

## STUDY GUIDE

### DADO SET SAFETY

(Table Saw Application)

NAME: \_\_\_\_\_

CLASS OR PERIOD: \_\_\_\_\_

DATE OF INSTRUCTION: \_\_\_\_\_

- |   |  |
|---|--|
| <p>1. Use the dado set <i>only</i> with your instructor's permission. <input type="checkbox"/></p>  | <p>12. Be sure the arbor nut is tightened securely. <input type="checkbox"/></p>   |
| <p>2. Keep shirt sleeves rolled up neatly. Keep clothes tucked in. Remove jewelry and watches. <input type="checkbox"/></p>   | <p>13. Be sure the throat plate is the right size. The dado set has to be clear underneath the throat plate and on both sides of the slot. <input type="checkbox"/></p>                            |
| <p>3. Check the condition of the dado set to be sure it's sharp and in good condition. Dull or damaged teeth make this tool much more dangerous than when it's sharp. <input type="checkbox"/></p>                                      | <p>14. Use the miter gage for cross-cutting. <input type="checkbox"/></p>  |
| <p>4. The wood <i>must</i> be in good condition. The wood has to be straight, smooth and free of any defects. <input type="checkbox"/></p>  | <p>15. Be sure the miter gage travels freely down the entire length of the slot. <input type="checkbox"/></p>  |
| <p>5. Some blade guards cannot be used with the dado set. Check with your instructor to be sure the blade guard on the saw is the correct type for use with the dado set. <input type="checkbox"/></p>                                  | <p>16. Use a push stick or a push block when the rip fence is used as the cutting guide. <input type="checkbox"/></p>  |
| <p>6. Auxiliary fences, or false fences, should be attached to the miter gage and the rip fence when the dado set is used. <input type="checkbox"/></p>   | <p>17. <i>Never</i> cut free-handed. Always use the miter gage or the rip fence as cutting guides. <input type="checkbox"/></p>  |
| <p>7. Disconnect the power to the saw before you install the dado set, and disconnect the power whenever you make any major changes to the set-up. Also disconnect the power when you remove the dado set. <input type="checkbox"/></p> | <p>18. Hold the material down firmly against the table and along the cutting guide. <input type="checkbox"/></p>   |
| <p>8. Make all minor changes or adjustments with the saw turned off and at a complete stop. <input type="checkbox"/></p>  | <p>19. Don't stand in the area in front of the blades; stay out of the direction of a possible kick-back. <input type="checkbox"/></p>   |
| <p>9. The dado set must be installed with all the teeth pointing toward the infeed end of the table. The teeth of the outer blades <i>and</i> the chippers must point toward where the operator stands. <input type="checkbox"/></p>    | <p>20. Keep yourself balanced and don't over-reach. <input type="checkbox"/></p>   |
| <p>10. Always use both outer blades with the chippers lined up correctly between them. <input type="checkbox"/></p>   | <p>21. Keep your arms and hands away from the areas directly in front and over the blades. <input type="checkbox"/></p>  |
| <p>11. Position the chippers so the chipper teeth are lined up with the gullets of the outer blades. <input type="checkbox"/></p>   | <p>22. Never use the rip fence itself as a stop-block. Attach a stop-block or a clearance block to the rip fence if necessary, but don't use the rip fence as a stop. <input type="checkbox"/></p> |
|   | <p>23. When you use a clearance block, clamp it to the rip fence well in front of the dado set. <input type="checkbox"/></p>   |
|   | <p>24. Use feather boards or hold-down clamps whenever possible. <input type="checkbox"/></p>  |
|   | <p>25. Don't use the dado set unless you fully understand how to use it safely and correctly. <input type="checkbox"/></p>   |

**TEST**  
**DADO SET SAFETY**  
 (Table Saw Application)

NAME: \_\_\_\_\_  
 CLASS OR PERIOD: \_\_\_\_\_  
 DATE: \_\_\_\_\_ SCORE: \_\_\_\_\_

**ALWAYS WEAR EYE PROTECTION**

1. You must have the instructor's \_\_\_\_\_ before you use the dado set.
2. Shirt sleeves should be \_\_\_\_\_ neatly, loose clothes should be tucked in, and jewelry should be taken off.
3. Check the condition of the dado set. Make sure it is \_\_\_\_\_ and in good condition.
4. The wood you're going to cut must be smooth, straight, clean and free of any \_\_\_\_\_.
5. Check with your \_\_\_\_\_ to make sure the blade guard on the saw is the correct one to use with the dado set.
6. \_\_\_\_\_ fences should be used on the miter gage and on the rip fence.
7. \_\_\_\_\_ the power to the saw before you install the dado set and before you remove it. Do this *any* time you make major adjustments.
8. \_\_\_\_\_ adjustments must be made with the saw turned off and completely stopped.
9. When the dado set is correctly installed, the teeth on the blades and the chippers all point toward the \_\_\_\_\_ side of the table.
10. Always use \_\_\_\_\_ outer blades.
11. The chipper teeth should be lined up with the \_\_\_\_\_ of the outer blades.
12. The \_\_\_\_\_ nut must be tightened securely.

**COMPLETE EACH STATEMENT  
 WITH THE CORRECT LETTER  
 OR WORDS IN THIS COLUMN**

- A. ARBOR  
 B. SAFETY  
 C. AUXILIARY  
 D. FIRMLY  
 E. FEATHER-BOARDS  
 F. PERMISSION  
 G. CLEAR  
 H. KICK-BACK  
 I. FRONT  
 J. ROLLED UP  
 K. DISCONNECT  
 L. MITER GAGE  
 M. BALANCE  
 N. SHARP  
 O. MINOR  
 P. GULLETS  
 Q. ATTACH  
 R. DEFECTS  
 S. INFEEED  
 T. FREELY  
 U. INSTRUCTOR  
 V. BOTH  
 W. PUSH STICK  
 X. BLADES  
 Y. NEVER



**TEST**  
**DADO SET SAFETY**  
 (Table Saw Application)  
 second page

NAME: \_\_\_\_\_

CLASS OR PERIOD: \_\_\_\_\_

13. Use the right type of throat plate. The dado set must \_\_\_\_\_ the throat plate on both sides and underneath.
14. Use the \_\_\_\_\_ as a guide when you are crosscutting.
15. Be sure the miter gage travels \_\_\_\_\_ along the length of the slot.
16. Use a \_\_\_\_\_ to move the wood across the dado set when the rip fence is used as a cutting guide.
17. \_\_\_\_\_ try to cut free-handed!  
Always use either the rip fence or the miter gage as a cutting guide.
18. Hold the material \_\_\_\_\_ down against the surface of the table and against the cutting guide.
19. Do not stand in the area in front of the blades. Stay clear of this area in case there is a \_\_\_\_\_.
20. Don't over-reach. Stand so you can maintain your \_\_\_\_\_.
21. Keep your arms and hands away from the area in front of and over the \_\_\_\_\_.
22. Never use the rip fence itself as a stop block. If necessary, \_\_\_\_\_ a stop block to the fence.
23. When you use a stop block or a clearance block, clamp it to the rip fence well in \_\_\_\_\_ of the dado set.
24. Use \_\_\_\_\_ or hold-down clamps whenever possible.
25. Be sure you understand all the \_\_\_\_\_ procedures before you use the dado set.

- A. ARBOR
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**12****ANSWER KEY****DADO SET SAFETY  
(Table Saw Application)****12****ANSWER KEY****DADO SET SAFETY  
(Table Saw Application)  
second page****STATEMENT  
NUMBER****CORRECT LETTER  
AND WORDS**

- |    |               |
|----|---------------|
| 1  | F. PERMISSION |
| 2  | J. ROLLED UP  |
| 3  | N. SHARP      |
| 4  | R. DEFECTS    |
| 5  | U. INSTRUCTOR |
| 6  | C. AUXILIARY  |
| 7  | K. DISCONNECT |
| 8  | O. MINOR      |
| 9  | S. INFEEED    |
| 10 | V. BOTH       |
| 11 | P. GULLETS    |
| 12 | A. ARBOR      |

**STATEMENT  
NUMBER****CORRECT LETTER  
AND WORDS**

- |    |                   |
|----|-------------------|
| 13 | G. CLEAR          |
| 14 | L. MITER GAGE     |
| 15 | T. FREELY         |
| 16 | W. PUSH STICK     |
| 17 | Y. NEVER          |
| 18 | D. FIRMLY         |
| 19 | H. KICK-BACK      |
| 20 | M. BALANCE        |
| 21 | X. BLADES         |
| 22 | Q. ATTACH         |
| 23 | I. FRONT          |
| 24 | E. FEATHER BOARDS |
| 25 | B. SAFETY         |