MiTek®

PRODUCT INFORMATION

MiTek bearing shear plate

Horizontal force transfer solution for connecting timber trusses to reinforced concrete structures

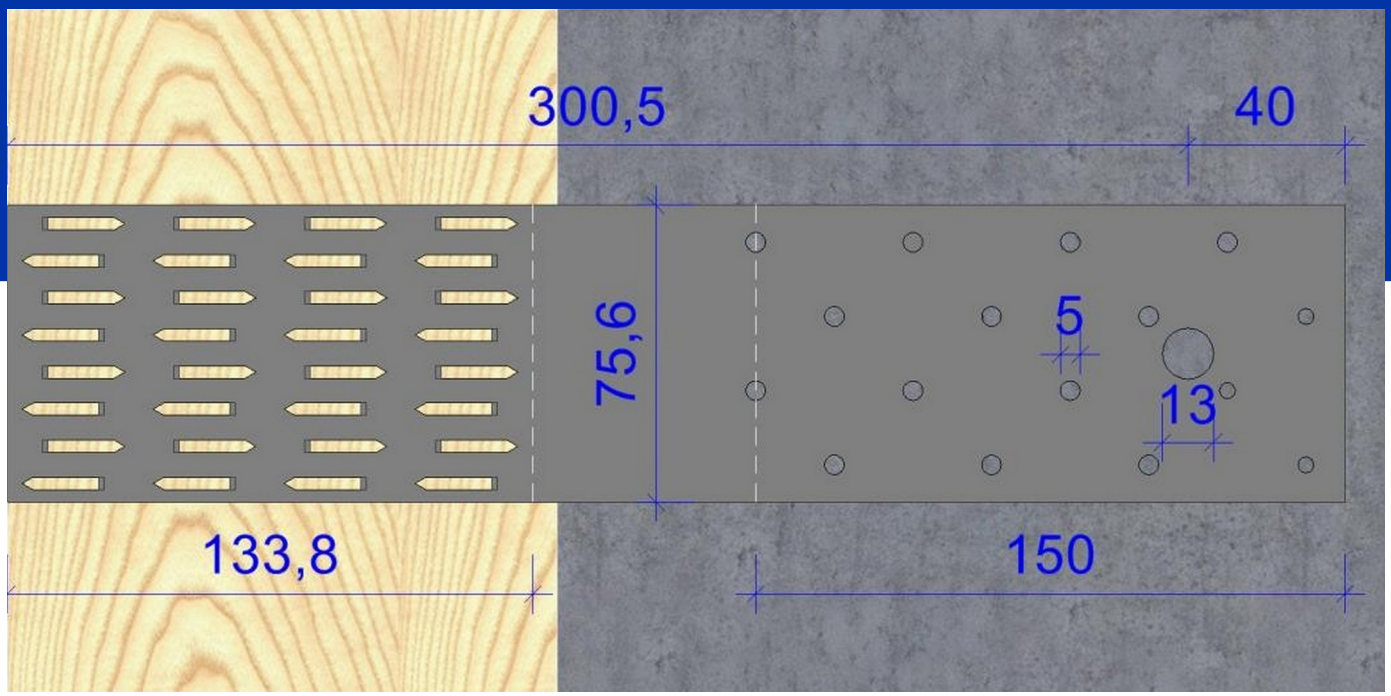


Figure 1. Dimensions of the MiTek bearing shear plate, mm. Overall dimensions: 75.6 × 340.5 mm; thickness: 2 mm.

APPLICATION

Purpose of the plate

The MiTek bearing shear plate is a specially designed connection component that provides reliable transfer of horizontal forces from roof trusses and timber supports to reinforced concrete floor structures.

Product benefits

- → Reduced risk of concrete edge damage
- → Efficient horizontal load transfer
- → Quick and easy installation
- → Tested and verified design
- → Compatible with MiTek systems

≥ 140 mm

MINIMAL SUPPORT WIDTH

≤ 100 mm

MAXIMUM DISTANCE TO ANCHOR HOLE

©2026 MiTek Inc. All rights reserved, including the right to reproduce this publication or any part thereof in any form.

TECHNICAL INFORMATION

Installation and load transfer

Application Examples

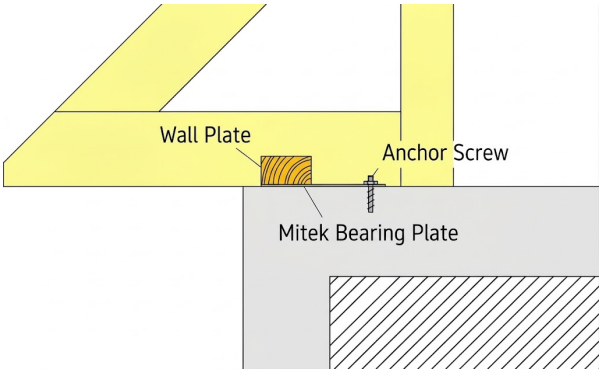


Figure 2. Standard fixing detail for an attic truss using a MiTek bearing shear plate.

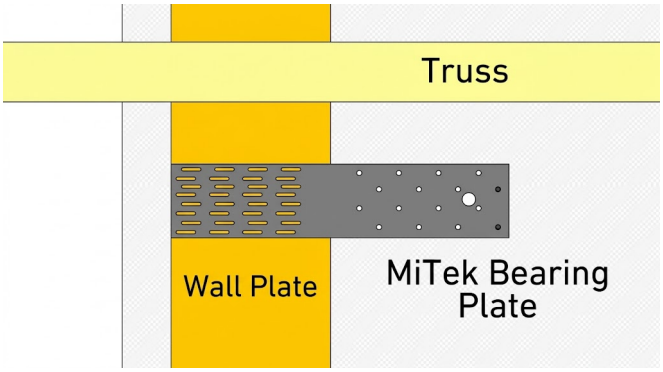
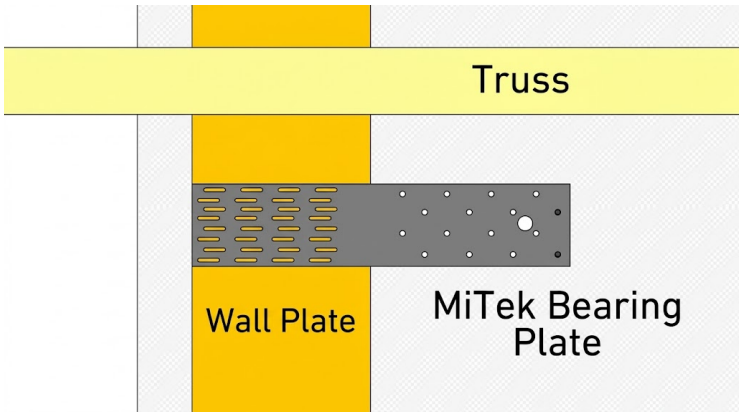


Figure 3. Standard fixing detail for an attic truss, top view.

Installation Requirements



- Minimum support (wall plate) width, b_0 = 140 mm
- Maximum distance to the anchor hole = 100 mm

Figure 4. Positioning of the MiTek bearing shear plate.

Horizontal force transfer

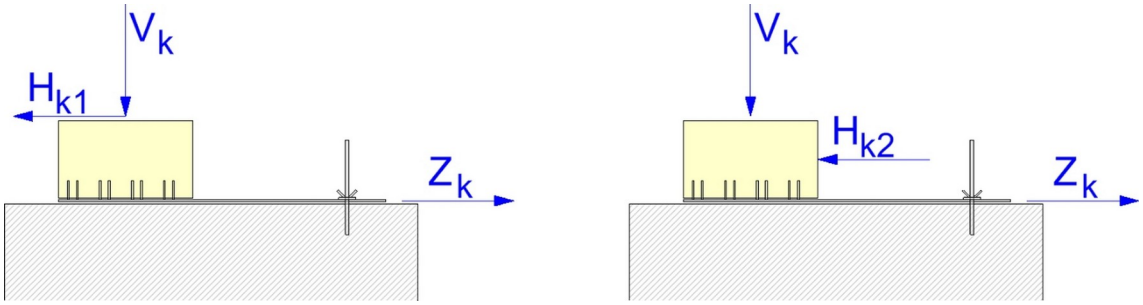


Figure 5. Transfer of horizontal support forces: Hk1 through the rafter heel connectors; Hk2 through bearing contact pressure.

Why choose MiTek Baltic?

Certified Solutions

Technical Support

Verified Connections

Complete Truss System Solutions

CONTACT US
support.baltic@mii.com

©2026 MiTek Inc. All rights reserved, including the right to reproduce this publication or any part thereof in any form.