Technical Sheet

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

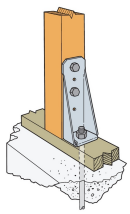
- **Porteur** : bois, béton,
- **Porté** : bois

Applications

- Fixing timber stud



Installation 1



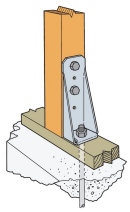
Installation 2



HD3B



Installation 1



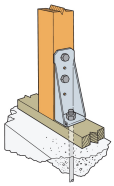
Installation 2

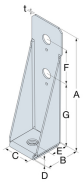
Technical Sheet

HD3B
Holdown anchor

Technical Data

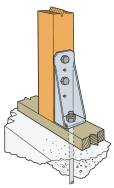
Product Dimensions

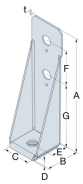




Reference	Connector Dimensions										
	Product Dimensions[mm]								Joist	Flange B	Other
	A[mm]	B[mm]	C[mm]	D[mm]	E[mm]	F[mm]	G[mm]	t[mm]	Round Ø16	Round Ø16	Weight[kg]
HD3B	220	57	64	11	33	64	123	2.5	2	1	0.59

Capacities





Reference	Holdowns capacity				
	Product capacities - Timber to Concrete				
	Number of Fasteners				Capacities[kN]
	Joist		Flange B		$R_{1,k}$
	Qty	Type	Qty	Type	
HD3B	2	Ø16	1.0	Ø16	15.6

For timber size of column ≥ 100x100 mm

Installation

Fixing

Concrete substrate:

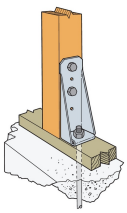
- *Mechanical anchor*: WA M16-110/5 pins.
- *Chemical anchor*: AT-HP resin + LMAS M16-170/20 threaded rod.

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.



Installation 1



Installation 2

Copyright by Simpson Strong-Tie®