

KEYWORDS: WHEELS ; GIN-WHEELS ; PULLEY-WHEELS**10-15 MINUTES**

Topic: Gin Wheels OR Pulley Wheels



IDEAS FOR YOUR TALK:

- People remember facts better when they're interactive and visual: use Gin Wheels or Pulley Wheels to illustrate or demonstrate your risk statements.
- People remember stories better than raw facts: think of a personal story that you can share.
- People structure thoughts to remember them: think of risks or defects that can occur with each component of Gin Wheels or Pulley Wheels.
- YouTube is another good source of information and offers many safety videos and demonstrations. Select only videos that are high-quality.

Explain dangers:

Using a gin or pulley wheel is a low-cost and convenient way of raising or lowering a load. However, these are some risks associated with using gin or pulley wheels:

- A hoisting rope that does not have a proper safety hook or knots at the end.
- A hoisting rope that is worn and needs to be removed from service.
- A load that exceeds the weight capacity of the components or the ability of workers to lift it.
- A load is not secured properly
- A bucket or load that strikes the scaffold or building, causing the load to tip and fall.

Demonstrate:

Ask crew to describe any problems they have had with:

- Handling a gin wheel
- Making the appropriate knots
- Using a gin wheel with missing or damaged parts.

1. SUGGESTED ENGAGEMENT QUESTIONS:

- Who has used Gin Wheels or Pulley Wheels on this job?
- What is the main risk involved in using Gin Wheels or Pulley Wheels?
- Has anyone heard of an incident or accident involving Gin Wheels or Pulley Wheels?

2. TALKING POINTS:

Inspect the hoisting equipment and rope before each use. When not in use, store the rope so that it's protected from exposure to rain, snow, and UV radiation from the sun.

- Make sure the gin wheel and the rope are rated for the load you will be hoisting.
- Always rope off the area below the gin wheel and never stand directly below the load. (O.Reg. 213/91, s. 103)
- Whenever possible, workers at ground level should lift the load. When lifting, do not stand under the load.
- Always use gloves when working with a gin wheel to prevent rope burn.
- Only use a gin wheel with a working safety catch on the mounting hook to prevent the wheel from detaching.
- If proper hooks are not available, use the appropriate knots.
- Mount the gin wheel on a safe work platform that is above the standing arm's length of the worker who will be receiving the load. The load itself should be received no higher than the worker's shoulder height.
- Restrict loads to one-fifth of your body weight and watch for excessive side loading.
- Workers receiving the load (at heights) must use proper fall protection.
- If two or more workers are lifting the load, one worker should be giving instructions.

3. CLOSING QUESTIONS:

- Do you know of any damaged Gin Wheels or Pulley Wheels?
- Do you have questions on this subject, inspection or safe use?
- Are you aware of a risk on this jobsite that shouldn't be?



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