Technical Sheet

MTLD
Mass Timber Lifting Device

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

Material

- Steel
- Zinc electroplated

Applications

Advantage

- Fast attachment and detachment
- Attaches with a single screw
- Load-rated with multiple screw options
- Screw installed with or without milled pocket
- Directive 2006/42/EC on machinery compliant

Installation

- See Lifting Device Design Guide TEB-C-LIFTING-EU for warnings, installation instructions and information on rigging design considerations, loads, capacities, and maintenance of the MTLD.
- **Do not use the MTLD until you have read all warnings, disclaimers, instructions and information on this page and in technical bulletins TEB-C-LIFTING-EU and MANUAL-EU-MTLD.**
- **A qualified design professional must specify screw (SSH or fully threaded screw with countersunk head in diameter 12mm). Screws may be installed with drill motors in accordance with MANUAL-EU-MTLD.**

Technical Data

Product dimensions

Reference	Other dimensions data				
	Product Dimensions[mm]			Package content	Weight[kg]
	A	B	C		
MTLD-R2E	78	158	53	2 lifting devices, 1 gauge	0.93

Product allowable capacities - Installation without milled pocket

Reference	Installation tools capacity					
	Lifting capacity - Perpendicular screw - 1 screw					
	Allowable tension load[kg]					
	θ = 60°			θ = 90°		
	SSH12,0X100	SSH12,0X160	ESCRFTC12,0X260	SSH12,0X100	SSH12,0X160	ESCRFTC12,0X260
MTLD-R2E	244	486	975	282	561	1126

Other lengths are possible, the screw's capacity must be checked by a professional designer.

Product allowable capacities - Installation with milled pocket

Reference	Installation tools capacity		
	Lifting capacity - Perpendicular screw with milled pocket - 1 screw		
	Allowable tension load[kg]		
	60° ≤ θ ≤ 90°		
	SSH12,0X100	SSH12,0X160	ESCRFTC12,0X260
MTLD-R2E	282	561	1126

Other lengths are possible, the screw's capacity must be checked by a professional designer.

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