

Correlation of
Modern Cabinetmaking, Molzahn, Umstatt, Davis
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to
Woodwork Career Alliance: 2. Sawing

The content of the text and Lab Workbook correlates to Woodwork Career Alliance (WCA) skill standards. The WCA establishes a benchmark to measure and recognize an individual's skills and knowledge. The WCA skill standards help ensure that students are prepared for rigorous industry standards, and provide a pathway for advancement for professional woodworkers.

The WCA skill standards define the minimum requirements for specific woodworking machine operations. Using the WCA skill standards in a wood training program can help you, your students, and your program obtain industry recognition. The Modern Cabinetmaking textbook and Lab Workbook are correlated to the performance standards, helping prepare your students for certification.



Sawing Considerations

- Pre-Operation Checklist is a prerequisite for ANY operation.
- Demonstrates knowledge and proper use of all machine specific controls.
- Stock is fed in smooth, continuous motion past blade with proper feed rate while controlling stock movement and waste removal.
- Stock is supported at outfeed.
- Push stick is used when required.
- Blade is completely stopped before reaching to the rear or over it.
- Proper stance and hand position are demonstrated.
- Stock is held securely against the fence, jig, or fixture as appropriate.
- Material is pushed completely past the blade before releasing it.
- Fall off is not allowed to clutter outfeed table.
- Clears machine and cleans work area after operation.
- Required OSHA-approved personal protective equipment is worn.

- Lock-out/tag-out procedure is in place and followed.
- Process is completed in a timely manner.
- Tool/machine manufacturer’s safety rules and guidelines are followed.
- Tooling requirements are reviewed and appropriate tooling on the machine verified.
- Operator does not reach into the machine processing area while the machine is in operation.
- Stock is held securely.
- Operator clears machine and cleans work area after use.
- Stock is supported and secured from movement.
- Hand remains firmly on saw throughout entire cut.
- Saw is moved in smooth, continuous motion.
- Appropriate stance and hand position are utilized for optimum balance and control.
- Saw is pointed away from body while cutting.
- Free hand is clear of saw travel.
- Protects delicate saw teeth and cleans work area after operation.
- Stock is supported at infeed and outfeed.
- Operator is aware of work zone and safety precautions to others.
- Correct body posture utilized during machine operation.
- Operate machine safely, standing clear of kickback zone.
- Material properly staged at infeed and outfeed.
- Criteria/Performance standard requirements will apply to all operations, unless otherwise noted.
- Material is suitable for its intended purpose and checked prior to cutting for bowing, cupping, twisting, surface cracks, knots, sap, wood worm, grub holes, rocks, staples, nails, and gun shot.
- Initial trimmed cut edge is evident on entire length of material and exhibits smooth uniform saw marks with minimal burning and no back cut heeling.
- Trimmed edges are straight and parallel.
- Blade is fed in smooth, continuous motion through stock with proper feed rate while controlling stock movement and waste removal.
- Fence is positioned clear of cut-off when crosscutting.

Band Saw

Level	Objective	Performance Standards	Textbook Chapter(s)	Lab Workbook Material
Pre-Operation Checklist				
1	—	Performance Standard 1. Verifies tool is properly guarded.	Chapter 23	—

Level	Objective	Performance Standards	Textbook Chapter(s)	Lab Workbook Material
1	—	Performance Standard 2. Verifies proper throat plate is installed and properly aligned with surface of table.	Chapter 23	—
1	—	Performance Standard 3. Ensures dust collection operable/operating.	Chapter 23	—
2	—	Performance Standard 1. Selects and properly installs correct blade.	Chapter 23	—
2	—	Performance Standard 2. Installs and properly adjusts blade guard assembly to within 6 mm (1/4") [0.25"] of the given material.	Chapter 23	—
2	—	Performance Standard 3. Installs and properly adjusts throat plate.	Chapter 23	—
2	—	Performance Standard 4. Installs, adjusts, and securely locks rip fence to specified measurement.	Chapter 23	—
2	—	Performance Standard 5. Sets fence properly (dimension, parallel to blade, properly locked down).	Chapter 23	—
2	—	Performance Standard 6. Verifies/corrects table at proper angle to blade.	Chapter 23	—
2	—	Meets Level 1 performance standard.	—	—
Operation—Rough Saw Parts from a Pattern				
1	Given material, a pattern of a finished part, and machine set up and ready to cut, trace the pattern on the part and make the cut.	Performance Standard 1. Part is sawn out to required shape +1.6/–0 mm (1/16") [0.0625"] around entire part.	Chapter 23	Section Project 4-6
1	Given material, a pattern of a finished part, and machine set up and ready to cut, trace the pattern on the part and make the cut.	Performance Standard 2. Angle of cut is 90° to the face.	Chapter 23	Section Project 4-6
1	Given material, a pattern of a finished part, and machine set up and ready to cut, trace the pattern on the part and make the cut.	Performance Standard 3. Cut surfaces exhibit uniform saw marks with minimal burn marks.	Chapter 23	Section Project 4-6

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Level	Objective	Performance Standards	Textbook Chapter(s)	Lab Workbook Material
1	Given material, a pattern of a finished part, and machine set up and ready to cut, trace the pattern on the part and make the cut.	Performance Standard 4. Cut is free of tearout.	Chapter 23	Section Project 4-6
2	Given material, machine, and a pattern of a finished part, set up the saw, trace the pattern on the part, and make the cut.	Meets Level 1 performance standard.	—	—
Operation—Crosscut and Mitering				
1	Given the saw set up with the appropriate blade, and stock of a uniform thickness and width, cut one end of the board to a specified angle.	Performance Standard 1. Part is sawn to specified angle $\pm 0.5^\circ$.	Chapter 23	Section Project 4-6
1	Given the saw set up with the appropriate blade, and stock of a uniform thickness and width, cut one end of the board to a specified angle.	Performance Standard 2. Part is sawn to within $+0.8 \text{ mm}/-0$ ($1/32''/0$) [$0.0312''/-0$] of a straight line at specified angle.	Chapter 23	Section Project 4-6
2	Given the stock of a uniform thickness and width, set up equipment, cut one end of the board to a specified angle.	Meets Level 1 performance standard.	—	—
Operation—Resaw with a Pivot Block				
1	Given material and machine set up with the appropriate blade and a pivot block, resaw the material to a specified thickness.	Performance Standard 1. Dimension tolerance is $\pm 1.5 \text{ mm}$ ($1/16''$) [$0.0625''$] in thickness along entire length of material.	Chapter 23	—
1	Given material and machine set up with the appropriate blade and a pivot block, resaw the material to a specified thickness.	Performance Standard 2. Cut surfaces exhibit uniform saw marks with minimal burn marks.	Chapter 23	—

Level	Objective	Performance Standards	Textbook Chapter(s)	Lab Workbook Material
1	Given material and machine set up with the appropriate blade and a pivot block, resaw the material to a specified thickness.	Performance Standard 3. Cut is free of tearout.	Chapter 23	—
2	Given machine and material, set up machine and resaw the material to a specified thickness.	Performance Standard 1. Installs and properly adjusts pivot block.	Chapter 23	—
2	Given machine and material, set up machine and resaw the material to a specified thickness.	Meets Level 1 performance standard.	—	—
Operation—Ripping with a Fence				
1	Given material with one straight edge and machine set up and ready to cut, rip material to a specified width (> 100 mm [4"]) using the fence.	Performance Standard 1. Dimension tolerance is ± 0.8 mm (1/32") [0.031"] in width along entire length of material.	Chapter 23	Section Project 5-1
1	Given material with one straight edge and machine set up and ready to cut, rip material to a specified width (> 100 mm [4"]) using the fence.	Performance Standard 2. Angle of cut is 90° to the face.	Chapter 23	Section Project 5-1
1	Given material with one straight edge and machine set up and ready to cut, rip material to a specified width (> 100 mm [4"]) using the fence.	Performance Standard 3. Cut surfaces exhibit uniform saw marks with minimal burn marks.	Chapter 23	Section Project 5-1
1	Given material with one straight edge and machine set up and ready to cut, rip material to a specified width (> 100 mm [4"]) using the fence.	Performance Standard 4. Cut is free of tearout.	Chapter 23	Section Project 5-1

Level	Objective	Performance Standards	Textbook Chapter(s)	Lab Workbook Material
2	Given material with one straight edge, set up machine and rip material to a specified width (> 100 mm [4"]) using the fence.	Meets Level 1 performance standard.	—	—
Operation—Resaw with Power Feed				
1	Given suitable stock and the saw set up with the appropriate blade, a rip fence and a power feed mechanism, resaw stock to a specified thickness.	Performance Standard 1. Part is sawn to within +0.8 mm/–0 (1/32"/–0) [0.0312"/–0].	Chapters 23, 38	—
2	Given suitable stock, set up equipment, and resaw stock with a power feed mechanism to a specified thickness.	Performance Standard 1. Installs and properly adjusts power feed.	Chapters 23, 38	—
2	Given suitable stock, set up equipment, and resaw stock with a power feed mechanism to a specified thickness.	Meets Level 1 performance standard.	—	—

Dovetail Saw

Level	Objective	Performance Standards	Textbook Chapter(s)	Lab Workbook Material
Pre-Operation Checklist				
1	—	Performance Standard 1. Ensures operational path has no obstructions to material and operator.	Chapter 22	—
1	—	Performance Standard 2. Verifies appropriate saw is selected with rip teeth @ no greater than 6.5 mm [0.25"] kerf.	Chapter 22	—
1	—	Performance Standard 3. Verifies area is clear for blade travel.	Chapter 22	—
1	—	Performance Standard 4. Demonstrates proper grip and stance.	Chapter 22	—
2	—	Meets Level 1 performance standard.	—	—

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Level	Objective	Performance Standards	Textbook Chapter(s)	Lab Workbook Material
Operation—Through Dovetails: 1 & 3				
1	Given 2 pieces of material nom. 1/2" × 3" × 6" properly prepared and marked, and tool ready to cut, execute angle cuts and crosscuts to create the joint.	Performance Standard 1. Angled cuts stop at the scribed line.	Chapter 37	Section Project 4-5
1	Given 2 pieces of material nom. 1/2" × 3" × 6" properly prepared and marked, and tool ready to cut, execute angle cuts and crosscuts to create the joint.	Performance Standard 2. Angle cuts are perpendicular to face.	Chapter	
1	Given 2 pieces of material nom. 1/2" × 3" × 6" properly prepared and marked, and tool ready to cut, execute angle cuts and crosscuts to create the joint.	Performance Standard 3. Shoulder cuts follow and remove the scribed line.	Chapter 37	Section Project 4-5
1	Given 2 pieces of material nom. 1/2" × 3" × 6" properly prepared and marked, and tool ready to cut, execute angle cuts and crosscuts to create the joint.	Performance Standard 4. Shoulder cuts stop at the angle cut.	Chapter 37	Section Project 4-5
1	Given 2 pieces of material nom. 1/2" × 3" × 6" properly prepared and marked, and tool ready to cut, execute angle cuts and crosscuts to create the joint.	Performance Standard 5. Cuts are 90° to face of panel.	Chapter 37	Section Project 4-5
1	Given 2 pieces of material nom. 1/2" × 3" × 6" properly prepared and marked, and tool ready to cut, execute angle cuts and crosscuts to create the joint.	Performance Standard 6. Half-pins rip cut perpendicular to end grain.	Chapter 37	Section Project 4-5

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Level	Objective	Performance Standards	Textbook Chapter(s)	Lab Workbook Material
1	Given 2 pieces of material nom. 1/2" × 3" × 6" properly prepared and marked, and tool ready to cut, execute angle cuts and crosscuts to create the joint.	Performance Standard 7. Half-pin cuts stop at scribed line.	Chapter 37	Section Project 4-5
1	Given 2 pieces of material nom. 1/2" × 3" × 6" properly prepared and marked, and tool ready to cut, execute angle cuts and crosscuts to create the joint.	Performance Standard 8. Waste material cleaned exactly to scribed line.	Chapter 37	Section Project 4-5
1	Given 2 pieces of material nom. 1/2" × 3" × 6" properly prepared and marked, and tool ready to cut, execute angle cuts and crosscuts to create the joint.	Performance Standard 9. No gap in assembled joint greater than 1 mm [0.04"].	Chapter 37	Section Project 4-5
2	Given 2 pieces of material nom. 1/2" × 3" × 12", and tool ready to cut, create a 4-sided square box, the sides of which shall exceed 4", with one tail in each corner.	Performance Standard 1. Sides of box equal ±0.8 mm (1/32") [0.0312"].	Chapter 37	—
2	Given 2 pieces of material nom. 1/2" × 3" × 12", and tool ready to cut, create a 4-sided square box, the sides of which shall exceed 4", with one tail in each corner.	Performance Standard 2. Sides of box parallel to each other ±0.8 mm (1/32") [0.0312"].	Chapter 37	—
2	Given 2 pieces of material nom. 1/2" × 3" × 12", and tool ready to cut, create a 4-sided square box, the sides of which shall exceed 4", with one tail in each corner.	Performance Standard 3. No more than two gaps in whole assembly greater than 1 mm [0.04"].	Chapter 37	—

Level	Objective	Performance Standards	Textbook Chapter(s)	Lab Workbook Material
2	Given 2 pieces of material nom. 1/2" × 3" × 12", and tool ready to cut, create a 4-sided square box, the sides of which shall exceed 4", with one tail in each corner.	With the exception of gaps, meets Level 1 performance standard.	—	—
Operation—Half-Blind Dovetail Joints				
1	Given one piece of material nom. 1/2" × 3" × 6" and one piece nom. 3/4" × 3" × 6", properly prepared and marked, and tool ready to cut, execute angle cuts and crosscuts to create a half-blind joint with one tail.	Performance Standard 1. Angle cuts stop at the scribed line.	Chapter 37	Section Project 4-5
1	Given one piece of material nom. 1/2" × 3" × 6" and one piece nom. 3/4" × 3" × 6", properly prepared and marked, and tool ready to cut, execute angle cuts and crosscuts to create a half-blind joint with one tail.	Performance Standard 2. Angle cuts are perpendicular to the face.	Chapter 37	Section Project 4-5
1	Given one piece of material nom. 1/2" × 3" × 6" and one piece nom. 3/4" × 3" × 6", properly prepared and marked, and tool ready to cut, execute angle cuts and crosscuts to create a half-blind joint with one tail.	Performance Standard 3. Shoulder cuts follow and remove scribed line.	Chapter 37	Section Project 4-5

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Level	Objective	Performance Standards	Textbook Chapter(s)	Lab Workbook Material
1	Given one piece of material nom. 1/2" × 3" × 6" and one piece nom. 3/4" × 3" × 6", properly prepared and marked, and tool ready to cut, execute angle cuts and crosscuts to create a half-blind joint with one tail.	Performance Standard 4. Cuts are 90° to face of panel.	Chapter 37	Section Project 4-5
1	Given one piece of material nom. 1/2" × 3" × 6" and one piece nom. 3/4" × 3" × 6", properly prepared and marked, and tool ready to cut, execute angle cuts and crosscuts to create a half-blind joint with one tail.	Performance Standard 5. Half-pins rip cuts in perpendicular to end grain.	Chapter 37	Section Project 4-5
1	Given one piece of material nom. 1/2" × 3" × 6" and one piece nom. 3/4" × 3" × 6", properly prepared and marked, and tool ready to cut, execute angle cuts and crosscuts to create a half-blind joint with one tail.	Performance Standard 6. Half-pin cuts stop at scribed line.	Chapter 37	Section Project 4-5
1	Given one piece of material nom. 1/2" × 3" × 6" and one piece nom. 3/4" × 3" × 6", properly prepared and marked, and tool ready to cut, execute angle cuts and crosscuts to create a half-blind joint with one tail.	Performance Standard 7. Waste material cleaned exactly to scribed line.	Chapter 37	Section Project 4-5

Level	Objective	Performance Standards	Textbook Chapter(s)	Lab Workbook Material
1	Given one piece of material nom. 1/2" × 3" × 6" and one piece nom. 3/4" × 3" × 6", properly prepared and marked, and tool ready to cut, execute angle cuts and crosscuts to create a half-blind joint with one tail.	Performance Standard 8. No gap in assembled joint greater than 1 mm (0.4").	Chapter 37	Section Project 4-5
1	Given one piece of material nom. 1/2" × 3" × 6" and one piece nom. 3/4" × 3" × 6", properly prepared and marked, and tool ready to cut, execute angle cuts and crosscuts to create a half-blind joint with one tail.	Performance Standard 9. End tail fits snugly against socket cut in 3/4" material.	Chapter 37	Section Project 4-5
2	Given one piece of material nom. 1/2" × 3" × 18" and one piece nom. 3/4" × 3" × 6", and tool(s) ready to cut, lay out joints and create a 4-sided square box with half-blind joints at the 3/4 board and through dovetails at the opposite end, one tail each corner.	Performance Standard 1. Sides of box are equal ±0.8 mm (1/32") [0.0312"].	Chapter 37	—
2	Given one piece of material nom. 1/2" × 3" × 18" and one piece nom. 3/4" × 3" × 6", and tool(s) ready to cut, lay out joints and create a 4-sided square box with half-blind joints at the 3/4 board and through dovetails at the opposite end, one tail each corner.	Performance Standard 2. Sides of box are parallel to each other ±0.8 mm (1/32") [0.0312"].	Chapter 37	—

Level	Objective	Performance Standards	Textbook Chapter(s)	Lab Workbook Material
2	Given one piece of material nom. 1/2" × 3" × 18" and one piece nom. 3/4" × 3" × 6", and tool(s) ready to cut, lay out joints and create a 4-sided square box with half-blind joints at the 3/4 board and through dovetails at the opposite end, one tail each corner.	Performance Standard 3. No more than 2 gaps in whole assembly greater than 1 mm (0.04").	Chapter 37	—
2	Given one piece of material nom. 1/2" × 3" × 18" and one piece nom. 3/4" × 3" × 6", and tool(s) ready to cut, lay out joints and create a 4-sided square box with half-blind joints at the 3/4 board and through dovetails at the opposite end, one tail each corner.	Performance Standard 4. Ends of tails fit snugly against sockets cut in 3/4" material.	Chapter 37	—
2	Objective	With the exception of gaps, meets Level 1 performance standard.	—	—

Portable Power Miter Saw

Level	Objective	Performance Standards	Textbook Chapter(s)	Lab Workbook Material
Pre-Operation Checklist				
1	—	Performance Standard 1. Verifies blade guard is functioning properly.	Chapter 22	—
1	—	Performance Standard 2. Confirms blade is installed securely.	Chapter 22	—
1	—	Performance Standard 3. Confirms tables are level and square to fence.	Chapter 22	—
1	—	Performance Standard 4. Ensures fence is free of obstruction in both directions.	Chapter 22	—
1	—	Performance Standard 5. Verifies tool is properly guarded.	Chapter 22	—

Level	Objective	Performance Standards	Textbook Chapter(s)	Lab Workbook Material
1	—	Performance Standard 6. Confirms infeed and outfeed tables are level and square to fence.	Chapter 22	—
1	—	Performance Standard 7. Verifies arm operation depresses and retracts properly.	Chapter 22	—
1	—	Performance Standard 8. Verifies ample clearance for material movement in both directions.	Chapter 22	—
2	—	Performance Standard 1. Calibrates stops (if equipped).	Chapter 22	—
2	—	Performance Standard 2. Verifies/adjusts miter/bevel scales, ensuring they are properly calibrated.	Chapter 22	—
2	—	Meets Level 1 performance standard.	—	—
Operation—Square Crosscut (90° Miter)				
1	Given material and saw set up and ready to operate, crosscut material to a given length at 90°.	Performance Standard 1. Dimension tolerance is ± 0.4 mm (1/64") [0.0156"].	Chapter 22	Section Project 4-5 Section Project 5-2
1	Given material and saw set up and ready to operate, crosscut material to a given length at 90°.	Performance Standard 2. Angle of crosscut is 90° to the edge.	Chapter 22	Section Project 4-5 Section Project 5-2
1	Given material and saw set up and ready to operate, crosscut material to a given length at 90°.	Performance Standard 3. Cut surfaces exhibit uniform saw marks without burning or defects.	Chapter 22	Section Project 4-5 Section Project 5-2
1	Given material and saw set up and ready to operate, crosscut material to a given length at 90°.	Performance Standard 4. Cut is free of tearout.	Chapter 22	Section Project 4-5 Section Project 5-2
2	Select material and set up saw to crosscut material to a given length at 90°.	Performance Standard 1. Selects and installs appropriate blade.	Chapter 22	—

Level	Objective	Performance Standards	Textbook Chapter(s)	Lab Workbook Material
2	Select material and set up saw to crosscut material to a given length at 90°.	Performance Standard 2. Sets stops to achieve consistent given length.	Chapter 22	—
2	Select material and set up saw to crosscut material to a given length at 90°.	Meets Level 1 performance standard.	—	—
Operation—45° Miter				
1	Given material and saw set up and ready to operate, cut linear stock to a given length with opposing 45° ends.	Performance Standard 1. Dimension tolerance is ± 0.4 mm (1/64") [0.0156"] to inside corner of miters.	Chapter 22	Section Project 4-5 Section Project 5-2
1	Given material and saw set up and ready to operate, cut linear stock to a given length with opposing 45° ends.	Performance Standard 2. Angle tolerance is $45^\circ \pm 0.5^\circ$.	Chapter 22	Section Project 4-5 Section Project 5-2
1	Given material and saw set up and ready to operate, cut linear stock to a given length with opposing 45° ends.	Performance Standard 3. Angle of cut is 90° to the face.	Chapter 22	Section Project 4-5 Section Project 5-2
1	Given material and saw set up and ready to operate, cut linear stock to a given length with opposing 45° ends.	Performance Standard 4. Cut surfaces exhibit uniform saw marks without burn or defects.	Chapter 22	Section Project 4-5 Section Project 5-2
1	Given material and saw set up and ready to operate, cut linear stock to a given length with opposing 45° ends.	Performance Standard 5. Cut is free of tearout on exposed face of joint.	Chapter 22	Section Project 4-5 Section Project 5-2
2	Select material and set up saw to cut linear stock to a given length with opposing 45° ends.	Performance Standard 1. Selects and installs appropriate blade.	Chapter 23	—
2	Select material and set up saw to cut linear stock to a given length with opposing 45° ends.	Performance Standard 2. Sets stops to achieve consistent given length.	Chapter 22	—

Level	Objective	Performance Standards	Textbook Chapter(s)	Lab Workbook Material
2	Select material and set up saw to cut linear stock to a given length with op-posing 45° ends.	Performance Standard 3. More stringent angle tolerance is 45° ±0.1°.	Chapter 22	—
2	Select material and set up saw to cut linear stock to a given length with op-posing 45° ends.	Meets Level 1 performance standard.	—	—
Operation—Scarf Joint				
1	Given material and saw set up and ready to operate, cut profiled trim pieces to create a scarf joint.	Performance Standard 1. Angle tolerance of ±0.5°.	Chapters 22, 37	—
1	Given material and saw set up and ready to operate, cut profiled trim pieces to create a scarf joint.	Performance Standard 2. Profiled faces are flush ±0.4 mm (1/64") [0.0156"] when joined together.	Chapters 22, 37	—
1	Given material and saw set up and ready to operate, cut profiled trim pieces to create a scarf joint.	Performance Standard 3. Cut is 90° to the face ±0.5°.	Chapters 22, 37	—
1	Given material and saw set up and ready to operate, cut profiled trim pieces to create a scarf joint.	Performance Standard 4. Cut surfaces exhibit uniform saw marks without burn or defects.	Chapters 22, 37	—
1	Given material and saw set up and ready to operate, cut profiled trim pieces to create a scarf joint.	Performance Standard 5. Cut is free of tearout.	Chapters 22, 37	—
2	Select material and set up saw to cut profiled trim pieces to create a scarf joint.	Performance Standard 1. Appropriate scarf angle is selected.	Chapters 22, 37	—
2	Select material and set up saw to cut profiled trim pieces to create a scarf joint.	Performance Standard 2. More stringent angle tolerance is ±0.1°.	Chapters 22, 37	—

Level	Objective	Performance Standards	Textbook Chapter(s)	Lab Workbook Material
2	Select material and set up saw to cut profiled trim pieces to create a scarf joint.	Performance Standard 3. Cut is 90° to the face.	Chapters 22, 37	—
2	Select material and set up saw to cut profiled trim pieces to create a scarf joint.	Performance Standard 4. Bevel or angle is set depending on cut to be made flat or vertically.	Chapters 22, 37	—
2	Select material and set up saw to cut profiled trim pieces to create a scarf joint.	Meets Level 1 performance standard.	—	—
Operation—135° Miter				
1	Given material and saw set up and ready to operate, cut profiled trim pieces to create an assembly totaling 135°.	Performance Standard 1. Combined angular tolerance (both pieces) $\pm 0.5^\circ$.	Chapter 22	—
1	Given material and saw set up and ready to operate, cut profiled trim pieces to create an assembly totaling 135°.	Performance Standard 2. Profiled faces are flush when joined together.	Chapter 22	—
1	Given material and saw set up and ready to operate, cut profiled trim pieces to create an assembly totaling 135°.	Performance Standard 3. Dimension tolerance is ± 0.4 mm (1/64") [0.0156"].	Chapter 22	—
1	Given material and saw set up and ready to operate, cut profiled trim pieces to create an assembly totaling 135°.	Performance Standard 4. Cut surfaces exhibit uniform saw marks without burn or defects.	Chapter 22	—
1	Given material and saw set up and ready to operate, cut profiled trim pieces to create an assembly totaling 135°.	Performance Standard 5. Cut is free of tearout on exposed face of joint.	Chapter 22	—
2	Select material and set up saw to cut profiled trim pieces to create an assembly totaling 135°.	Performance Standard 1. Correct blade installed and saw bed is clean.	Chapter 22	—

Level	Objective	Performance Standards	Textbook Chapter(s)	Lab Workbook Material
2	Select material and set up saw to cut profiled trim pieces to create an as-sembly totaling 135°.	Performance Standard 2. Saw fence is free from obstructions and calibrated accurately at correct angle setting.	Chapter 22	—
2	Select material and set up saw to cut profiled trim pieces to create an as-sembly totaling 135°.	Performance Standard 3. Side tables are level and square.	Chapter 22	—
2	Objective	Meets Level 1 performance standard.	—	—
Operation—Compound Miter				
1	Given material and saw set up and ready to operate, cut crown molding pieces to create a three-piece assembly totaling 90°.	Performance Standard 1. Combined angular tolerance of $\pm 0.5^\circ$.	Chapter 22	—
1	Given material and saw set up and ready to operate, cut crown molding pieces to create a three-piece assembly totaling 90°.	Performance Standard 2. Dimension tolerance is ± 0.4 mm (1/64") [0.0156"].	Chapter 22	—
1	Given material and saw set up and ready to operate, cut crown molding pieces to create a three-piece assembly totaling 90°.	Performance Standard 3. Profiled faces are flush when joined together, ± 0.4 mm (1/64") [0.0156"].	Chapter 22	—
1	Given material and saw set up and ready to operate, cut crown molding pieces to create a three-piece assembly totaling 90°.	Performance Standard 4. Cut surfaces exhibit uniform saw marks without burn or defects.	Chapter 22	—
1	Given material and saw set up and ready to operate, cut crown molding pieces to create a three-piece assembly totaling 90°.	Performance Standard 4. Cut is free of tearout on exposed face of joint.	Chapter 22	—
2	Select material and set up equipment.	Performance Standard 1. Select and install appropriate blade.	Chapter 22	—
2	Select material and set up equipment.	Performance Standard 2. Saw is checked for angle accuracy.	Chapter 22	—

Level	Objective	Performance Standards	Textbook Chapter(s)	Lab Workbook Material
2	Select material and set up equipment.	Performance Standard 3. Correct angle/bevel combination is selected (if using a compound miter saw).	Chapter 22	—
2	Select material and set up equipment.	Meets Level 1 performance standard.	—	—

Radial Arm Saw

Level	Objective	Performance Standards	Textbook Chapter(s)	Lab Workbook Material
Pre-Operation Checklist				
1	—	Performance Standard 1. Verifies tool is properly guarded.	Chapter 23	—
1	—	Performance Standard 2. Ensures anti-kickback pawl is in place and properly adjusted.	Chapter 23	—
1	—	Performance Standard 3. Verifies dust collection operable/operating.	Chapter 23	—
2	—	Performance Standard 1. Removes blade and installs new one.	Chapter 23	—
2	—	Performance Standard 2. Installs and properly adjusts blade guard.	Chapter 23	—
2	—	Performance Standard 3. Verifies/corrects head angle and arm angle.	Chapter 23	—
2	—	Meets Level 1 performance standard.	—	—
Operation—Crosscut				
1	Given solid stock and the tool set up ready to cut, safely crosscut stock perpendicular to the adjacent edge to specified lengths.	Performance Standard 1. Angle of crosscut is 90° to the edge.	Chapter 23	—
1	Given solid stock and the tool set up ready to cut, safely crosscut stock perpendicular to the adjacent edge to specified lengths.	Performance Standard 2. Angle of cut is 90° to the face.	Chapter 23	—

Level	Objective	Performance Standards	Textbook Chapter(s)	Lab Workbook Material
1	Given solid stock and the tool set up ready to cut, safely crosscut stock perpendicular to the adjacent edge to specified lengths.	Performance Standard 3. Dimension tolerance for length is ± 0.4 mm ($1/64$ " [0.0156"]).	Chapter 23	—
1	Given solid stock and the tool set up ready to cut, safely crosscut stock perpendicular to the adjacent edge to specified lengths.	Performance Standard 4. Cut surfaces exhibit uniform saw marks with minimal burn marks.	Chapter 23	—
1	Given solid stock and the tool set up ready to cut, safely crosscut stock perpendicular to the adjacent edge to specified lengths.	Performance Standard 5. Cut is free of tearout.	Chapter 23	—
2	Given material and machine, set up to crosscut material perpendicular to the adjacent edge to specified lengths.	Performance Standard 1. Sets length stop or stops to yield specified length(s).	Chapter 23	—
2	Given material and machine, set up to crosscut material perpendicular to the adjacent edge to specified lengths.	Performance Standard 2. Calibrates the head angle and arm angle to 90° .	Chapter 23	—
2	Given material and machine, set up to crosscut material perpendicular to the adjacent edge to specified lengths.	Meets Level 1 performance standard.	—	—

Saber Saw

Level	Objective	Performance Standards	Textbook Chapter(s)	Lab Workbook Material
Pre-Operation Checklist				
1	—	Performance Standard 1. Demonstrates knowledge of and proper use of all tool specific controls.	Chapter 22	—
1	—	Performance Standard 2. Ensures operational path has no obstructions to material and operator.	Chapter 22	—
1	—	Performance Standard 3. Verifies sole plate is installed correctly and tight.	Chapter 22	—
1	—	Performance Standard 4. Verifies area below cutting line is clear for blade travel.	Chapter 22	—
1	—	Performance Standard 5. Verifies jigs and/or fixtures are secure and operating effectively.	Chapter 22	—
1	—	Performance Standard 6. Verifies switch is off before plugging in tool.	Chapter 22	—
2	—	Performance Standard 1. Installs cutting tool properly.	Chapter 22	—
2	—	Performance Standard 2. Verifies cutting tools are secure and free of defects.	Chapter 22	—
2	—	Performance Standard 3. Installs and properly adjusts required jigs and fixtures.	Chapter 22	—
2	—	Performance Standard 4. Verifies sole plate is free from obstructions and calibrated to 90° with blade.	Chapter 22	—
2	—	Meets Level 1 performance standard.	—	—
Operation—Straight Line Cutting				
1	Given material and tool set up and ready to operate, rip or crosscut solid stock or sheet material (> 12" [300 mm]) to a specified dimension.	Performance Standard 1. Material is properly supported in clamp or vice.	Chapter 22	—

Level	Objective	Performance Standards	Textbook Chapter(s)	Lab Workbook Material
1	Given material and tool set up and ready to operate, rip or crosscut solid stock or sheet material (> 12" [300 mm]) to a specified dimension.	Performance Standard 2. Base of saw remains in full, flat contact with stock.	Chapter 22	—
1	Given material and tool set up and ready to operate, rip or crosscut solid stock or sheet material (> 12" [300 mm]) to a specified dimension.	Performance Standard 3. Dimension tolerance of ± 0.8 mm (1/32") [0.0312"].	Chapter 22	—
1	Given material and tool set up and ready to operate, rip or crosscut solid stock or sheet material (> 12" [300 mm]) to a specified dimension.	Performance Standard 4. Cut edge is 90° to face of panel.	Chapter 22	—
1	Given material and tool set up and ready to operate, rip or crosscut solid stock or sheet material (> 12" [300 mm]) to a specified dimension.	Performance Standard 5. Cut surfaces exhibit uniform saw marks without burn or defects.	Chapter 22	—
1	Given material and tool set up and ready to operate, rip or crosscut solid stock or sheet material (> 12" [300 mm]) to a specified dimension.	Performance Standard 6. Cut off material is safely supported, without binding or splitting.	Chapter 22	—
2	Given material, set up equipment with the proper blade for material being cut, crosscut stock to specified length.	Performance Standard 1. Marks stock to specified dimension/pattern.	Chapter 22	—

Level	Objective	Performance Standards	Textbook Chapter(s)	Lab Workbook Material
2	Given material, set up equipment with the proper blade for material being cut, crosscut stock to specified length.	Performance Standard 2. Selects and installs proper blade.	Chapter 22	—
2	Given material, set up equipment with the proper blade for material being cut, crosscut stock to specified length.	Meets Level 1 performance standard.	—	—
Operation—Rectangular Cutout				
1	Given material and tool set up and ready to operate with cutout marked and starting hole bored to accept blade, perform operation.	Performance Standard 1. Material is properly supported in clamp or vice.	Chapter 22	—
1	Given material and tool set up and ready to operate with cutout marked and starting hole bored to accept blade, perform operation.	Performance Standard 2. Area below cutting line is clear for blade travel.	Chapter 22	—
1	Given material and tool set up and ready to operate with cutout marked and starting hole bored to accept blade, perform operation.	Performance Standard 3. Base of saw remains in full, flat contact with stock.	Chapter 22	—
1	Given material and tool set up and ready to operate with cutout marked and starting hole bored to accept blade, perform operation.	Performance Standard 4. Cut edge is 90° to face of panel.	Chapter 22	—
1	Given material and tool set up and ready to operate with cutout marked and starting hole bored to accept blade, perform operation.	Performance Standard 5. Dimension tolerance of ± 0.8 mm (1/32") [0.0312"].	Chapter 22	—

Level	Objective	Performance Standards	Textbook Chapter(s)	Lab Workbook Material
1	Given material and tool set up and ready to operate with cutout marked and starting hole bored to accept blade, perform operation.	Performance Standard 6. Cut surfaces exhibit uniform saw marks without burn or defects.	Chapter 22	—
2	Given material and a specification for the location of the rectangle, set up equipment with the proper blade for material being cut, lay out stock, and perform cutout operation.	Performance Standard 1. Marks stock to specified dimension/pattern.	Chapter 22	—
2	Given material and a specification for the location of the rectangle, set up equipment with the proper blade for material being cut, lay out stock, and perform cutout operation.	Performance Standard 2. Selects and installs proper blade.	Chapter 22	—
2	Given material and a specification for the location of the rectangle, set up equipment with the proper blade for material being cut, lay out stock, and perform cutout operation.	Performance Standard 3. Bores starting hole to accept blade.	Chapter 22	—
2	Given material and a specification for the location of the rectangle, set up equipment with the proper blade for material being cut, lay out stock, and perform cutout operation.	Meets Level 1 performance standard.	—	—
Operation—Curved Pattern Cutting				
1	Given material and tool set up and ready to operate with cutting pattern marked, perform operation.	Performance Standard 1. Material is properly supported in clamp or vice.	Chapter 22	—

Level	Objective	Performance Standards	Textbook Chapter(s)	Lab Workbook Material
1	Given material and tool set up and ready to operate with cutting pattern marked, perform operation.	Performance Standard 2. Area below cutting line is clear for blade travel.	Chapter 22	—
1	Given material and tool set up and ready to operate with cutting pattern marked, perform operation.	Performance Standard 3. Base of saw remains in full, flat contact with stock.	Chapter 22	—
1	Given material and tool set up and ready to operate with cutting pattern marked, perform operation.	Performance Standard 4. Cut edge is 90° to face of panel.	Chapter 22	—
1	Given material and tool set up and ready to operate with cutting pattern marked, perform operation.	Performance Standard 5. Dimension tolerance of ± 0.8 mm (1/32") [0.0312"].	Chapter 22	—
1	Given material and tool set up and ready to operate with cutting pattern marked, perform operation.	Performance Standard 6. Cut surfaces exhibit uniform saw marks without burn or defects.	Chapter 22	—
2	Given material, set up equipment with the proper blade for material being cut, lay out stock, and perform operation.	Performance Standard 1. Marks stock to specified dimension/pattern.	Chapter 22	—
2	Given material, set up equipment with the proper blade for material being cut, lay out stock, and perform operation.	Performance Standard 2. Selects and installs proper blade.	Chapter 22	—
2	Given material, set up equipment with the proper blade for material being cut, lay out stock, and perform operation.	Performance Standard 3. Bores starting hole to accept blade when interior/captured pattern is required.	Chapter 22	—

Level	Objective	Performance Standards	Textbook Chapter(s)	Lab Workbook Material
2	Given material, set up equipment with the proper blade for material being cut, lay out stock, and perform operation.	Meets Level 1 performance standard.	—	—
Operation—Plunge Cutting				
2	Given material, set up equipment with the proper blade for material being cut, lay out stock, and perform operation.	Performance Standard 1. Marks stock to specified dimension/pattern.	Chapter 22	—
2	Given material, set up equipment with the proper blade for material being cut, lay out stock, and perform operation.	Performance Standard 2. Selects and installs proper blade.	Chapter 22	—
2	Given material, set up equipment with the proper blade for material being cut, lay out stock, and perform operation.	Performance Standard 3. Material is properly supported in clamp or vice.	Chapter 22	—
2	Given material, set up equipment with the proper blade for material being cut, lay out stock, and perform operation.	Performance Standard 4. Area below cutting line is clear for blade travel.	Chapter 22	—
2	Given material, set up equipment with the proper blade for material being cut, lay out stock, and perform operation.	Performance Standard 5. Eases running blade into workpiece.	Chapter 22	—
2	Given material, set up equipment with the proper blade for material being cut, lay out stock, and perform operation.	Performance Standard 6. Base of saw remains in full, flat contact with stock.	Chapter 22	—

Level	Objective	Performance Standards	Textbook Chapter(s)	Lab Workbook Material
2	Given material, set up equipment with the proper blade for material being cut, lay out stock, and perform operation.	Performance Standard 7. Cut edge is 90° to face of panel.	Chapter 22	—
2	Given material, set up equipment with the proper blade for material being cut, lay out stock, and perform operation.	Performance Standard 8. Dimension tolerance of ±0.8 mm (1/32") [0.0312"].	Chapter 22	—
2	Given material, set up equipment with the proper blade for material being cut, lay out stock, and perform operation.	Performance Standard 9. Cut surfaces exhibit uniform saw marks without burn or defects.	Chapter 22	—

Sliding Table Saw

Level	Objective	Performance Standards	Textbook Chapter(s)	Lab Workbook Material
Pre-Operation Checklist				
1	—	Performance Standard 1. Verifies position and condition of scoring blade.	Chapter 23	—
2	—	Performance Standard 1. Selects, properly installs, and aligns correct main and scoring blades.	Chapter 23	—
2	—	Performance Standard 2. Installs and properly adjusts required jigs and fixtures.	Chapter 38	—

Table Saw

Level	Objective	Performance Standards	Textbook Chapter(s)	Lab Workbook Material
Pre-Operation Checklist				
1	—	Performance Standard 1. Verifies tool is properly guarded and covered.	Chapter 23	—

Level	Objective	Performance Standards	Textbook Chapter(s)	Lab Workbook Material
1	—	Performance Standard 2. Verifies saw setup using a test piece.	Chapter 23	—
1	—	Performance Standard 3. Demonstrates knowledge of and proper use of all machine specific controls.	Chapter 23	—
1	—	Performance Standard 4. Verifies splitter/riving knife is in place and aligned with blade.	Chapter 23	—
1	—	Performance Standard 5. Verifies proper throat plate is installed and properly aligned with surface of table.	Chapter 23	—
1	—	Performance Standard 6. Verifies dust collection operable/operating.	Chapter 23	—
2	—	Performance Standard 1. Selects and properly installs correct blade.	Chapter 23	—
2	—	Performance Standard 2. Installs and properly adjusts blade guard.	Chapter 23	—
2	—	Performance Standard 3. Installs and properly adjusts throat plate.	Chapter 23	—
2	—	Performance Standard 4. Sets fence properly (dimension, parallel to blade, properly locked down).	Chapter 23	—
2	—	Performance Standard 5. Installs and properly adjusts splitter/riving knife.	Chapter 23	—
2	—	Performance Standard 6. Installs and properly adjusts required jigs and fixtures.	Chapter 23	—
2	—	Meets Level 1 performance standard.	—	—
Operation—Ripping				
1	Given material with one straight edge and machine set up and ready to cut, rip material to a specified width (> 4" [100 mm]) using the fence.	Performance Standard 1. Dimension tolerance is ± 0.4 mm (1/64") [0.0156"] in width along entire length of material.	Chapter 23	Section Project 5-1

Level	Objective	Performance Standards	Textbook Chapter(s)	Lab Workbook Material
1	Given material with one straight edge and machine set up and ready to cut, rip material to a specified width (> 4" [100 mm]) using the fence.	Performance Standard 2. Angle of cut is 90° to the face.	Chapter 23	Section Project 5-1
1	Given material with one straight edge and machine set up and ready to cut, rip material to a specified width (> 4" [100 mm]) using the fence.	Performance Standard 3. Cut surfaces exhibit uniform saw marks with minimal burn marks.	Chapter 23	Section Project 5-1
1	Given material with one straight edge and machine set up and ready to cut, rip material to a specified width (> 4" [100 mm]) using the fence.	Performance Standard 4. Cut is free of tearout.	Chapter 23	Section Project 5-1
2	Given material with one straight edge, set up machine, and rip material to a specified width (> 4" [100 mm]) using the fence.	Meets Level 1 performance standard.	—	—
Operation—Crosscutting				
1	Given material, with machine and necessary fixtures/jigs set up and ready to cut, crosscut both ends of the stock using a miter gauge or similar accessory perpendicular to the adjacent edge, to yield a specified length.	Performance Standard 1. Angle of crosscut is 90° to the edge.	Chapter 23	—

Level	Objective	Performance Standards	Textbook Chapter(s)	Lab Workbook Material
1	Given material, with machine and necessary fixtures/jigs set up and ready to cut, crosscut both ends of the stock using a miter gauge or similar accessory perpendicular to the adjacent edge, to yield a specified length.	Performance Standard 2. Angle of cut is 90° to the face.	Chapter 23	—
1	Given material, with machine and necessary fixtures/jigs set up and ready to cut, crosscut both ends of the stock using a miter gauge or similar accessory perpendicular to the adjacent edge, to yield a specified length.	Performance Standard 3. Dimension tolerance for length is ± 0.4 mm (1/64") [0.0156"].	Chapter 23	—
1	Given material, with machine and necessary fixtures/jigs set up and ready to cut, crosscut both ends of the stock using a miter gauge or similar accessory perpendicular to the adjacent edge, to yield a specified length.	Performance Standard 4. Cut surfaces exhibit uniform saw marks with minimal burn marks.	Chapter 23	—
1	Given material, with machine and necessary fixtures/jigs set up and ready to cut, crosscut both ends of the stock using a miter gauge or similar accessory perpendicular to the adjacent edge, to yield a specified length.	Performance Standard 5. Cut is free of tearout.	Chapter 23	—

Level	Objective	Performance Standards	Textbook Chapter(s)	Lab Workbook Material
2	Given material and machine, set up to crosscut both ends of the stock using a miter gauge or similar accessory perpendicular to the adjacent edge, to yield a specified length.	Performance Standard 1. Creates or installs a sacrificial fence for the operation.	Chapter 23	—
2	Given material and machine, set up to crosscut both ends of the stock using a miter gauge or similar accessory perpendicular to the adjacent edge, to yield a specified length.	Meets Level 1 performance standard.	—	—
Operation—Groove/Plough with Dado Set				
1	Given material and machine set up and ready to cut, groove/dado/plough material to specified dimensions.	Performance Standard 1. Dimension tolerance is ± 0.4 mm ($1/64$ ") [0.0156"] (both depth and width of cut along entire length).	Chapter 23	—
1	Given material and machine set up and ready to cut, groove/dado/plough material to specified dimensions.	Performance Standard 2. Cut is parallel to edge/end ± 0.4 mm ($1/64$ ") [0.0156"]	Chapter 23	—
1	Given material and machine set up and ready to cut, groove/dado/plough material to specified dimensions.	Performance Standard 3. Sides of groove/dado/plough are 90° to the face of the material.	Chapter 23	—
1	Given material and machine set up and ready to cut, groove/dado/plough material to specified dimensions.	Performance Standard 4. Cut surfaces exhibit uniform saw marks with minimal burn marks.	Chapter 23	—

Level	Objective	Performance Standards	Textbook Chapter(s)	Lab Workbook Material
1	Given material and machine set up and ready to cut, groove/dado/plough material to specified dimensions.	Performance Standard 5. Cut is free of tearout.	Chapter 23	—
2	Given material and specifications, set up machine and groove/dado/plough material to specified dimensions.	Meets Level 1 performance standard.	—	—
Operation—Mitering				
1	Given material and machine set up, cut stock to specified length and miter angle.	Performance Standard 1. Dimension tolerance of miter is $\pm 0.5^\circ$ from edge.	Chapter 23	Section Project 5-2
1	Given material and machine set up, cut stock to specified length and miter angle.	Performance Standard 2. Angle of cut is 90° to the face.	Chapter 23	Section Project 5-2
1	Given material and machine set up, cut stock to specified length and miter angle.	Performance Standard 3. Dimension tolerance for length is ± 0.4 mm ($1/64''$) [0.0156"].	Chapter 23	Section Project 5-2
1	Given material and machine set up, cut stock to specified length and miter angle.	Performance Standard 4. Cut surfaces exhibit uniform saw marks with minimal burn marks.	Chapter 23	Section Project 5-2
1	Given material and machine set up, cut stock to specified length and miter angle.	Performance Standard 5. Cut is free of tearout.	Chapter 23	Section Project 5-2
2	Given material and machine, set up machine, obtain and use mitering jig or fixture, cut stock to specified length and miter angle.	Meets Level 1 performance standard.	—	—

Operation—Beveling (45° angle)				
1	Given material with one straight edge and machine set up and ready to cut, rip material to a specified width with a 45° bevel along the edge.	Performance Standard 1. Dimension tolerance is ± 0.4 mm (1/64") [0.0156"] in width along entire length of material.	Chapter 23	—
1	Given material with one straight edge and machine set up and ready to cut, rip material to a specified width with a 45° bevel along the edge.	Performance Standard 2. Angle of bevel is $45^\circ \pm 0.5^\circ$ to the face.	Chapter 23	—
1	Given material with one straight edge and machine set up and ready to cut, rip material to a specified width with a 45° bevel along the edge.	Performance Standard 3. Cut surfaces exhibit uniform saw marks with minimal burn marks.	Chapter 23	—
1	Given material with one straight edge and machine set up and ready to cut, rip material to a specified width with a 45° bevel along the edge.	Performance Standard 4. Cut is free of tearout.	Chapter 23	—
2	Given material with one straight edge, set up machine, and rip material to a specified width with a 45° bevel along the edge.	Meets Level 1 performance standard.	—	—
Operation—Chamfering				
1	Given material and machine set up and ready to cut, cut a chamfer to specifications.	Performance Standard 1. Dimension tolerance is ± 0.4 mm (1/64") [0.0156"] (dimension of chamfer along entire length of material).	Chapter 23	—
1	Given material and machine set up and ready to cut, cut a chamfer to specifications.	Performance Standard 2. Angular tolerance: $\pm 0.5^\circ$.	Chapter 23	—

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1	Given material and machine set up and ready to cut, cut a chamfer to specifications.	Performance Standard 3. Cut surfaces exhibit uniform saw marks with minimal burn marks.	Chapter 23	—
1	Given material and machine set up and ready to cut, cut a chamfer to specifications.	Performance Standard 4. Cut is free of tearout.	Chapter 23	—
2	Given material and machine, set up machine, select and install appropriate tooling, cut chamfer to specifications.	Meets Level 1 performance standard.	—	—
Operation—Tapering				
1	Given material, taper jig, and machine set up and ready to cut, cut a taper to specifications.	Performance Standard 1. Dimension tolerance is ± 0.8 mm ($1/32$ " [0.0312 "].	Chapter 23	—
1	Given material, taper jig, and machine set up and ready to cut, cut a taper to specifications.	Performance Standard 2. Cut surfaces exhibit uniform saw marks with minimal burn marks.	Chapter 23	—
1	Given material, taper jig, and machine set up and ready to cut, cut a taper to specifications.	Performance Standard 3. Cut is free of tearout.	Chapter 23	—
2	Given material and machine, fabricate a taper jig, cut a taper to specifications.	Meets Level 1 performance standard.	—	—
Operation—Edge Rabbeting with a Dado Set				
1	Given material and machine set up and ready to cut with sacrificial fence installed, cut an edge rabbet to specified dimensions.	Performance Standard 1. Dimension tolerance is ± 0.4 mm ($1/64$ " [0.0156 "]) (both depth and width of rabbet along entire length).	Chapter 23	—
1	Given material and machine set up and ready to cut with sacrificial fence installed, cut an edge rabbet to specified dimensions.	Performance Standard 2. Inside corner of rabbet is 90° .	Chapter 23	—

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1	Given material and machine set up and ready to cut with sacrificial fence installed, cut an edge rabbet to specified dimensions.	Performance Standard 3. Cut surfaces exhibit uniform saw marks with minimal burn marks.	Chapter 23	—
1	Given material and machine set up and ready to cut with sacrificial fence installed, cut an edge rabbet to specified dimensions.	Performance Standard 4. Cut is free of tearout.	Chapter 23	—
2	Given material, set up machine, cut an edge rabbet along length of material to specified dimensions.	Performance Standard 1. Creates or installs a sacrificial fence for the operation.	Chapter 23	—
2	Given material, set up machine, cut an edge rabbet along length of material to specified dimensions.	Meets Level 1 performance standard.	—	—
Operation—Ripping Narrow Stock				
2	Given material with one straight edge, set up machine, install the correct blade, and rip material to a specified width (≤ 13 mm [$1/2$ "]) using the fence. Note: Splitter may be removed if necessary.	Performance Standard 1. Uses push stick to push stock through the cut.	Chapter 23	—
2	Given material with one straight edge, set up machine, install the correct blade, and rip material to a specified width (≤ 13 mm [$1/2$ "]) using the fence. Note: Splitter may be removed if necessary.	Performance Standard 2. Dimension tolerance is ± 0.4 mm ($1/64$ ") [0.0156 "] in width along entire length of material.	Chapter 23	—
2	Given material with one straight edge, set up machine, install the correct blade, and rip material to a specified width (≤ 13 mm [$1/2$ "]) using the fence. Note: Splitter may be removed if necessary.	Performance Standard 3. Angle of cut is 90° to the face.	Chapter 23	—

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2	Given material with one straight edge, set up machine, install the correct blade, and rip material to a specified width (≤ 13 mm [$1/2$ "]) using the fence. Note: Splitter may be removed if necessary.	Performance Standard 4. Cut surfaces exhibit uniform saw marks with minimal burn marks.	Chapter 23	—
2	Given material with one straight edge, set up machine, install the correct blade, and rip material to a specified width (≤ 13 mm [$1/2$ "]) using the fence. Note: Splitter may be removed if necessary.	Performance Standard 5. Cut is free of tearout.	Chapter 23	—