

SAFETY FIRST

PLEASE POST THESE SAFETY RULES NEAR YOUR MACHINE FOR REFERENCE

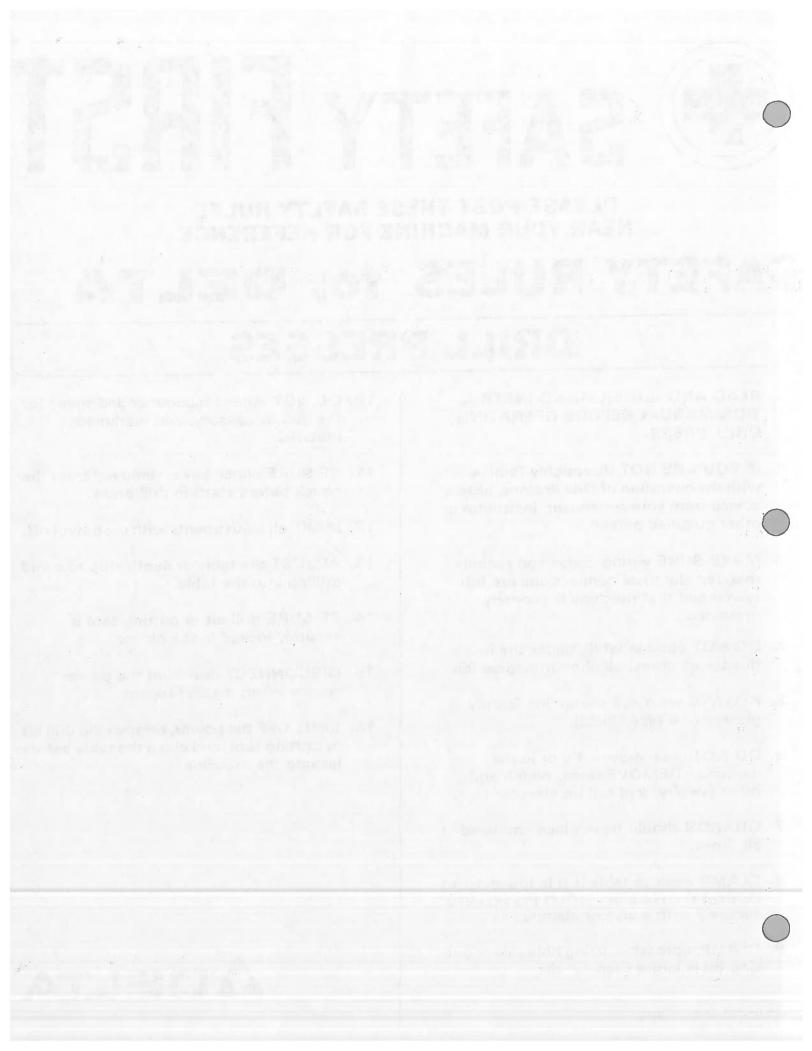
SAFETY RULES for DELTA

DRILL PRESSES

- 1. READ AND UNDERSTAND INSTRUC-TION MANUAL BEFORE OPERATING DRILL PRESS.
- 2. IF YOU ARE NOT thoroughly familiar with the operation of Drill Presses, obtain advice from your supervisor, instructor or other qualified person.
- MAKE SURE wiring codes and recommended electrical connections are followed and that machine is properly grounded.
- DO NOT operate while under the influence of drugs, alcohol or medication.
- 5. ALWAYS wear eye protection (safety glasses or a face shield).
- DO NOT wear gloves, tie or loose clothing. REMOVE rings, watch and other jewelry, and roll up sleeves.
- 7. GUARDS should be in place and used at all times.
- 8. CLAMP work to table if it is too short to contact the column. HOLD the material securely with a vise or clamps.
- 9. CLAMP work when using hole saw or cutting tools larger than ½" dia.

- DO NOT exceed recommended speed for the drill, accessory, and workpiece material.
- 11. BE SURE chuck key is removed from the chuck before starting drill press.
- 12. MAKE all adjustments with the power off.
- 13. ADJUST the table or depth stop to avoid drilling into the table.
- BE SURE drill bit or cutting tool is securely locked in the chuck.
- 15. DISCONNECT drill from the power source when making repairs.
- 16. SHUT OFF the power, remove the drill bit or cutting tool, and clean the table before leaving the machine.





DRILL PRESS

DRILL PRESS COMPETENCIES:

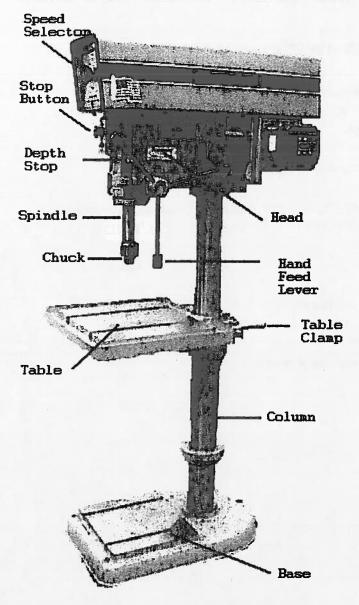
GIVEN A PROPERLY ADJUSTED AND SET-UP DRILL PRESS, INSTRUCTION AND DEMONSTRATION OF USE, EACH STUDENT WILL BE ABLE TO:

- 1. IDENTIFY THE MAIN PARTS OF A DRILL PRESS
- 2. Pass a written test on the safety and operation procedures of the drill press with AN $80\,$ % on the test.
- 3. DEMONSTRATE THE ABILITY TO USE THE DRILL PRESS WHILE OBSERVING ALL SAFETY RULES.

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4. ALWAYS WEAR SAFETY GLASSES.

IDENTIFICATION OF DRILL PRESS

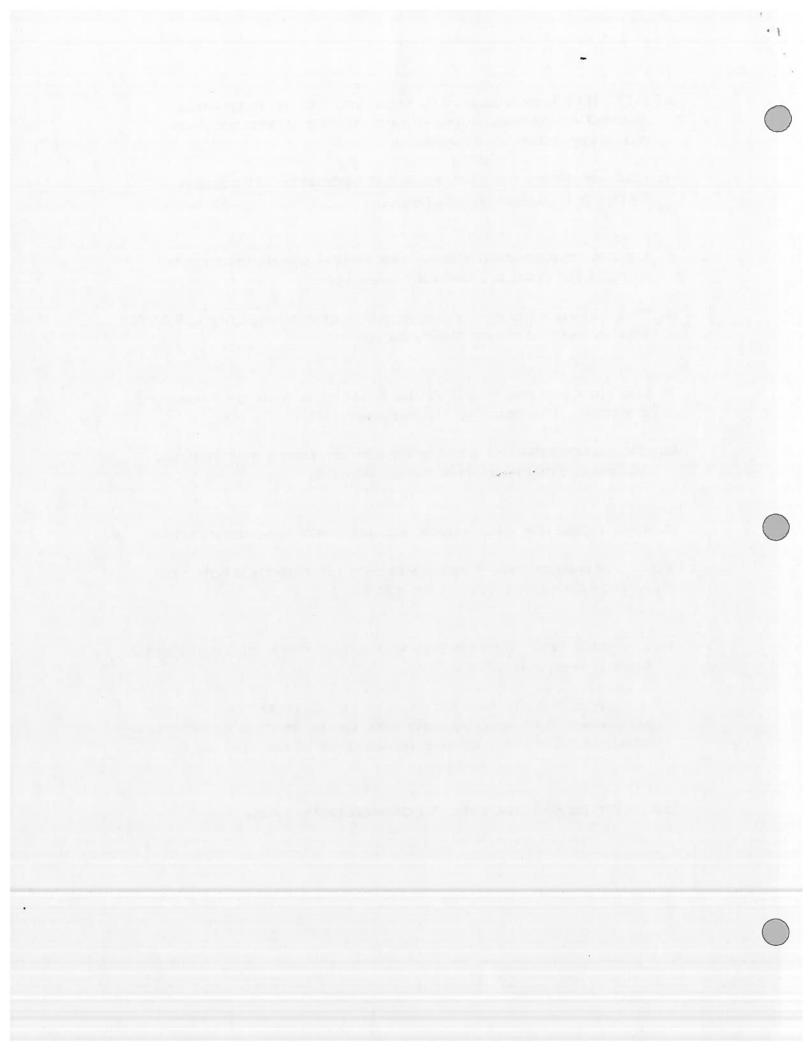


DRILL PRESS SAFETY:

- 1. ALWAYS WEAR SAFETY GLASSES
- 2. DO NOT RUN THE DRILL PRESS IF YOU HAVE NOT RECEIVED A FORMAL LESSON FROM THE TEACHER.

- 3. DO NOT WEAR GLOVES, TIES OR LOOSE CLOTHING. REMOVE RINGS, WATCH AND OTHER JEWELRY AND ROLL UP YOUR SLEEVES.
- 4. CLAMP WORK TO THE TABLE IF NEEDED. GET HELP FROM A HOLDER IF NEEDED.
- 5. Use a clamp and or a vise when using cutting bits and tools larger than $\frac{1}{2}$ ".
- 6. THE LONG END OF YOUR WORK PIECE SHOULD ALWAYS BE TO THE LEFT OF THE MACHINE.
- 7. DO NOT ALLOW YOUR FINGER, HANDS AND OR ARMS TO COME IN CONTACT WITH THE DRILL BIT.
- 8. BE SURE CHUCK KEY IS REMOVED FROM THE CHUCK BEFORE STARTING THE DRILL PRESS.
- 9. THE TEACHER WILL MAKE ALL NEEDED ADJUSTMENTS.
- 10. ADJUST THE TABLE HEIGHT OR DEPTH STOP TO AVOID DRILLING INTO THE TABLE.
- 11. DO NOT SWEEP SCRAPS AWAY WITH YOUR HANDS. USE A HAND BROOM.
- 12. WHEN YOU ARE DONE DRILLING, TURN THE MACHINE OFF AND ALLOW THE DRILL BIT TO COME TO A COMPLETE STOP BEFORE REMOVING YOUR MATERIAL.

SAFETY IS #1 IN THE TECHNOLOGY LAB.



Major use: To drill holes of various sizes at various angles in wood, metal, and/or plastic.

Operation:

- 1. Having placed a bit in the chuck adjust the worktable so the stock is just below the point of the drill bit.
- 2. Set the depth gauge.
- 3. Center the stock with the point of the drill bit.
- 4. Clamp down stock with clamps
- 5. Turn on drill press and feed the bit into the stock at a steady pace.
- 6. Slowly release the feed handle, allowing it to come to rest in the raised position before switching off the machine.

Notes: On deep cuts back the bit out of the hole to clear the wood chips, don't attempt to drill a deep hole all at once.

When drilling all the way through the stock place another board between the table and your stock.

Never drill a hole larger then 3/8" in diameter without first drilling a pilot hole.

Safety:

- 1. Always remove the chuck key from the chuck after tightening the chuck.
- 2. Always clamp work piece to the table before drilling.
- 3. Never use hand auger bits in the drill press.
- 4. When drilling round stock use a V-block.