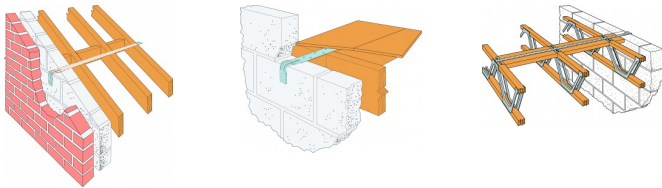




A direct replacement for traditional restraint straps, the innovative design of these lightweight straps allows ease of handling and installation whilst maintaining the structural strength and robustness of much heavier weight types. The HES (heavy engineered strap) & LES (light engineered strap) replace traditional heavy and light restraint straps in roof and floor construction. Reducing the thickness to 1.5mm allows the HES strap to span the bottom chords of trusses and over floor joists without the need for notching. HES 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.



[UK-DoP-h05/0001](#)

FEATURES

Material

- Pre-galvanised mild steel

Installation

Horizontal strap installation

- Approved Document A of the Building Regulations requires lateral restraint to be provided at each floor at a maximum of 2 metre centres
- Restraint straps “perpendicular” to the floor joists are required to be held tight against the masonry and fixed across the first 3 joists
- Restraint straps “parallel” to the floor joists are required to be held tight to the masonry and be at least 1200mm long
- The characteristic tensile strength for horizontal restraint straps should not be less than 8kN

Vertical strap installation

- Vertical strapping, at least 1 metre in length, should be provided at eaves level to hold down timber wall plates, at intervals not exceeding 2 metres

TECHNICAL DATA

HES - Product Dimensions

References	Installation Type	Dimensions [mm]					Holes		
		Overall Length	A	B1	B2	t	Flange B2	Flange B1	
							Ø4.1	Ø4.1	Ø6.1
HES06B10	Horizontal	600	38	500	100	1.5	3	8	8
HES08B10	Horizontal	800	38	700	100	1.5	3	12	12
HES10B10	Horizontal	1000	38	900	100	1.5	3	16	16
HES12B10	Horizontal	1200	38	1100	100	1.5	3	20	20
HES15B10	Horizontal	1500	38	1400	100	1.5	3	26	24

HES Performance Values

References	Fasteners			Characteristic Load [kN]
	Masonry Wall	Floor Joist or Rafter	Wall Plate	
HES	-	8 - N3.75x30	-	8

