



A direct replacement for traditional 2.5mm thick restraint straps, the innovative design of these lightweight straps allows ease of handling and installation whilst maintaining the structural strength and robustness of much heavier weight types. The LES (light engineered strap) replaces traditional light restraint straps in roof construction. LES straps are less than 40% of the weight, quicker to fit, and overcome many fixing problems associated with traditional heavy straps. The LES is designed for vertical applications e.g. holding down wall plates.

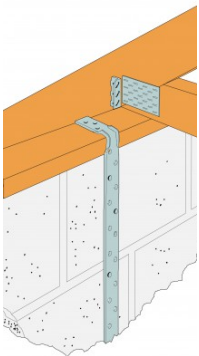
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## FEATURES

### Material

Pre-galvanised mild steel.

## APPLICATIONS



TECHNICAL DATA

LES Performance Values

References	Dimensions [mm]			Fasteners				Declared Load [kN]
	Overall Length	L1	L2	Masonry Wall		Wall Plate		
				Quantity	Specification	Quantity	Specification	
LES08B10	800	700	100	5	#12 x 50mm Wood Screw	3	3.75 x 30mm	4.0
LES10B10	1000	900	100	5	#12 x 50mm Wood Screw	3	3.75 x 30mm	4.0
LES12B10	1200	1100	100	5	#12 x 50mm Wood Screw	3	3.75 x 30mm	4.0

1. *3.75x30mm refers to a Galvanised or Sheradised Square Twist Nail*
2. *Wood screws to be plugged and screwed into the masonry*
3. *The lowest fixing is to be no more than 150mm from the bottom of the strap*

## INSTALLATION

### Installation

Fix LES strap to wall plate with 3 No. 3.75 x 30mm square twist nails and to masonry with 5 off # 12 x 50mm wood screws, plugged and screwed into masonry.

The lowest fixing should be located within 150mm of the bottom of the vertical strap.