

# SFJC Safety Fast Joist Cap

The SFJC is an innovative and unique product which enables a safe, practical and robust solution that satisfies the requirements of 'Approved Document B & L' of the Building Regulations.

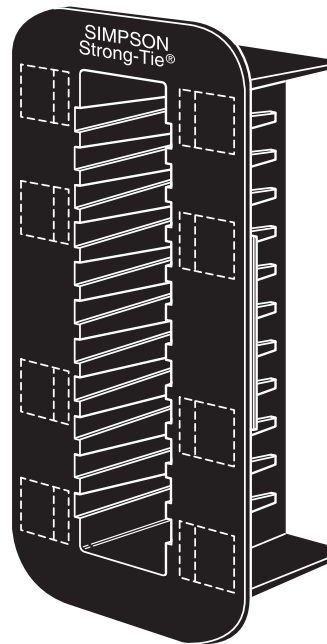
The SFJC is designed to be used where timber joists are built into a masonry external wall and eliminates the air leakage problems associated with shrinkage of timber joists. It also provides resistance to fire for up to 60 minutes when gaps are filled in with mineral wool.

- SFJC305/50, SFJC305/100 and SFJC225/100 models accommodate a large range of joists types and sizes.
- SFJC225/50 specifically designed for 50mm solid sawn joists up to 225mm deep.
- Air leakage around the joist end is eliminated.
- Wide face flanges provide an air tight seal.

**MATERIAL:** Black Polypropylene.

The SFJC does not provide any lateral stability to the joists during construction phase. It is therefore necessary to install temporary bracing in accordance with the joist manufacturers instructions and/or standard construction practice, to ensure temporary stability of the floor joists.

- Place floor joist onto wall and adjust to ensure correct bearing at each end.
- Lift the floor joist and install SFJC over the end of the joist, ensuring the SFJC face flanges are tight against the inner face on the masonry wall.



**SFJC**

PATENT GB2392928,  
GB2393459



### SFJC225/50: SOLID SAWN JOISTS

- Solid sawn joists up to 50mm wide and 225mm high can be installed directly into the SFJC225/50.

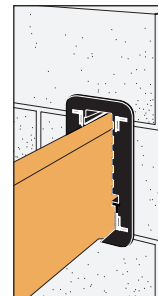
### SFJC305/50 & SFJC225/100: SOLID SAWN JOISTS

- Solid sawn joists up to 50mm wide and 300mm high can be installed directly into the SFJC305/50. For narrower joist widths use the wedge cut outs to pack the joist.
- Nail in place with 2 No 3.75 x 30mm square twist nails per plate.

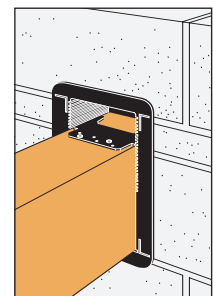
### SFJC305/100 & SFJC225/100: SOLID SAWN JOISTS

- Steel joist plates slides into the slots within the SFJC and are fixed to the top and bottom of the floor joists.
- Nail in place with 2 No 3.75 x 30mm square twist nails per plate.
- Install horizontal restraint straps at maximum 2m centres
- Nail to the timber joists with 8 No 3.75 x 30 square twist nails.
- Build up masonry between SFJC and continue with wall construction.
- Ensure all joints between the masonry and SFJC are fully filled with mortar.
- With the SFJC305/50 check the tightness of the wedges once wall is completed.
- If necessary, hammer wedges in tight and adjust retaining nail.
- Also if necessary, fill the void around the joist with mineral wool or expanding foam.

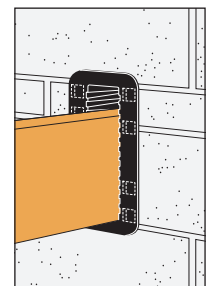
### Typical SFJC225/50 Installation



### Typical SFJC305/100 Installation



### Typical SFJC305/50 Installation



Model No.	Dimensions (mm)		Hanger Dimension (mm)			Solid Sawn Joist Sizes (mm)	
	Width	Height	Width	Height	Web	Width	Height
SFJC225/50	50	225	-	-	-	50	up to 225
SFJC225/100	100	225	-	-	-	100	
SFJC305/50	50	305	up to 50	up to 302	9 to 12	up to 50	up to 300
SFJC305/100	100	305	up to 100			up to 100	

1. 2 No SFJC Wedges supplied with each SFJC305/50.
2. 2 No Steel Joist Plates supplied with each SFJC305/100 and SFJC225/100.