

## Section 3 - Slings and Hitches

### Objectives

When you have completed this section you should be able to

- Identify the following slings:
  - Single part
  - Endless
  - Bridle
- Identify the following hitches, and state an application for each:
  - Single part
  - Bridle
  - Choker
  - Double choker
  - Double wrap
  - Basket
- Use manufacturers' tables to determine the safe location for a sling used for a straight lift with the following:
  - Single part hitch
  - Choker hitch
  - Single basket hitch
- Inspect the following types of slings for damage:
  - Wire rope
  - Synthetic web
  - Synthetic round
  - Wire mesh
  - Chain

### Slings

A **sling** is a length of material (typically wire rope, synthetic material, chain, or wire mesh) which can be fitted at each end with an eye splice or other fitting to connect hoisting equipment and a load. Slings are made in three functional shapes—endless, single part, and bridle. The choice of sling shape and material depends on the type, shape, and environment of the load being moved.

The sling material must be carefully inspected prior to each use. If any sign of defect is found, the sling must be taken out of service and not used. Any sling repair must be done by the manufacturer.