



# EUOTRUS

L I F T E R S

## TL-053

Telescopic lifter

Top Load Series  
125 kg  
5,35 m



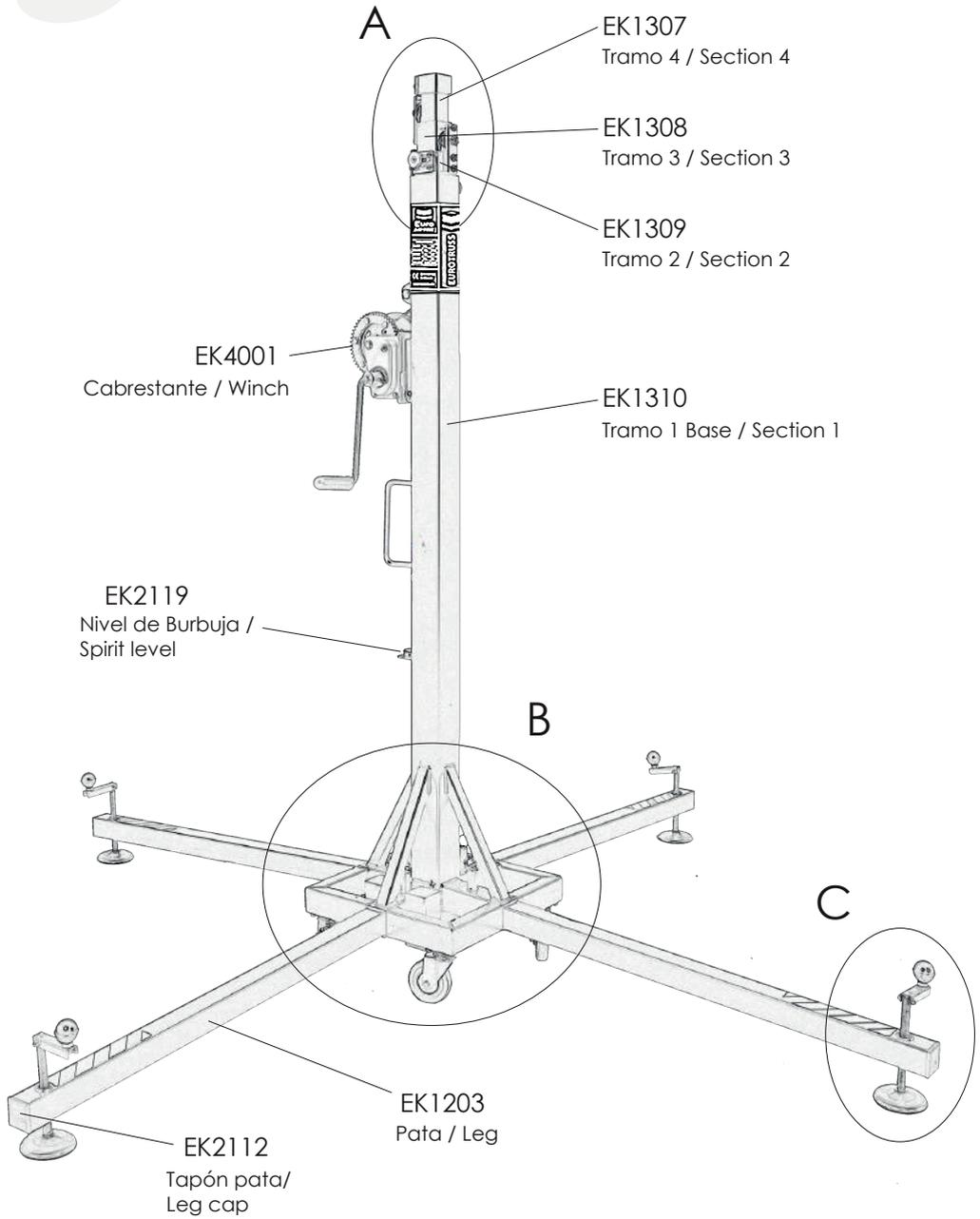
English - User manual  
Deutsch - Bedienungsanleitung  
Español - Manual de Usuario



# TL-053

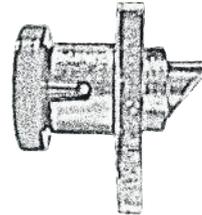
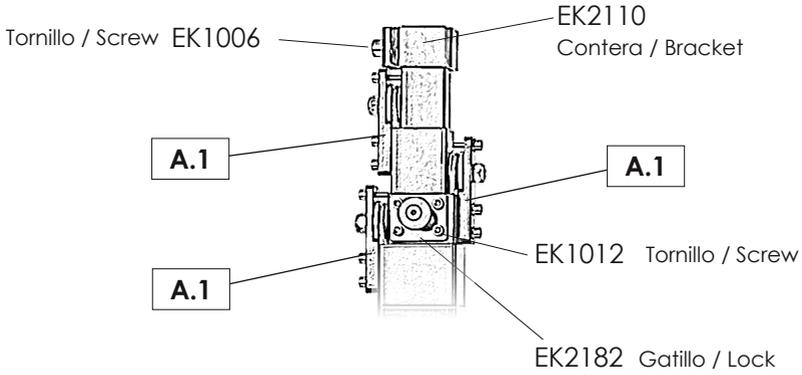
**125 kg (275.6lb)**  
**5.35 m (17.55')**

# TL-053

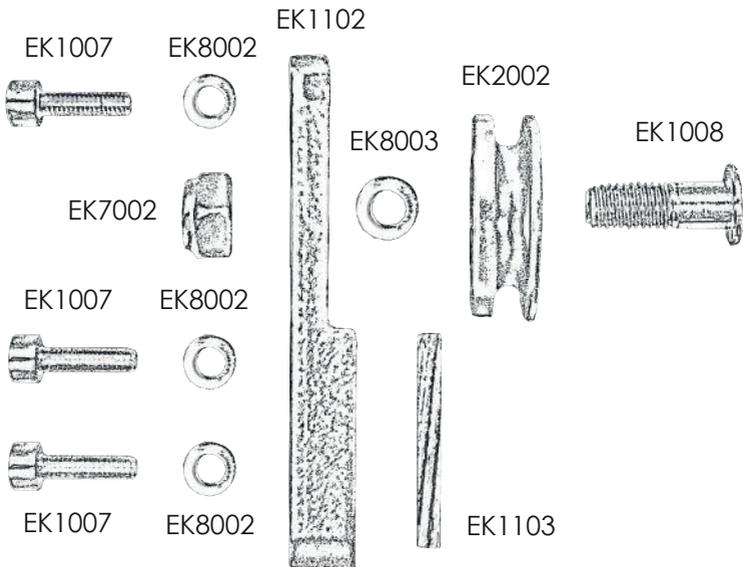


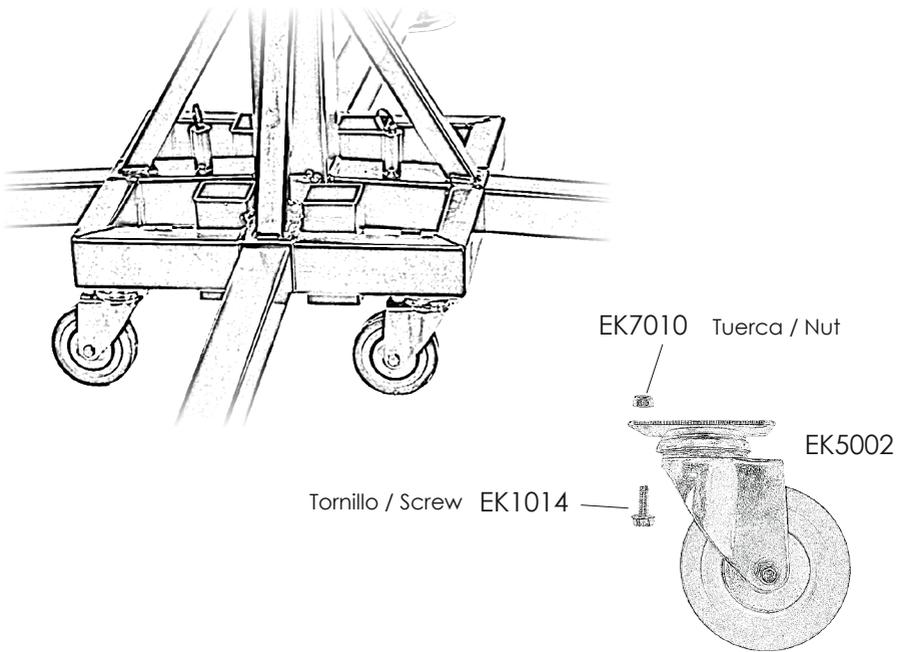
# TL-053

## A

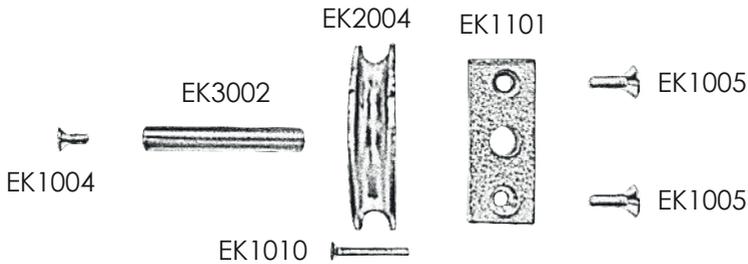


### Despiece / Breakdown A.1

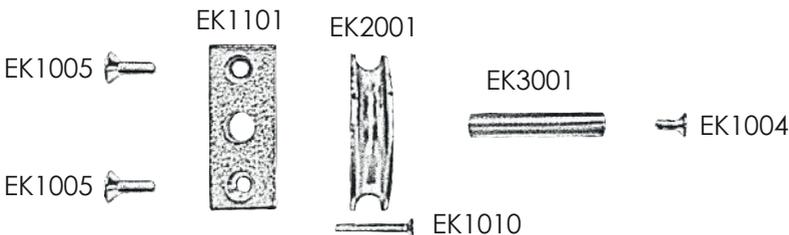




**B.2 - Reenvío inferior Tramo 2 (Ref.EK1309) / Lower pulleys set Section 2**



**B.3 - Reenvío inferior Tramo 3 (Ref.EK1308) / Lower pulleys set Section 3**

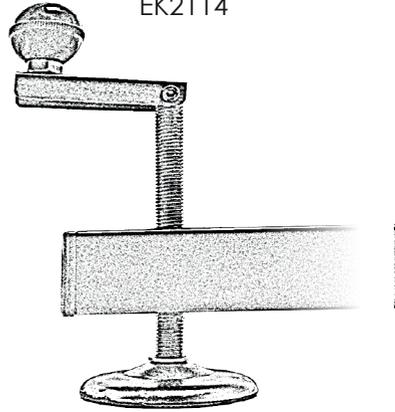
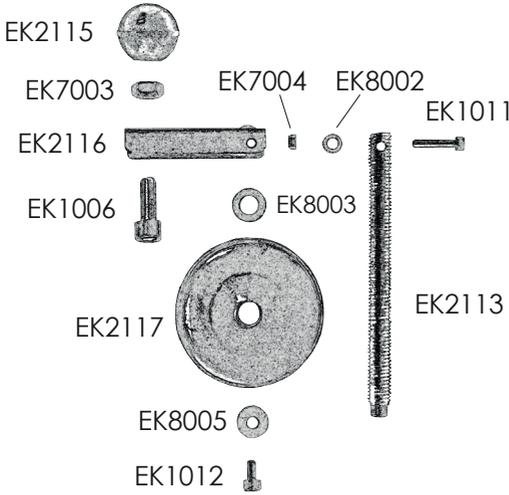


# TL-053

## C

Estabilizador completo /  
Complete stabilizer kit

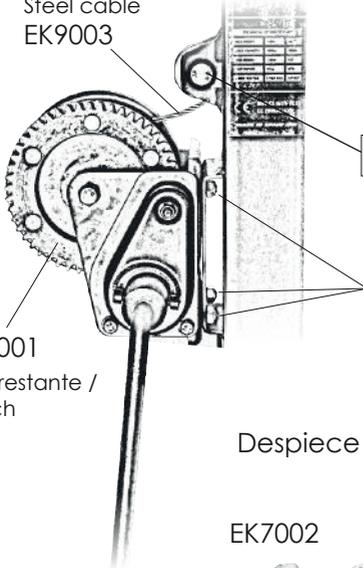
EK2114



## D

Cable acero /  
Steel cable  
EK9003

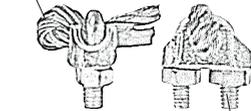
EK9003  
Cable acero /  
Steel cable



D.1

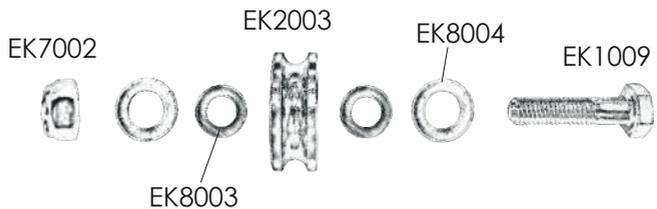
EK4001  
Cabrestante /  
Winch

EK1003 Tornillo / Screw  
EK8001 Arandela / Washer  
EK7001 Tuerca / Nut



EK2111  
Prisionero cable /  
Cable clamp

Despiece / Breakdown D.1



<b>Code / Código</b>	<b>Description / Descripción</b>
EK1003	Allen screw M8x16 / Tornillo allen M8x16
EK1004	Conic screw M5x12 / Tornillo cónico M5x12
EK1005	Conic screw M6x16 / Tornillo cónico M6x16
EK1006	Allen screw M10x25/ Tornillo allen M10x25
EK1007	Allen screw M6x20 / Tornillo allen M6x20
EK1008	Special M10 screw / Tornillo especial M10
EK1009	Hexagonal screw M10x40 / Tornillo hexagonal M10x40
EK1010	Conic screw M4x35 / Tornillo cónico M4x35
EK1011	Allen screw M5x25 / Tornillo allen M5x25
EK1012	Allen screw M6x10 / Tornillo allen M6x10
EK1014	Hexagonal taptite screw / Tornillo taptite hexagonal
EK1101	Ø10 axel plate / Pletina eje Ø10
EK1102	Pletina portapolea / Pulley support plate
EK1103	Threaded plate pulley support / Pletina roscada portapoleas TL-053
EK1203	Leg profile / Perfil pata
EK1307	Section 4 TL-053 / Tramo 4 TL-053
EK1308	Section 3 TL-053 / Tramo 3 TL-053
EK1309	Section 2 TL-053 / Tramo 2 TL-053
EK1310	Section 1 (Base) TL-053 / Tramo 1 (Base) TL-053
EK2001	Ø 50 Pulley / Polea Ø 50
EK2002	Ø 40 Pulley for upper pulley system / Polea Ø40 porta-poleas superior
EK2003	Ø 40 Cable entry pulley / Polea entrada cable Ø 40
EK2004	Ø 60 pulley / Polea Ø 60
EK2110	Bracket / Contrera
EK2111	Ø4 Cable clamp / Prisionero cable Ø4
EK2112	TL-053 leg tap / Tapón pata TL-053
EK2113	M14 threaded stabilizer / Esparrago M14 estabilizador
EK2114	Complete stabilizer / Estabilizador completo
EK2115	Stabilizer ball / Bola del estabilizador
EK2116	Stabilizer handle / Manivela estabilizador
EK2117	Stabilizer plate Ø 80 / Plato estabilizador Ø 80
EK2119	Spirit level indicator / Nivel de burbuja

<b>Code / Código</b>	<b>Description / Descripción</b>
EK2182	AET Lock TL-053 / Gatillo AET TL-053
EK3001	Ø10 x 50 Axel / Eje Ø10 x 50
EK3002	Ø10 x 60 Axel / Eje Ø10 x 60
EK4001	450 Kg Winch / Cabrestante 450 kg
EK5002	Wheel Ø 80 TL-053 / Rueda Ø 80 TL-053
EK7001	Auto-block nut M8 / Tuerca autoblocante M8
EK7002	Auto-block nut M8 / Tuerca autoblocante M8
EK7003	Nut M10 / Tuerca M10
EK7004	Auto-block nut M5 / Tuerca autoblocante M5
EK7005	Nut M6 / Tuerca M6
EK7010	M6 Auto-block nut / Tuerca autoblocante M6
EK8001	Flat M8 washer / Arandela plana M8
EK8002	M6 washer / Arandela M6
EK8003	Flat M10 washer / Arandela plana M10
EK8004	M12 washer / Arandela M12
EK8005	Wide M6 washer / Arandela M6 ancha
EK9003	TL-053 Cable (Ø4 mm) / Cable TL-053 (Ø4 mm)

# Operating Instructions - ENGLISH

## 1 - INTRODUCTION.

Dear user. Thank you purchasing your TL-053 Eurotruss lifter. We hope you will be very satisfied with it.

This manual has been written so that you can understand how to effectively use the lift and most importantly, so that you can use it safely. It is important that you fully read the manual and follow the instructions carefully before using your lift. All Eurotruss lifts undergo a very strict quality control process during their manufacture. So that your lift always works properly please only purchase original Eurotruss parts from an authorized distributor or dealer. The user waives all warranty rights if using parts other than Eurotruss or if the product is manipulated in any way by an unauthorized third party. When requesting parts, please refer to the diagrams in the back of this manual and quote the serial number and year of manufacture located on your lifter.

## 2.- TECHNICAL SPECIFICATIONS.

Eurotruss lifter, model TL-053 has been designed for vertically lifting lighting, trussing etc in the Professional sound and light sector. For various Eurotruss supports available please refer to our website [www.eurotruss.com](http://www.eurotruss.com) or catalogue.

2.1 - Max. load: 125 kg (275.6 lb)

2.2 - Min. load: 25 kg (55 lb)

2.3 - Max. height: 5.35 m (17.6')

2.4 - Folded. height: 1.72 m (5.6')

2.5 - Work surface: 2 x 2 m (6.56' x 6.56')

2.6 - Folded base area: 36 cm x 36 cm (1,18' x 1,18')

2.7 - Weight: 41 Kg (90.4 lb)

2.8 - Winch: 450 kg certified

2.9 - Cable: Steel DIN 3060. Tensile strength 180 kg/mm<sup>2</sup>. Anti-torsion & anti-corrosion 4 mm cable diameter.

2.10 - Construction material: Steel profiles EN 10305.

2.11 - Antirust protection priming paint bathed black steel, covered with cured polyester dust.

2.12 - Four-profile telescopic system operated by steel cable driven by pulleys with metal protected bearing pads. Adaptor Ø35 mm.

# Operating Instructions - ENGLISH

- 2.13 - Automatic Eurotruss Trigger (AET) on each section which automatically slots in to the sections during elevation, locking them in place.
- 2.14 - Anchor of the legs by safety catches.
- 2.15 - Adjustable stabilizer plates in the legs with nonslip rubber base support.
- 2.16 - Spirit level for vertical alignment.
- 2.17 - Swivel wheels for transporting the lifter to its working position.

## 3. - SAFETY GUIDELINE.

- 3.1.- Situate the tower on a solid and flat surface.
- 3.2.- Check that the legs are fully inserted and secured in to their housing with the safety locks.
- 3.3.- Ensure that the lifter is in a vertical position and use the spirit level located on the base profile to check. If necessary, adjust its alignment with the plates by turning the handle in the appropriate direction.
- 3.4.- Check that the tower is locked in its working position with the safety lock.
- 3.5.- When used outdoors, place the tower on a hard surface and if necessary secure it against excess wind force via cable braces.
- 3.6.- Do not use ladders nor lean them against the lifter.
- 3.7.- Be careful with any cables, prominent objects etc. placed above the tower.
- 3.8.- Do not stand underneath the load.
- 3.9.- Do not move the tower when it is elevated or loaded.
- 3.10.- Before using the tower, check the condition of the cable. This must be free of cuts and frays. Never use damaged cables.
- 3.11.- Never dismount the winch handle or any element of the winch under any circumstance.
- 3.12.- Once the tower is set-up in its working position we recommended the winch handle is locked to avoid anyone interfering with it.
- 3.13.- The minimum load for a safe operation of the brake is 25 kg. The brake will not function without this minimum load.
- 3.14.- Do not grease or lubricate the brake mechanism of the winch.
- 3.15.- This lift cannot lift human beings.
- 3.16.- For transportation it is necessary to retract all profiles and lock them with the corresponding safety lock.

# Operating Instructions - ENGLISH

## 4. - OPERATION.

4.1.- Place the tower on a flat and solid surface where it is going to be used.

4.2.- Remove the legs from their support brackets and insert them in their working position. Check that they are fully inserted and fixed with the safety lock.

4.3.- Ensure that the lifter is in a vertical position and use the spirit level located on the base profile to check the bubble is centred. If necessary, adjust its alignment with the stabiliser plates by turning the handle in the appropriate direction.

4.4.- Attach the load to the tower using the desired support (the support varies upon the application), and ensure it is only used to lift loads vertically. The minimum load is 25 kg.

**4.5.- Elevation:** Extend the tower by turning the winch handle clockwise, lifting the load to the desired height.

**4.6.- Hold:** Release the winch handle, it will remain in position by the action of the winch's automatic brake. Ensure the AET lock has introduced in to the profile by turning the handle slightly anti-clockwise.

**4.7.- Continue elevating:** Turn the winch handle again clockwise and lift the load until the next profile is fully extended. Release the handle which will remain fixed by the winch's automatic brake and ensure again the AET lock has introduced into the second profile by turning the handle again anti-clockwise. The tower can be stopped in any desired intermediate position. Simply release the winch handle and secure the tower by inserting the corresponding AET lock into the hole which is closest to the required position.

**4.8.- Descent:** Firstly unlock the safety lock and turn the winch handle anti-clockwise until the intermediate profile is completely folded down. Now unlock the next AET lock and retract the following profile. Just as when lifting the load, the lift may be stopped at any intermediate position.

**4.9.- Transport:** Four swivel wheels are located at the base for transporting the lifter. Before transport it is necessary to fold down the tower by retracting its profiles completely. Dismount the legs by releasing the safety locks and place them back in their transport compartments.

## 5.- MAINTENANCE.

5.1.- All cables must be checked regularly. Faulty cables must be replaced immediately. Do not use the lifter with faulty cables as it is potentially very dangerous. Only use DIN 3060 cables, supplied from an authorised dealer.

# Operating Instructions - ENGLISH

5.2.- The lifter is delivered ex factory completely greased. Depending on its mechanical Use though, we recommend that the crown wheel of the winch, the pads & bushings of the drive shaft, the handle thread and the profiles of the lift are periodically greased.

## **ATTENTION:**

Do not apply oil or grease to the brake mechanism. The brake discs have been pre-greased with a special heat and pressure resistant grease. To avoid malfunction to the winch brake, no other products must be used except the original provided by the company. It is not necessary to grease the brake discs.

5.3.- Your lifter should be inspected at least once a year by a specialized / authorized service centre.

5.4.- Only original Eurotruss spare parts must be used to guarantee the reliability and operational safety of your lifter. The user shall lose all warranty claims if he uses anything other than original spare parts or modifies this product in any way.

5.5.- In case a spare part is required please indicate the reference number which can be found in the spare parts list at the back of this manual.

## **6.- WARRANTY.**

All Eurotruss lifts come with 2 years warranty. This warranty period is from the date of purchase. Eurotruss will repair any defect product caused by either faulty materials or poor workmanship free of charge within this period as long as the parts are fitted by an authorized Eurotruss dealer. Should the product have been manipulated in any way or a repair attempted by an unauthorized dealer the warranty will be invalid. This warranty does not cover damage occurred by improper use.

## **7.- CERTIFICATIONS**

BGV-C1

BGG-912

EC Conformity Declaration pursuant to the

EC Machinery Directives 89/392/CE and

98/37/CE: Manual lifters

Eurotruss reserves the right to make any modification/alteration to the lift without prior notice. Any modification/alteration would be an innovation, intended to improve the product.



# EUROTRUSS

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