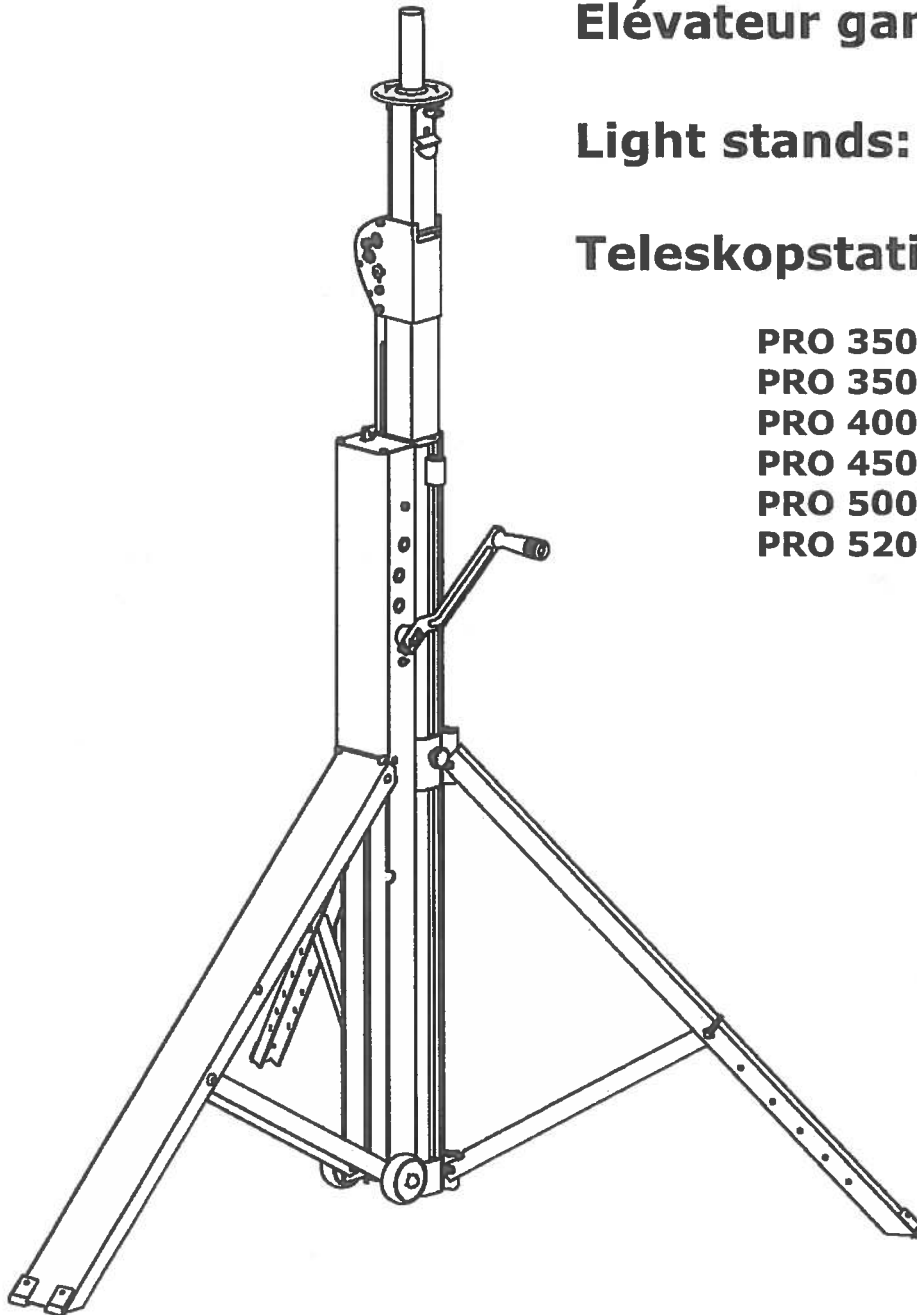


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# **GOLIATH-Studio®**



**Elévateur gamme PRO**

**Light stands: PRO range**

**Teleskopstative - PRO**

**PRO 3500  
PRO 3500MS  
PRO 4000  
PRO 4500  
PRO 5000  
PRO 5200**

**Talbot Lifting and Security Ltd.**

Block A, First floor, Parkview house, Beech Hill Office Campus, Beaver Row, Dublin 4, Ireland

MAT-N-PRO001  
AC03289

## Introduction

This user manual has been written as guidance for a safe and efficient use of your Goliath-studio Pro light stand.

We strongly recommend you read carefully and implement all instructions given in this document.

Our products benefit from quality inspections and demanding tests procedures during the manufacturing process. The Basic range has a 2 years warranty from date of shipment providing it is used in accordance of this instruction manual and within the limit of a normal use (see our conditions of warranty page 4)

Goliath Studio provides several type of maintenance and after sales service contract as well as warranty extension and yearly certifications for your Goliath Studio lifters. These programs provide longer life to your lifter while confirming the upmost level of security for you and the using personnel. We strongly recommend to subscribe.

## Technical data

**Light stands restricted use to entertainment light system management only. All other use is forbidden.**

Pro	3500	3500MS	4000	4500	5000	5200
<b>Maximum load</b>	120 kg	120 kg	120 kg	120 kg	150 kg	200 kg
<b>Minimum load</b>	10 kg	10 kg	10 kg	10 kg	10 kg	10 kg
<b>Maximum height</b>	3500 mm	3500 mm	4000 mm	4500 mm	5000 mm	5000 mm
<b>Folded height</b>	1565 mm	1650 mm	1385 mm	1555 mm	1855 mm	1855 mm
<b>Weight</b>	24 kg	29 kg	29 kg	34 kg	47 kg	50 kg
<b>Foot extention dia.</b>	1500 mm	1700 mm	1500 mm	1700 mm	2000 mm	2000 mm
<b>Number of sections</b>	2	2	3	3	3	3

All Pro models benefit from a rack and pinion elevation design with automatic safety system.

The upper sections move simultaneously and evenly up.

The additional automatic safety system comes as a standard on the 3rd section.

Front legs are individually adjustable to guarantee an excellent stability.

Each foot is equipped with rubber block.

Corrosion free: Hard anodised aluminium and galvanised painted steel.

## Safety instructions

Position the elevator on a flat and hard surface.

Adjust the front legs length so that the lifter is straight and levelled.

Check the lifter position with the bubble marker.

Make sure the foot safety catch pawl is in locking position, in such a way that the elevator foot is duly locked in position.

When used outside and-or under wind conditions the elevator must be positioned on a hard surface with proper slinging.

To do so it is recommended to attach cables from the support plate of the extension module at the top of the lifter (R) to 4 solid ground equidistant fixing points.

Make sure there is no cable or any object positioned above the elevator that could be hit when lifting.

Check the load lifted and make sure it remains lower than the maximum load capacity.

During transport, lower all sections and lock the foot in folded position.

Remove all fixing accessories positioned on the elevator, fold the extension section if applicable, position the safety pin.

Make sure the spring device (S) locking the 3<sup>rd</sup> section is in place. If not, simply apply a top down pressure on the 3<sup>rd</sup> section until you click in.

If in any circumstances the 3<sup>rd</sup> section of the lifter is moving out during transport, simply turn the handle clock wise until section 2 has a length equal to section 3, and then turn the handle anti clock wise to fold back the lifter in lower position  
Handle with care during transport. No shock.  
Do not damage profiles or handle.

Do not overload the elevator.

The load must be in central position vs the centre of gravity of the elevator to avoid off balance.

Do not position ladder on the elevator and do not use it as scaffolding

Lifting person is forbidden.

Do not apply side traction on the elevator head while in use which could damage the profile structure.

Never turn the handle with 2 hands if high effort is required. It means the elevator is overloaded.

Do not stay under the load.

Do not adapt motor on the handle axle.

## **Operating instructions**

Position the elevator on a flat and hard surface.

### **PRO3500-4000-4500 serie**

Unlock the foot safety pin (A) unscrew the blocking Wheel (B).

Push the sliding front foot support downwards until it locks itself in unfolded position and tighten the security wheel (B)

Unlock rear foot (C), unfold it and lock into position (D).

Check the elevator stability thanks to the bubble marker (E).

Adjust if required the leg position with the appropriate safety pin location (F) to offset a possible un irregular floor.

### **PRO5000-5200 serie**

Unlock each leg (N), position it in the corresponding locating hole (O) until it is safely locked

Check the lifter stability with bubble marker (E).

Adjust if required the leg position (P) thanks to the handle (H) to correct a possible irregular floor.

Check again the lifter stability with the bubble marker (E).

And renew the operation until you obtain perfect stability.

Position the load fixing device (R) et secure it with screw.

Push the locker forward (J) .

Position the handle on axle (H) and check the self locking system.

Turn the handle clockwise to lift the load up to the appropriate level.

During the lifting operation you should hear a regular clicking sound. If you do not hear this sound, turn the handle several times both ways up and down. If the sound cannot be heard do not use the elevator and contact your local dealer.

The height of load can be checked directly (line between the first and the second section) on the scale line (I) integrated to the 2d section. The load can be adjusted to the cm

Do not lift beyond « stop » signal.

Disconnect the handle (H).

### **To lower the load:**

Position the handle on axle (H).

Turn slightly the handle clock wise to relieve pressure on the safety ratchet (J).

Pull the safety lock (J) backwards in unlocked position.

Turn the handle anti clockwise.

When fully folded, it may be possible to continue to turn the handle anti clockwise.

This will not affect the elevator, but it will require you turn several times the handle clockwise before you actually see an elevation again.

### **During transport**

Remove the load and the trussing support device. Fold the extension module if any with safety pin (K) Push down if required the upper section until spring lock (S) comes into locking position.

#### **PRO3500-4000-4500 serie**

Unlock the sliding foot support and slide it up until it locks itself in position (A) and tighten locking screw (B).

Unlock rear foot (D) fold it back and lock it into position (C).

#### **PRO5000-5200serie**

Unlock each legs (N), and position it in it's storage support (Q) jusqu'à son verrouillage en position.

Pull the lifter with the handle (M) as it gently rolls on wheels.

### **Maintenance**

Goliath Studio Pro range elevator does not require maintenance. It has been greased at factory and is designed to operate at nominal load for 2 years with one complete cycle (up and down)once a day.

In case of intensive use, it is necessary to check if a potential wear of the rack is visible and if necessary to grease accordingly the rack.

It is strictly forbidden to open the elevator mechanism and grease it.

### **Product certification**

Every lifting equipment must be inspected at least once a year and pass a load test in order to be certified for the following 12 month.

This certification must be performed by an authorized inspector.

Goliath Studio offers various certification and maintenance contract and can repair it should it be damaged or beyond warranty (contracted work based on quote).

You can also contact Goliath studio after sales service to perform such test.

Any modification or alteration of the product will automatically cancel the warranty and withdraw Goliath studio responsibility.

### **Certifications**

Our product conforms to European standards and recommendation.

Directives 2006/42/CE, Standard EN12100-2010, EN13157+A1, BGV C1 and BGG 912 rules.

And benefit from the CE marking.

However our internal certification process test and manufacturing standards are of a higher level of requirement than the above mentioned standards which enables us to provide a 2 year warranty for all PRO serie lifters.

### **Warranty**

Goliath studio Pro elevator has a 2 years warranty

The warranty includes the lifting mechanism, the safety devises and the telescopic mechanism.

The warranty starts from the factory shipping date (date of invoice or delivery note)

This warranty is valid as long as the elevator is used in full conformity with the conditions of use and safety specified in this manual and within the limit of 1 complete cycle of operation per day (400 days within 2 years) and providing yearly test certification is completed par an authorised professional.

The following damages are not covered by the warranty:

Shock, scratches, and alteration of the product or its labelling.

Long term exposure or storage outside with no protection.  
Alteration of section caused by a side traction effect.  
Any use of the elevator requiring an effort over 10 kg on the handle.  
Damages caused by overload.  
Any use other than elevation of light system for the entertainment industry.  
Any modification or alteration of the product will automatically cancel the warranty as well as Goliath studio responsibility.

The warranty covers only the cost of the elevator and its potential replacement. It does not cover the damages occurring further to its use.

## Carnet de certification / Test book / Prüfbuch **Goliath-studio**

Cet élévateur est un produit de levage et doit être à ce titre vérifié et certifié par un test d'épreuve réalisé par un professionnel agréé.

*/ This elevator is a lifting product and as such must be tested under full load and approved by an authorised inspector at least once a year.*

*/ Dieses Stativ ist ein Hebezeug und muss zur jährlichen Sachkundigen-Prüfung (Abnahmeprüfung) vorgeführt werden.*

**Talbot Lifting and Security Ltd.** Block A, First floor, Parkview house, Beech Hill Office Campus, Beaver Row, Dublin 4, Ireland;

Phone +33 254 81 44 57

Numéro de l'élévateur (à compléter par l'utilisateur)

Serial number of the elevator (to be filled by user)

Serien-Nummer (auszufüllen vom Benutzer)

### Année 1: Certification usine / Year 1: Factory Certification / Jahr 1 : Werksprüfung

Date de 1ère mise en service

Date of first use

Datum der ersten Inbetriebnahme

Talbot D. E.

Les portes de Chambord – ZI de Buray  
41500 MER



### Année 2 / Year 2 / Jahr 2

Certificateur

Inspector

Prüfer

Adresse

Address

Adresse

Date

Date

Datum

Tampon

Stamp

Stempel

### Année 3 / Year 3 / Jahr 3

Certificateur

Inspector

Prüfer

Adresse

Address

Adresse

Date

Date

Datum

Tampon

Stamp

Stempel

### Année 4 / Year 4 / Jahr 4

Certificateur

Inspector

Prüfer

Adresse

Address

Adresse

Date

Date

Datum

Tampon

Stamp

Stempel

À l'issue de la 4ème année d'utilisation un examen approfondi de l'élévateur et de ses composants de sécurité doit être réalisé par un professionnel certifié (organisme agréé de contrôle) ou par le fabricant (recommandé).

*/ After 4 year, the elevator and its safety components must be carefully tested and approved by an authorised inspector or by the manufacturer (recommended).*

*/ Das Hebezeug muss nach 4 Jahren als Sachverständigen-Prüfung durch einen Gutachter oder dem Hersteller (empfohlen) abgenommen werden.*

**Carnet de certification / Test book / Prüfbuch**

**Année 5: Examen et validation / Year 5: Inspection and validation / Jahr 5: Prüfung und Bestätigung**

Certificateur <i>Inspector</i> <i>Prüfer</i>	Adresse <i>Address</i> <i>Adresse</i>
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Date <i>Date</i> <i>Datum</i>	Tampon <i>Stamp</i> <i>Stempel</i>
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**Année 6 / Year 6 / Jahr 6**

Certificateur <i>Inspector</i> <i>Prüfer</i>	Adresse <i>Address</i> <i>Adresse</i>
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Date <i>Date</i> <i>Datum</i>	Tampon <i>Stamp</i> <i>Stempel</i>
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**Année 7 / Year 7 / Jahr 7**

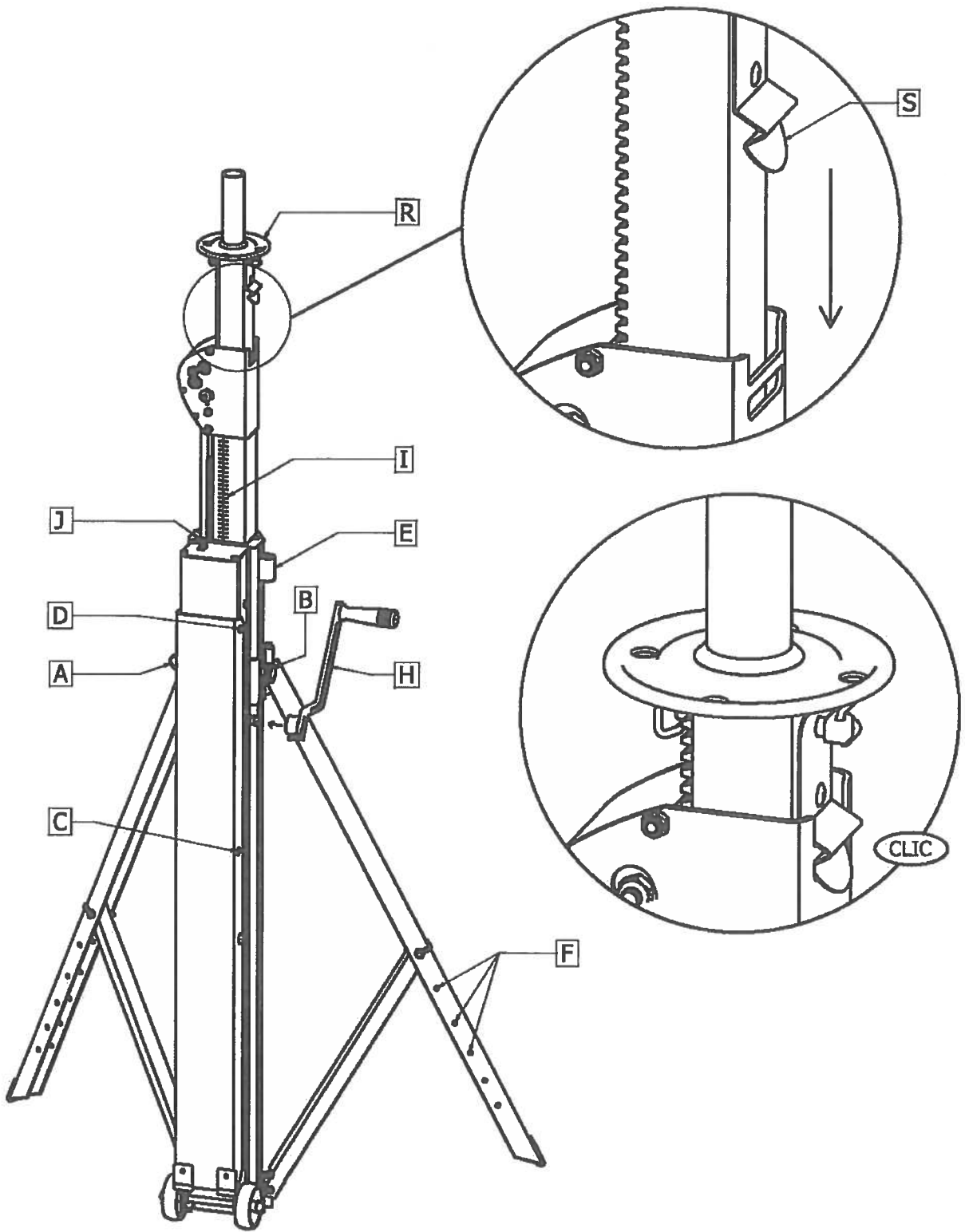
Certificateur <i>Inspector</i> <i>Prüfer</i>	Adresse <i>Address</i> <i>Adresse</i>
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Date <i>Date</i> <i>Datum</i>	Tampon <i>Stamp</i> <i>Stempel</i>
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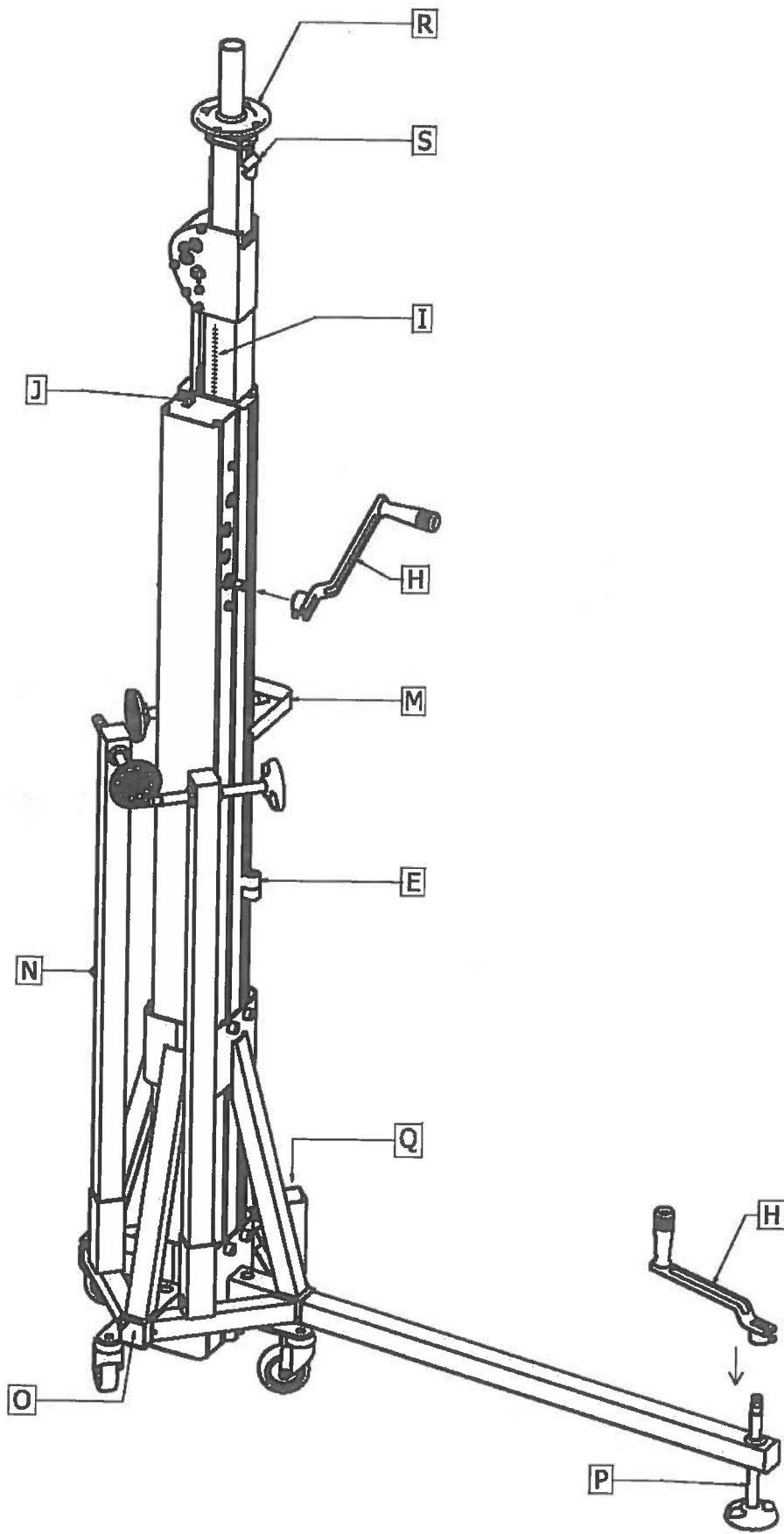
**Année 8 / Year 8 / Jahr 8**

Certificateur <i>Inspector</i> <i>Prüfer</i>	Adresse <i>Address</i> <i>Adresse</i>
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Date <i>Date</i> <i>Datum</i>	Tampon <i>Stamp</i> <i>Stempel</i>
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**ZERTIFIKAT NR. GS/71/220/12/0797**

CERTIFICATE NO.:

SEITE 1/1  
PAGE(S)

**GENEHMIGUNGSINHABER**  
LICENSE HOLDER

TALBOT LIFTING AND SECURITY  
EUROPE  
BLOCK A, FIRST FLOOR, PARKVIEW  
HOUSE, BEECH HILL OFFICE CAMPUS,  
BEAVER ROW, CLONSKEAGH, DUBLIN 4  
IRELAND

**FERTIGUNGSSTÄTTE**  
MANUFACTURING PLANT

TALBOT INDUSTRIES - TDE  
RUE DE BURAY  
41500 MER  
FRANCE

**Projekt-Nr/-ID**  
PROJECT NO./ID

592720/02  
CTS11\_0276

**GENEHMIGTES PRÜFZEICHEN**  
LICENSED TEST MARK



**Prüfberichts-Nr.**  
TEST REPORT NO

SR\_2110346\_A

**Geprüft nach**  
Tested according to

- In Anlehnung an DIN 15580-27:2005; Scheinwerfer für Film, Fernsehen, Bühne und Photographie – Teil 27: Handbetriebene Stative, sicherheitstechnische Anforderungen und Prüfung
- In Anlehnung an BGVC1; Unfallverhütungsvorschrift: Veranstaltungs- und Produktionsstätten für szenische Darstellung

**Zertifizierte(s)  
Produkt(e)**  
Certified product(s)

Höhenverstellbare, handbetriebene Stative

**Modelle und  
technische Daten**  
Models and technical data

	Höhe	Traglast	Gewicht	Aufstandsfläche
PRO 3500	3,5 m	120 Kg	24 Kg	1,5 m
PRO 4000	4 m	120 Kg	26 Kg	1,5 m
PRO 4500	4,5 m	120 Kg	34 Kg	1,7 m
PRO 5000	5 m	150 Kg	47 Kg	2 m
PRO 5200	5 m	200 Kg	50 Kg	2 m

**Längste  
Gültigkeitsdauer**  
Latest validity date

09.01.2017

Dieses Zertifikat ersetzt Zertifikat Nr: GS/71/220/12/0036  
This certificate replaces certificate no: GS/71/220/12/0036

Das Produkt entspricht den Anforderungen des Produktsicherheitsgesetzes hinsichtlich der Gewährleistung von Sicherheit und Gesundheit (§ 21 (1) ProdSG). Die Kennzeichnungspflichten gemäß § 6 (1) ProdSG sind einzuhalten.  
The product fulfills the requirements of the German Product Safety Act to ensure safety and health (§ 21 (1) ProdSG). Marking requirements of § 6 (1) ProdSG have to be observed

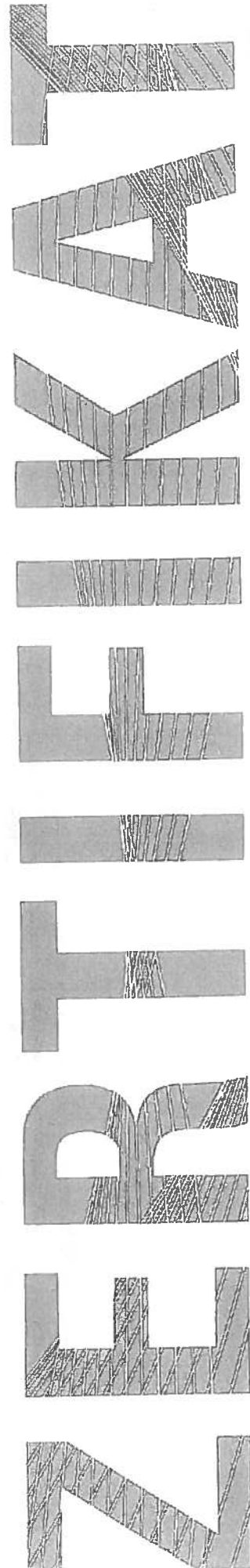
Zertifizierungsstelle  
für Produkte  
SGS-TÜV Saar GmbH  
Certification Body for Products

Tausenstein, 19.09.2012

Markus Spies

Das Prüf- und Zertifizierungszeichen ist ein wesentlicher Bestandteil des Zertifikats.  
The test mark registration is an integral part of this certificate.

SGS TÜV Saar GmbH, Im Emsel 14, 66202 Tausenstein  
Webseite: www.sgstuv.de E-mail: de.sgs.tuv@sgstuv.de



## Certificat de conformité / Declaration of conformity / Konformitätserklärung

Elévateurs télescopique destinés au positionnement en hauteur de système d'éclairage pour le spectacle /

*Light stands for the entertainment light system /*

Teleskopstativ für die Befestigung und das Heben von Scheinwerfern oder Lichteffekten.



Nous certifions que les modèles livrés sont conformes aux directives 2006/42/CE, EN12100-2010, EN13157+A1, à la BGVC1, et DIN 15560-27:2005 (section 27), et que le plan qualité a été respecté /  
*We certify that the delivered models correspond to the directives 2006/42/CE, EN12100-2010, EN13157+A1, to the BGVC1 and the DIN 15560-27:2005 (part 27); and that the corresponding quality standards have been respected /*

Wir bestätigen hiermit, dass die nachfolgenden Modelle in allen Punkten, den Richtlinien 2006/42/CE, EN12100-2010, EN13157+A1, der BGVC1 und der DIN 15560-27:2005 (Teil 27) entsprechen und die entsprechenden Qualitätsstandards bei allen Modellen gewahrt wurden.

Dossier de certification GS par le SGS-TÜV Saar GMBH, certificat N°GS/71/220/12/0797 pour les types :

*GS-certification by the SGS-TÜV Saar GMBH, certificate N°GS/71/220/12/0797 for the models:*

Verfahren zur GS Zertifizierung durch SGS-TÜV Saar GMBH - Zertifikat N°GS/71/220/12/0797 - für die Modelle:

PRO3500  
PRO3500MS  
PRO4000  
PRO4500  
PRO5000  
PRO5200

Le système d'assurance qualité du site de fabrication TDE est certifié ISO 9001 vers. 2008 par le Tüv Saarland (certificat 71 100L 123)

*The Quality Management system at the production site TDE has been certified ISO 9001 to 2008 by the Tüv Saarland (certificate 71 100L 123).*

Das Qualitäts Management, sowie die Produktion von TDE wurden durch den Tüv Saarland (Zertifikat 71 100L/123) gemäß ISO 9001 bis 2008 geprüft.

Talbot Lifting and Security Europe Ltd  
Director

Xavier GUYARD

## FAQ

### A. Check « autobrake » security system

1. Turn handle anti-clockwise (3 times).

2. Lifting/Up → turn handle clockwise until  « click » = OK

3. Lowering/Down → turn handle anti-clockwise → no noise =OK



### B. Lifter do not retract / do not move down

6. Check the screw S is unscrewed.

7. Check the ratchet J is in safety unlock position.

8. Check you have a minimum load = 15Kg (33lbs)

9. Control A length and B length as follows:

→ If  $A = B$  :

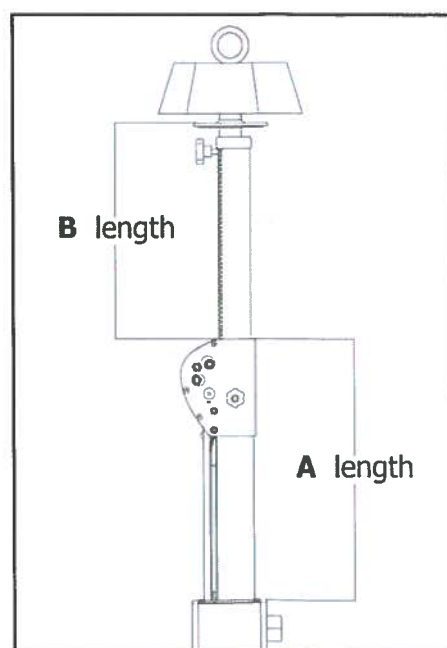
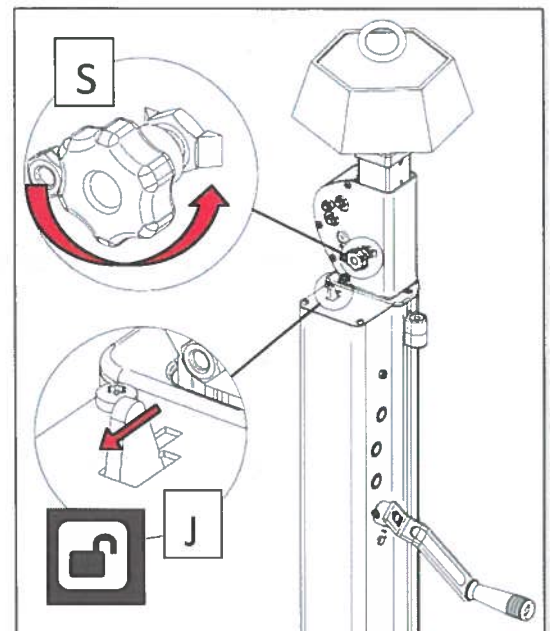
a) Turn handle clockwise twice to lift

b) Turn handle anti-clockwise to lower

→ If  $A \neq B$  :

a) Turn handle clockwise to lift until  $A = B$

b) Turn handle anti-clockwise to lower




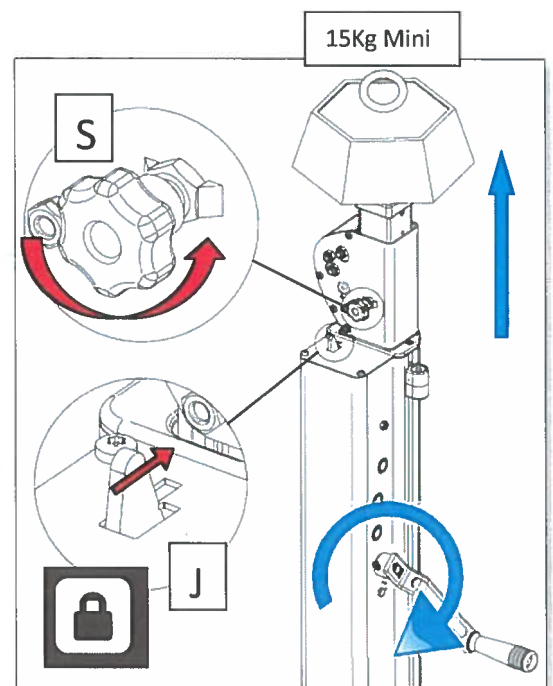
**WARNING**

**First use**

1. Unpack in horizontal position.
2. Put in vertical position.
3. Position legs.
4. Position handle.

**Before use / Lifting / UP** ↑

1. Ensure load is minimum of 15Kg/33lbs.
2. Unscrew the screw S. 
3. Position the ratchet J in safety lock position.
4. Turn handle clockwise.
5. Ensure you don't go up to the STOP (on the scale).



**Before use / lowering / DOWN** ↓

1. Turn handle clockwise once.
2. Position the ratchet J in safety unlock position.
3. Turn handle anticlockwise.
4. When it's fully retracted :
  - Tighten the screw S.
  - Remove handle
5. Place in transport bag.

