



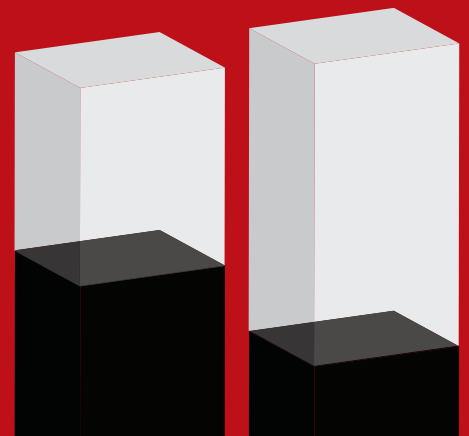
**STRONGHOLD™**  
BY TY-FLOT

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# Dropped Objects Report

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Overview of Incidents and Lessons Learned



# Tape Measure On a Construction Site

<http://www.foxnews.com/us/2014/11/04/man-killed-at-construction-site-by-tape-measure-that-fell-50-stories.html>

## The Story

A 1-pound tape measure was dislodged from the belt of a construction worker while performing work an estimated 50 stories (500 ft.) above ground. The tape measure dropped nearly 485 ft. before ricocheting off some equipment and striking a delivery man who was not wearing a hardhat. Tragically, this incident caused a fatality.

## The Problem

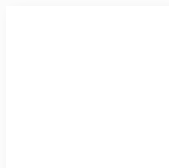
\*As identified by the source article

A hard-hat wasn't worn.

## Questions Not Considered

- Were debris netting and/or toe boards in place?
- Were tool lanyards a requirement on site?
- Was the tool tied off?
- Were blockades in place to restrict access to drop zones?
- Was ricocheting properly anticipated?

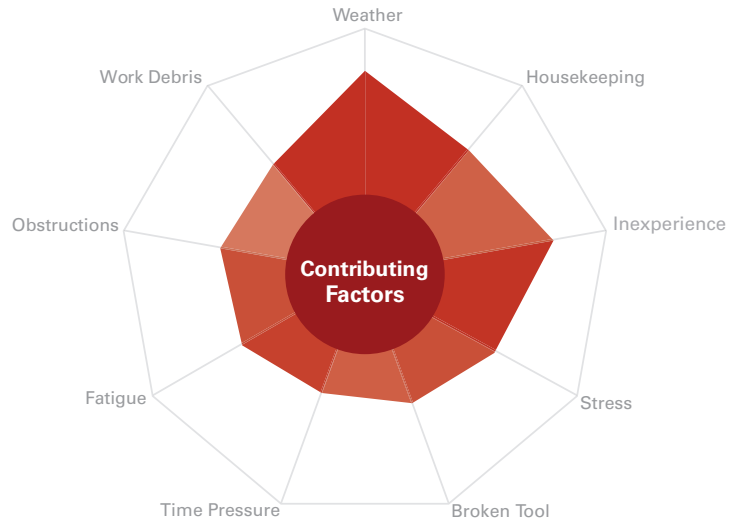
## Dropped Objects Prevention Supplies Would Have Helped?



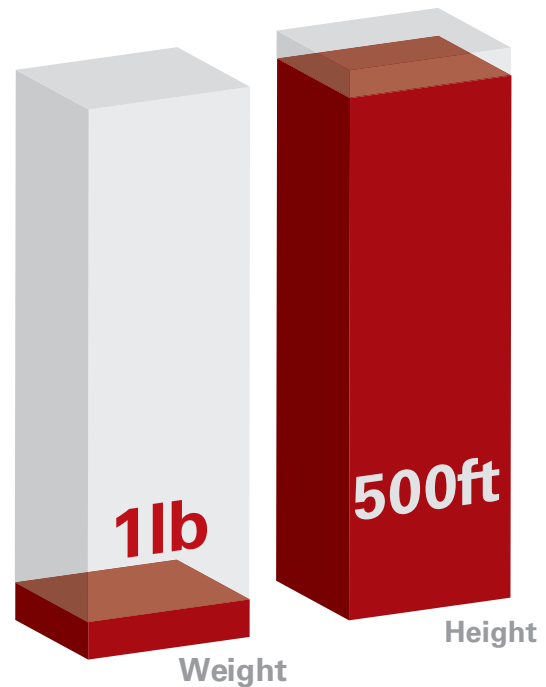
No



Yes



Actual Injury In Red



# Shop Hammer In a Workbasket

<http://www.iadc.org/safety-alerts/alert-14-27-dropped-object-hammer-kicked-work-basket/>

## The Story

A worker was using a 5-pound shop hammer while completing operations inside a workbasket. When finished, the worker placed the hammer on the floor of the workbasket. While moving and working at height the 5-pound hammer was accidentally kicked out of the basket. The hammer fell approximately 10 feet, where it struck another employee on the hardhat. Minor injuries were sustained.

## The Problem

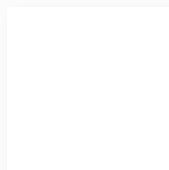
\*As identified by the source article

- Tethers or securing methods were not used.
- Crews remained in an unsafe location.
- No warning/briefing was given to ground workers.
- Poor housekeeping procedures.

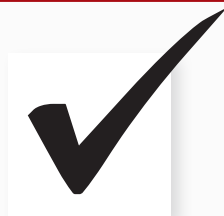
## Questions Not Considered

- Was additional barricading used (Toe Boards and Debris Netting)?
- Were tool lanyards or buckets readily available on site?
- Were safety procedures known and followed?

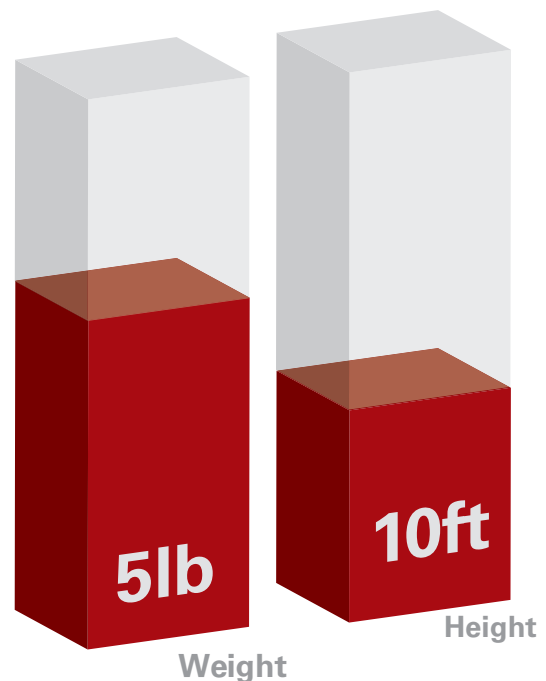
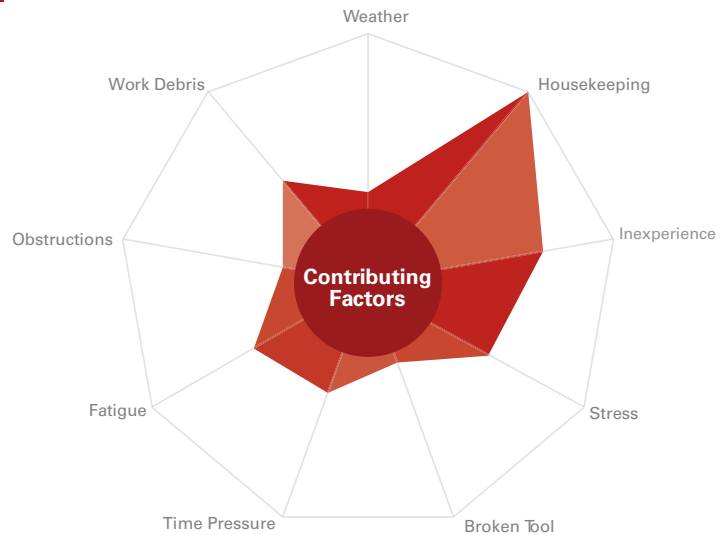
## Dropped Objects Prevention Supplies Would Have Helped?



No



Yes



# Sledgehammer On an Oil Rig

<http://www.iadc.org/safety-alerts/alert-08-25-dropped-object-falling-sledge-hammer/>

## The Story

A worker was performing work at height on an oil rig with a sledgehammer. The area below was cleared for safety reasons. When finished, the worker began his descent with sledgehammer in hand. On his way down normal operations resumed below. At 23 feet above ground level the worker lost his grip on the 4-pound sledgehammer. The sledgehammer fell, ricocheted, and struck another worker on his hardhat. Minor injuries were sustained.

## The Problem\*

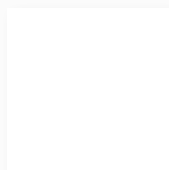
\*As identified by the source article

Company supplied tool bags were not used.  
Crew entered restricted area before it was safe.  
Crews were not briefed on safety processes.  
The tool was covered in mud.

## Questions Not Considered

- How was safe climbing accomplished with tool in hand?
- Was the potential for ricocheting assessed?
- Was tool lanyard use required?
- Were tool lanyards available?

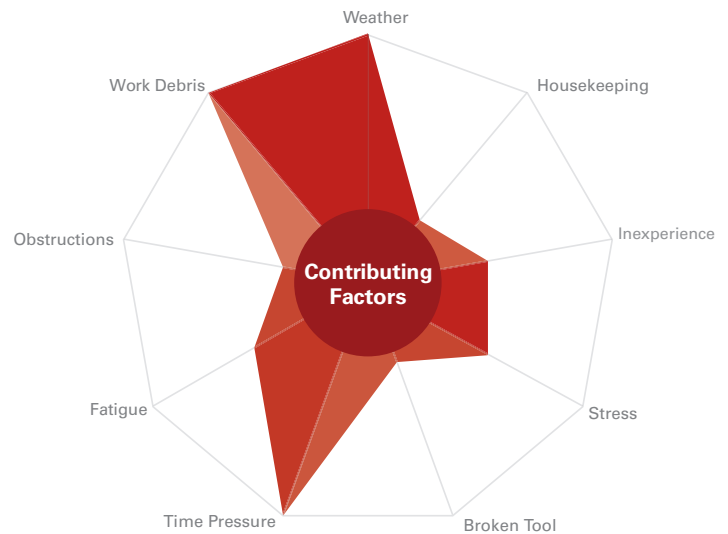
## Dropped Objects Prevention Supplies Would Have Helped?



No



Yes



Actual Injury In Red

Potential Injury In Grey

