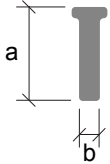
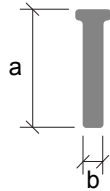


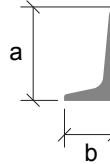
Shear Studs and HVBs



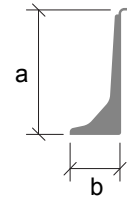
STUD95



STUD120



HVB95



HVB125

The above are the most typical options for use with SMD products. Other sizes are available.

Description

Headed shear studs can be directly welded, or through-deck welded, to the steel beam flange after the decking has been installed.

Benefits

- Transmit the horizontal shear force between the concrete and beam connection and are commonly used in the design and construction of composite beams.

Specification

- Shear studs manufactured in accordance with BS EN ISO 13918:2008
- Yield Strength - 350N/mm² (minimum)
- Tensile Strength - 450N/mm² (minimum)
- Elongation - 15% (minimum)

Product Properties

Product Details					
Product	Product	Application	a	b	Fixing
STUD95	Shear Stud	Welded	95mm (LAW)	19mm	Ferrules required
STUD120	Shear Stud	Welded	120mm (LAW)	19mm	Ferrules required
HVB95	Shear Connector	Mechanical	95mm	50mm	X-ENP-21 HVB
HVB125	Shear Connector	Mechanical	125mm	51mm	X-ENP-21 HVB

The above are the most typical options for use with SMD products. Other sizes are available.

LAW - Length After Weld

Description

The Hilti X-HVB shear connector is a mechanically attached shear transfer device for use in composite beam construction as a substitute for through-deck shear studs.

Benefits

- Unlike welded studs, HVBs can be installed to galvanised beams or in areas where a high fire risk exists.
- Fast and simple installation.
- No electrical power source required.

Specification

- Yield Strength - 295-350N/mm²
- Zinc coating - ≥ 3 µm