

CORPORATE MESSAGE

FORCES IN RIGGING



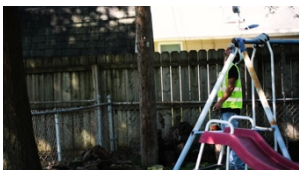
Rigging forces can range from twice the weight of the load involved to 10 times the weight or more.



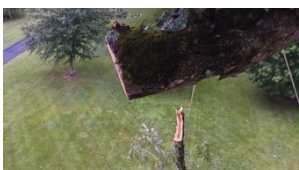
Any equipment used for rigging operations must be in good working condition. Damaged or overloaded equipment should be removed from service.



Rigging design, rope angles and the number of lines or line parts all impact the system's rigging forces.



Before performing rigging operations, always inspect trees for their integrity. If it is determined that a tree poses an unavoidable risk of failure due to the forces and strains of the planned rigging operation, an alternate plan must be used.



Understanding the forces that may be involved, and using equipment that can handle those forces, is essential to a safe and proper rigging.

SAFETY VIDEOS

English: vimeo.com/townsendcorp/20ne

Spanish: vimeo.com/townsendcorp/20ns

REGIONAL/LOCAL OPERATIONS GOALS

Last Week

This Week

IMPORTANT REMINDER

DAILY SAFETY NUGGETS

MONDAY

Arborists performing rigging operations SHALL do what to determine whether the tree has any defect that could affect the operation. Inspect the tree for a lack of integrity or damage that could affect the operation

TUESDAY

Arborists shall observe what ratings on rigging equipment. Load ratings.

WEDNESDAY

In a static system, where a log is suspended from a line that runs through a pulley and is tied off, the load at the anchor point is what? Twice the weight of the log.

THURSDAY

Dynamic or shock loading greatly increases the forces involved. When a log is rigged through a pulley, the force at the anchor point can be how much? Ten times the weight of the log.

FRIDAY

What should be the weakest part of the rigging system? The rigging line / rope.

SATURDAY

What shall be done when the potential exists for rigging and climbing equipment to be confused? Equipment shall be clearly marked to identify their different purposes. As an example, our climbing lines are to be identified with yellow tape.

DRIVE SAFETY TIP

Adjust Your Attitude

- Leave yourself *enough time* rather than trying to *make good time*
- Put yourself in the other driver's shoes
- Take a deep breath and remember escalating a situation will only make things worse.



FORCES IN RIGGING

Weekly Tailgate Sign-in

Company: _____ Location: _____

Supervisor: _____ Date: _____

- | | |
|-----------|-----------|
| 1. _____ | 21. _____ |
| 2. _____ | 22. _____ |
| 3. _____ | 23. _____ |
| 4. _____ | 24. _____ |
| 5. _____ | 25. _____ |
| 6. _____ | 26. _____ |
| 7. _____ | 27. _____ |
| 8. _____ | 28. _____ |
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| 11. _____ | 31. _____ |
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| 19. _____ | 39. _____ |
| 20. _____ | 40. _____ |