

DEPARTMENT OF LABOR AND ECONOMIC OPPORTUNITY

DIRECTOR'S OFFICE

GENERAL INDUSTRY SAFETY AND HEALTH STANDARD

Filed with the secretary of state on May 6, 2021

These rules take effect immediately upon filing with the secretary of state unless adopted under section 33, 44, or 45a(6) of the administrative procedures act of 1969, 1969 PA 306, MCL 24.233, 24.244, or 24.245a. Rules adopted under these sections become effective 7 days after filing with the secretary of state.

(By authority conferred on the director of the department of labor and economic opportunity by sections 16 and 21 of the Michigan occupational safety and health act, 1974 PA 154, MCL 408.1016 and 408.1021, and Executive Reorganization Order Nos. 1996-2, 2003-1, 2008-4, 2011-4, and 2019-3, MCL 445.2001, 445.2011, 445.2025, 445.2030, and 125.1998)

R 408.14901 and R 408.14923 of the Michigan Administrative Code are amended, and R 408.14902 is rescinded, as follows:

PART 49. SLINGS

R 408.14901 Scope and adoption of standard.

Rule 4901. (1) This part sets forth the requirements for slings and their construction, care, and use in, around, and about a place of employment. Types of slings included in this part are chain, wire rope, metal mesh, 3-strand natural or synthetic rope, and synthetic web made from nylon, polyester, and polypropylene.

(2) The following standard is adopted by reference in these rules, American Society of Mechanical Engineers Standard ASME B-30.9 "Slings," 1990 edition. This standard may be purchased from IHS Global, 15 Inverness Way East, Englewood, Colorado, 80112, USA, telephone number: 1-800-854-7179 or via the internet at website: <http://global.ihs.com> at a cost as of the time of adoption of these amendments of \$60.00.

(3) The standard adopted in subrule (2) of this rule is also available for inspection at the Department of Labor and Economic Opportunity, MIOSHA, Standards and FOIA Section, 530 West Allegan Street, P.O. Box 30643, Lansing, Michigan, 48909-8143.

(4) Copies of the standard adopted in subrule (2) of this rule may be obtained from the publisher or may also be obtained from the Department of Labor and Economic Opportunity, MIOSHA, Standards and FOIA Section, 530 West Allegan Street, P.O. Box 30643, Lansing, Michigan, 48909-8143, at the cost charged in this rule, plus \$20.00 for shipping and handling.

R 408.14902 Rescinded.

R 408.14923 Inspections; records; removal from service; proof testing.

Rule 4923. (1) In addition to the inspection prescribed by R 408.14912, an employer shall designate an employee to make a thorough periodic inspection of an alloy steel chain sling in use on a regular basis. An employer shall determine the regularity of inspection based on all of the following factors:

- (a) Frequency of sling use.
- (b) Severity of service conditions.
- (c) Nature of lifts being made.
- (d) Experience gained on the service life of slings used in similar circumstances.

The designated employee shall inspect an alloy steel chain sling at least once every 12 months.

(2) The employer shall make and maintain a record of the most recent month in which each alloy steel chain sling was thoroughly inspected and shall make the record available for examination.

(3) The employee designated to make the inspection of an alloy steel chain sling shall make a thorough inspection for all of the following:

- (a) Wear.
- (b) Defective welds.
- (c) Deformation.
- (d) An increase in length beyond acceptable limits established in this part.

If the defects or deteriorations are present, then the designated employee shall immediately remove the sling from service.

(4) The employer shall ensure that, before use, each new, repaired, or reconditioned alloy steel chain sling, including all welded components in the sling assembly, is proof-tested by the sling manufacturer in accordance with ASME B-30.9 "Slings," 1990 edition, as adopted in R 408.14901.

(5) The employer shall retain a certificate of the proof test and shall make it available for examination.

(6) If the chain size at any point of the link is less than that stated in Table 1, the employer shall remove the chain from service.

TABLE 1

## MINIMUM ALLOWABLE CHAIN SIZE AT ANY POINT OF LINK

Chain size (inches)	Minimum allowable chain size (inches)
1/4	13/64
3/8	19/64
1/2	25/64
5/8	31/64
3/4	19/32
7/8	45/64
1	13/16
1 1/8	29/32
1 1/4	1
1 3/8	1-3/32
1 1/2	1-3/16
1 3/4	1-13/32