

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

**As of December 2016**

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

- 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
<b>CONSTRUCTION – GENERAL</b>	
<p><b>R 408.12428 Pressure vessels.</b>  <b>Rule 2428.</b> (1) A pressure vessel that is used in conjunction with a press before June 15, 1990, shall be as prescribed in American Society of Mechanical Engineers ASME "Pressure Vessel Code," Section VIII, "Unfired Pressure Vessels," 1974 edition, as adopted in R 408.12402.            (2) A pressure vessel that is installed in conjunction with a press after June 15, 1990, shall be as prescribed in ASME "Pressure Vessel Code," Section VIII, "Unfired Pressure Vessels," 1983 edition, as adopted in R 408.12402.</p>	<b>No comparable OSHA provisions</b>

MIOSHA	OSHA
<p align="center"><b>CONSTRUCTION – FULL REVOLUTION CLUTCH PRESSES</b></p>	
<p><b>R 408.12431. Single stroke.</b>  <b>Rule 2431.</b> (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><b>1910.217 Mechanical power presses.</b>  <b>(b) Mechanical power press guarding and construction, general</b>  <b>(3)</b> Machines using full revolution positive clutches.  <b>(i)</b> Machines using full revolution clutches shall incorporate a single-stroke mechanism.    Equivalent</p>
<p align="center"><b>CONSTRUCTION – PART REVOLUTION CLUTCH PRESSES</b></p>	
<p><b>R 408.12442. Stop control.</b>  <b>Rule 2442.</b> (1) A red color stop control shall be provided with the clutch/brake control system <b>and shall be located within the reach of the operator at the normal control station.</b>    (2) to (3)****</p>	<p><b>1910.217 Mechanical power presses.</b>  <b>(b) Mechanical power press guarding and construction, general.</b>  <b>(7)</b> Machines using part revolution clutches.  <b>(ii)</b> A red color stop control shall be provided with the clutch/brake control system.    Equivalent</p>
<p><b>R 408.12462. Point of operation guards.</b>  <b>Rule 2462.</b> (1) A point of operation guard shall meet the following design, construction application, and adjustment requirements:  (a)****  (b) It shall conform to the maximum permissible openings of table 1 and figure 1, <b>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.</b>    (1))(c) to (7)****</p>	<p>Equivalent    <b>1910.217 Mechanical power presses.</b>  <b>(c) Safeguarding the point of operation.</b>  <b>(2)</b> Point of operation guards.  <b>(i)</b> Every point of operation guard shall meet the following design, construction, application, and adjustment requirements:  <b>(b)</b> It shall conform to the maximum permissible openings of Table O-10.    Equivalent</p>

MIOSHA	OSHA
<p><b>R 408.12463. Point of operation devices.</b>  <b>Rule 2463.</b> (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><b>No comparable OSHA provision</b></p> <p>Equivalent</p> <p><b>No comparable OSHA provisions</b></p> <p>Equivalent</p>
<p><b>DIE DESIGN, CONSTRUCTION, SETTING, AND FEEDING</b></p>	
<p><b>R 408.12471. Dies; employer duties generally.</b>  <b>Rule 2471.</b> 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 General Industry Safety Standard Part 1 "General Provisions," as referenced in R 408.12402.</p>	<p>Equivalent</p> <p><b>No comparable OSHA provision</b></p>
<p><b>R 408.12477. Diesetting.</b>  <b>Rule 2477.</b> (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. <b>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.</b></p> <p>(5) to (6)****</p>	<p>Equivalent</p> <p><b>1910.217 Mechanical power presses.</b>  <b>(d) Design, construction, setting and feeding of dies.</b>  <b>(9) Diesetting</b>  <b>(iv)</b> 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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