



# TOOLBOX TALKS

ITI salutes National Safety Week with this informative series on Crane & Rigging Safety



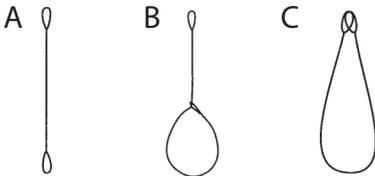
## Rigging Quiz

1. The rigger may exceed the rated capacity of wire rope slings and web slings but never alloy steel chain slings, when making day-to-day lifts.



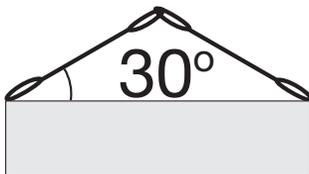
True \_\_\_\_\_ False \_\_\_\_\_

2. Of the three basic hitch types (single vertical, choker, basket), which hitch provides the least amount of lifting capacity?



A \_\_\_\_\_ B \_\_\_\_\_ C \_\_\_\_\_

3. The tension in the legs of a two-legged bridle assembly being used at 30 deg. angle is twice the tension of that of two single vertical legs lifting the same object.

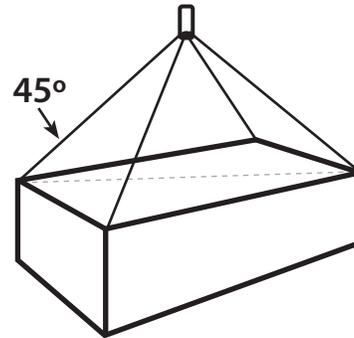


True \_\_\_\_\_ False \_\_\_\_\_

4. It's okay to use a single basket hitch to pick up a bundle of aluminum as long as the rigger holds onto one end of the bundle to control the load.

True \_\_\_\_\_ False \_\_\_\_\_

5. A rigger can always use a four-legged bridle assembly with the knowledge that the load is equally distributed over all 4 legs.



True \_\_\_\_\_ False \_\_\_\_\_

6. When rigging up a basket hitch using a wire rope sling, the rigger will lose no capacity even if the pick point at the belly of the sling is the same diameter as the sling's body.

True \_\_\_\_\_ False \_\_\_\_\_

*(continued on Page 2)*



CRANES | RIGGING | LIFT PLANNING | ENGINEERING



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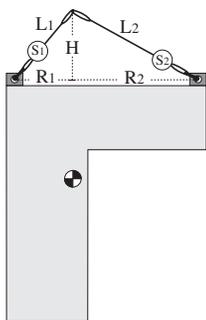
## Rigging Quiz(Continued)

7. When laying a load down on the ground which has been rigged using two basket hitches, it is advisable to block or crib up under the load so the slings can be removed with no affects from crushing.

True \_\_\_\_\_ False \_\_\_\_\_

8. When making a two-legged lift, the sling leg which appears to be in the most vertical plane will be carrying \_\_\_ net load than the more inclined sling.

- A) More
- B) Less



9. Taglines need only be used on loads which exceed 10,000 lbs.

True \_\_\_\_\_ False \_\_\_\_\_

10. A rigger should always attempt to remove sloshing fluid from a vessel prior to its being rigged and moved.

True \_\_\_\_\_ False \_\_\_\_\_

### RIGGING QUIZ ANSWER KEY:

- 1) False
- 2) B
- 3) True
- 4) False
- 5) False
- 6) False
- 7) True
- 8) More
- 9) False
- 10) True



Mike Parnell

- Technical Director/CEO at ITI
- Former Vice Chairman, ASME B30
- Chairman, ASME P30
- Associate Member, CSA Z150

Mike holds 34 years of progressive experience in wire rope, rigging, and crane operations in various industries including mining, maritime, electric utility, pulp and paper, manufacturing, nuclear, oil & gas, and construction. He has developed innovative training techniques, resource materials, workbooks, videos and reference cards which are widely used in the rigging industry today. Through ITI Field Services, Mike and his team provide consulting, accident investigation, and expert witness services.

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