EUROTRUSS
LIFTERS

FL-080
Front load lifter

Front Loader Series
300 kg / 8,0 m

CE

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

EUROTRUSS

CE

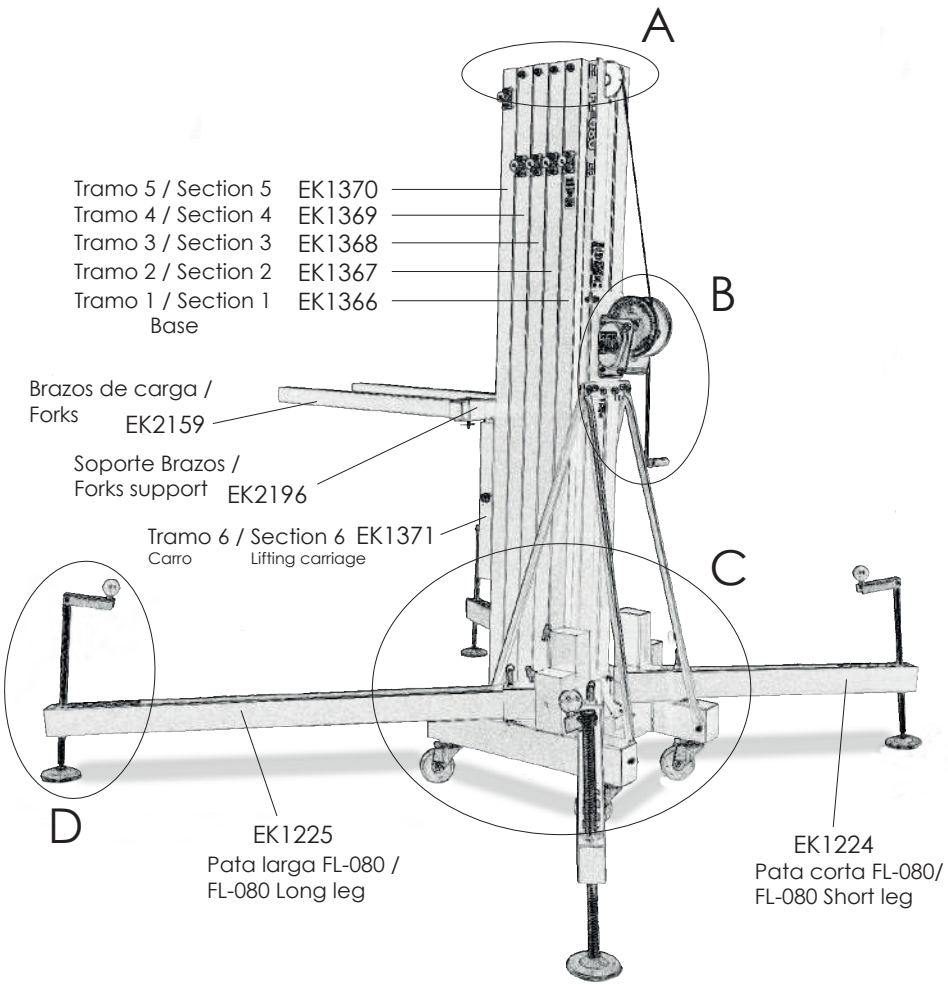
FL-080

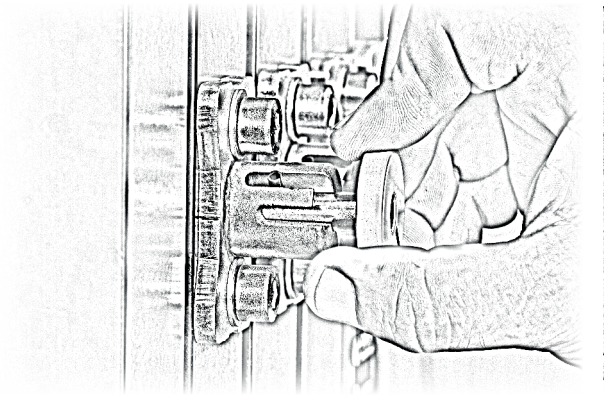
300 kg (661.4 lb)

8.00 m (26.24’)

FL-080

A - Reenvios de poleas / Pulleys sets
B - Set piezas cabrestante / Winch set
C - Set piezas de la base / Base set
D - Set del estabilizador / Stabilizer set

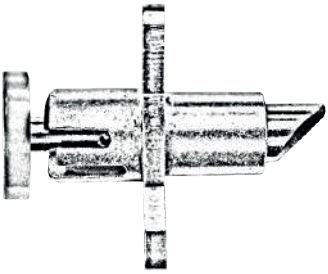




Tornillo / Screw
EK1029

Arandela / Washer
EK8001

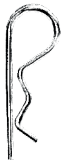
Gatillo AET / AET Lock
EK2185



Taco Gatillo/ Lock rest
EK2138

EK2156

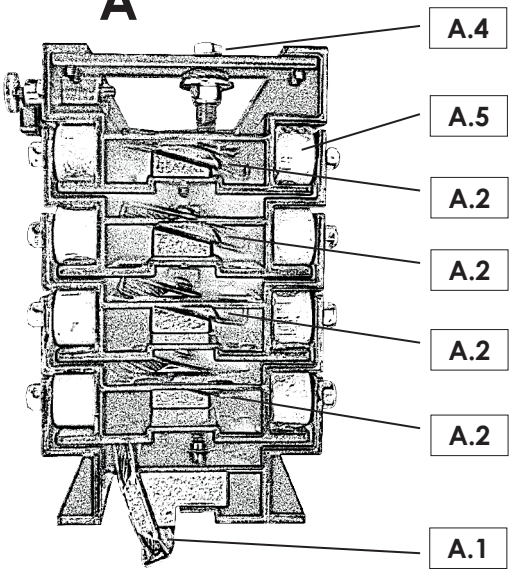
EK2157



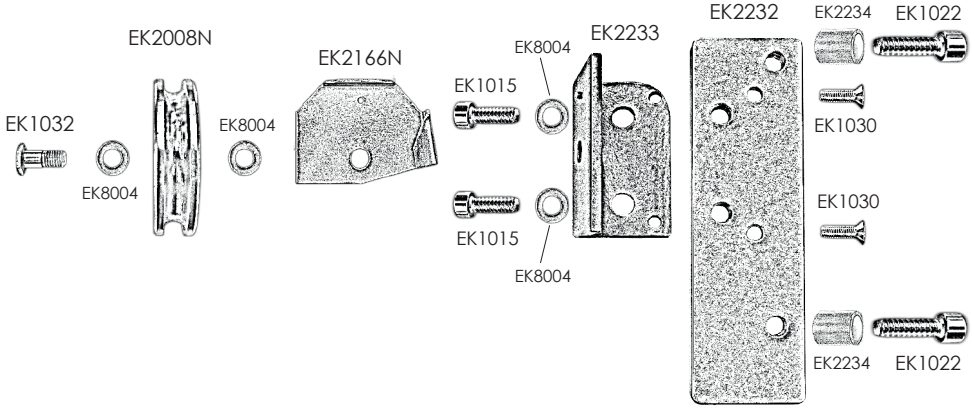
FL-080

A

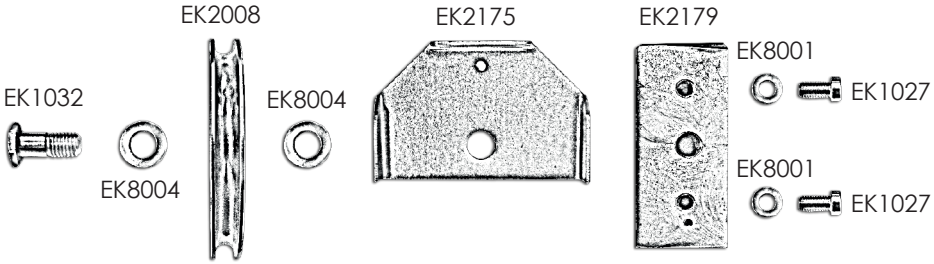
Vista en Planta superior / Top view



A.1 - Reenvío superior Tramo 1 Base / Upper pulley set on Section 1 Base

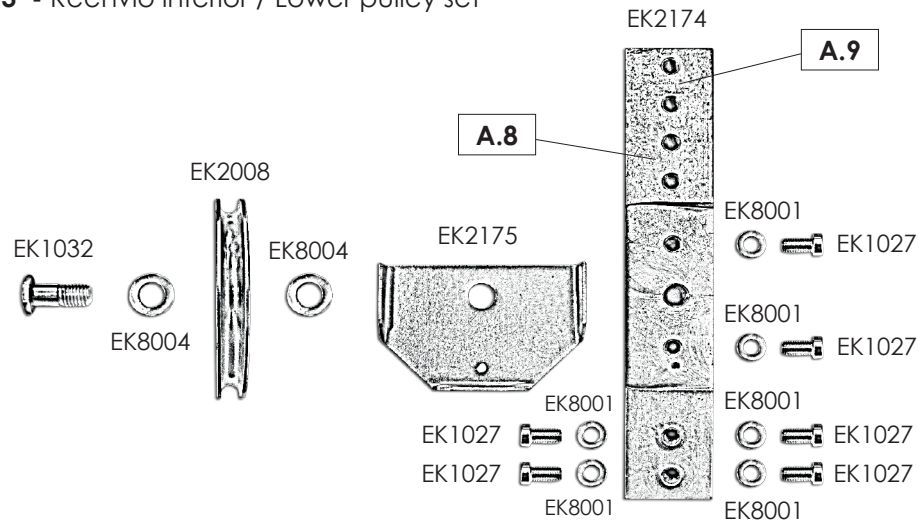


A.2 - Reenvío superior Tramos 2 a 5/ Upper pulley set on sections 2 to 5

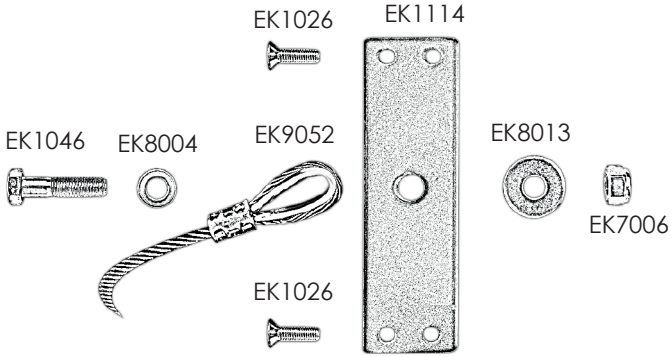


A

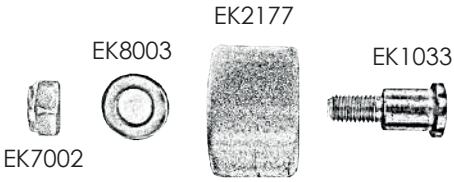
A.3 - Reenvío inferior / Lower pulley set



A.4 - Fijación final de cable / Cable fixation

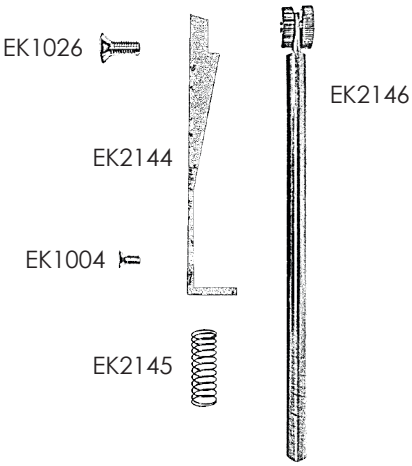


A.5 - Rodillo Nylon / Nylon roller



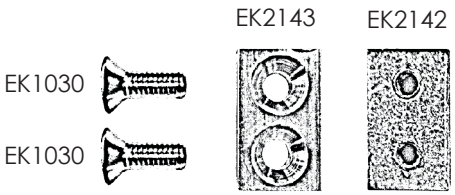
A

A.6 - Freno de Inercia / Inertial break

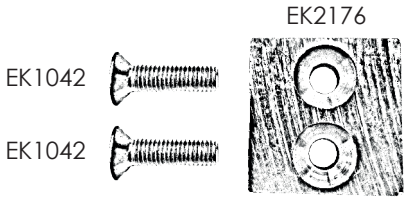


A.7 - Tornillo fijación soporte brazos / Fixation screw for the forks support

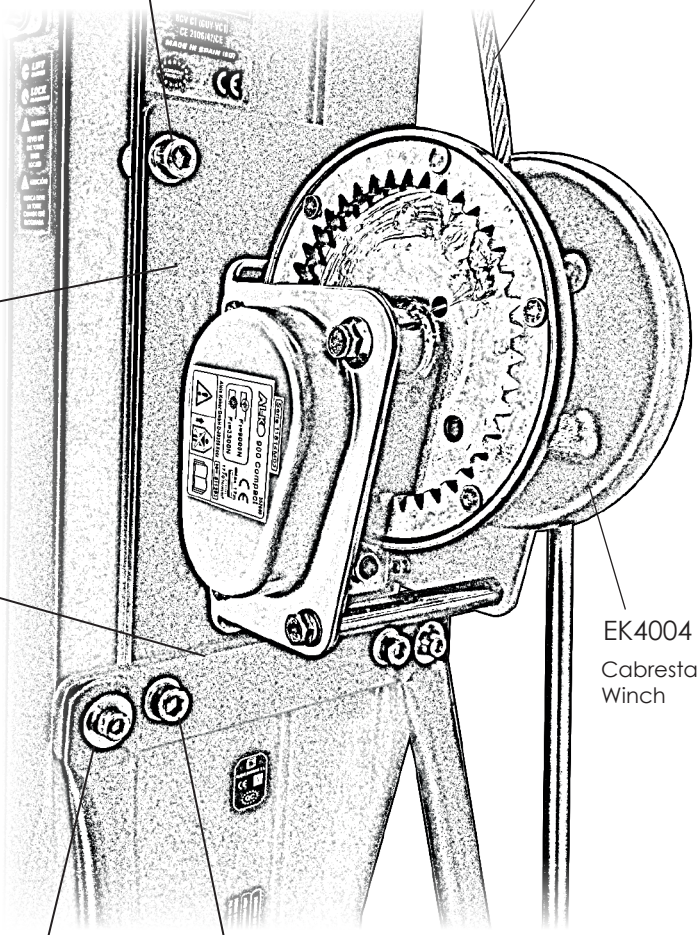
A.8 - Taco tope barras superior / Upper stop piece



A.9 - Taco tope barras inferior / Lower stop piece



B



Tornillo / Screw EK1028
Arandela / Washer EK8003
Tuerca / Nut EK7002

Cable de acero / Steel cable
EK9052

EK2173N
Placa cabrestante / Winch support plate

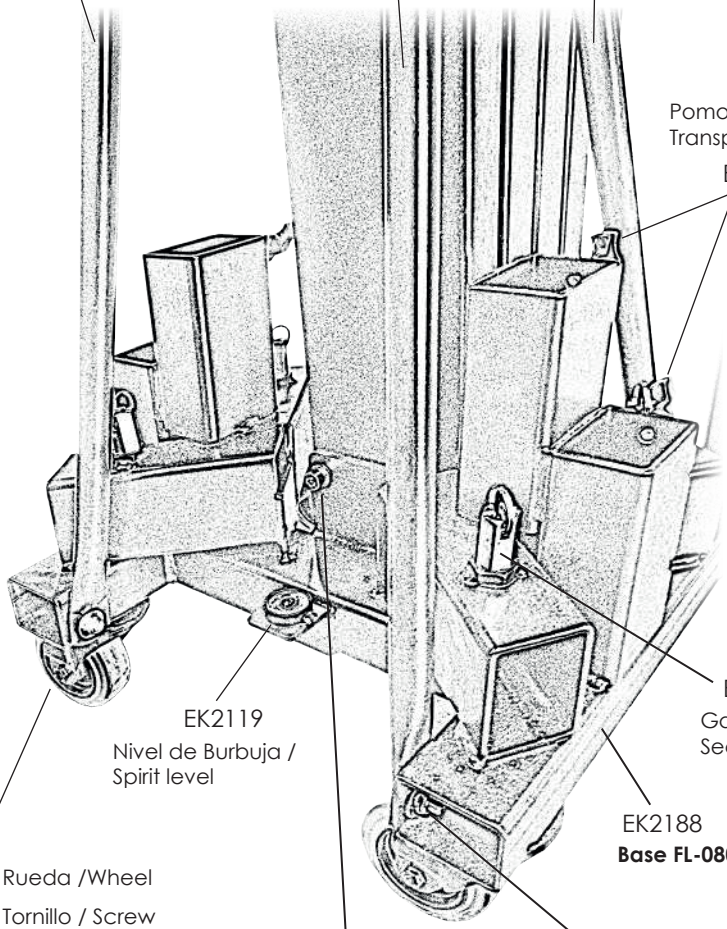
EK2193
Placa tirantes / Strut support plate

EK4004
Cabrestante / Winch

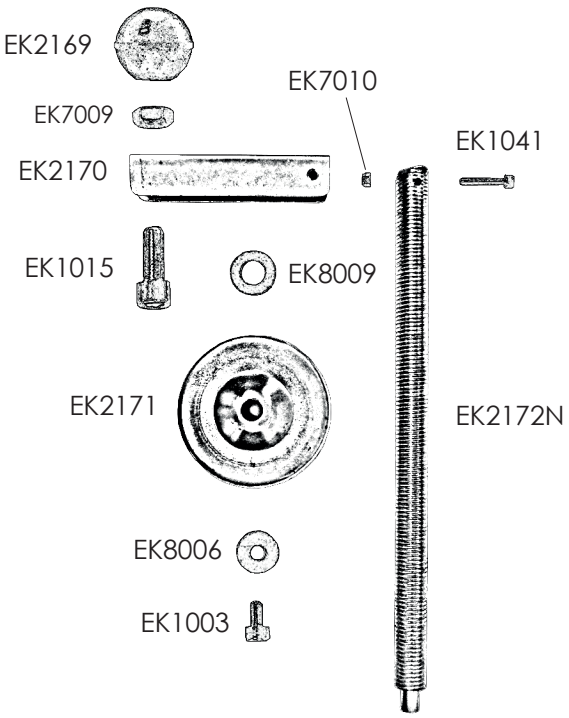
Tornillo / Screw EK1036
Arandela / Washer EK8006
Tuerca / Nut EK7001

EK1036 Tornillo / Screw
EK8001 Arandela / Washer
EK7001 Tuerca / Nut

C

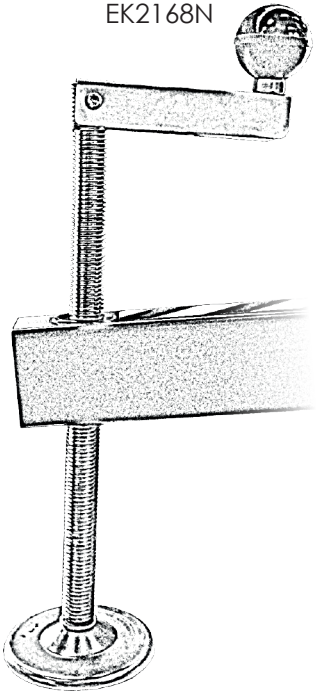

Apoyo izquierdo / Left strut
EK2136
Apoyo derecho / Right strut
EK2137
Apoyo izquierdo / Left strut
EK2136
Pomo transporte patas / Transport security knob
EK2190
EK2189
Gatillo patas / Security leg lock
EK2119
Nivel de Burbuja / Spirit level
EK2188
Base FL-080
EK5004 Rueda /Wheel
EK1022 Tornillo / Screw
EK8004 Arandela / Washer
EK7006 Tuerca / Nut
EK1028 Tornillo / Screw
EK8003 Arandela / Washer
EK7002 Tuerca / Nut
EK1020 Tornillo / Screw
EK8001 Arandela / Washer
EK7001 Tuerca / Nut

D



Estabilizador completo /
Complete stabilizer kit

EK2168N



LISTA DE REPUESTOS / SPARE PARTS LIST

Code/Código	Description/Descripción
EK1003	Tornillo allen M8 x 16 / Allen screw M8 x 16
EK1004	Tornillo cónico M5 x 12 / Conic screw M5 x 12
EK1015	Tornillo allen M12 x 25 / Allen screw M12 x 25
EK1020	Tornillo allen M8 x 25 / Allen screw M8 x 25
EK1022	Tornillo allen M12 x 40 / Allen screw M12 x 40
EK1026	Tornillo cónico M8 x 20 / Conic screw M8 x 20
EK1027	Tornillo especial M8 x 16 / Special screw M8 x 16
EK1028	Tornillo allen M10 x 30 / Allen screw M10 x 30
EK1029	Tornillo allen M8 x 35 / Allen screw M8 x 35
EK1030	Tornillo cónico M8 x 25 / Conic screw M8 x 25
EK1032	Tornillo especial cabeza plana / Special flat M12 screw
EK1033	Tornillo rodillo nylon / Nylon runner screw
EK1036	Tornillo allen M8 x 30 / Allen screw M8 x 30
EK1041	Tornillo allen M6 x 40 / Allen screw M6 x 40
EK1042	Tornillo cónico M8 x 30 / Conic screw M8 x 30
EK1043N	Tornillo allen M14 x 200 / Allen screw M14 x 200
EK1046	Tornillo especial M12 x 45 / Special Screw M12 x 45
EK1047	Tornillo allen M12 x 100 / Allen screw M12 x 100
EK1114	Pletina fijación cable con argolla / Cable (with shackle) fixation plate
EK1224	Pata corta FL-080 / Short leg FL-080
EK1225	Pata larga FL-080 / Long leg FL-080
EK1366	Tramo 1 (Base) FL-080 / Section 1 (Base) FLS-080
EK1367	Tramo 2 FL-080 / Section 2 FL-080
EK1368	Tramo 3 FL-080 / Section 3 FL-080
EK1369	Tramo 4 FL-080 / Section 4 FL-080
EK1370	Tramo 5 FL-080 / Section 5 FL-080
EK1371	Carro aluminio Tramo 6 / Aluminium lifting carriage section 6 FL-080
EK2008	Polea Ø90 / Pulley Ø90
EK2008N	Polea Ø90 ancha / Wide pulley Ø90
EK2119	Nivel de burbuja / Spirit level indicator
EK2136	Tirante largo Izquierdo / Long left strut
EK2137	Tirante largo Derecho / Long right strut

Code/Código	Description/Descripción
EK2138	Taco Gatillo / Lock rest
EK2142	Tope tramos / Section Top
EK2143	Tope roscado tramos / Section screw top
EK2144	Rampa freno / Brake ramp
EK2145	Muelle / Spring
EK2146	Freno de carro / Carriage break
EK2156	Pasador / Pin
EK2157	Clip “R” / “R” Shape clip
EK2159	Brazo de carga / Lifting fork
EK2166N	Cubre cable polea entrada Ø90 ancha / Cable entry pulley cover Ø90 wide
EK2168	Estabilizador completo FL-080 / Complete FL-080 stabilizer
EK2169	Bola grande de estabilizador / Big stabilizer ball
EK2170	Manivela grande estabilizador / Big stabilizer handle
EK2171	Plato grande estabilizador / Big stabilizer plate
EK2172	Esparrago estabilizador M24x330mm / Threaded bolt M24x330mm
EK2173N	Placa porta-cabrestante FL-080 / Winch plate FL-080
EK2174	Macizo porta-poleas inferior / Lower pulley support piece
EK2175	Cubre cable polea Ø90 / Pulley cover Ø90
EK2176	Taco tope tramos ancho / Large stop piece
EK2177	Rodillo nylon grande / Large nylon roller
EK2179	Macizo porta-poleas superior / Upper pulley support piece
EK2185	Gatillo AET Dos posiciones / AET Lock dual position
EK2187	Base Eurotruss FL-080 / FL-080 Eurotruss Base
EK2189	Gatillo patas / Security leg lock
EK2190	Pomo apriete transporte patas / Transport security knob for legs
EK2193	Placa sujección tirantes / Strut support plate
EK2196	Soporte brazo carga / Fork support
EK2232	Pletina hierro porta-poleas tramo 1 / Steel plate for 1st section pulley
EK2233	Ángulo de hierro porta-poleas tramo 1 / Steel angle for 1st section pulley
EK2234	Casquillo aluminio Ø25x3 Long: 29mm / Aluminium shell Ø25x3mm
EK4004	Cabrestante 900kg Manivela larga / 900kg Winch Long handle
EK5004	Rueda Ø100 (blanca) / Wheel Ø100 (white)

LISTA DE REPUESTOS / SPARE PARTS LIST

Code/Código	Description/Descripción
EK7001	Tuerca M8 autoblocante / Auto-block nut M8
EK7002	Tuerca M10 autoblocante / Auto-block nut M10
EK7006	Tuerca M12 autoblocante / Auto-block nut M12
EK7007	Tuerca mariposa autoblocante / Butterfly nut
EK7009	Tuerca M12 / Nut M12
EK7010	Tuerca M6 autoblocante / Auto-block nut M6
EK8001	Arandela M8 / M8 washer
EK8003	Arandela M10 / M10 washer
EK8004	Arandela M12 / M12 washer
EK8006	Arandela M8 ancha / Wide M8 washer
EK8009	Arandela M14 / M14 washer
EK8013	Arandela M12 ancha / Wide M12 washer
EK9052	Cable FL-080 Ø6mm / Cable FL-080 Ø6mm

Operating Instructions – ENGLISH

1 - INTRODUCTION.

Dear user. Thank you purchasing your Eurotruss FL-080 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 of this manual and quote the serial number and year of manufacture located on your lifter.

2 - TECHNICAL SPECIFICATIONS.

Eurotruss lifter, model FL-080 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*** or catalogue.

2.1 - Max. load: 300 kg (661.4 lb)
2.2 - Min. load: 25 kg (55 lb)
2.3 - Max. height: 8.00 m (26.24')
2.4 - Folded height: 1.99 m (6.53')
2.5 - Transport surface: 0.56x0.63x1.99m (1.84'x2.07'x6.53').
2.6 - Shipping dimension: 0.57x0.64x2. (1.87'x2.10'x6.56').
2.7 - Work surface: 1.87 x 1.80 m (6.13' x 5.90')
2.8 - Weight: 185 kg (407.86 lb)
2.9 - Winch: 900 kg certified
2.10 - Cable: Steel DIN 3060. Tensile strength 180 kg/mm^2. Anti-torsion & anti-corrosion Ø6 mm cable diameter.
2.11 - Construction material: Alluminium profiles 6082T6.
2.12 - Antirust protection priming paint bathed black steel, covered with cured polyester dust.

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.

4 - OPERATION.

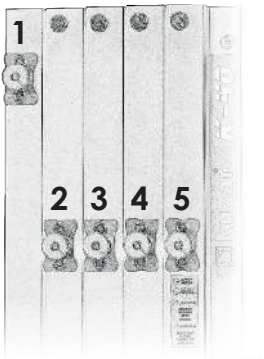
4.1 - Place the tower on a flat and solid surface where it is going to be used.

4.2 - Remove the legs from their transport supports and insert them in their working position. Check that they are fully inserted and fixed with their 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 stabilizer plates by turning the handle in the appropriate direction.

4.4 - Change the forks to their horizontal working position and fix them with the fastener pins, place the load on the forks using a Eurotruss Accessory if necessary, and ensure that the tower is only used to lift loads vertically. The minimum load is 25 kg.
NEVER RAISE THE TOWER SECTIONS WITHOUT LOAD.

4.5 - Elevation:

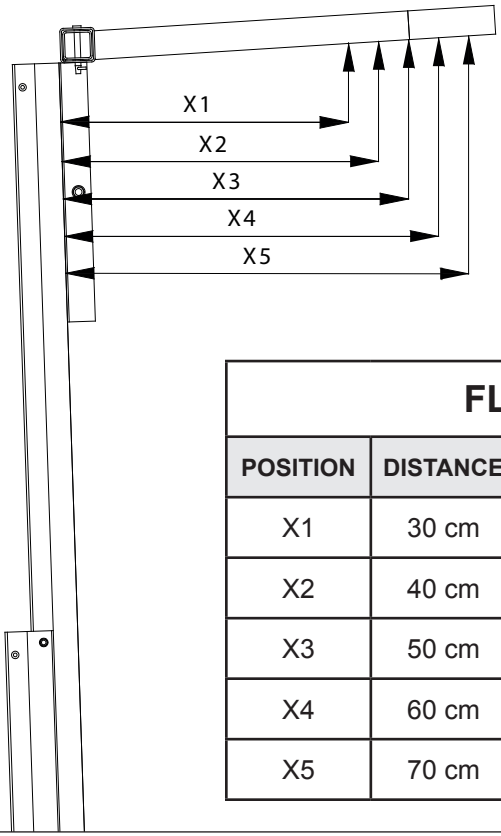


4.5.1 - Ensure that all the AET locks are in the BLOCK position.
4.5.2 - Change the **nº1 AET** lock to the LIFT position.
4.5.3 - Turn the handle clockwise to raise the lifting carriage of the tower.
4.5.4 - When you have reached the desired height, fix the **nº1 AET** lock in by turning the handle anti-clockwise. Change the **nº1 AET** lock to the BLOCK position.
4.5.5 - Change the **nº2 AET** lock to the LIFT position.
4.5.6 - Turn the handle clockwise to rise the next section of the tower.
4.5.7 - When you have reached the desired height, fix the **nº2 AET** lock in by turning the handle anti-clockwise.
Check that the **nº2 AET** lock has introduced in to its corresponding hole.
And change the **nº2 AET** lock to the BLOCK position.
4.5.8 - Repeat these steps to raise all the sections of the tower, changing all the **AET** locks left *orderly* to the LIFT position and turning the handle clockwise.

WARNING: *The tower can be left in any intermediate height if necessary. Just make sure that the* ***AET*** *locks are always fixed and introduced. In the unlikely event of cable breaking the* ***AET*** *locks will ensure that the tower stays* ***UP and SECURE****.*
Your security is our main concern.

IMPORTANT - HOW TO PLACE THE LOAD ON THE LIFTER

Always load as close to the tower as possible.
Follow the instruction of the next picture to place the load correctly, the diagram shows the load out of the gravity center, with distances to the lifting carriage at a maximum lifting. Notice that the maximum load diminishes according to the distance from the body of the tower.



FL-080			
POSITION	**DISTANCE**	**LOAD**	**PERCENTAGE**
X1	30 cm	300 kg	*100%*
X2	40 cm	285 kg	*95%*
X3	50 cm	267 kg	*89%*
X4	60 cm	210 kg	*70%*
X5	70 cm	165 kg	*55%*

4.6 - Descent:

4.6.1 - To fold the tower down, first, turn the handle of the winch clockwise to tighten the steel cable.
4.6.2 - Once the cable is tense, pull out the **nº5 AET** lock, mantain it always in LIFT position but keep it out.
4.6.3 - While you keep the AET lock out, turn the handle anti-clockwise to bring down the corresponding section of the tower.
4.6.4 - Once the section has been brought down, release the **nº5 AET** lock, and pull out the **nº4 AET** lock.
4.6.5 - While you keep the next AET lock out, turn the handle anti-clockwise to bring down the next section.
4.6.6 - Keep repeating these steps, pulling out all the AET locks left in order while you turn the handle anti-clockwise.
4.6.7 - Once the tower has been folded down, place all the AET locks in the BLOCK position.

4.7 - Transport:

Turn the handle of the stabilizers to release tension on the legs in order to pull them out. Then, place the legs in their transport compartments located at the base of the tower. Pull out the forks and place them in vertical position. The tower will be ready for transport.

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.

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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