

## Ad-Hoc Flying Raker Shore (metal)

### Scope

This document details the method of construction of a metal (Paratech) ad-hoc flying raker shore and describes the capacity and limitations of use.

### Description

The ad-hoc flying raker shore is a metal shore consisting of wall plate, raker rail and base plate.

### Use

- Stability: Class 1 shore.
- This shore is used to temporarily support unstable structural elements such as leaning walls and is put in place to provide a level of protection while a more permanent shore can be constructed.
- It is used when access to the load is restricted due to an immovable object.

### Construction - Components

1 x wall plate
2 x rail latch base adapters
2 x Gold long-shore struts
Extensions as required
1 x raker junction
1 x 300mm base plate
1 x angle base
Fixings as required

### Construction – Assembly

1. Survey area and determine the best way to mitigate the hazard and damage.
2. Clear debris from the area to be shored.
3. Construct the shore in a safe area.
4. Select appropriate gold struts and extensions for the top and bottom raker struts.
5. Attach rail latch bases to each end of the wall plate.
6. Attach both struts to the raker junction and wall plate
7. Connect the 300mm base plate to the raker junction.
8. Erect the shore in the predetermined spot.
9. Anchor the wall plate to the wall using appropriate fixings.

Date	Status	Document Number	Version	Page
September 2006	Completed	ND_USAR_SOP_SHO022	1.0	Page 1 of 2

10. Place an angle base behind the 300mm base plate. Back up as required ensuring the system is attached firmly to an immovable object or is securely fastened using ground anchors (spikes).

### Capacity and Limitations

- The capacity of the system will depend on the components used to construct it. Use the information panel within the wall plate to give the correct figures for the system. The fixings used will also have an effect on the capacity
- The shore, although a temporary structure, still requires to be fixed in position.
- The shore is also required to be fixed at its base. The quality of this fixing will affect its ability to support a load.
- Shorers should always work to the 4:1 scale when determining the struts that are required to support the load safely.
- Maximum extensions permitted – Gold – 1 extension.
- The load must be supported as gently as possible; on no account should the shore have a pushing effect on the structure.
- The ad-hoc version has a limited working height compared to the standard flying raker shore due to the limitations of its component parts.
- This equipment should only be operated by suitably trained personnel.

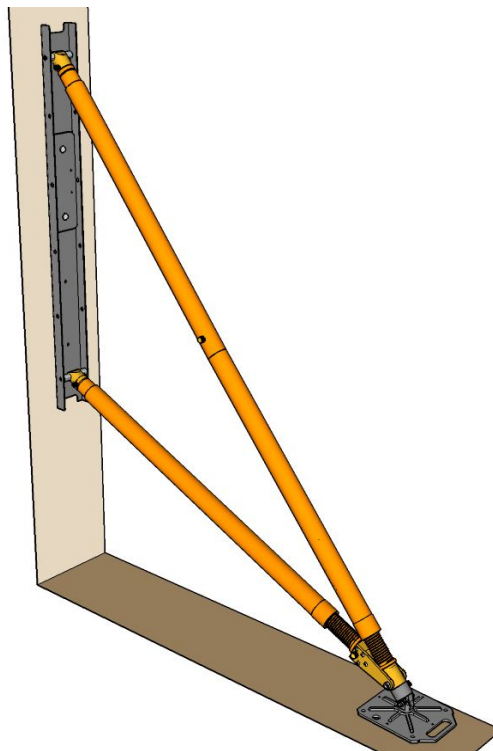


Figure 1 [SOP\_SHO022]

### References

Paratech Manual

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Date	Status	Document Number	Version	Page
September 2006	Completed	ND_USAR_SOP_SHO022	1.0	Page 2 of 2