

T-Spot Shore (metal)

Scope

This document details the method of construction of a metal (Paratech) T-Spot shore and describes the capacity and limitations of use.

Description

The T-Spot shore consists of a timber header and sole plate with a metal strut used to provide the load bearing capacity between the two.

Use

- Stability: Class 1 shore
- The shore is used for the initial stabilisation of damaged floors, ceilings and roofs to enable subsequent shoring to be constructed at reduced risk.
- The header and sole plate are kept short to minimise tipping.
- In buildings of traditional construction, headers and sole plates are positioned Bullets across timber ceiling and floor joists.

Construction – Components

Header and sole plate	C16 Grade or higher grade structural timber 100mm x100mm (nominal) x length required (maximum 900mm).
Metal struts	As required
Extensions	As required
Base plates	As required – fixed or 20° swivel
Nails and fixings	As required

Construction - Assembly

1. Survey the area and determine the best way to mitigate the hazard and damage.
2. Clear debris from the area to be shored.
3. Measure the space to be shored.
4. Cut header and sole plate to length.
5. Select appropriate metal struts.
6. Select appropriate extensions.
7. Select appropriate base plates.
8. Construct shore as much as possible in a safe area.
9. Erect the shore in the predetermined spot.
10. Secure shore to floor and ceiling using appropriate fixings.

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Capacity and Limitations

- The capacity of the shore will be determined by the type and length of struts used and the bearing area of the timber/base plate connections.
- Shorers should always work to the 4:1 scale when determining the struts that are required to support the load safely.
- The stability of the T-spot shore depends on its connections to the floor and ceiling.
- The two types of strut (grey and gold) must not be mixed when constructing the shore.
- Maximum extensions permitted:
 - Grey – 2 extensions to a maximum of 900mm
 - Gold – 1 extension
- Shores must be checked periodically during operations to ensure they are still fulfilling their function.
- This equipment should only be operated by suitably trained personnel.

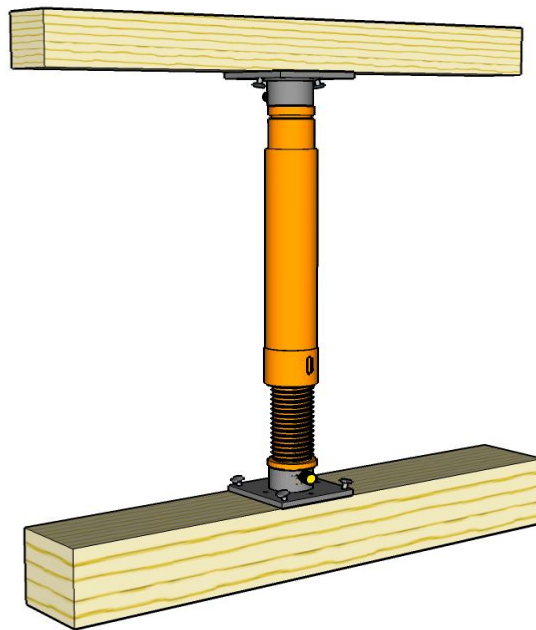


Figure 1 [SOP_SHO016]

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