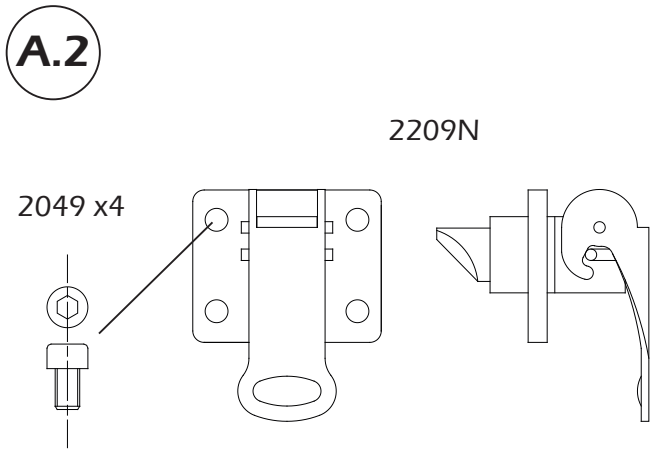
2071

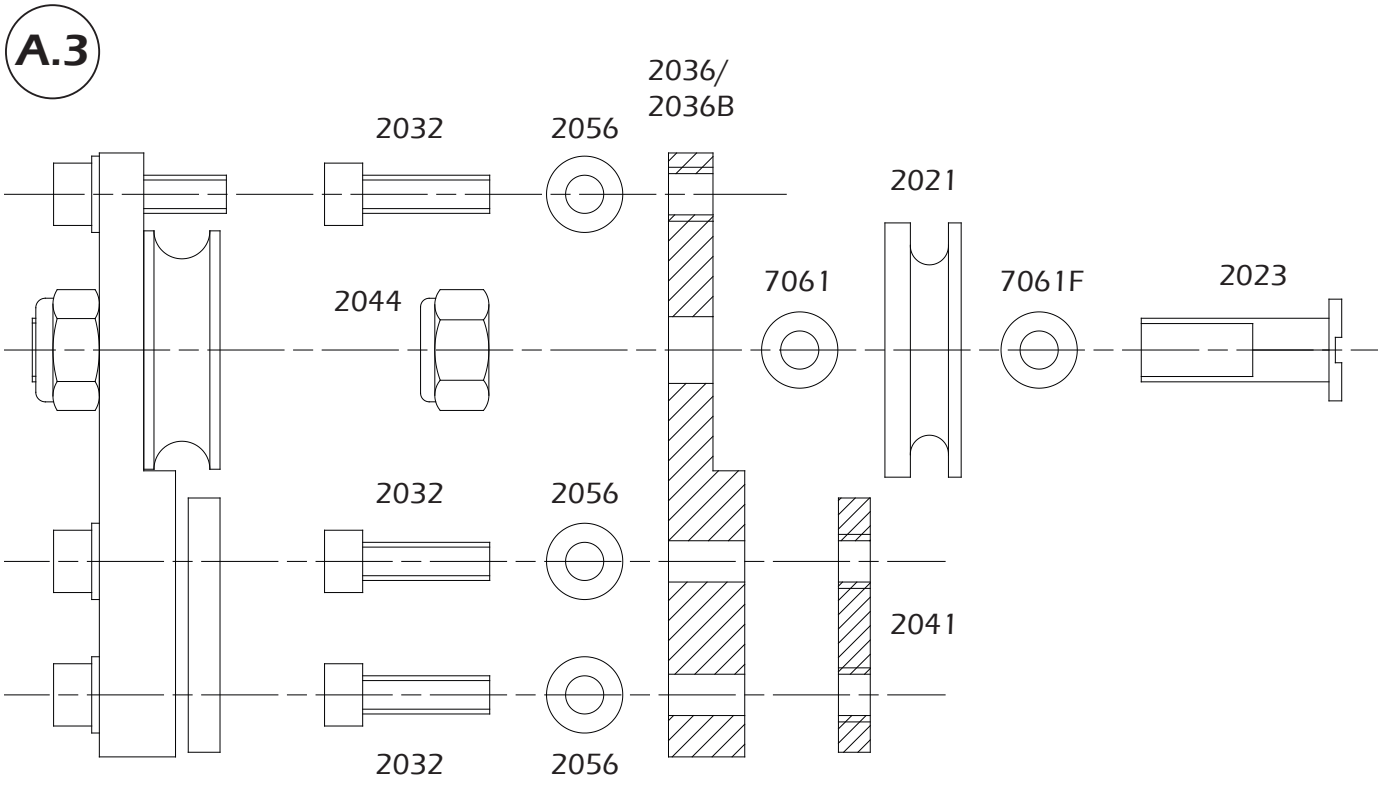
2071

Depósito legal y copyright . Todos los derechos reservados.

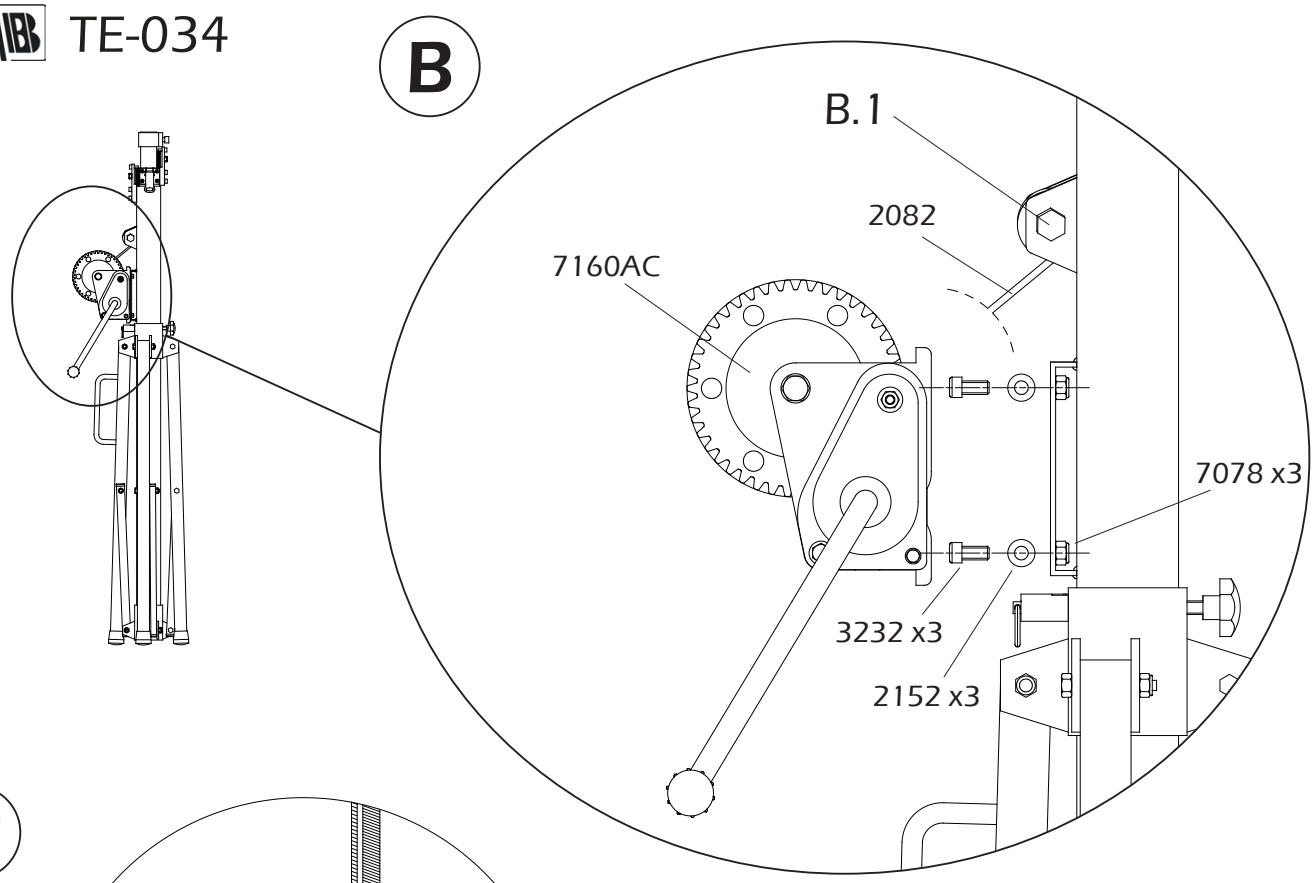


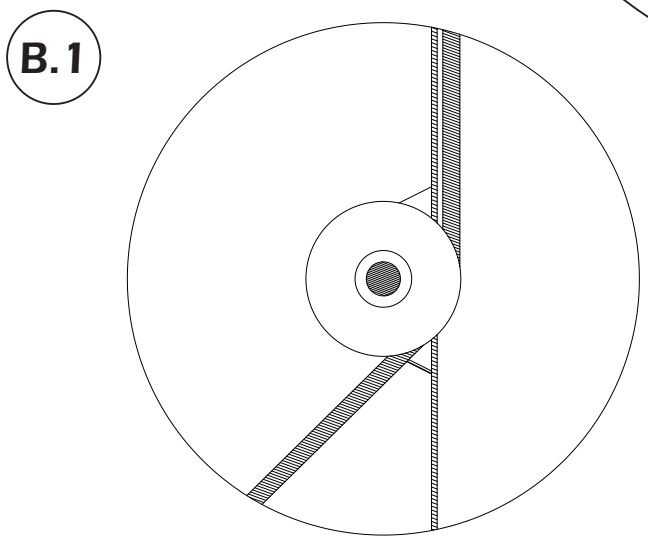


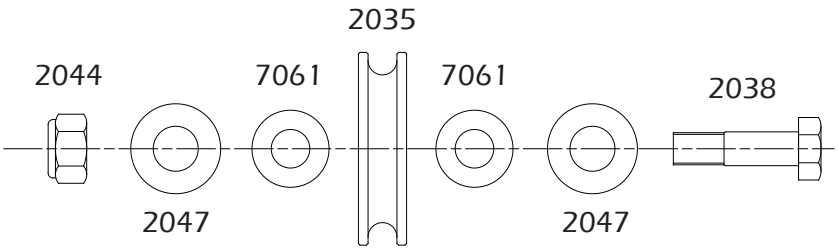


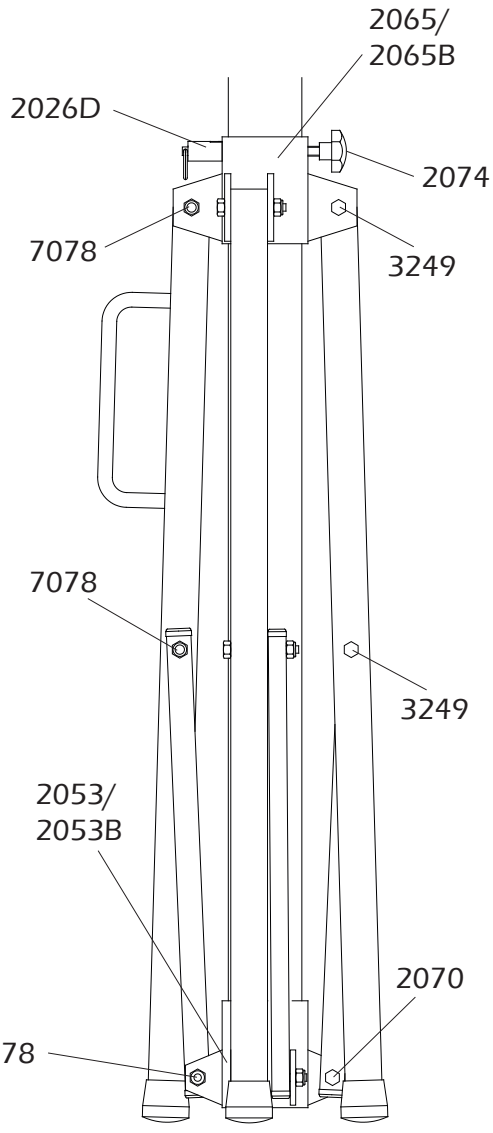


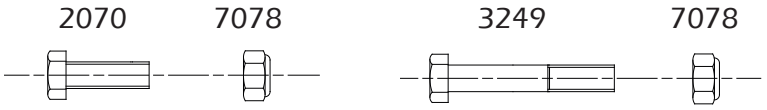
Depósito legal y copyright . Todos los derechos reservados.



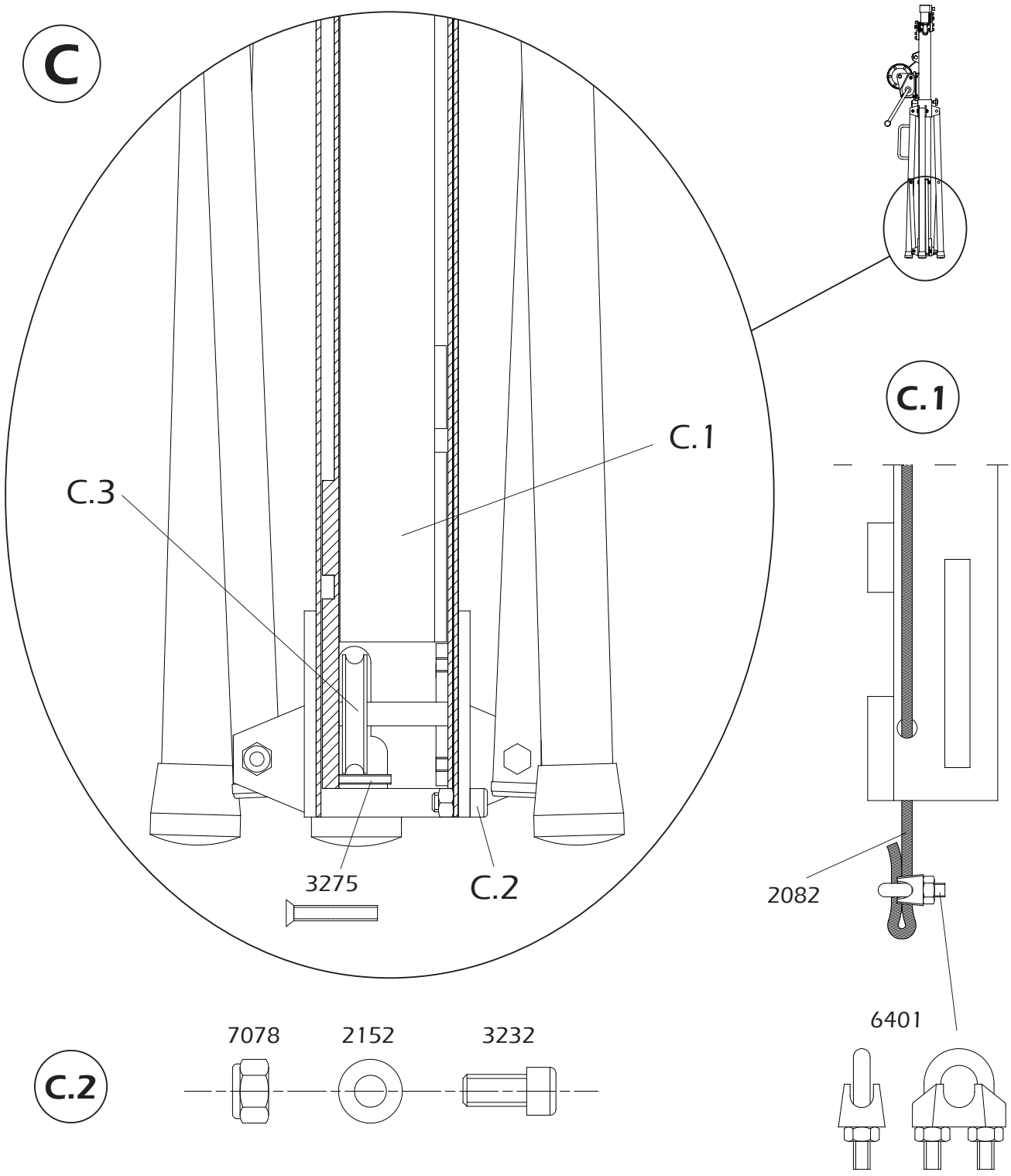








Depósito legal y copyright . Todos los derechos reservados.



Depósito legal y copyright . Todos los derechos reservados.

SPARE PARTS LIST / LISTA DE REPUESTOS TE-034

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	Steel plate	Pletina de acero eje
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	Pletina de acero
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
2053B	Lower leg support (B Black)	Soporte tirante (B Negro)
2056	M6 Washer	Arandela M6
2065B	Upper leg support (B Black)	Soporte deslizante patas (B Negro)
2067B	Leg without handle (B Black)	Pata sin asa (B Negro)
2068B	Leg support (B Black)	Tirante patas (B Negro)
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
2077	Ø12 Magnet	Imán Ø12
2082	TE-034 Steel cable	Cable de acero TE-034

Depósito legal y copyright . Todos los derechos reservados.

Code	*Description GB / USA*	*Descripción ES*
2091B	TE-034 Profile 1 Base (B Black)	Tramo 1 Base TE-034 (B Negro)
2092NB	TE-034 Profile 2 (B Black)	Tramo 2 TE-034 (B Negro)
2093B	TE-034 Profile 3 (B Black)	Tramo 3 TE-034 (B Negro)
2094B	Leg with handle (B Black)	Pata con asa (B Negro)
2152	M8 Washer	Arandela M8
2209N	ALS Lock	Gatillo ALS
2424	M5x12 Screw DIN 7991	Tornillo DIN 7991 M5x12
3232	M8 Allen screw	Tornillo allen M8
3249	M8 Screw	Tornillo M8
3275	M5x30 Conic screw	Tornillo cónico M5x30
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
7160AC	450 Kg Winch	Cabestrante 450 Kg
7666R	M10x35 VMB red knob	Pomo rojo VMB M10x35
EX-034	Extension bar TE-034	Barra de extensión TE-034

Depósito legal y copyright . Todos los derechos reservados.

DEKRA

Test report about an acceptance inspection

Device typ:	Towerlift	
Typ:	TE-034	
Fabrikator:	Prolifts S. L. Pol. Ind. Picassent Calle 7 E-46220 Picassent VALENZIA	
Technical specifications:	charge maximum:	125kg
	Charge minimum:	25 kg
	minimum high:	1,26 m
	maximum high:	3,80 m
	Serial Number :	059031
	Year of manufacture :	2009
Foundation :	BGV C1, BGG 912	
Test result:	The accomplishment of the towerlift complies the safty-related receivables of the BGV-C1.	
Clue: deliver.	At each towerlift is an EG-declaration of conformity to	
	Bevor the towerlift is commissioning at first is an optical control from an assessor after BGG 912 necessary.	



Berlin, 16.06.2010

Dipl.-Ing. Konrad Haak

Depósito legal y copyright . Todos los derechos reservados.

facebook / vmblifts

Canal VMBLifts

For further information follow the advise of our technicians:
Para más información consulte con nuestros técnicos en:

PRO LIFTS S.L.

C/ Ciudad de Barcelona Nº19
Pol. Ind. Fuente del Jarro
46988 Paterna (Valencia) Spain
Tlf Export: +34 96 171 81 86
Tlf Nacional: 96 171 81 83

email: **info@prolifts.es** web: **www.prolifts.es**