

MTLD

Mass Timber Lifting Device

SIMPSON
Strong-Tie



A load rated timber lifting device for fast attachment and detachment

The MTLD Mass Timber Lifting Device provides a fast and efficient method for erecting panels and beams. It quickly attaches to and detaches from a single screw anchored into the mass timber element, saving time during the rigging process.

Features & Benefits

- Fast attachment and detachment
- Attaches with a single screw
- Load-rated with multiple screw options
- Screw installed with or without milled pocket
- Rated for loads up to 1.3t
- OSHA Section 1926.753(e)(2) compliant

Material

- Cast and forged steel

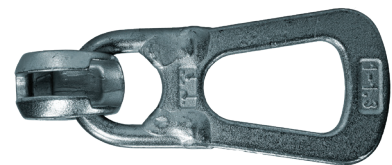
Finish

- Zinc plated

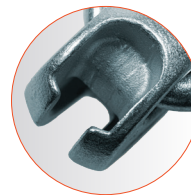
Corrosion Resistance Level
Low

Lifting Device Design and Installation

- See Lifting Device Design Guide (TEB-C-LIFTING) for general notes and design considerations pertaining to lifting device design and the MTLD.
- Do not use the MTLD until you have read all warnings, disclaimers, instructions and information in TEB-C-LIFTING, T-MT-MTLDUSE and strongtie.com/MTLD.
- A qualified design professional must specify screw - Options include Strong-Drive® ESCRFTC10.0x180, ESCRFTC10.0x220 & ESCRFTC10.0x240 (Note: Screw codes and sizes may vary from country to country). Screws may be installed with either drill motors or impact driver tools in accordance with L-F-MTINSTALL. See the next page for more details regarding recommended screws.



MTLD



The cast steel design is easy to slide on and off



Stamped with load class of 1.0-1.3t for ease of identification



Markings for traceability and evidence of compliance to the highest standards

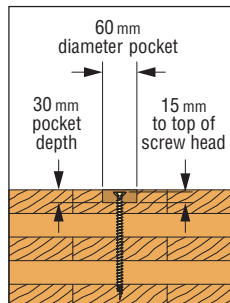
Simpson Strong-Tie® Australia
Call **1300 STRONG** (1300 787 664)
www.strongtie.com.au

Simpson Strong-Tie® New Zealand
Call **09 477 4440**
www.strongtie.co.nz

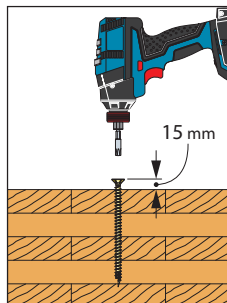
Simpson Strong-Tie Limited Warranty: For the Limited Warranty that applies to Simpson Strong-Tie products, please consult www.strongtie.com.au/warranty or www.strongtie.co.nz/warranty. To obtain a copy of the Limited Warranty, contact us at info.au@strongtie.com or info.nz@strongtie.com, or at the number provided here. The Limited Warranty contains important disclaimers, limitations and exclusions, and applies only if the products have been properly specified, installed, maintained, and used in accordance with the design limits and the structural, technical, and environmental specifications in the Simpson Strong-Tie Documentation. All future purchases of Simpson Strong-Tie products are subject to the terms of the Limited Warranty in effect as of the purchase date.

Typical Installation - Installation with screw at 90 degrees

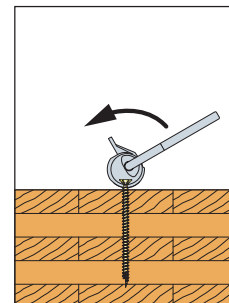
OPTIONAL: Mill a 60mm diameter pocket approximately 15mm to 30mm deep into the surface of the wood member to be lifted.



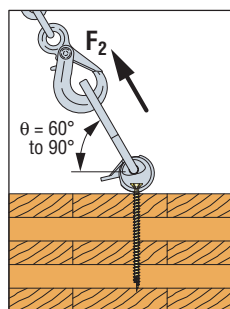
STEP 1: Install appropriate Simpson Strong-Tie ESCRFTC screw.



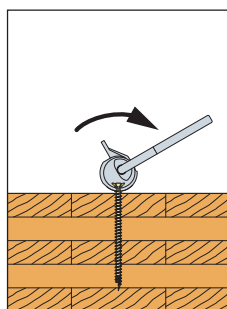
STEP 2: Attach MTLD to screw.



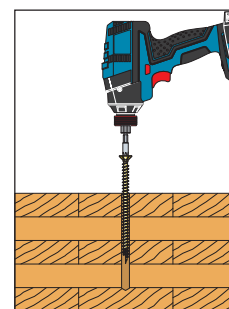
STEP 3: Attach rigging to MTLD and lift.



STEP 4: After lifting, detach the MTLD from screw.



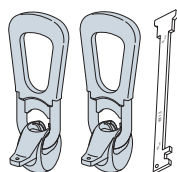
STEP 5: Remove screw or drive flush with surface.



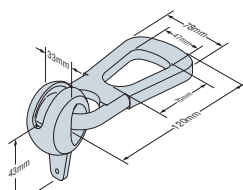
Product Information

Model No.	Description	Size (mm)	Individual Barcode	Pack Qty	Pack Weight
MTLD-R2	Mass Timber Lifting Device (2-Pack)	120 x 76mm	707392026709	2	1.48kg

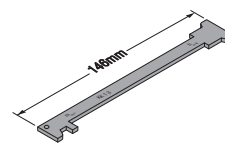
Note: The MTLD-R2 package includes the MTLD-GAUGE tool for dimensional checks of the MTLD



MTLD-R2 Pack Contents



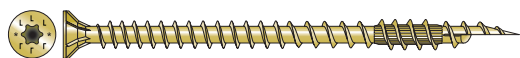
MTLD-R2 Dimensions



MTLD-GAUGE Dimensions

Partner Products

Model No.	Description	Bit	Barcode	Box Qty.
ESCRFTC10.0x180	ESCRFTC Fully Threaded Structural Timber Screw 10mm x 180mm	T-50	5701953219055	50
ESCRFTC10.0x220	ESCRFTC Fully Threaded Structural Timber Screw 10mm x 220mm		5015364079253	
ESCRFTC10.0x240	ESCRFTC Fully Threaded Structural Timber Screw 10mm x 240mm		5015364252410	



ESCRFTC

Note: Capacity will vary depending on the length of screw used, up to a maximum capacity of 1.3t. MTLD-R2E is an exact replacement and may be substituted at our discretion.