

## Technical data sheet

**SIMPSON**

**Strong-Tie**

### HSA Herringbone Joist Strut

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

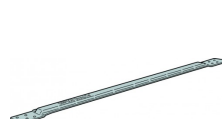
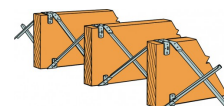
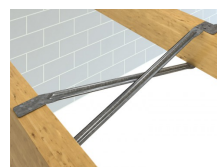
## Features

### Material

- Pre-galvanised mild steel.

### Features

- Generally required at centre of span when floor joists exceed 2.5 metres.
- Spans exceeding 4.5 metres require two rows spaced at  $\frac{1}{3}$  and  $\frac{2}{3}$  span.
- HSA come sized to suit joist centre spacing of 400, 450 & 600mm.
- See tables for required spacings.



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## Technical Data

## Product Dimensions

| References | Dimensions [mm] |     |    |    |   | Holes |       |
|------------|-----------------|-----|----|----|---|-------|-------|
|            | A               | B   | C  | D  | t | End C | End D |
|            |                 |     |    |    |   | Ø4.1  | Ø4.1  |
| HSA400     | 27              | 480 | 53 | 53 | 1 | 4     | 4     |
| HSA450     | 27              | 530 | 53 | 53 | 1 | 4     | 4     |
| HSA600     | 27              | 660 | 53 | 53 | 1 | 4     | 4     |

To suit joist sizes 50x175, 50x200 & 50x225

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## Technical Notes

### Selection Guide

| Joist Size [mm] | References         |        |        | Fasteners |          |
|-----------------|--------------------|--------|--------|-----------|----------|
|                 | Joist Spacing [mm] |        |        | End C     | End D    |
|                 | 400                | 450    | 600    | N3.75x30  | N3.75x30 |
| 50x175          | HSA400             | HSA450 | HSA600 | 2         | 2        |
| 50x200          | HSA400             | HSA450 | HSA600 | 2         | 2        |
| 50x225          | HSA400             | HSA450 | HSA600 | 2         | 2        |

