

# Wall Isolation Type SB Series

## Light Duty Resilient Stud Wall Tie

### APPLICATION

The SB series, designed for axial loads only, is used for resiliently connecting stud walls (SB06) together, or stud to joist (SB03). The SB series is useful where a cheap, light duty solution is required. Resilient wall ties reduce the transmission of vibration and noise through wall cavities while providing structural support between frame members. Suitable for residential developments.

### FEATURES

- Resilient polyurethane foam isolating element

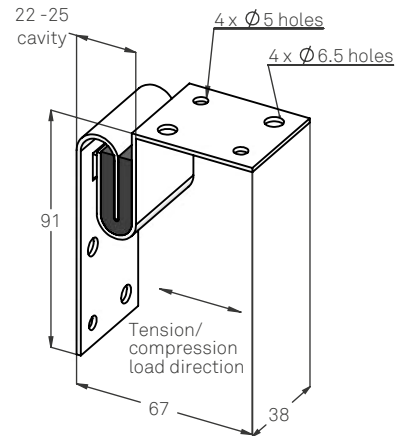
### PERFORMANCE CHARACTERISTICS

#### SB03

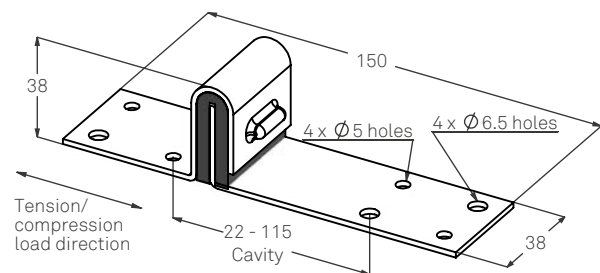
- Maximum Load: 250N at 2.3mm deflection.

#### SB06

- Maximum Load: 400N tension, 480N compression.



**SB03 DIMENSIONS**



**SB06 DIMENSIONS**

## WALL TIE SELECTION

When selecting wall ties, it is recommended that the calculated wall load is overestimated by 10-20% to avoid overloading of any element.

### SB03 INSTALLATION

1. Secure one arm to a timber or steel joist using the minimum fixing No. 12 Type 17 screw.
2. Attach other arm to stud or joist using appropriate fixings.
3. Use a wall tie spacing of no more than 600x600mm. Around openings and control joints the spacing should be halved.

### SB06 INSTALLATION

1. Secure each end of SB06 to both studs using the minimum fixing of No. 12 Type 17 screws.
2. Use a wall tie spacing of no more than 600x600mm. Around openings and control joints, the spacing should be halved.

## TECHNICAL ASSISTANCE

All Embelton offices can provide detailed technical assistance on the use of this product in specific applications.

## CONDITIONS OF SALE

These products are sold subject to the published Embelton General Conditions of Sale, copies of which may be inspected on request.



**SB03 INSTALLATION**



**SB06 INSTALLATION**

## SPECIFICATION

Stud wall supports shall incorporate a resilient polyurethane foam isolating element in combination with a sturdy steel bracket. They shall be type SB as supplied by Embelton.