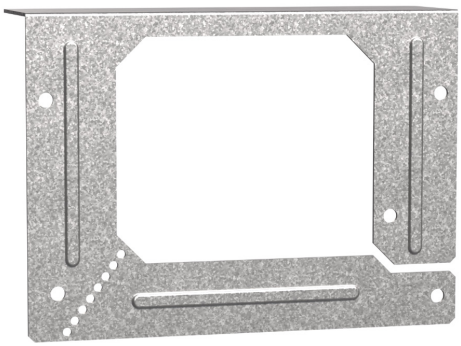
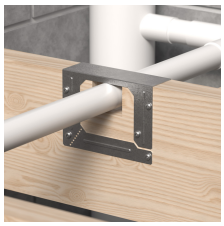
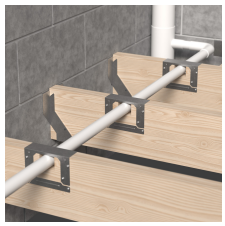
Technical Sheet

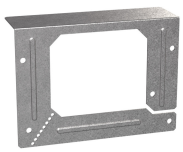
SNRK
Solid Joist Notch Reinforcement Kit

Reinforces solid timber joists where they have been notched to allow electrical and water services to pass through them. The kit includes five brackets and screws - enough to reinforce five floor joists and protect pipes and cables from the risk of damage from subfloor fastenings.









Solid Joist Notch Reinforcement Bracket

Applications

Features

Commonly the case in bathrooms, notching out solid timber joists allows plumbing pipes and cables to pass through the floor structure - however doing so weakens the joist and exposes services to accidental damage from screws or nails coming from above.

The kit includes an engineered steel reinforcement bracket with a bendable leg so it can easily be installed around existing services and onto the joist to help strengthen the joist at the notch point. The top plate covers the notch to ensure that screws used to flx the flooring to the joists will not penetrate pipes or cables beneath.
Sufficient for five notched floor joists, the kit includes:

- 5 x **SNRB75** Solid Joist Notch Reinforcement Plates
- 28 x Simpson Strong-Tie 4x30mm screws

Advantages

- Reinforces solid timber joists with notches to allow services to pass through
- Can be retro-fitted to existing floors or installed to new ones in the same short time frame
- In the event of another installer adding fixings to the floor at a later date, the top plate provides an early warning to avoid accidentally penetrating pipes or cables
- A convenient solution for up to 5 notched floor joists

Material

Pre-galvanised mild steel

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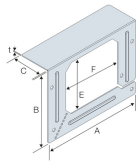
Technical Data



Product Dimensions

Reference	Connector Dimensions								
	Product Dimensions[mm]						Holes[mm]	Number of Fasteners	
	A[mm]	B[mm]	C[mm]	Thickness[mm]	E[mm]	F[mm]	Round Ø5	Qty	Type
SNRK	150	109	45	1.2	76	90	5	5.0	CSA4.0x30

Note
When installed correctly, can acheive 75% of joist performance vs solid joist with no notch (applies only for a 195x47mm joist with 1 x 45x45mm central notch, when tested to BS EN 408)
Please use fasteners provided only

Installation

Install with new, or retrofit to existing floors

Step 1 - Carefully mark out and cut the notch.
Step 2 - Insert the pipework/services as required.
Step 3 - Bend the flexible tab outwards and position the bracket over the in-situ pipework/services centrally over the notch in the timber - the flexible relief tab makes it easy to put into place. The protective plate should cover the top of the notch.
Step 4 - Bend the relief tab inwards against the joist and fasten the bracket into the face of the joist using the screws included in the kit.
Step 5 - When re-installing the floor boards, ensure the fixings provide adequate clearance around the pipes (to avoid accidental penetration of the fixing into the pipes) and then drill, and screw, the floorboards through the top plate of the SNRK, ensuring the boards are suitably fixed down.
Note: fill all 5mm holes with supplied fasteners.

Step 1: Carefully mark and cut out the notch in the joist.

Step 2: Insert the pipework/services as required

Step 3: Position the SNRB bracket with the protective plate covering the top of the notch.

Step 4: Bend the relief tab inwards against the joist and fasten the bracket using 5 screws (included with the kit) into the face of the joist.

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