



Doughty Engineering Ltd

T55510 / T55511
Easy Lift Stand



Operating Manual

www.doughty-engineering.co.uk



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Revision History

Issue	Amendment	Date
1	New document	04-03-08
2	Figure 3 added	26-03-08
3	Servicing and maintenance section added	15-04-08
4	Cover page added & format revised	22-04-08
5	T55511 added to cover page	16-05-08

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User Manual for the Easy Lift Stand

Part No: T55510 – Chrome Finish

Part No: T55511 – Black Finish

Purpose

The Easy Lift stand is designed to support lighting fixtures for stage, film, photograph and broadcast productions on location or in the studio.

Safety Inspection

1. Maximum load: 30Kg
2. The stand should only be set up on a horizontal level surface.
3. The stand must be set up on firm ground capable of taking both the weight of the stand and its load without sinking in.
4. All loads should be balanced when using a T bar.
5. For use in open air secure stand with safety cables attached to loop A (fig. 3)
6. Periodically check that the two steel cables inside that raise and lower the telescopic centre column (via inspection holes in the first centre pole riser) are in good condition. In the event that a cable is frayed or slack (with stand loaded and knobs C & D, fig. 1, loosened), stop using the stand and send it to your dealer for repair.

Setting Up

1. Verify that the lower base is open by pushing the stand brace to the bottom position and locking it with locking screw H (fig 4). This operation is easier with the stand column folded.
2. The stand incorporates one adjustable leg to compensate for differences in ground level
 - Loosen locking screw B (fig. 1)
 - Extend the leg until the stand reaches the vertical position
 - Tighten locking screw B.
3. It is essential that the stand is levelled BEFORE loading with equipment.

Loading the stand

1. Open the locking screw E (fig. 1) before inserting the spotlight spigot into the 28mm socket at the top of the stand.
2. Secure in position by tightening the locking screw E.
3. Only use the stand for supporting large luminaries on location in conjunction with the safety cable, as the stand could tip over in windy conditions. It is recommended that you use the 28mm female socket for heavy loads as it provides more stability.



Height Adjustment

Before adjusting the height, check the following:

- Is the stand set up correctly, and has the condition of the ground been taken into account?
- Are the spotlights or arms correctly balanced and locked (screw E)?
- Loosen the two locking screws C and D (fig. 1) by turning anti-clockwise.

To release crank J, refer to fig. 2, and proceed as follows:

- Loosen screw F turning clockwise
- Tip the crank downwards
- Tighten screw F turning it anti-clockwise to ensure the crank handle is locked into the operational position.

Turn the crank handle J clockwise to raise the columns.

When the desired height has been achieved, lock screws C and D (fig. 1) by turning them clockwise. The foot rest G (fig. 4) can be useful here. Do not forget to secure the stand with safety cables on location, attached to loop A (fig. 3).

In the event that the telescopic centre column descends when loaded but without setting into action the crank handle, adjust the brakes by tightening the screw K (fig. 1) clockwise until the column remains in position with equipment loaded, and knobs C and D loosened.

If problems arise when cranking, check the following:

- Have screws C and D been loosened?
- Is the load on the stand too heavy (max. 30Kg)?
- Is there any sign of damage to the stand (ie. Caused during transportation)?
- Is the height adjustment being restricted by a branch, ceiling, or balustrades etc.
- Have any of the safety cables (where fitted) not been released?

Servicing & Maintenance

Servicing and maintenance must be carried out by approved personnel. To find your nearest approved service agent, please contact Doughty Engineering Limited.

Servicing carried out by non approved agents, or the use of non approved spares will invalidate certification.

Illustrations

Figure 1

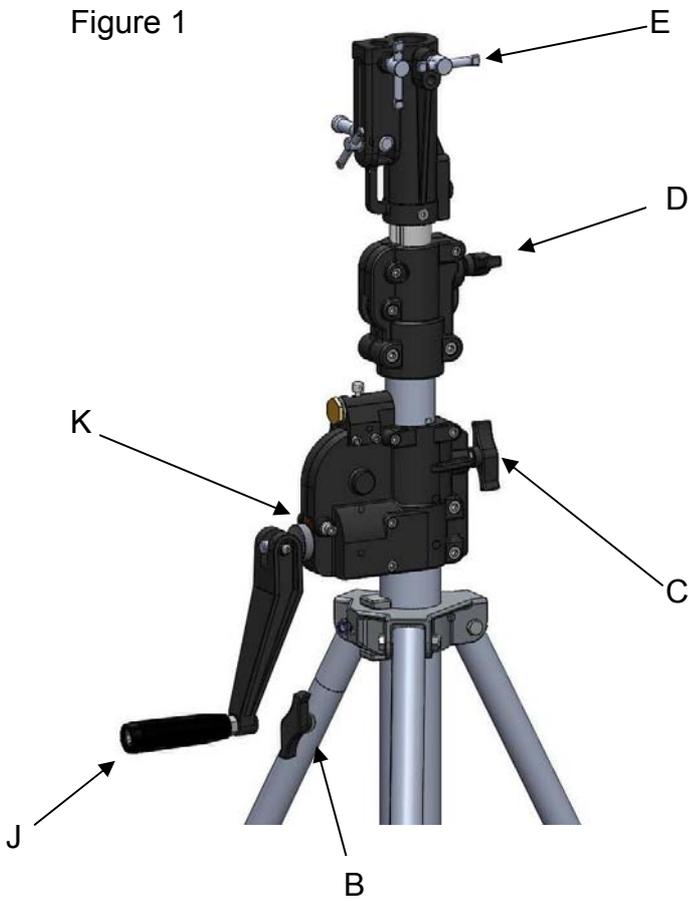


Figure 2

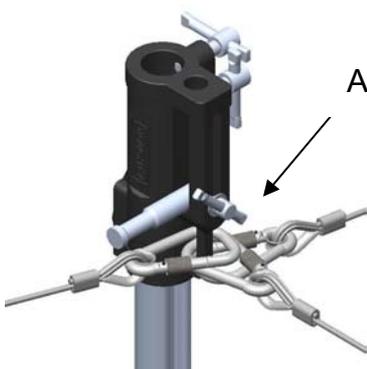
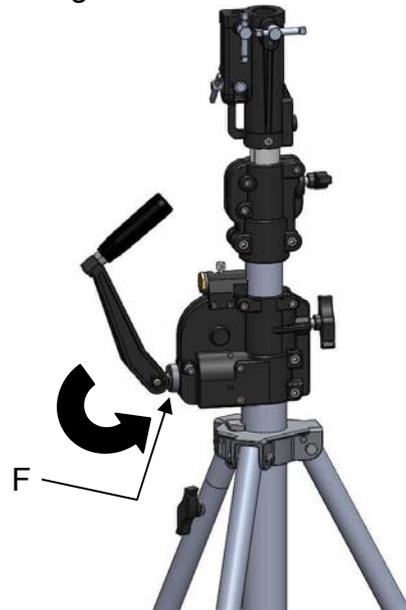


Figure 3

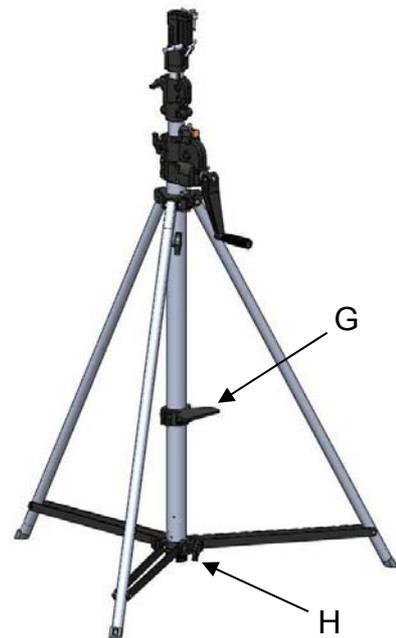


Figure 4



Declaration of Conformity



Doughty Engineering Limited

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DECLARATION OF CONFORMITY

We hereby certify that the machinery stipulated below complies with all relevant provisions of the EC Machinery Directives as amended and the national laws and regulations adopting this Directive.

Machine description: WINCH STAND

Make: EASY LIFT **Type:** T55510/T55511

Manufactured by Doughty Engineering Limited.

Is in the conformity with the provisions of the following EEC Directives:

MACHINERY DIRECTIVE 98/37/EC

Harmonised standards applied:

DIN EN 294:1992

National Technical Standards and specifications where applicable:

DIN 15560-27:2006
DIN 31001-1:1983
DIN 31000/A1:2007

SIGNED: _____ **DATE:** 24/4/08

NAME: N.D. CURTIS **POSITION:** DIRECTOR.

Being the responsible person appointed by the manufacturer

DEQ 083 Rev 3



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