



Grain Handling Safety Coalition

Figure 8 on a Bight – knot tying

Definitions

Bight - A fold in the rope or U-shaped section of rope being used in making a knot. The two parts lie alongside each other – they do not cross each other.

Dress – Arranging the knot in a way to improve its performance such as crossing or uncrossing the rope in specific ways.

Set – Process of tightening the knot. If a knot is not set properly it can cause it to underperform or loosen.

Standing end - The long end of the lifeline rope. The part not knotted.

Standing part - section of lifeline rope that lies between the standing end and the knot.

Tail - The short end. The part getting knotted.

Working end – The part of the rope active in the knot tying.



Instructions

1. Form a bight in the lifeline. It should be about the size of the diameter of the loop you want to make.
2. Using the bight as the working end of the rope, form a loop in the (standing part) of the rope.
3. Wrap the working end (bight) around the standing part of the rope 360 degrees.
4. Feed the working end (bight) through the loop.
5. Dress it (keep rope next to each other).
6. Pull the knot tight.
7. Make sure there is enough tail to tie a safety knot
8. **CHECK**
 - a. Loop is desired size
 - b. Loops do not cross over each other – they are parallel.
 - c. Knot is tightly dressed and set
 - d. There is at least a 4 inch "pigtail" after tying the safety knot.