

**GI Part 65. Mills and Calenders for Rubber and Plastic
Compared With
29 C.F.R. 1910.216 Mills and Calenders in the Rubber and Plastics Industries**

Summary: The significant differences between GI Part 65. Mills and Calenders for Rubber and Plastic and 29 C.F.R. 1910.216 Mills and Calenders in the Rubber and Plastics Industries are in:

- Employer’s responsibilities
- Employee’s responsibilities
- Illumination
- Floors and aisles
- Installation
- Hot surfaces
- Ventilation
- Maintenance
- Lubrication
- Steam pressure procedures
- Mill safety devices
- Mill stopping limits
- Calender safety devices
- Calender stopping limits

The below comparison 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 408.16511 Employer’s responsibilities. Rule 6511. An employer shall: (a) Provide training to an employee as to the hazards and safe operation of his assigned job. (b) Maintain the mills and calenders in a condition free of recognized hazards. (c) Establish and maintain a lockout procedure as prescribed in subrule (1) of rule 6527.</p>	<p>No comparable OSHA provision</p>
<p>R 408.16512 Employee’s responsibilities. Rule 6512. An employee shall: (a) Not use a mill or calender unless authorized and trained in its use. (b) Not remove a guard or safety device from a mill or calender except when necessary for servicing or where equivalent safety is provided. The guard shall be replaced before restarting the machine. All safety devices shall be replaced and tested before a mill or calender is put back into operation. (c) Report defective machinery, equipment and hazardous conditions, when detected, to his supervisor.</p>	<p>No comparable OSHA provision</p>

MIOSHA	OSHA
<p>R 408.16531 Steam pressure procedures. Rule 6531. (1) Where a pressure reducing valve is used, not less than 1 relief valve, set at not more than the rated pressure of the equipment, shall be provided adjacent to the reducing valve on the low pressure side. The relief valve shall vent to an area which will not create a hazard to an employee. (2) A steam valve to machinery shall be opened slowly to avoid uneven expansion of a pressure chamber. (3) A cylinder type machine shall be in motion before steam is admitted. (4) The rated operating steam pressure of a machine shall not be exceeded.</p>	<p>No comparable OSHA provision</p>
<p>R 408.16541 Mill safety devices. Rule 6541. (1) Except where an employee cannot come in contact with a roll nip point or be caught between a roll and an adjacent object because of a fixed installation, a mill shall be provided with 1 of the following safety trip devices to activate breaking equipment: (a) A pressure sensitive bar which can be tripped by not more than a 40 pound pressure of an employee's body. The bar shall be installed at the front and back of the mill across the length of the rolls of each mill roll having a height of 46 inches or more. (See figure 1) (b) **** (2) A mill having automatic overhead blending rolls shall have the blender interlocked to the mill so that actuation of the mill safety device will stop the blender. (3) A safety device, after actuation, shall require manual resetting. (4) A laboratory mill may be guarded by an interlocked barrier in lieu of the requirements of subrule (1).</p>	<p>No comparable OSHA provision</p> <p>Equivalent</p> <p>No comparable OSHA provisions</p>
<p>R 408.16545. Calender safety devices. Rule 6545. (1) Except where an employee cannot come in contact with a roll nip point or be caught between a roll and an adjacent object because of a fixed installation, a calender shall be provided with the following safety trip devices to actuate braking equipment:: (a) **** (b) A safety cable shall be run vertically on both sides of the calender and connected to the safety switch. The cable shall be not more than 12 inches from the face of the rolls and not less than 2 inches from the calender frame. The cable shall be anchored not more than 6 inches from the floor and operated with either a push or pull motion. (2) ****</p>	<p>No comparable OSHA provisions</p> <p>Equivalent</p> <p>1910.217 (b) Mill safety controls 1910.217 (b)(1)(iii) Safety tripwire cable or wire center cord. Installed in the front and in the back of each mill and located within 2 inches of a vertical plane tangent to the front and rear rolls. The cables shall not be more than 72 inches above the level on which the operator stands. The tripwire cable or wire center cord shall operate readily whether cable or cord is pushed or pulled.</p> <p>Equivalent</p>

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