

## Toolbox talk - Rigging Safety Tips (Part 2)

Here are more safety tips for some of the common mechanical construction industry rigging applications.

- Never allow a synthetic sling to bunch up on a shackle.
- Always use the right size shackle for the job. For example, a 1 inch shackle is too small to use with a 1 ½ inch wire rope sling. However, a 2 inch shackle works safely with a 1 ½ inch wire rope sling.
- Never make a shackle to shackle connection.
- Be sure to use a safe shackle orientation. Don't allow the inside loop of a wire rope sling to place tension on a shackle pin directly where the pin screws into the shackle or directly where the pin comes through the hole on the opposite side of the shackle. Doing so would place too much tension on the shackle ears.
- Never orient two slings in a shackle so that they would pull the shackle in opposite directions that are parallel to the shackle pin.
- Be sure not to orient a shackle/sling on a shackle pin in a manner that could result in the shackle pin becoming unscrewed during the lift.
- Make sure that you choose the right size sling/sling loop based on the size of the crane or derrick hook.
- Be sure not to "point load" crane or derrick hooks. The rated capacity of the hook decreases as the angle increases and the load moves out away from the center of the hook.