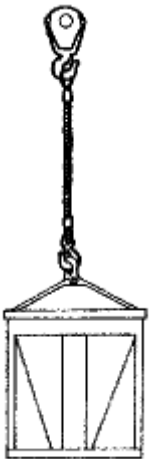


Materials Handling – Rigging or Sling Hitches Fact Sheet



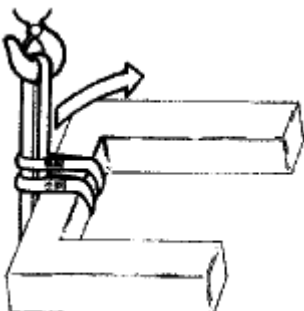
HOW SHOULD YOU USE A VERTICAL HITCH?

- In most cases use more than one sling. A single rope sling load tends to rotate in a twisting action that unwinds cables causing them to weaken.
- Do not use for lifting loose materials, long or unbalanced loads.



How should you use a turning hitch?

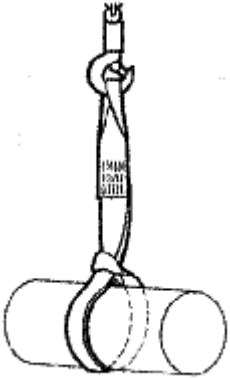
- Use a doubled choker to turn loads.
- Place both sling eyes on top of the load pointing in the direction opposite to the direction of the turn. This sling will remain tight while the load is turning.
- Never use a basket hitch to turn a load.



How should you use choker hitches?

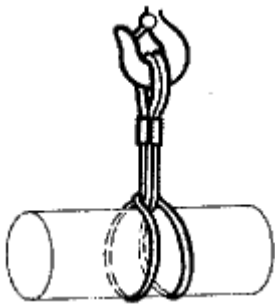
Choker hitch

- The sling tightens on a load as it is lifted.
- Do not use on loose bundles.
- Use choker hitches at 75% or less of rated sling capacity.
- Use slings that are long enough so that the choker hitch is effective and the “grip” is on the webbing.



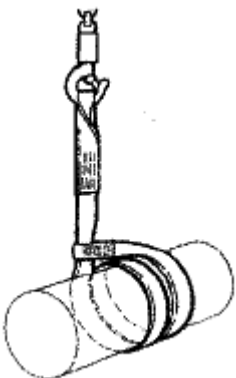
Doubled choker hitch

- Provides more contact area to secure a load.



Double Wrap Choker Hitch

- This hitch compresses the load and prevents it from slipping out of the sling.
- Where overhead space is limited, a double wrapped choker hitch is acceptable.



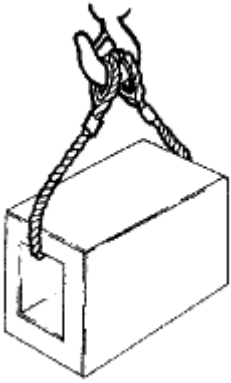
How should you use basket hitches?

Basket hitches

- Provide relatively good control and eliminate the tendency of the load to twist,

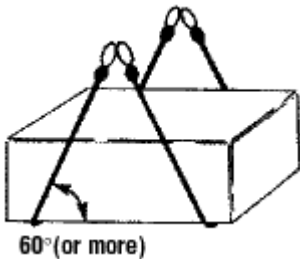
compared with a vertical hitch.

- Do not use basket hitches with a load that is difficult to balance.



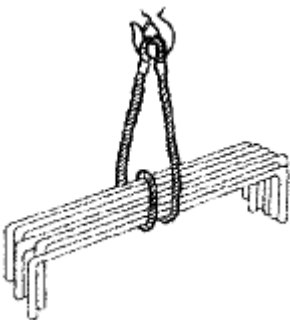
Double basket hitches

- Balance loads by keeping slings apart.
- Prevent sling slippage by keeping the angle between the load and sling 60° or more.



Double Wrap Basket Hitches

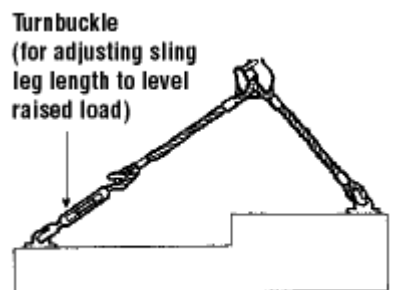
- Provide more contact for handling loose material and pipe.
- Tend to draw the load together.



How should you use bridle hitches?

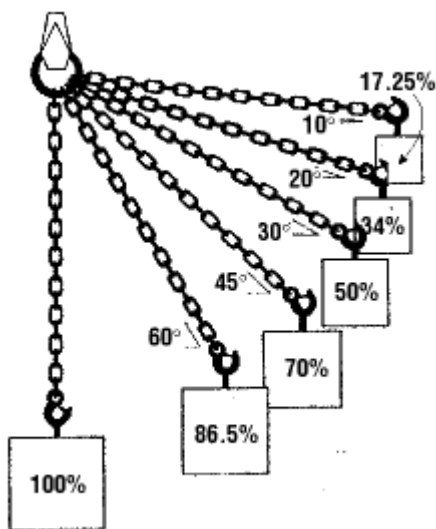
Bridle hitches

- Are made of 2, 3 or 4 single leg hitches.
- Are used for hoisting an object that has lifting lugs or attachments.
- Position the hook over the centre of gravity of the load.
- Adjust sling leg lengths with turnbuckles to level raised load.
- Check each sling leg angle to ensure sling is not overloaded.



How does the angle of hoisting affects a sling load limit?

- The angle affects the working load limit. The smaller the angle, the less load a sling can carry.



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