

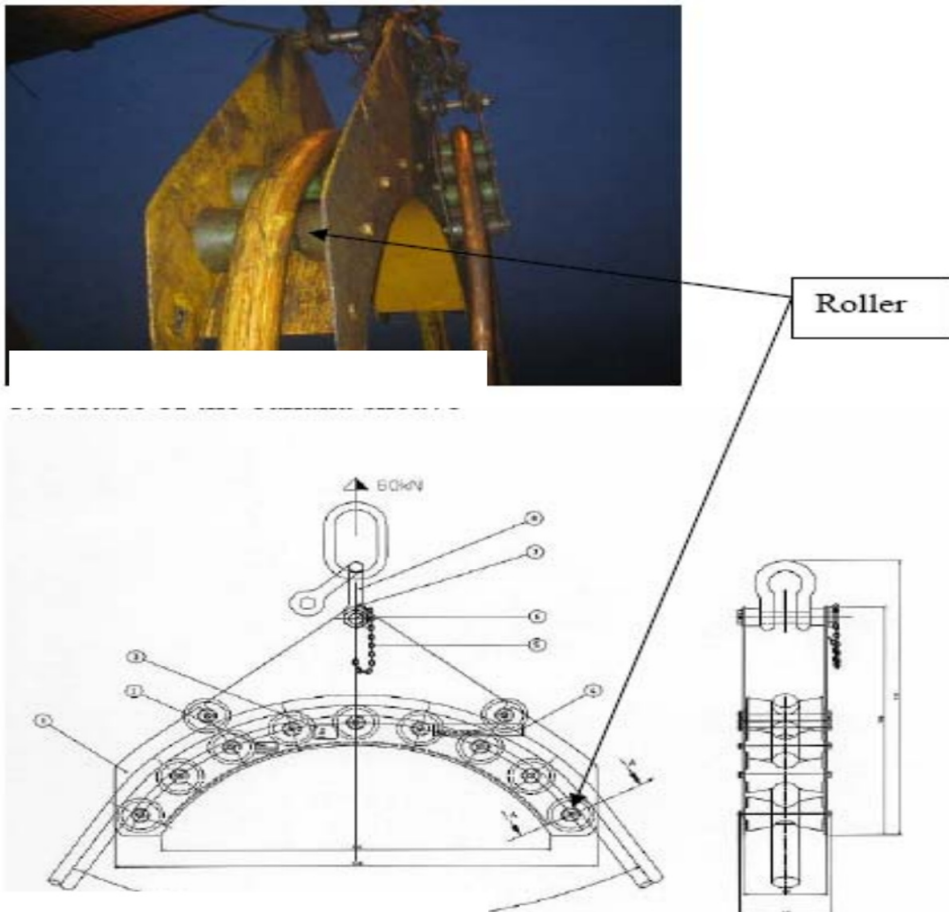
## Object falling from height

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IMCA has received a report of an incident wherein a 'banana sheave' roller weighing 4.5 kg came loose during operations.

### What happened?

The roller fell some 24 metres from the derrick and hit the drill floor. Nobody was injured.



2. Drawing of the banana sheave

### What were the causes?

The **immediate cause** of the accident was identified as being that the bolts which attached the rollers to the sheave had loosened.

The **underlying causes** were noted as:

- insufficient design

- insufficient maintenance
- lack of documentation and drawings describing that the sheaves should be function tested
- insufficient description of responsibility for involved personnel
- insufficient maintenance management and follow-up relating to lifting equipment.

## Lessons learnt

The following points were noted:

- Lifting equipment should be examined and valid certificates for equipment in use should be presented.
- Inspection and maintenance should be performed on all sheaves that are in operation, with nuts and bolts inspected.
- All bolts on rollers should be fitted with protective pins to stop the bolt from loosening;
- The contractor's planned maintenance management system in place should be reviewed accordingly.

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