

## Technical data sheet

**SIMPSON**

**Strong-Tie**

HD3B

**Holdown anchor**

*HD3B is used to transfer tensile forces through the floors, to anchor purlins into masonry or concrete. The regulatory distance from the bolt to the edge of the wood is given by the height E1. Manufactured without weld, which guarantees better performance.*

## Features

### Material

- Galvanized steel G90 SS Grade 33 according to ASTM A-653.
- Base thickness: 11 mm.
- Body thickness: 2.5 mm.

### Benefits

- Can be set by pairs
- Holdown with low width
- For anchorage of timber frame structure
- 

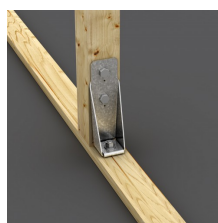
## Applications

### Header member

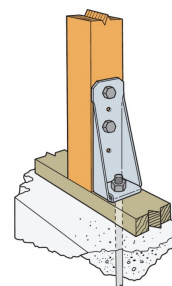
- **Porteur** : bois, béton,
- **Porté** : bois

### Applications

- Fixing timber stud



Fixation bois/bois



Fixation de montant sur dalle béton

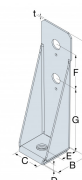
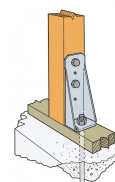
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HD3B  
Holdown anchor

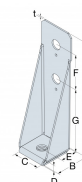
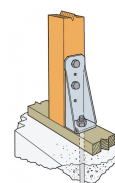
## Technical Data



### Product Dimensions

Fixation de montant sur dalle béton

References	Dimensions and drill holes [mm]								Joist	Holes flange B	Weight [kg]
	A	B	C	D	E	F	G	t	Ø16	Ø16	
HD3B	220	57	64	11	33	64	123	2.5	2	1	0.59



### Capacities

Fixation de montant sur dalle béton

Characteristic capacities - Timber C24 [kN]

References	Number of Fasteners				Characteristic capacities - Timber C24 [kN]
	Joist		Flange B		
	Qty	Type	Qty	Type	
HD3B	2	Ø16	1	Ø16	

For timber size of column  $\geq 100 \times 100$  mm

## HD3B Holdown anchor

### Installation

#### Fixing

##### **Concrete substrate:**

- *Mechanical anchor:* WA M16-110/5 pins.
- *Chemical anchor:* AT-HP resin + LMAS M16-170/20 threaded rod.

#### Installation

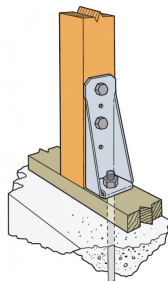
**Use all the specified fasteners. The drill hole clearance in the wood for bolts must be limited to 1 mm.**

**Use washers for nut on wood assemblies.**

**In the case of backed elements, the two pieces must be nailed together to act as a single piece.**



*Fixation bois/bois*



*Fixation de montant sur dalle béton*

HD3B  
Holdown anchor

