



USER MANUAL

Marquee Clamps



Original Instructions

Part Nos:

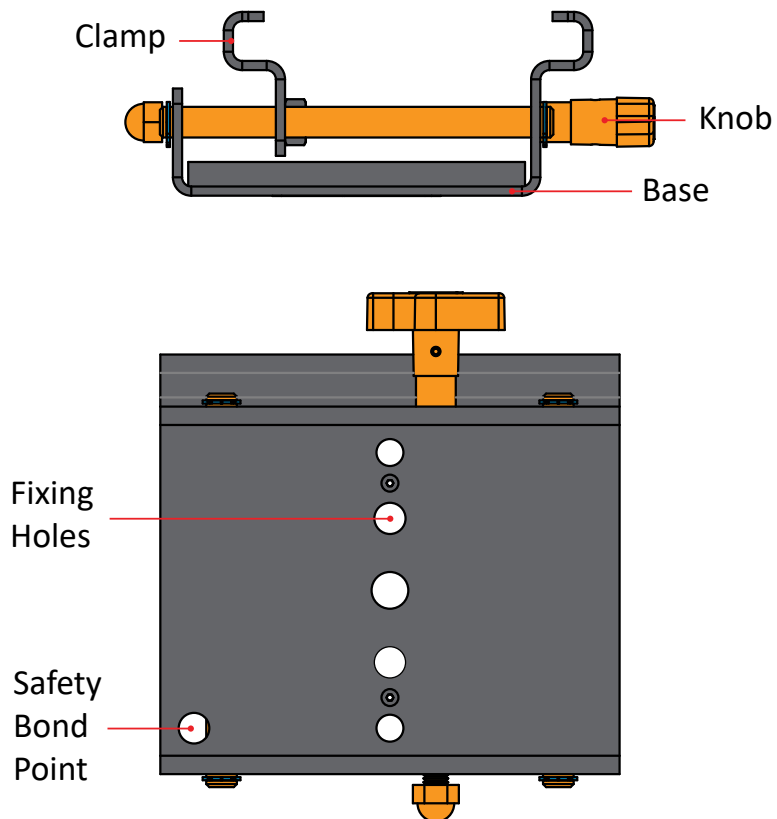
T28865
T58870
T58875

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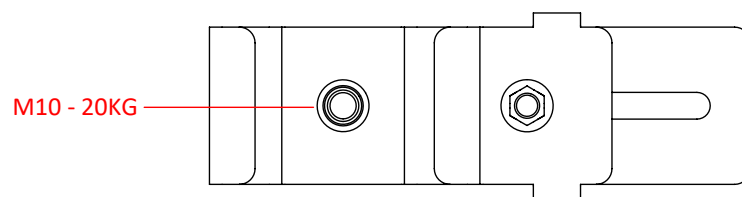
The Marquee Clamp collection is a range of steel clamps designed specifically to attach to extruded aluminium open span marquee beams sometimes known as “kader beams”.

Marquee clamps are available in the following specifications:

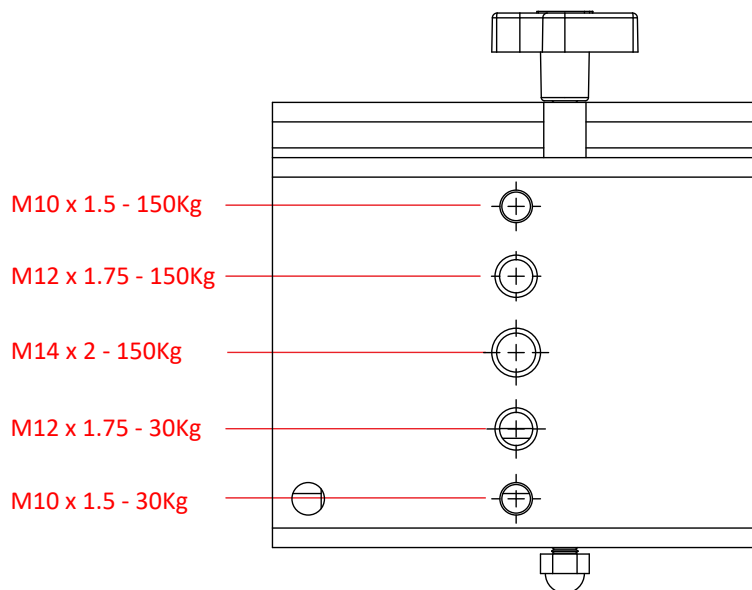
Part No.	Description	Finish	Beam Width	Max WLL
T28865	Lightweight Marquee Clamp	Satin Black	80-125mm	20Kg
T28870	Standard Marquee Clamp	Satin Black	50-110mm	150Kg
T28875	Heavy Duty Marquee Clamp	Satin Black	50-150mm	250Kg



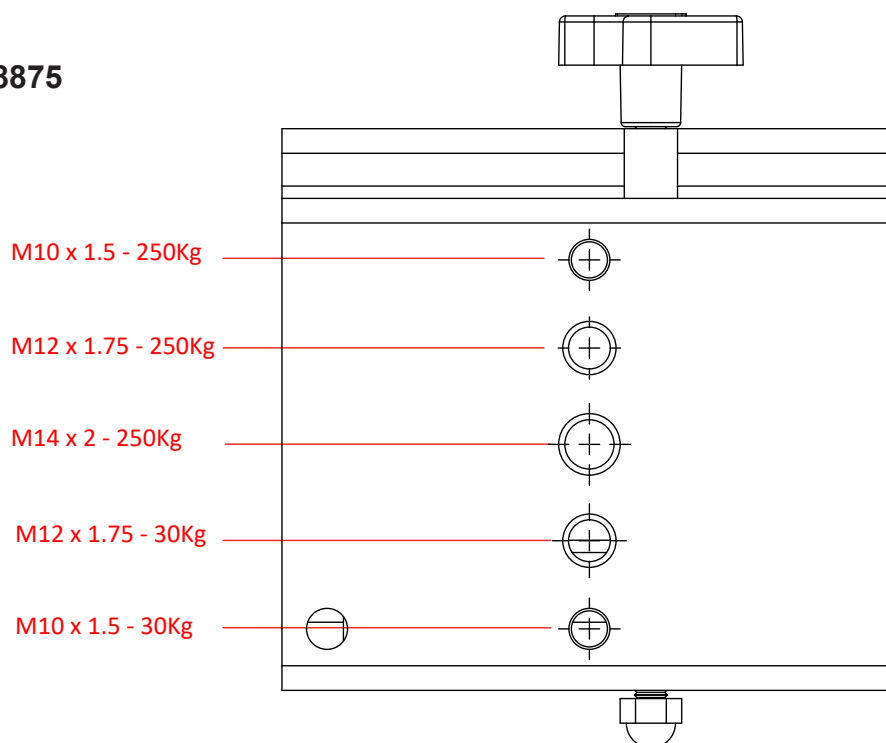
T28865



T28870



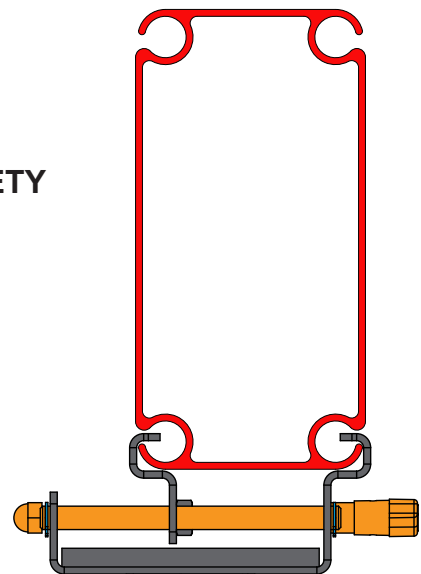
T28875



- Doughty Marquee Clamps must only be installed/used by qualified/competent personnel.
- All clamps should be visually inspected before each use. In the event of any damage the clamp should be taken out of service and returned to an “Approved Doughty Service Agent” for inspection.
- When installing Marquee clamps they should be tightened by hand only. Over tightening may result in the clamp being damaged.
- When installing/using marquee clamps you must wear appropriate personal protection equipment suitable for the environment you are working in.
- Never exceed the maximum load as indicated on the clamp and in this manual or maximum load as instructed by your installer, as the installation conditions may alter the maximum load that can be applied to the clamp.
- When used in conjunction with any other accessories, care must be taken to ensure the maximum load of any component is not exceeded.
- If the clamps are used on sloping beams make sure they are fully tightened to prevent the clamp slipping.
- Fitting a Marquee Clamp to a sloping beam reduces the stated WLL and this must be assessed by a competent person.



WARNING - ALWAYS USE A SECONDARY SAFETY





COMMISSIONING

Warning

Before applying a load, check that all connections are properly made and check if all parts are in good order. If any fault is found, mark the product clearly and remove from service.

INITIAL INSPECTIONS

When first acquired, whether they are new or used, Marquee Clamps should be inspected and a record of the inspection maintained.

REGULAR INSPECTIONS

Regular visual inspections should be carried out. Regular inspections should be performed by a competent person and should be carried out prior to each incident of use.

If you see any damage including cracks, deformation or missing parts, the product must be removed from service and returned to an Approved Service Agent for evaluation/repair.

INSPECTION FREQUENCY

MARQUEE CLAMPS IN REGULAR SERVICE

Marquee Clamps in regular service should be subjected to regular and periodic inspections. The frequency of inspections should be determined on the basis of the frequency and intensity of use.

PERMANENT INSTALLATIONS

Periodic inspections should be carried out in accordance with an inspection routine established by a qualified person, on all Marquee Clamps that are installed in a permanent configuration.

RECORDS

Records of initial inspections and periodic inspections should be kept by the owner for each Marquee Clamps and should be signed and dated by the person carrying out the inspections.



Safety Instructions

Although under normal use and environmental circumstances, Marquee Clamps need little maintenance, for safety reasons, all parts must be checked regularly for damage, cracks and corrosion.

NOTICE

The Marquee Clamps shall be checked in compliance with the local law by a competent person. Checking shall take place as often as required but at a minimum of once a year. If in doubt contact the manufacturer.

- Check all components for damage and corrosion. Damaged and corroded parts shall be exchanged with like for like approved replacement parts.
- Burrs and sharp edges shall be removed using fine sandpaper or a file.
- Maintenance and repairs must only be carried out by a competent person. If in doubt, contact the manufacturer.
- Do not use any mechanical abrasive machine to remove sharp edges from Marquee Clamps.
- Only use hot water and soap to remove dirt from Marquee Clamps - DO NOT use abrasive fluids.
- Approved personnel must carry out a visual and a function test before every usage.
- Approved personnel must carry out more detailed inspection and testing of the product on a regular basis depending on the usage of the product.
- Written records should be kept from the date the product was put into operation.



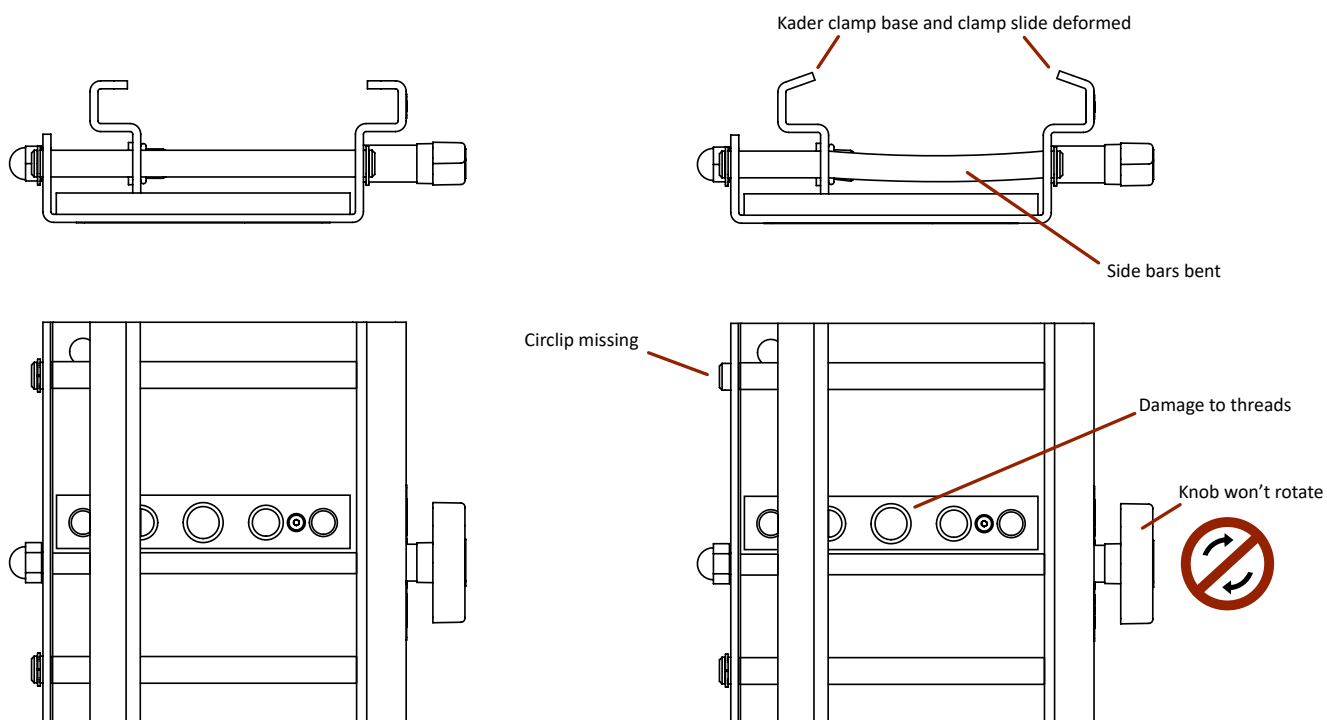
Warning

- The installer/operator must read and understand the User Manual before using the equipment.
- Operators shall be adequately instructed and fully understand the safe use of the equipment before use.
- Failure to carry out maintenance as necessary, including the replacement of parts to the correct standard could render this equipment unsafe and the manufacturer cannot accept any responsibility in this respect.
- Only use approved spare parts.
- DO NOT modify the equipment as this could lead to a critical failure.
- DO NOT use this equipment for a purpose that it is not intended. This could lead to a failure of the equipment and a risk of falling objects.

Faults, Repair and Replacement

The following faults could be an indication of overload or misuse.
Remove those clamps from service.

- Deformation of the clamp base and clamp slide.
- Doughty knob cannot be turned by hand.
- Circlips missing.
- Clamp does not fit around the kader beam.
- Slide bars are bent.
- Damage to threads.



REPAIRS AND REPLACEMENT OF PARTS

If the Marquee Clamp is damaged, contact the manufacturer.

DISPOSAL

Products that are no longer needed can be scrapped. Preferably remove all steel parts, store parts separately before offering them to a scrapping company. The following alloys are used:

- Mild Steel
- Steel 8.8

WARRANTY

- For a period of 12 months we undertake to repair, free of charge any damage attributable to faulty materials or workmanship, provided that the appliance is forwarded, freight paid, to our works or one of the Doughty appointed service agents.
- The guarantee-period begins on the day of the delivery, proven by a purchase receipt like an invoice or delivery note or their copies.
- The guarantee only is applicable for new equipment.
- The guarantee does not cover damage due to transport damage, negligent handling, overload or parts subject to normal wear and tear. Nor damages that originate from a case of misuse because of non-observance the instructions in this manual.
- The fitting of non-original replacement parts or modifications of design by third parties invalidates the guarantee.
- Guarantee repairs do not renew nor extend the guarantee-period.
- In case of a claim under the guarantee or spare part requirements please contact your Doughty service agent.
- The manufacturer is not liable for indirect consequential damage or financial loss.
- The manufacturer is not liable for any changes made to the Aluminium Rigging Bars or for any damage resulting from such changes.



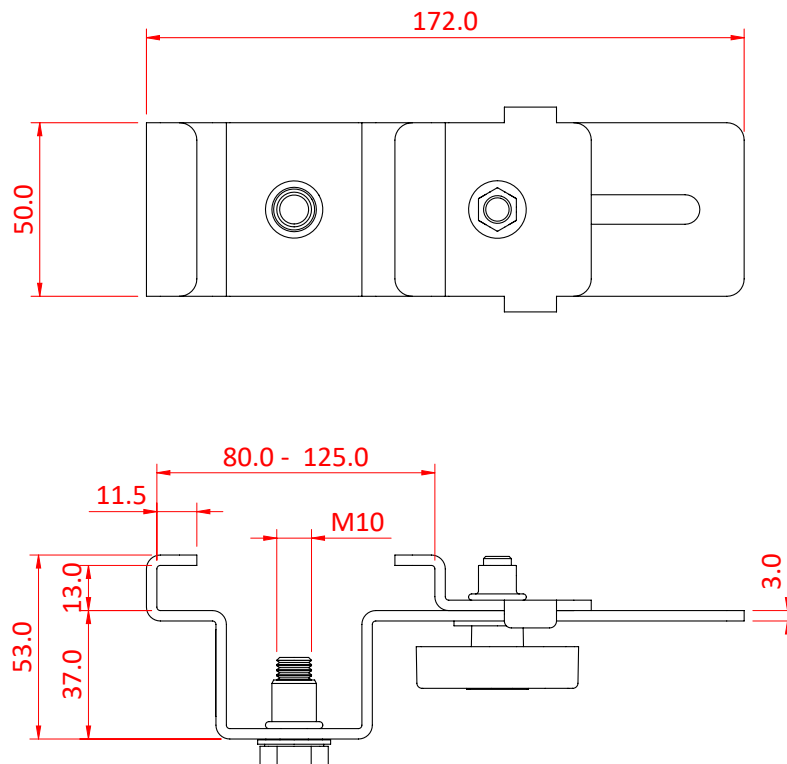
Product Data Sheet

Lightweight Marquee Clamp



A Lightweight Marquee clamp.	
Part Nos	T28865
Fits Beams	80 - 125mm (3.15" - 4.92")
Material	CR4 Mild Steel
Finish	Powder Painted Black
Max Tightening Torque	Handtight
Weight	0.50Kg (1.10 lbs)
WLL	20Kg
Factor of Safety	5:1

Dimensions in mm



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 +44 (0) 1425 478961, sales@doughty-engineering.co.uk - www.doughty-engineering.co.uk



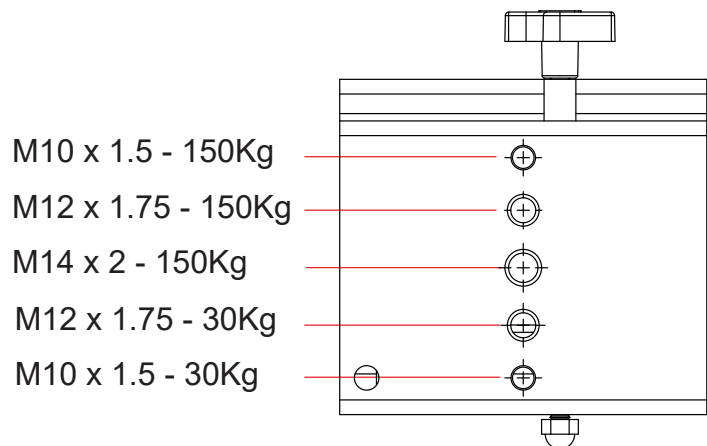
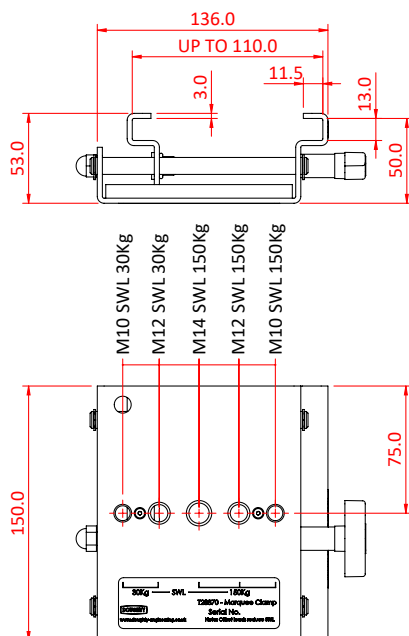
Product Data Sheet

Standard Marquee Clamp



A standard marquee clamp.	
Part Nos	T28870
Fits Beams	50 - 110mm (1.97" - 4.33")
Material	CR4 Mild Steel
Finish	Powder painted black
Max Tightening Torque	Hand tighten only
Weight	1.40Kg (3.08 lbs)
WLL	See Illustration
Factor of Safety	5:1

Dimensions in mm



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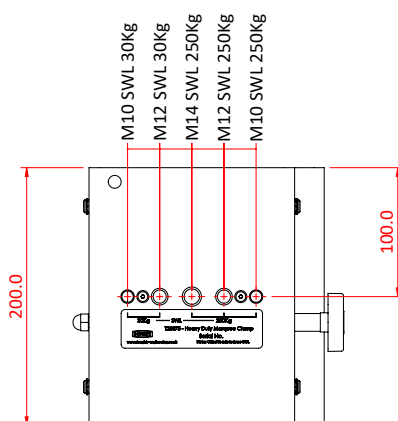
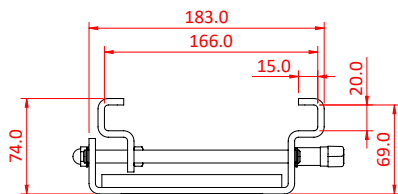
Heavy Duty Marquee Clamp

Product Data Sheet



A Heavy Duty Marquee clamp.	
Part Nos	T28875
Fits Beams	50 - 150mm (1.97" - 5.90")
Material	CR4 Mild Steel
Finish	Powder Painted Black
Max Tightening Torque	Handtight
Weight	3.80Kg (8.36 lbs)
WLL	See Illustration
Factor of Safety	5:1

Dimensions in mm



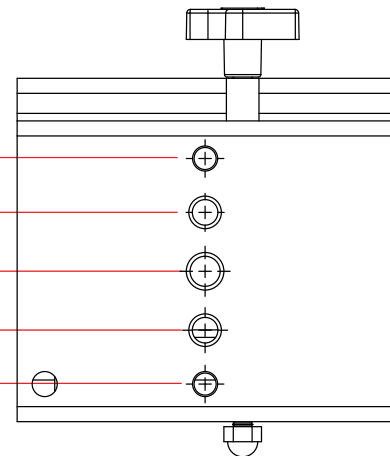
M10 x 1.5 - 250Kg

M12 x 1.75 - 250Kg

M14 x 2 - 250Kg

M12 x 1.75 - 30Kg

M10 x 1.5 - 30Kg



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Inspection List

ITEM	FAULT	REPAIR	DATE	SIGNATURE



Engineering Ltd

EC-DECLARATION OF CONFORMITY

According to the Machinery Directive 2006/42/EEC Annex II

Doughty Engineering Ltd

Crow Arch Lane

Ringwood

Hampshire

BH24 1NZ

Herewith declares that:

T28865, T28870 & T28875

Marquee Clamps

Are in compliance with the following harmonized standards/standards/regulations.

Machinery Directive 2006/42/EEC annex II

- Machinery Directive 2006/42/EC;
- BS EN 12100:2010 – Safety of Machinery – General Principles for Design – Risk Assessment and Risk Reduction.
- BS 7906-1:2005 - Lifting Equipment for Performance, Broadcast and Similar Applications;
- DGUV 17 – Regulations for Stages and Studios
- DGUV Information 215-313

Signed for and behalf of **Doughty Engineering Ltd**

Name **Dan Phillips**

Position **Company Director** being the person responsible appointed by the manufacturer.

Company Registration No. London 972614

Registered Office: Crow Arch Lane, Ringwood, Hants, BH24 1NZ

Directors: J.C.G. Chiverton. S.C. Wright. D. Phillips. D.M. Chorley



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Note: Whilst every effort has been made to ensure that the information contained within this manual is correct, Doughty Engineering does not accept any liability for errors or omissions. Specifications and technical data are intended for guidance purposes only and may vary.