

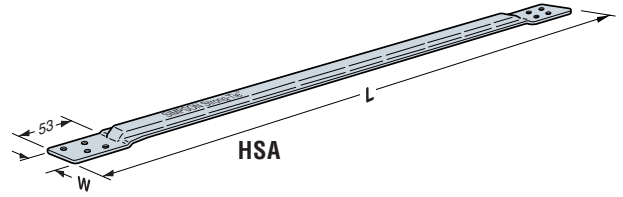
HSA *Herringbone Joist Struts*

Superior alternative to unreliable, slow and costly timber struts. Meets bracing requirements for long span domestic floors.

MATERIAL: 1.0mm pre-galvanised mild steel.

INSTALLATION: Use all specified fasteners. See "General Notes" (page 12).

- Generally required at centre of span when floor joists exceed 2.5 metres. Spans exceeding 4.5 metres require two rows spaced at 1/3 and 2/3span.
- HSA come sized to suit joist centre spacing of 400,450 & 600mm.
- See tables for spacing. Common model width 30mm.

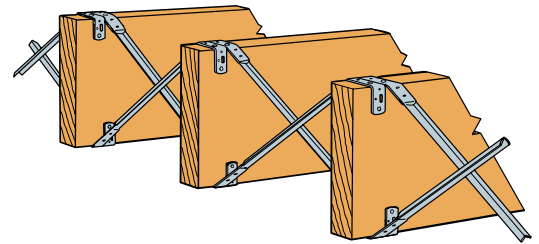


Product Selection Guide

Model Table

Joist Size (mm)	Spacing (mm)			Model No.	Length (mm)	Qty Fasteners (3.35mm x 65mm) Per End
	400	450	600			
50 x 175	HSA400	HSA450	HSA600	HSA400	480	2
50 x 200	HSA400	HSA450	HSA600	HSA450	530	2
50 x 225	HSA400	HSA450	HSA600	HSA600	660	2

Typical HSA Installation



FB/LSTA/LTS/MTS *Strap Ties*

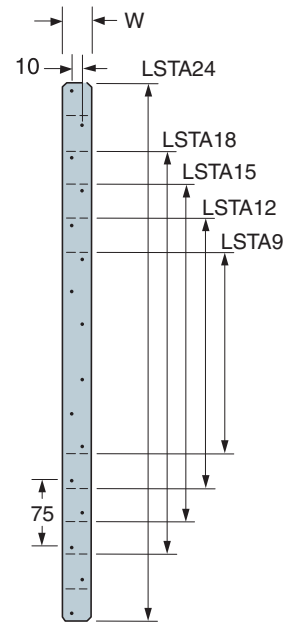
Twist straps provide a tension connection between two wood members.

- Install strap ties where tension connections are required. Commonly used as ridge ties and at wall intersections.
- FB fixing band is for all general light strapping needs. Perfect for DIY, industrial and agricultural applications. Comes in convenient 10 metre rolls.

MATERIAL: See table; Pre-galvanised mild steel (FB20S: Stainless steel).

INSTALLATION: Use all specified fasteners. See "General Notes" (page 12).

- FB can be easily bent or twisted for many versatile installations. No load rating provided, and not recommended for structural applications.
- Members must have the same number of installed nails at each end. Otherwise, the load is limited by the least number of nails in either member.



Model No.	Material Thickness	Dimensions (mm)		Qty Fasteners (3.75mm x 30mm)	SWL (Long Term)	Characteristic Capacity (kN)
		Width	Length			
Twisted Straps						
LTS18	1.2	32	457	12	2.07	2.89
MTS12	1.5	32	302	12	2.41	4.02
Straight Straps						
LSTA9	1.0	32	228	8	1.40	-
LSTA18	1.0	32	457	14	2.45	-
LSTA24	1.0	32	610	18	3.15	-
FB20	0.9	20	10M	-	-	-
FB20S	0.9	20	10M	-	-	-

