

Job site: _____
 Foreman: _____

Date: _____
 G.C. _____

SMOHIT Safety Sense
 Toolbox Talks for the Sheet Metal Industry

Chains, Wires Ropes, and Slings

- Slings, wires, and chains are all components used in rigging operations. Rigging components are only as strong as their weakest piece so it is crucial that they be kept in good condition and inspected regularly.
- Rigging components must be removed from service if any of these conditions are present:
 - Ten randomly distributed broken wires in one lay, or five broken wires in one strand in one lay of wire rope.
 - Wear or scraping on one-third of the original diameter of the outside individual wires.
 - Kinking, crushing, bird caging, or any other damage to the wire rope structure.
 - The evidence of heat damage to wire rope.
 - Abnormal wear, torn stitching, broken or cut fibers, or discoloration in nylon slings.
 - Cracked, bent, or elongated links or components, or cracked hooks in alloy steel chain slings.
 - End attachments that are cracked, deformed, or worn.
 - Hooks that have been opened more than 15% of the normal throat opening measured at the narrowest point, or twisted more than 10° from the plane of the unbent hook.

Instructor Tips

- **If applicable, point out good and bad examples of equipment on the job site.**

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Reference: OSHA 29 CFR 1926.251