

## Flying Raker Shore B23 (metal)

### Scope

This guidance document details the method of construction of a metal (Paratech) Flying Raker B23 shore, and describes the capacity and limitations of use.

### Description

The flying raker is a temporary shore that is put in place to provide a level of protection while a more permanent shore can be constructed.

### Use

- Stability: Class 1 shore
- This shore is used as temporary support for unstable structural elements, such as leaning walls.
- It is used when access to the load is restricted to an obstruction.
- This shore should not be tied into any other shore, as its failure could compromise the permanent system.

### Construction – Components

1 x Wall plate
2 x Rail latch base adapters
1 x Gold long shore struts
Extensions as required
1 x B23
Fixings as required

Date	Status	Document Number	Version	Page
December 2006	Completed	ND_USAR_SOP_SHO023	1.0	Page 1 of 3

## 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. Construct the shore in a safe area.
4. Select gold strut and appropriate extension for the raker strut.
5. Select appropriate wall plate.
6. Attach rail latch bases to each end of the wall plate.
7. Attach strut to the wall plate and connect the B23 to the raker strut using the attachment.
8. Connect the 300mm base plate to the raker.
9. Erect the shore in the predetermined spot.
10. Anchor the wall plate to the wall using appropriate fixings.
11. Ensure the base plate is firmly fixed to the ground.

## 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, should still 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.
- Shores must be checked periodically to ensure that they are fulfilling their function throughout operations.
- This equipment should only be operated by suitably trained personnel.

Date	Status	Document Number	Version	Page
December 2006	Completed	ND_USAR_SOP_SHO023	1.0	Page 2 of 3

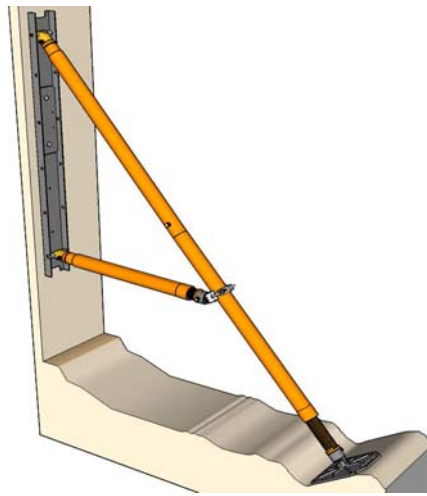


Figure 1 [SOP\_SHO023]

## References

Paratech Manual

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Date	Status	Document Number	Version	Page
December 2006	Completed	ND_USAR_SOP_SHO023	1.0	Page 3 of 3