

FIX-N-FAX #4

CALIFORNIA DEPARTMENT OF FORESTRY AND FIRE PROTECTION

Number 4

Mandatory Compliance

Date: September 1989

LOAD SECURING ATTACHMENTS

This Fix-N-Fax lists the minimum standards required for wire rope, synthetic rope, and synthetic webb bindings used for securing loads in accordance with Title 13 and the California Vehicle Code.

CAUTION: Do not mix standards for towing with the standards for securing or lifting; each operation has its special requirements.

SPECIFICATION STANDARD:

CHAIN

For securing loads in accordance with regulation (Title 13, Sub Chapter 7, Article 1, Section 1303). Chain shall be welded link and at least one link in every five (5) feet of chain shall be marked with a symbol identifying grade and manufacture.

Federal Specification RR-C-C271-B.

WIRE ROPE

For securing loads in accordance with regulation (Title 13, Sub Chapter 7, Article 1, Section 1303).

Federal Specification RR-W-410-C.

SYNTHETIC FIBER ROPE

For securing loads in accordance with regulation (Title 13, Sub Chapter 7, Article 1, Section E). Shall be identified by an orange surface mark and bear the manufacturer registration trade mark.

SYNTHETIC WEBBING BINDERS

For securing loads in accordance with regulation (Title 13, Sub Chapter 7, Article 1, Section F). Final assembler's name or trade mark shall be indelibly printed on the webbing in contrast color at intervals of five (5) feet or less along with interwoven orange surface marker that runs full length of the binders.

- All wire rope, synthetic rope, and chains, etc. used on California Department of Forestry and Fire Protection equipment for securing loads shall meet these requirements.
- These specifications are familiar to local suppliers of these products. **DO NOT ACCEPT SUBSTITUTES.**
- DO NOT USE SURPLUS OR EXCESS PROPERTY ROPE OR CHAIN.
- Do not use Manila rope.
- Do not use safety line, etc. for tying down loads.
- Inspect all rope, chain, etc. in use and replace any that is damaged or worn.

ALL ATTACHMENTS: (Hooks, binders, etc.)

Shall have a design strength or load rating not less than that required of the cable, chain, etc. to which they are attached.

Ref: Title 13, Sub Chapter 7, Article 1, Section 1303G.

ALL REPAIRS, MODIFICATIONS TO CHAIN, ROPE, ETC.:

Must meet the standards in Title 13, Sub Chapter 7, Article 1, Sections 1302, 1304 and 1305.

NOTE: It is not practical to quote every element of the regulation in this forum. All load securing attachments are prescribed by law and must meet certain standards. If an employee or supervisor has any questions or concerns, they should contact their motor carrier officer or their local unit fleet manager.

(see [FIX-N-FAX INDEX](#))