



JOB AID HAZARD AWARENESS INFO

HYDRAULIC PRESS

A hydraulic press is a device that is made up of a cylinder fitted with a sliding piston that exerts a compressive force on a baseplate or stationary anvil. The workpiece is placed on the plate and the hydraulic ram is lowered onto the object to the desired force (generally with the goal of crushing, straightening, or moulding the work piece).

Hazards Involved/Arise

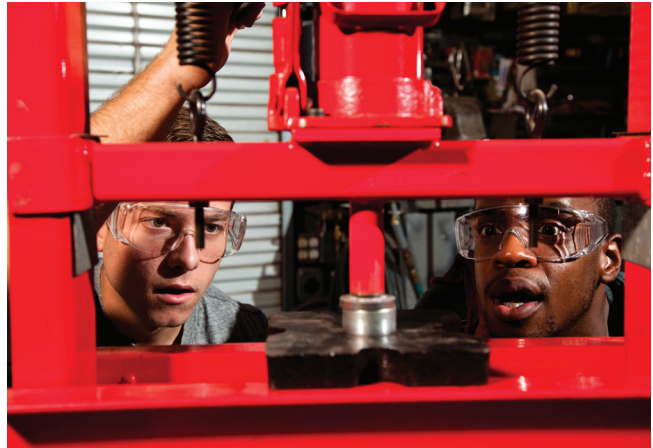
- Crushing/pinching (hand or finger)
- Flying objects (workpiece, machine components)
- Manual handling when loading/unloading workpiece
- Workpiece displacement during operation causing contact with hands/body

People Affected

- Operators (primarily shop workers)
- Others working in the area
- Maintenance personnel

Existing Controls

- Installation and preventative maintenance by competent personnel
- Defective equipment locked/tagged out
- Guarding to protect operator from crush/nip points as per CSA 142 Press Standard
- Special tools to secure work piece while keeping hands away from operation
- Training regarding safe operation, hazards, and required Personal Protective Equipment (PPE)
- Emergency shut-off switch
- Equipment cleanliness



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