

Timber Block Trolley

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'Improving health and safety in challenging times'

Background

Timber Blocks

- *Industry Standard*
- *Variety of Applications*
 - *Chassis, Water Tanks, Blades, Rippers*
- *50kg +*
- *Manual handling a risk based task*
 - *Risk Assessment required*
- *Requires 2-3 personnel*



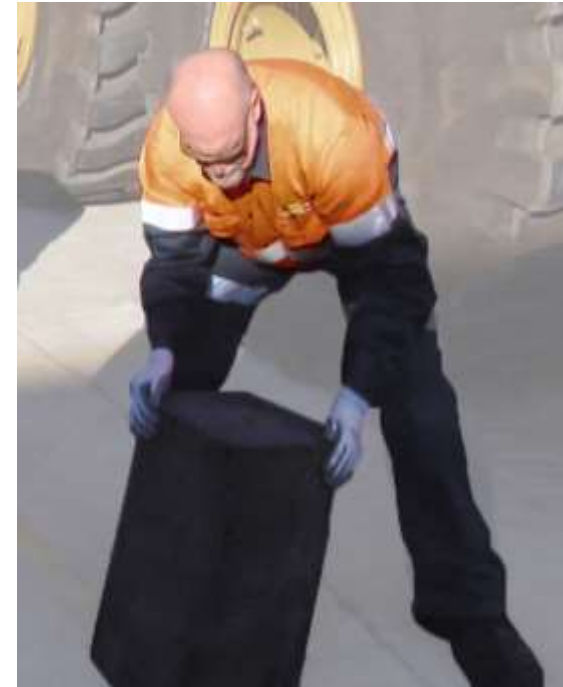
Design a safer solution that requires only one person!



Hazards and Metrics

Manual Handling

- *Cumbersome shape*
 - *Back strains*
- *Forklift use*
 - *Extra Resources*
 - *Machine personnel interaction*



Freely Suspended Loads

- *Install/Removal of blocks under Freely Suspended Loads*

"Musculoskeletal injuries accounted for 47% of WorkCover injury claims for HD for 2013/14"



Innovation

- *Trolley eliminates 1-2 personnel*
- *2 Tier prong design*
- *Safe Reach for use with freely suspended loads*
- *Pinch point elimination*
- *Simple design for in house manufacture*
- *Side and end on transportation*
- *Easy storage*
- *Block modified*



Outcomes

- *Single person use*
- *Reduced use of resources*
- *Simple to use*
- *Decrease wait time*
- *Robust construction*



Transferability

- Solution involved modifying the **object** in question
- **On site resources** allow for easy manufacture and excellent quality control
- There's sophistication in **Simplicity!**

