

**GI Part 24. Mechanical Power Presses
Compared With
29 C.F.R. 1910.217 Mechanical Power Presses**

Summary: The significant differences between GI Part 24. Mechanical Power Presses and 29 C.F.R. 1910.217 Mechanical Power Presses are in:

- Inspection and maintenance records
- Pressure vessels; adoption of standards
- Single stroke clutch presses
- Clutch press stop control
- Point of operation guards
- Point of operation devices
- Dies; employer duties generally
- Die setting

The comparisons show only those provisions where MIOSHA rules are different than OSHA or where MIOSHA rules are not included in 29 C.F.R.

****means there is a comparable OSHA rule to this paragraph

MIOSHA	OSHA
<p>R 408.12412. Inspection and maintenance records. Rule 2412. (1) An inspection shall be conducted at least semiannually.</p> <p>(2) to (3)****</p> <p>(4) An employer shall maintain a record of the last 2 inspections for each press and the maintenance work that was performed as a result of the inspections.</p>	<p>No comparable OSHA provision</p> <p>Equivalent</p> <p>No comparable OSHA provision</p>
CONSTRUCTION – GENERAL	
<p>R 408.12428. Pressure vessels; adoption of standards. Rule 2428. (1) A pressure vessel that is used in conjunction with a press before the effective date of this amendatory rule shall be as prescribed in the ASME Pressure Vessel Code, Section VIII, Unfired Pressure Vessels, 1974, which is adopted by reference in these rules and may be inspected at the Lansing office of the Michigan department of consumer and industry services. This code may be purchased at a cost of \$40.00 from the American Society of Mechanical Engineers, 345 E. 47th Street, New York, New York 10017, or from the Michigan Department of Consumer and Industry Services, State Secondary Complex, 7150 Harris Drive, Box 30643, Lansing, Michigan 48909.</p>	<p>No comparable OSHA provisions</p>

MIOSHA	OSHA
<p>(2) A pressure vessel that is installed in conjunction with a press after the effective date of this part shall be as prescribed in the ASME Pressure Vessel Code, Section VIII, Unfired Pressure Vessels, 1983, which is adopted by reference in these rules and may be inspected at the Lansing office of the Michigan department of consumer and industry services. This code may be purchased at a cost of \$200.00 from the American Society of Mechanical Engineers, 345 E. 47th Street, New York, New York 10017, or from the Michigan Department of Consumer and Industry Services, State Secondary Complex, 7150 Harris Drive, Box 30643, Lansing, Michigan 48909.</p>	<p>No comparable OSHA provision</p>
<p align="center">CONSTRUCTION – FULL REVOLUTION CLUTCH PRESSES</p>	
<p>R 408.12431. Single stroke. Rule 2431. (1) Presses using full-revolution clutches shall incorporate a single-stroke mechanism, except that the single-stroke mechanism may be omitted if either of the following conditions is met: (a) A press has barrier guards as prescribed in rule 2462(1), (2), and (3) on all 4 sides and a second action is required to initiate the cycle after the machine has been energized by the start switch. (b) A press is operated by 2 hand anti-repeat trips. (2)****</p>	<p>1910.217 Mechanical power presses. (b) Mechanical power press guarding and construction, general (3) Machines using full revolution positive clutches. (i) Machines using full revolution clutches shall incorporate a single-stroke mechanism.</p> <p>Equivalent</p>
<p align="center">CONSTRUCTION – PART REVOLUTION CLUTCH PRESSES</p>	
<p>R 408.12442. Stop control. Rule 2442. (1) A red color stop control shall be provided with the clutch/brake control system and shall be located within the reach of the operator at the normal control station. (2) to (3)****</p>	<p>1910.217 Mechanical power presses. (b) Mechanical power press guarding and construction, general. (7) Machines using part revolution clutches. (ii) A red color stop control shall be provided with the clutch/brake control system.</p> <p>Equivalent</p>

MIOSHA	OSHA
<p>R 408.12462. Point of operation guards. Rule 2462. (1) A point of operation guard shall meet the following design, construction application, and adjustment requirements:</p> <p>(a)****</p> <p>(b) It shall conform to the maximum permissible openings of table 1 and figure 1, except that a barrier guard may have feed holes for the stock, which shall be of such size and distance from the die as to prevent entry of a hand or finger of each operator into the point of operation or nip point.</p> <p>(1))(c) to (7)****</p>	<p>Equivalent</p> <p>1910.217 Mechanical power presses. (c) Safeguarding the point of operation. (2) Point of operation guards. (i) Every point of operation guard shall meet the following design, construction, application, and adjustment requirements: (b) It shall conform to the maximum permissible openings of Table O-10.</p> <p>Equivalent</p>
<p>R 408.12463. Point of operation devices. Rule 2463. (1) to (3)****</p> <p>(4) The pull-out device shall protect the operator as prescribed in subrule (1)(b) of this rule and shall include attachments for each of the operator's hands. All of the following provisions apply to a pull-out device:</p> <p>(4)(a) to (4)(d)****</p> <p>(e) Bolts, locator pins, or any other projections shall not be located in a manner that would catch the pullback cable or wristlet and hold an operator's hand in a pinch point or the point of operation</p> <p>(5) to (8)****</p>	<p>Equivalent</p> <p>No comparable OSHA provision</p> <p>Equivalent</p> <p>No comparable OSHA provisions</p> <p>Equivalent</p>
<p>DIE DESIGN, CONSTRUCTION, SETTING, AND FEEDING</p>	
<p>R 408.12471. Dies; employer duties generally. Rule 2471. An employer shall do all of the following: (a) to (b)****</p> <p>(c) Guard feed points, shuttle mechanisms, or other pinch points in accordance with the provisions of rule 34 of Part 1. General Provisions of the general industry safety standards rules, being R 408.10034 of the Michigan Administrative Code.</p>	<p>Equivalent</p> <p>No comparable OSHA provision</p>

MIOSHA	OSHA
<p>R 408.12477. Diesetting. Rule 2477. (1) to (3)****</p> <p>(4) An employer shall provide and enforce the use of safety blocks for use when dies are being adjusted or repaired in the press. Means shall be provided to prevent cycling a press with the safety block in place between the upper and lower dies or between the bolster plate and slide face.</p> <p>(5) to (6)****</p>	<p>Equivalent</p> <p>1910.217 Mechanical power presses. (d) Design, construction, setting and feeding of dies. (9) Diesetting (iv) The employer shall provide and enforce the use of safety blocks for use whenever dies are being adjusted or repaired in the press.</p> <p>Equivalent</p>

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