



User Manual

www.doughty-engineering.co.uk

Quick Trigger Clamps



Original Instructions

Revision 2 06/10/15

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Introduction

The Quick Trigger collection is a range of aluminium clamps designed specifically to attach to round tubes or truss chords and suspend equipment and luminaries in the theatre, film, TV and photographic industries.

Quick Trigger clamps are available in the following specifications:

Pt No	Tube Dia	Width	Max Load	Finish	Hole/Fixings Supplied	Weight
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Baby Quick Trigger Clamps

T58150	25-38mm	25mm	40Kg	Polished	M10x35 Bolt / Nut	0.20Kg
T58151	25-38mm	25mm	40Kg	Black	M10x35 Bolt / Nut	0.20Kg

Standard Quick Trigger Clamps

T58200	38-51mm	50mm	250Kg	Polished	Ø12mm	0.76Kg
T58201	38-51mm	50mm	250Kg	Black	Ø12mm	0.76Kg
T58205	38-51mm	50mm	250Kg	Polished	M12x45 Bolt / Wing Nut	0.84Kg
T58206	38-51mm	50mm	250Kg	Black	M12x45 Bolt / Wing Nut	0.84Kg

Slimline Quick Trigger Clamps

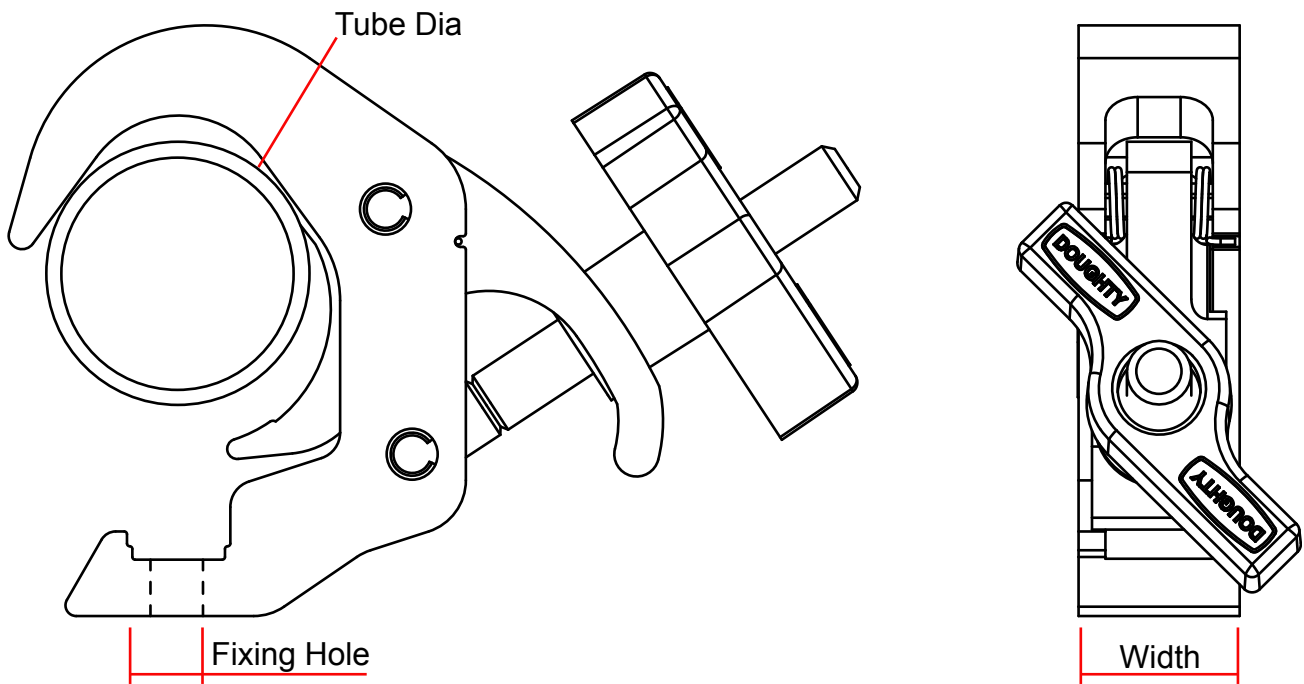
T58300	38-51mm	30mm	100Kg	Polished	Ø12mm	0.49Kg
T58301	38-51mm	30mm	100Kg	Black	Ø12mm	0.49Kg
T58300	38-51mm	30mm	100Kg	Polished	M12x45 Bolt / Wing Nut	0.57Kg
T58301	38-51mm	30mm	100Kg	Black	M12x45 Bolt / Wing Nut	0.57Kg

Titan Quick Trigger Clamps

T58500	48-80mm	30mm	100Kg	Polished	Ø12mm	0.69Kg
T58501	48-80mm	30mm	100Kg	Black	Ø12mm	0.69Kg
T58505	48-80mm	30mm	100Kg	Polished	M12x50 Bolt / Wing Nut	0.77Kg
T58506	48-80mm	30mm	100Kg	Black	M12x50 Bolt / Wing Nut	0.77Kg

The Baby Quick Trigger Clamps holds captive an M8 or M10 bolt head.

The Standard and Titan Quick Trigger Clamps hold captive an M10 or M12 bolt head.



Typical Clamp Example

10B = Year of Manufacture

i.e. - 09 = 2009

10 = 2010

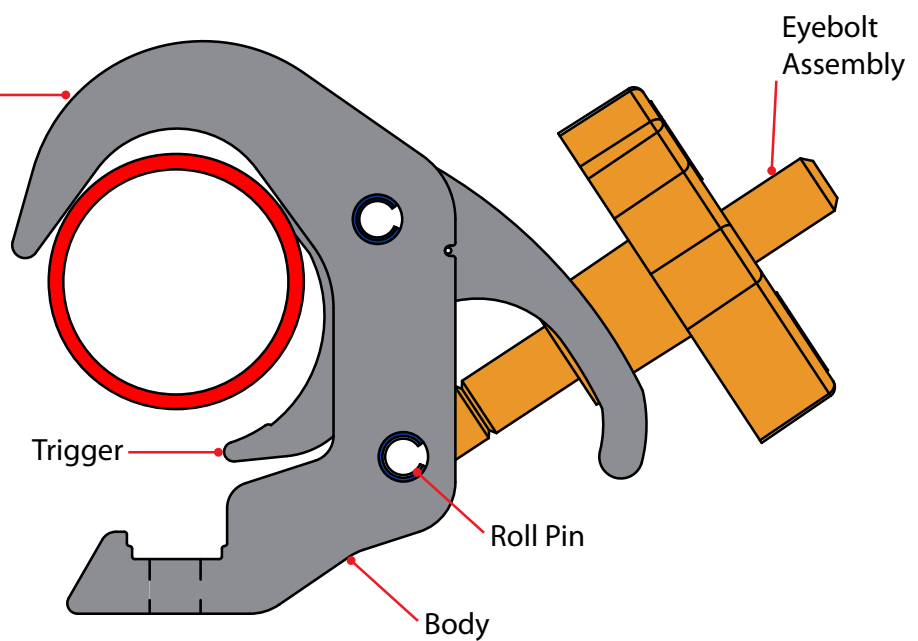
11 = 2011

Month of Manufacture

i.e. - A = Jan

B = Feb

C = March



Operation

Doughty Quick Trigger 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/coupler should be taken out of service and returned to an 'Approved Doughty Service Agent' for inspection. (See our Dealer Locator on our web site for a comprehensive list of Authorised Service Agents).

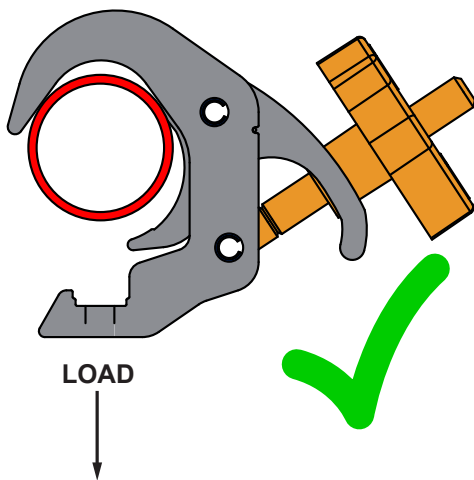
When installing Doughty clamps they should be tightened by hand only. Over tightening may result in the tube/truss being damaged or the coupler being damaged.

When installing/using Doughty clamps you must wear appropriate personal protection equipment suitable for the environment you are working in.

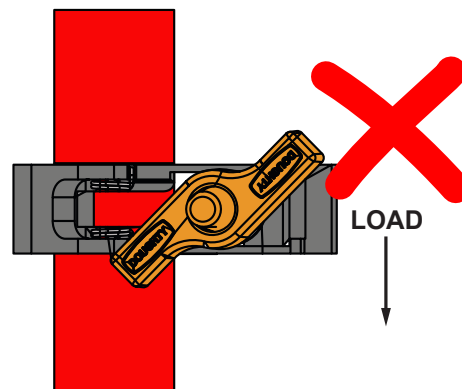
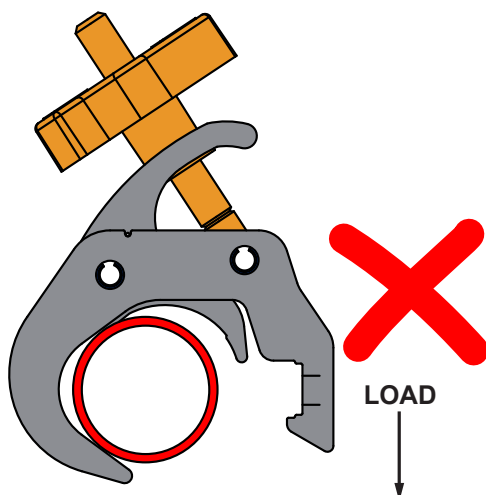
Never exceed the Max Load as indicated on the clamp and in this manual or Max Load as instructed by your installer, as the installation conditions may alter the Max Load that can be applied to the clamp.

When used in conjunction with any other accessories, care must be taken to ensure the Max Load of any component is not exceeded.

IMPORTANT - ALWAYS USE A SECONDARY SAFETY



DOUGHTY ENGINEERING LTD
ONLY RECOMMEND
VERTICAL LOADS WITH THE
QUICK TRIGGER RANGE



Maintenance

- Maintenance must only be carried out by approved personnel.
- Approved personnel must make regular checks of the product.
- 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.
- A full list of Approved Service Agents can be found on our website - www.doughty-engineering.co.uk.
- 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 is put into operation.



Warning

- The installer/operator must read and understand the Instruction Manual before using the equipment.
- Operators must 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.

Do's and Don'ts

Do ensure the clamp/coupler is only used by a competent person

Do ensure the clamp/coupler is kept in a clean operational condition

Do check the condition of the clamp/coupler regularly

Do use an Authorised Service Agent only for maintenance and repair

Do use a secondary safety

Do Not lift loads which exceed the Max Load of the weakest component in the assembly

Do Not attempt to lift loads which are greater than the Max Load of the clamp/coupler

Do Not lift people

Do Not lift loads above people

Do Not lift loads with any personnel in the lifting zone



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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.