



Fulford
CERTIFICATION

Rigging Inspection Regulations

WorkSafe BC - Periodic Rigging Inspection Regulations

15.30 Standards

Unless otherwise required by this Regulation, wire rope, alloy steel chain, metal mesh, synthetic fibre rope, synthetic round slings and synthetic fibre web slings must meet the requirements of *ASME B30.9-2006 Slings*.

15.50 Periodic inspection

A chain sling must be thoroughly inspected at least once each year and a record of the inspection must be kept.

15.57 Standards

Spreader bars and other specialized below-the-hook lifting devices must be constructed, inspected, installed, tested, maintained and operated according to the requirements of *ASME B30.20-1993, Below-the-Hook Lifting Devices*.

ASME B30.9 – 2006 Slings

Chain Slings

9-1.9.4 Periodic Inspection

(a) A complete inspection of the sling shall be performed. Each link and fitting shall be examined individually, taking care to expose and examine all surfaces including the inner link surfaces. Slings found with conditions such as those listed in para. 9-1.9.5 shall be removed from service. Slings shall not be returned to service until approved by a qualified person.

(b) Periodic Inspection Frequency. Periodic inspection intervals shall not exceed 1 yr. The frequency of periodic inspections should be based on

- (1) frequency of sling use
- (2) severity of service conditions
- (3) nature of load handling activities
- (4) experience gained on the service life of slings used in similar circumstances

(c) Guidelines for the time intervals are

- (1) normal service — yearly
- (2) severe service— monthly to quarterly
- (3) special service — as recommended by a qualified person

(d) A written record of the most recent periodic inspection shall be maintained and shall include the condition of the sling.

Wire Rope Slings

9-2.9.4 Periodic Inspection

(a) A complete inspection of the sling shall be performed. Inspection shall be conducted on the entire length including splices and fittings. Slings found with conditions such as those listed in para. 9-2.9.5 shall be removed from service. Slings shall not be returned to service

until approved by a qualified person.

(b) Periodic Inspection Frequency. Periodic inspection intervals shall not exceed 1 yr. The frequency of periodic inspections should be based on

- (1) frequency of sling use
- (2) severity of service conditions
- (3) nature of load handling activities
- (4) experience gained on the service life of slings used in similar circumstances

(c) Guidelines for the time intervals are

- (1) normal service — yearly
- (2) severe service — monthly to quarterly
- (3) special service — as recommended by a qualified person

(d) Documentation that the most recent periodic inspection was performed shall be maintained.

(e) Inspection records of individual slings are not required.

Metal Mesh Slings

9-3.9.4 Periodic Inspection

(a) A complete inspection for damage to the sling shall be performed. Inspection shall be conducted on the entire length including welded or brazed joints and fittings. Slings found with conditions such as those listed in para. 9-3.9.5 shall be removed from service. Slings shall not be returned to service until approved by a qualified person.

(b) Periodic Inspection Frequency. Periodic inspection intervals shall not exceed 1 yr. The frequency of periodic inspections should be based on

- (1) frequency of sling use
- (2) severity of service conditions
- (3) nature of load handling activities
- (4) experience gained on the service life of slings used in similar circumstances

(c) Guidelines for the time intervals are

- (1) normal service — yearly
- (2) severe service — monthly to quarterly
- (3) special service — as recommended by a qualified person

(d) A written record of the most recent periodic inspection shall be maintained and shall include the condition of the sling.

Synthetic Rope Slings

9-4.9.4 Periodic Inspection

(a) A complete inspection of the sling shall be performed. Inspection shall be conducted on the entire length including splices and fittings. Slings found with conditions such as those listed in para. 9-4.9.5 shall be removed from service. Slings shall not be returned to service until approved by a qualified person.

(b) Periodic Inspection Frequency. Periodic inspection intervals shall not exceed 1 yr. The frequency of periodic inspections should be based on

- (1) frequency of sling use
- (2) severity of service conditions
- (3) nature of load handling activities
- (4) experience gained on the service life of slings used in similar circumstances

(c) Guidelines for the time intervals are

- (1) normal service — yearly
- (2) severe service — monthly to quarterly
- (3) special service — as recommended by a qualified person

(d) Documentation that the most recent periodic inspection was performed shall be maintained.

(e) Inspection records of individual slings are not required.

Synthetic Web Slings

9-5.9.4 Periodic Inspection

- (a) A complete inspection of the sling shall be performed. Inspection shall be conducted on the entire length including splices and fittings. Slings found with conditions such as those listed in para. 9-5.9.5 shall be removed from service. Slings shall not be returned to service until approved by a qualified person.
- (b) Periodic Inspection Frequency. Periodic inspection intervals shall not exceed 1 yr. The frequency of periodic inspections should be based on
- (1) frequency of sling use
 - (2) severity of service conditions
 - (3) nature of load handling activities
 - (4) experience gained on the service life of slings used in similar circumstances
- (c) Guidelines for the time intervals are
- (1) normal service — yearly
 - (2) severe service — monthly to quarterly
 - (3) special service — as recommended by a qualified person
- (d) Documentation that the most recent periodic inspection was performed shall be maintained.
- (e) Inspection records of individual slings are not required.

Polyester Round Slings

9-6.9.4 Periodic Inspection

- (a) A complete inspection of the sling shall be performed. Inspection shall be conducted on the entire length including fittings. Slings found with conditions such as those listed in para. 9-6.9.5 shall be removed from service. Slings shall not be returned to service until approved by a qualified person.
- (b) Periodic Inspection Frequency. Periodic inspection intervals shall not exceed 1 yr. The frequency of periodic inspections should be based on
- (1) frequency of sling use
 - (2) severity of service conditions
 - (3) nature of load handling activities
 - (4) experience gained on the service life of slings used in similar circumstances
- (c) Guidelines for the time intervals are
- (1) normal service — yearly
 - (2) severe service — monthly to quarterly
 - (3) special service — as recommended by a qualified person
- (d) Documentation that the most recent periodic inspection was performed shall be maintained.
- (e) Inspection records of individual slings are not required.

ASME B30.20 – 1993 Below-the-Hook Lifting Devices

(Clamps, Spreader bars, Lifting beams, Drum lifters, Pallet lifters, Tong lifters)

20-1.3.1 Inspection Classification

(3) Periodic Inspection. Visual inspection making records of apparent external conditions to provide the basis for a continuing evaluation. An external code mark on the lifter is an acceptable identification in lieu of records.

- (a)* Normal service for equipment in place — yearly
- (b)* Heavy service [as in (a) above, unless external conditions indicate that disassembly should be done to permit detailed inspection] — semi- annually
- (c)* Severe service [as in (b) above] — quarterly
- (d)* Special or infrequent service — as recommended by a qualified person before the first such occurrence and as directed by the qualified person for any subsequent occurrences

20-1.3.4 Periodic Inspection (See Also Table 20-1.3.3-1)

Complete inspection of the lifter shall be performed at intervals as defined in para. 20-1.3.1(b)(3). Any deficiencies, such as listed below, shall be examined and determination made as to whether they constitute a hazard. These inspections shall include the requirements of para. 20-1.3.3 and, in addition, items such as the following:

- (a)* loose bolts or fasteners
- (b)* cracked or worn gears, pulleys, sheaves, sprockets, bearings, chains, and belts
- (c)* excessive wear of friction pads, linkages, and other mechanical parts
- (d)* excessive wear at hoist hooking points and load support clevises or pins
- (e)* missing or illegible product safety labels required by para. 20-1.2.1(d)

20-1.3.6 Inspection Records

Dated inspection reports shall be made on critical items such as those listed in para. 20-1.3.4. Records should be available for each periodic inspection and when the lifter is either altered or repaired.