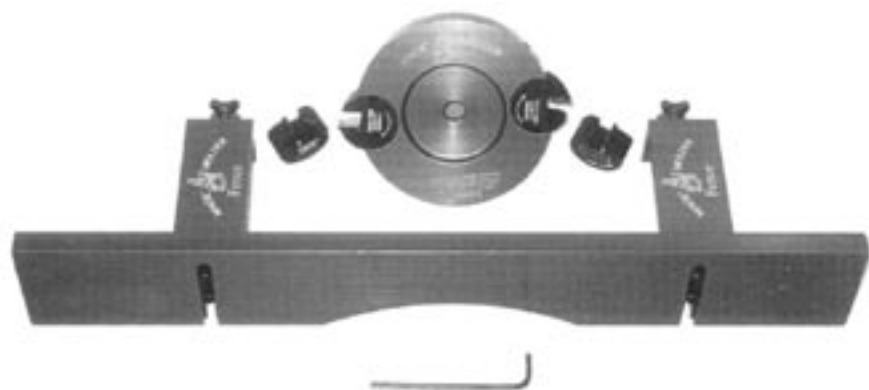


Tool Operator: Keep this manual for future Reference

The Magic Molder



Owner's Manual

Operation Guide for all models.

Detail Plug Profiles

Actual size drawings of all 80 profiles!

Example Guide

Wood Samples and Techniques Guide

Manufactured By:



LRH
Enterprises, Inc.

Available
from:



WOOD TECH
ENTERPRISES, INC.

CAUTION: Read all instructions carefully before use.

Notes

General Safety Procedures

1. Always wear safety goggles when using the Magic Molder.
2. DO NOT force the Magic Molder to do a job at a rate for which it was not designed.
3. DO NOT use the Magic Molder to do a job that it was not designed for.
4. DO NOT wear loose clothing, long-sleeve shirts, neckties, or anything on your hands and wrists. Non-slip footwear is recommended.
5. Keep proper footing and balance at all times. DO NOT reach over the Magic Molder while in operation.
6. ONLY feed work into the Magic Molder against the direction of rotating molder blades.
(DO NOT CLIMB CUT)
7. Use HOLD DOWNS to secure the work piece down. Then the hands are free to operate to molder.
8. Follow instructions for changing and lubricating molder accessories. Keep your Magic Molder sharp and clean for the best and safest performance.
9. Disconnect all power sources before removing the Magic Molder and/or before changing molder accessories.
10. Make your workshop child-proof. Prevent accidents with master switches, removable starter keys, and locks.
11. All visitors to your workshop should be kept at a safe distance from the Magic Molder in operation.
12. Avoid danger in your workshop environment by NOT operating tools in damp or wet locations. DO NOT expose your molder to rain. Provide an adequate, well-lighted, work area and surrounding work space.
13. Keep your work area clean. Cluttered areas and slippery floors invite accidents to happen.
14. Make sure that your guards are kept in place, in working order, and in proper adjustment and alignment.
15. All tools must be grounded. Make sure tools are equipped with an approved 3-conductor cord and a 3-prong grounding type plug to fit the proper grounding type receptacle. The green conductor in the cord is the grounding wire. Never connect the green wire to a live terminal.
16. Know your power tool. Read the owner's manual carefully. Learn its applications and limitations, as well as, the specific potential hazards associated with the tool.
17. Please contact Wood Tech through our web site www.woodtechttooling.com or call toll free in the U.S. A. at 1-800-TOOLING / 1-800-866-5464. Outside the U.S.A. call 1-828-628-4414 or by Fax at 1-828-628-4490.

WARNING: Failure to follow all safety and operating instructions and warnings concerning the use of this product can result in serious bodily injury.

INSTRUCTIONS APPLY TO ALL MAGIC MOLDER MODELS

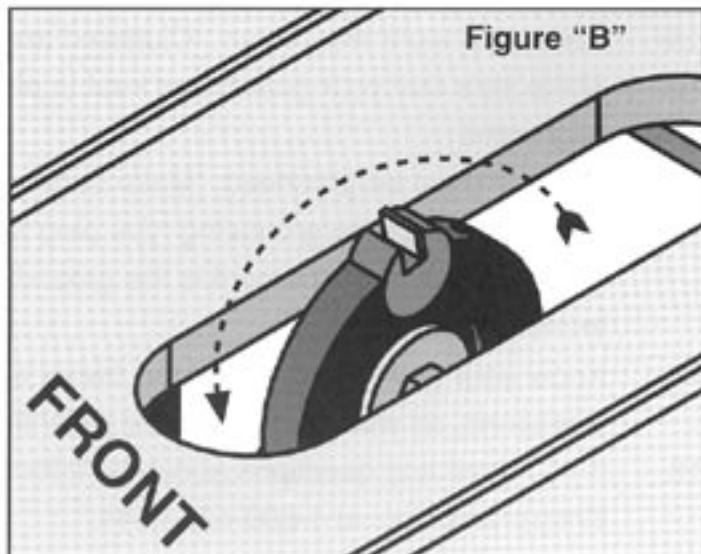
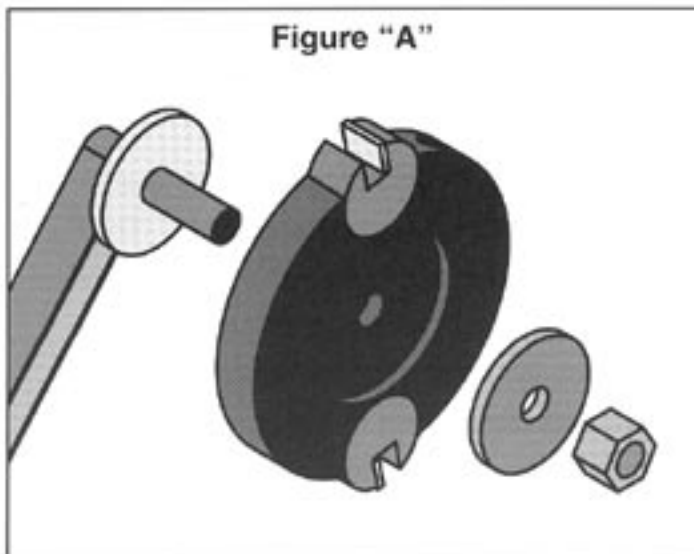


The Magic Molder cutter heads are designed for use on standard table saws. This head is NOT to be used on any non-factory and/or user-modified machine. Specifically, the Magic Molder is recommended ONLY as follows:

- For 7-1/2", 8", 9", 10", and 12" standard, factory-made table saws with 5/8", 3/4", and 1" arbors.
- NEVER OPERATE THE MAGIC MOLDER WITH LESS THAN THE FULL AMOUNT OF DETAIL PLUGS REQUIRED. DO NOT MISMATCH THE DETAIL PLUG SETS.
- Each Magic Molder set contains the necessary spacer and a wrench for mounting detail plugs in the Magic Molder.

Installing the Magic Molder on Table Saws:

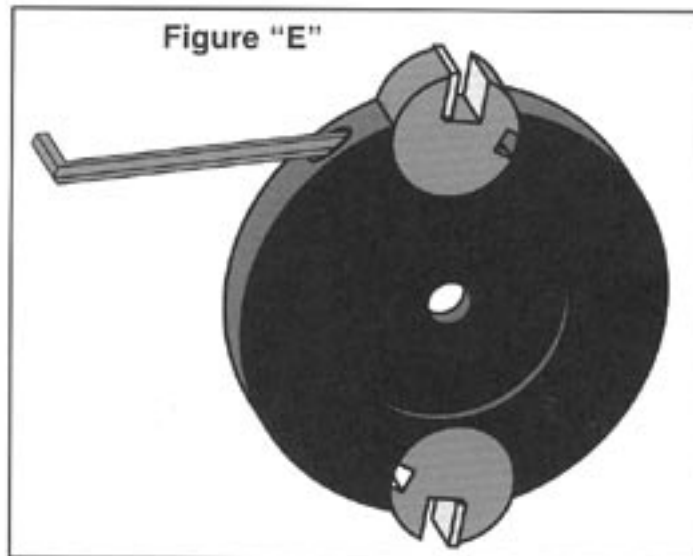
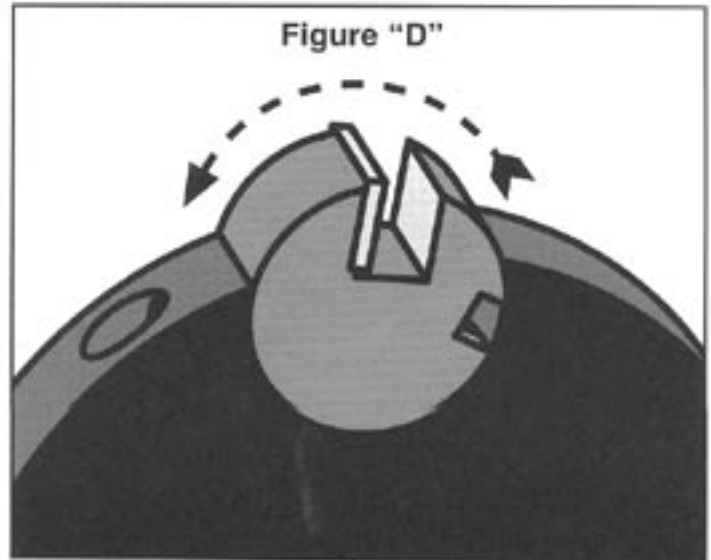
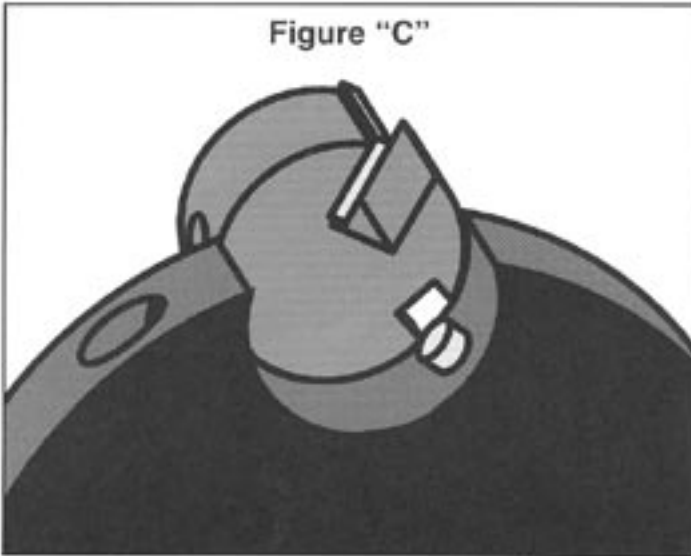
WITH THE MOTOR SWITCH OFF AND THE POWER CORD DISCONNECTED, proceed as follows. Remove the table insert; remove the splitter if necessary. Always use the proper molding head table insert. Place spacer washer on the arbor shaft, then install Magic Molder as shown in the figure below. First, place spacer onto arbor. Next, slide head into place with detail plug pointing in the direction of saw rotation. Replace outside flange washer and nut. If saw arbor is too short, leave off the outside flange washer so the nut will have full engagement of the arbor threads. Tighten the saw arbor nut securely and install the proper molding head table insert.



ALWAYS UNPLUG THE SAW AND MAKE SURE THAT POWER CANNOT ACCIDENTALLY BE TURNED ON WHILE YOU ARE INSTALLING MOLDER OR DETAIL PLUG PATTERNS.

Before starting machine, rotate the head by hand to ensure it does not touch or bind on any part of the table insert.

It is not necessary to remove head to insert other detail plugs. However, unplug the saw making sure that the power cannot accidentally be turned on while you are making detail plug changes. To install a Magic Molder Detail Plug, line up the plug's "L" shaped groove with the pin in the semi-circle of the Magic Molder (**Figure "C"**). Slide the plug in from the side and then rotate it forward to finish its positioning (**Figure "D"**). Lastly, tighten down the set screw (**Figure "E"**). This will lock the plug into place and it will also align the plug so both wings match (Self Aligning).



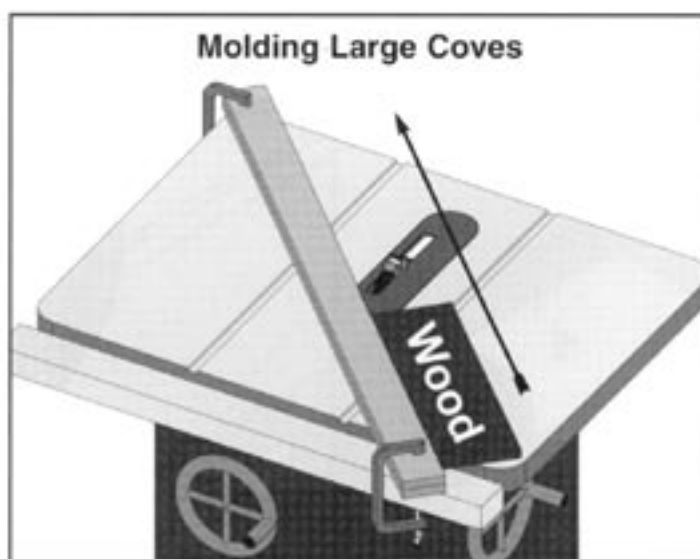
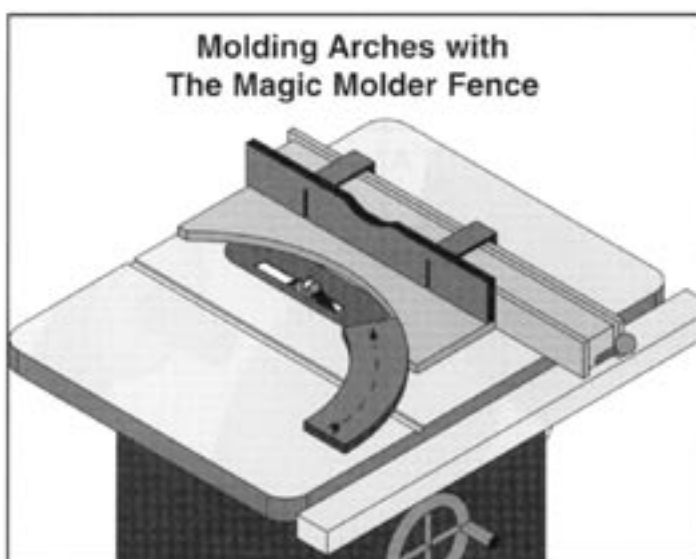
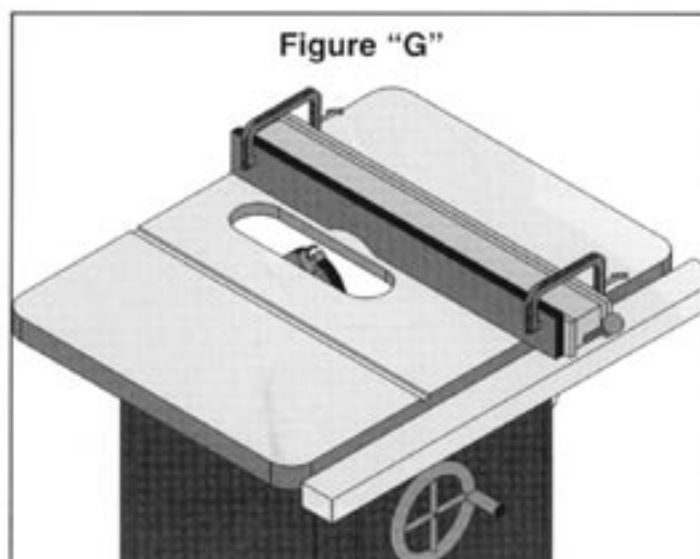
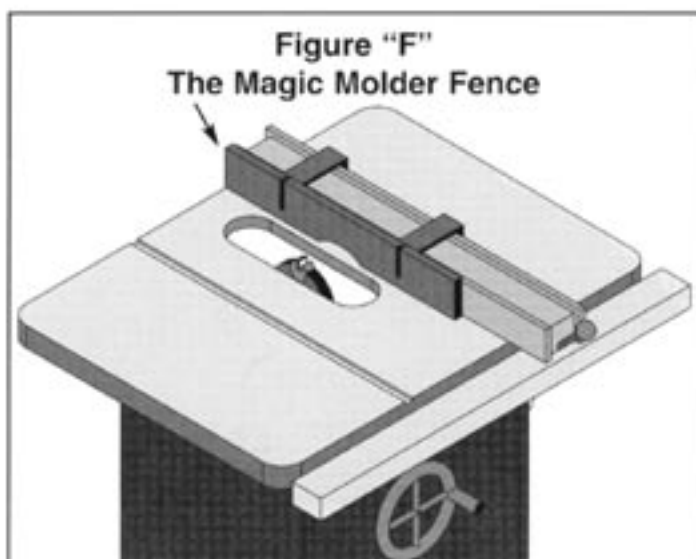
If the splitter has been removed, replace it immediately after this molding operation has been completed. The molding head table insert should be replaced with the saw blade insert when molding is finished.

There are eighty (80) profiles of detail plugs available for the Magic Molder. Custom profiles are also available. Fax a drawing to 828-628-4490 for a quote.

Before starting machine, rotate the head by hand to ensure it does not touch or bind on any part of the table insert or auxiliary fence.

Making an Auxiliary Fence:

If you do not have a molding head auxiliary fence similar to the one illustrated in **Figure "F"**, you can easily adapt your regular fence to molding operations. In **Figure "G"**, you use two 1" thick facings to fit your fence. Straight grained hardwood or other straight material is best. Cut a semi-circular notch in the bottom edge of the facing for cutter clearance. Clamp the sacrificial fence to the existing fence.



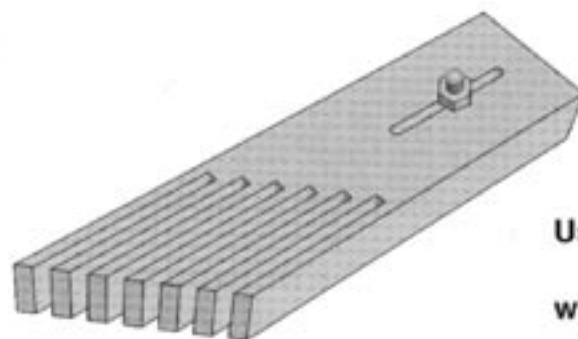
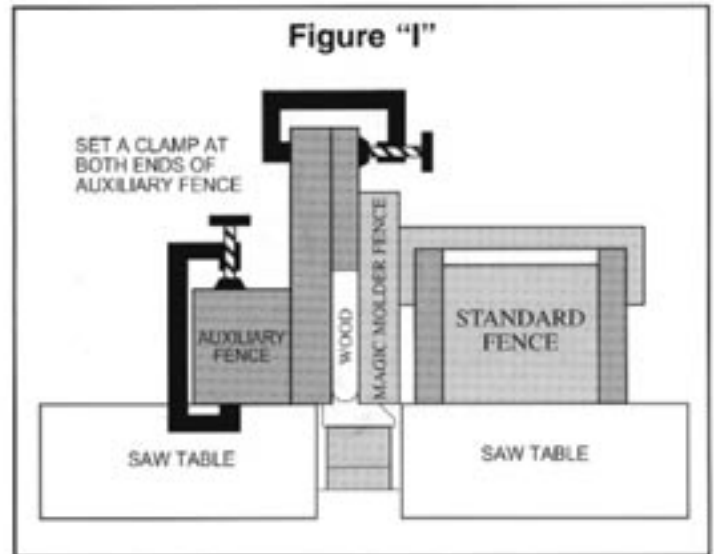
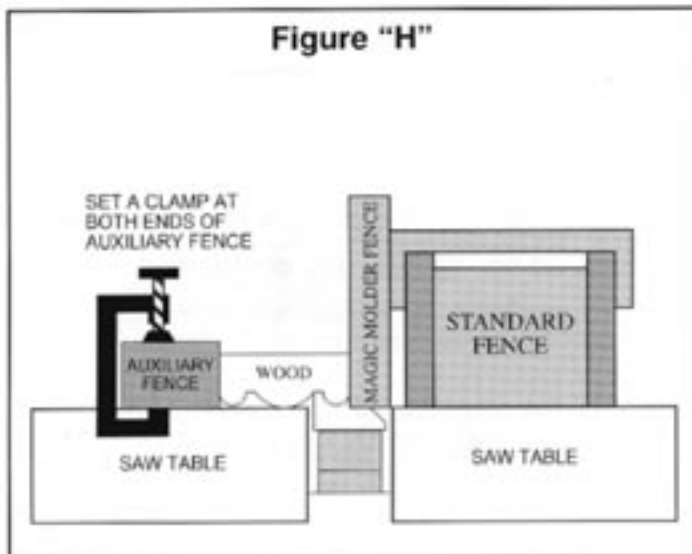
Before starting machine, rotate the head by hand to ensure it does not touch or bind on any part of the table insert or auxiliary fence.

Please refer to the L.R.H. stock numbers for all correspondence regarding the Magic Molder.

Making your own Hold Downs:

Any device that holds the work against the fence or saw table is called a "hold down." The hold down and guide illustrated in **Figure "H"** is an adjustable device for the various widths and thicknesses material. It supports the work at all times against the impact of the cutter bit. Some form of "hold down" must be used whenever possible.

Figure "I" shows a type of hold down for use in making edge cuts on wide boards where it is difficult to control the depth of cut. The strip of wood clamped on the work slides on the auxiliary fence and controls the depth of cut. On all cuts, be sure to turn the head by hand to make sure the detail plugs do not strike the table saw bed or insert.



Use Hold Downs or Feather Boards whenever possible.

FAILURE TO FOLLOW THESE INSTRUCTIONS COULD RESULT IN PROPERTY DAMAGE AND/OR SERIOUS PERSONAL INJURY

Additional Instructions For Operation of the Magic Molder:

1. Unplug power cable before changing inserts, guards, cutters/plugs, saw blades, or other tools.
2. Follow instructions that accompany the Magic Molder, inserts, or molding head guard, for proper installation on your saw.
3. DO NOT cut through knots in wood. It is safer not to cut knots at all because knots often times come out of the wood and can cause the wood to be kicked back. This can possibly cause personal injury and damage the tool. Hitting a knot is much like hitting a nail.
4. NEVER operate the Magic Molder on your table saw without:
 - a properly installed molding head table insert in place (Zero Tolerance Insert is best)
 - first installing a wood auxiliary fence to your metal rip fence
 - using a push stick (except when using a universal jig)
 - using a universal jig for all strips shorter than 14"
 - using hold downs, except when using universal jigs
5. NEVER turn on power until you revolve the Magic Molder by hand to be sure the detail plugs are tight, the head is running true, and the detail plugs do not contact any obstruction.
6. Whenever possible, use at least a 4" or 5" wide board and then rip to desired width after making molding cut.
7. Feed work into the Magic Molder slowly and AGAINST the direction of rotation (DO NOT CLIMB CUT). Maintain control to prevent kick-backs. Feed steadily for smooth, even cuts.
8. DO NOT use warped lumber.
9. Keep detail plugs sharp.
10. On large molding, take two or three shallow cuts rather than one deep cut.
11. NEVER make blind or closed end molding cuts with a molding head. See saw owner's manual for definition of blind cuts.
12. NEVER place your hand behind the molding head for any reason! All contact with the work piece on the out-feed side (behind) of the Magic Molder must be done by the hold downs.
13. Carbide tipped detail plugs can be re-sharpened or repaired by the factory when dull or damaged.

**For More information, visit us at www.woodtechttooling.com
or call toll free in the U.S. A. at 1-800-TOOLING / 1-800-866-5464
Outside the U.S. A. call 1-828-628-4414 or by Fax at 1-828-628-4490.**

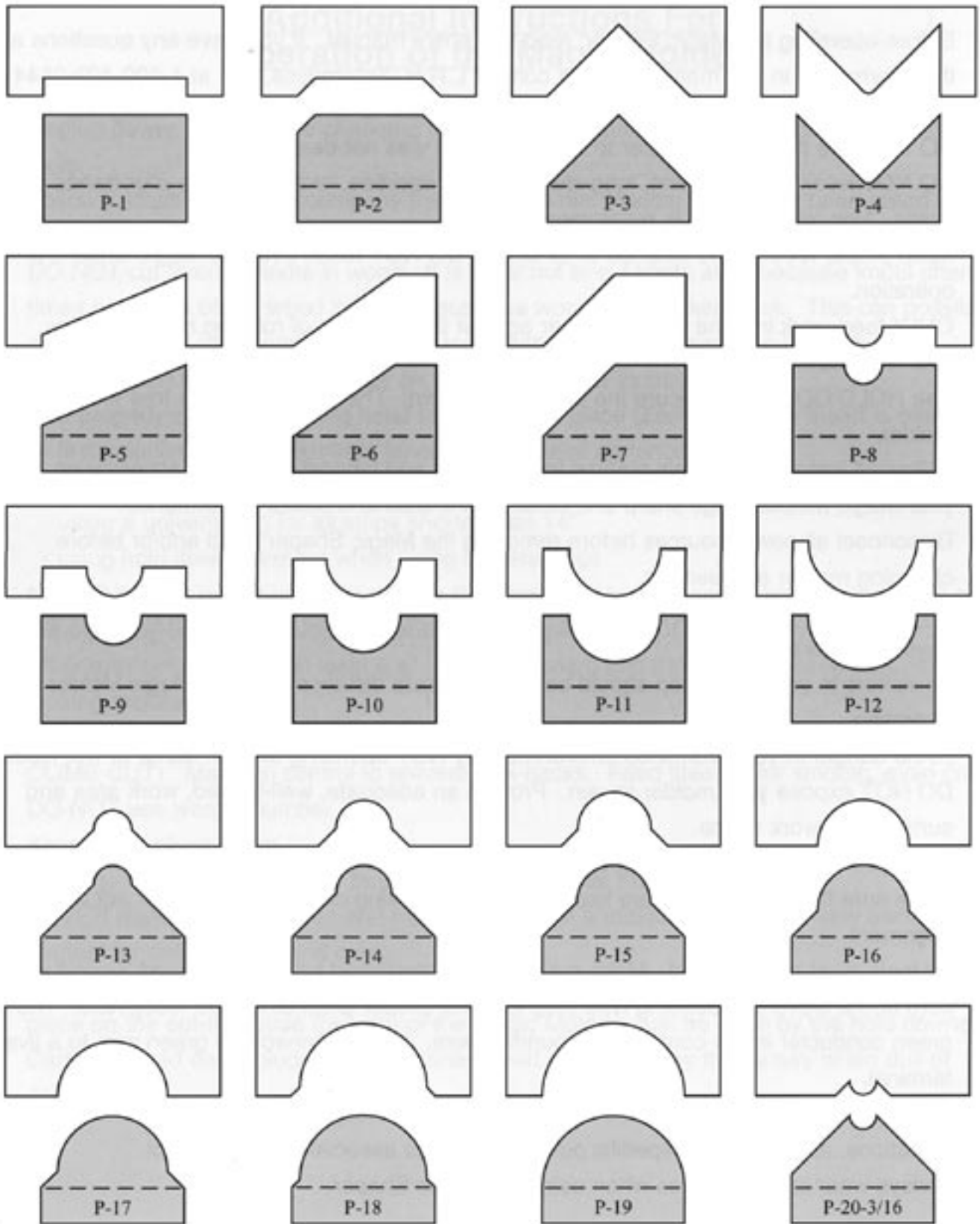
Magic Shaper Instructions

1. Before operating the Magic Shaper, read this entire manual. If you have any questions about the information in this manual, please contact Wood Tech at 1-800-TOOLING / 1-800-866-5464.
2. DO NOT force the Magic Shaper to do a job at a rate for which it was not designed.
3. DO NOT use the Magic Shaper to do a job that it was not designed for.
4. DO NOT wear loose clothing, long-sleeve shirts, neckties, or anything on your hands and wrists. Non-slip footwear is recommended.
5. Keep proper footing and balance at all times. DO NOT reach over the Magic Shaper while in operation.
6. ONLY feed work into the Magic Shaper against the direction of rotating molder blades.
(DO NOT CLIMB CUT)
7. Use HOLD DOWNS to secure the work piece down. Then the hands are free to operate to molder.
8. Follow all instructions in this manual for changing and lubricating molder accessories. Keep your Magic Molder Plugs sharp and clean for the best and safest performance.
11. Disconnect all power sources before removing the Magic Shaper head and/or before changing molder accessories.
12. Make your workshop child-proof. Prevent accidents with master switches, removable starter keys, and locks.
13. All visitors to your workshop should be kept at a safe distance from the Magic Molder in operation.
14. Avoid danger in your workshop environment by NOT operating tools in damp or wet locations. DO NOT expose your molder to rain. Provide an adequate, well-lighted, work area and surrounding work space.
15. Keep your work area clean. Cluttered areas and slippery floors invite accidents to happen.
16. Make sure that your guards are kept in place, in working order, and in proper adjustment and alignment.
17. All tools must be grounded. Make sure tools are equipped with an approved 3-conductor cord and a 3-prong grounding type plug to fit the proper grounding type receptacle. The green conductor in the cord is the grounding wire. Never connect the green wire to a live terminal.
18. Know your power tool. Read the owner's manual carefully. Learn its applications and limitations, as well as, the specific potential hazards associated with the tool.
19. Always wear safety goggles when using the Magic Shaper.

Visit us at www.woodtechttooling.com or call toll free in the U.S. A. at 1-800-TOOLING / 1-800-866-5464
Outside the U.S. A. call 1-828-628-4414 or by Fax:1-828-628-4490.

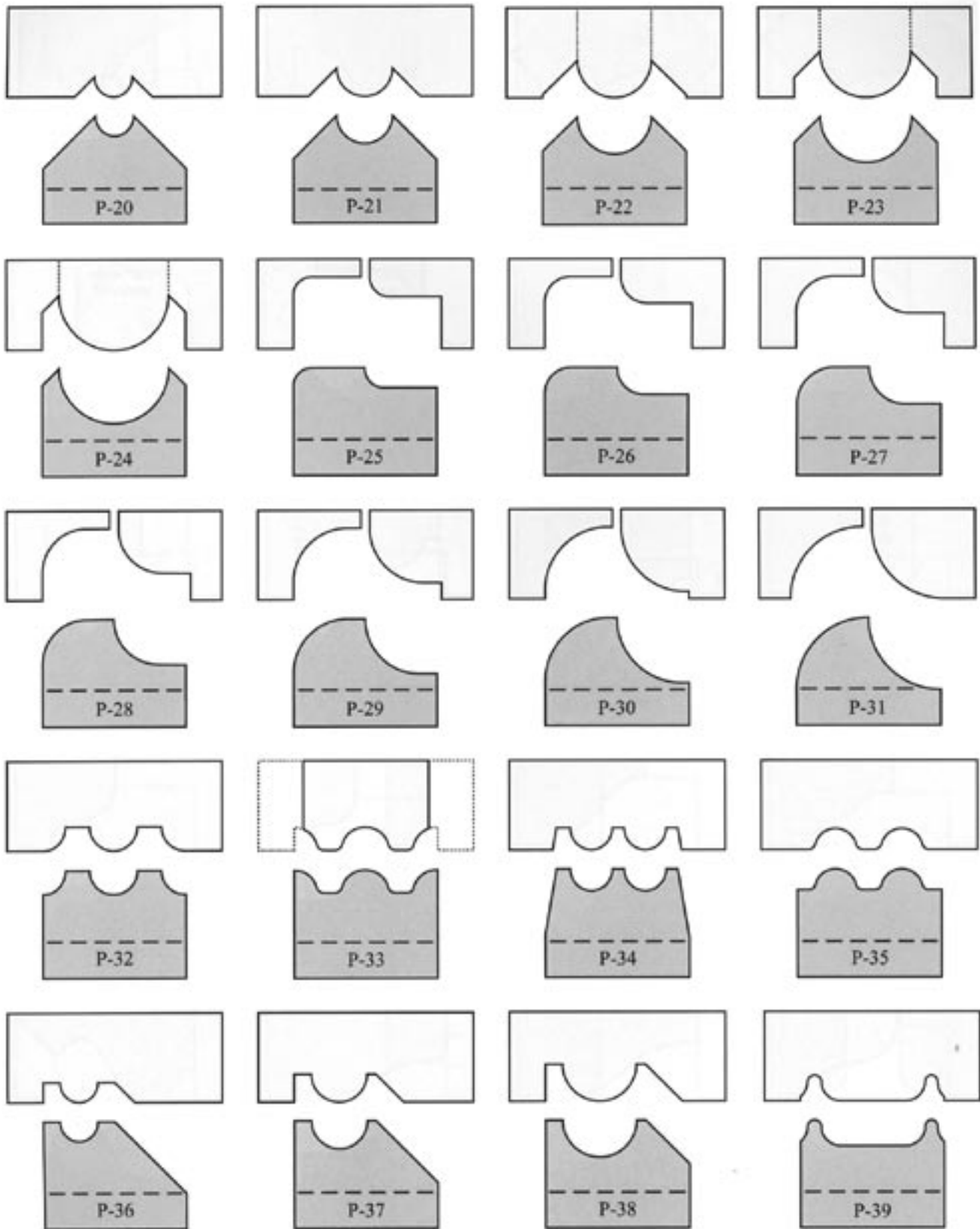
**FAILURE TO FOLLOW THESE INSTRUCTIONS COULD RESULT IN
PROPERTY DAMAGE AND/OR SERIOUS PERSONAL INJURY**

Detail Plug Patterns



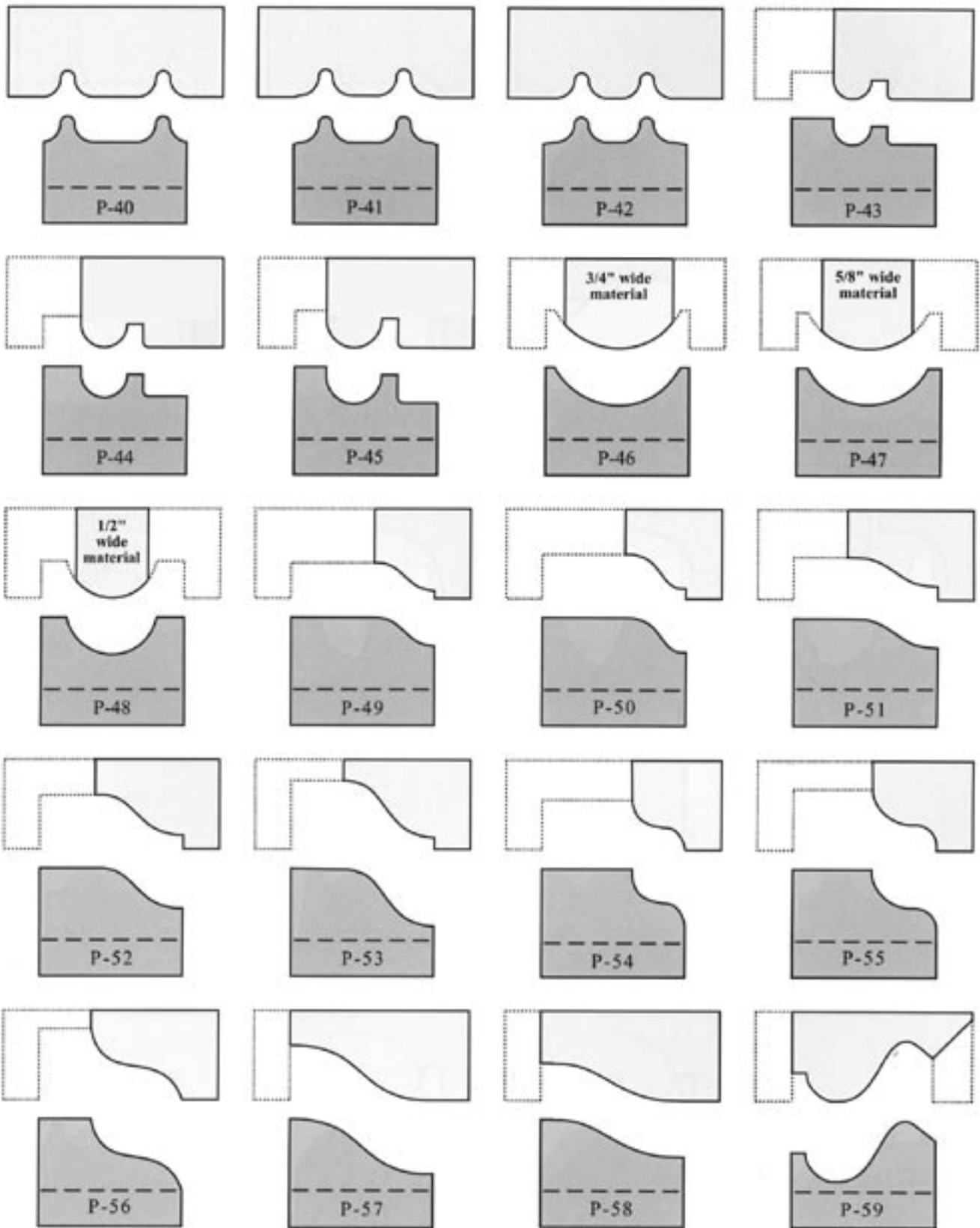
ALL DRAWINGS OF THE MAGIC MOLDER PLUGS ARE ACTUAL SIZE

Detail Plug Patterns



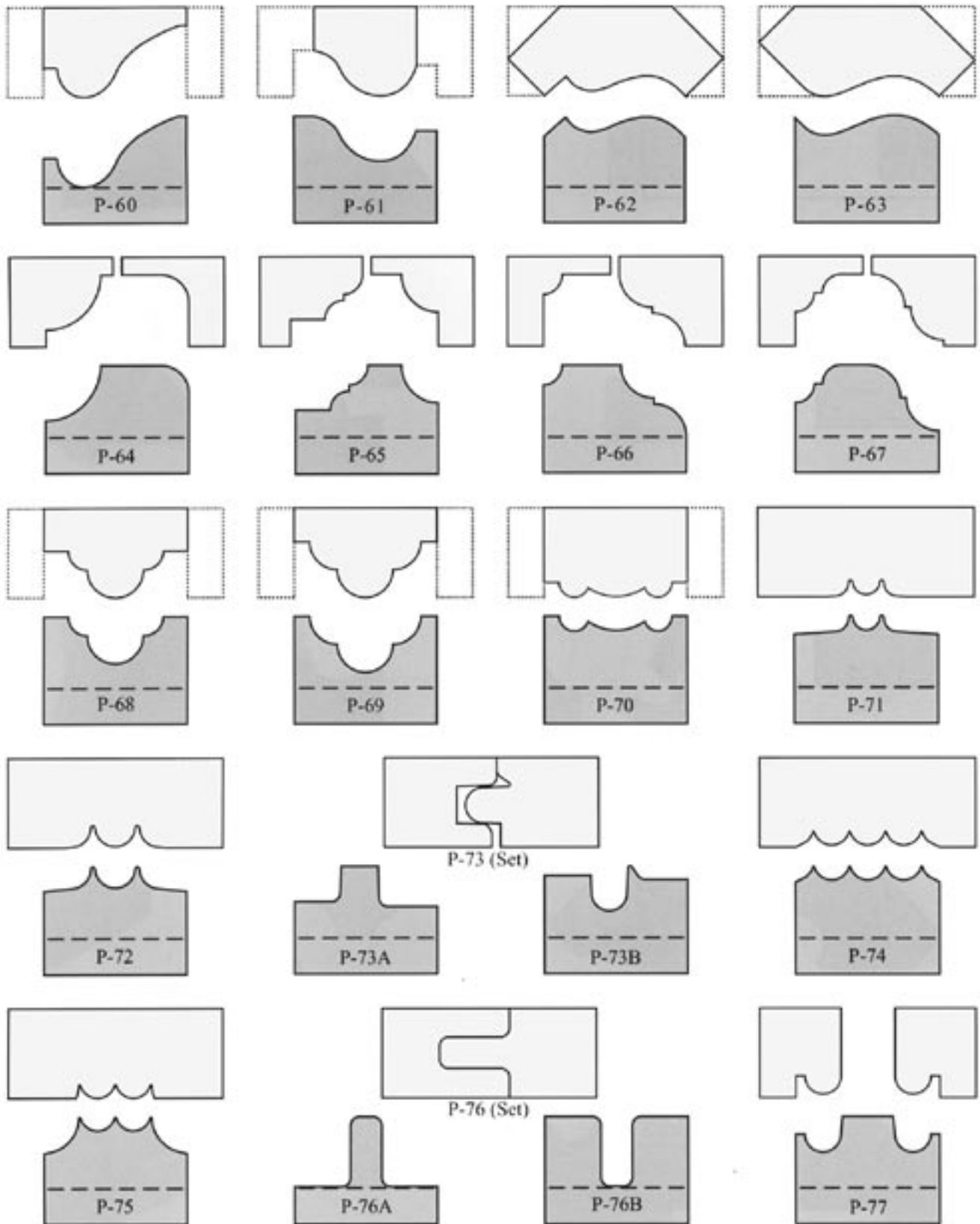
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Detail Plug Patterns



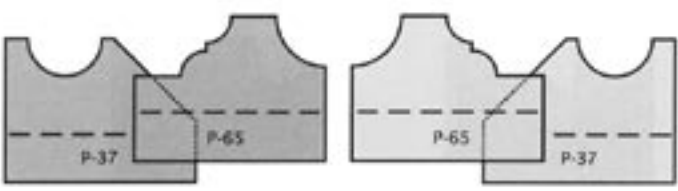
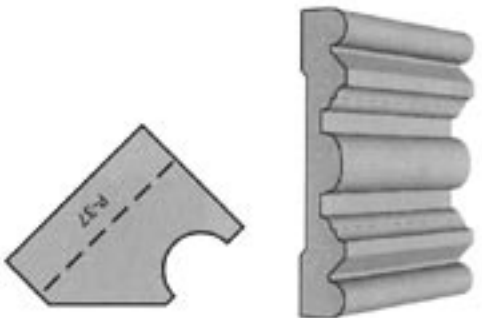
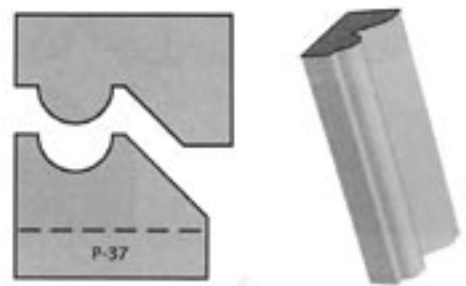
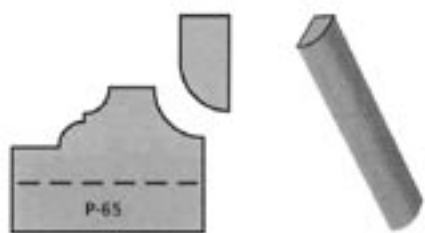
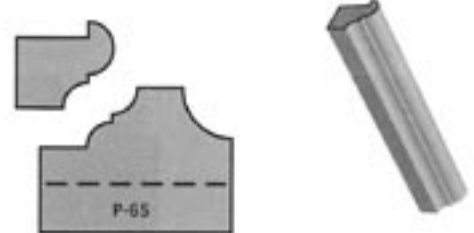
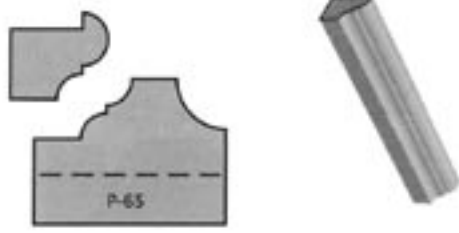
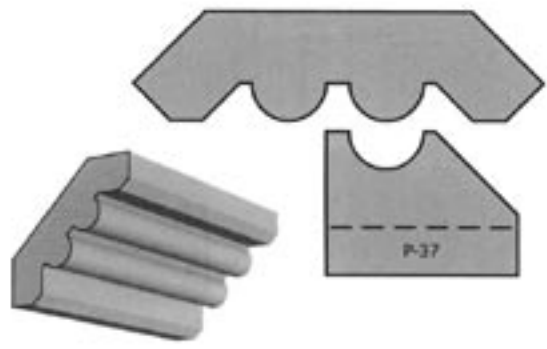
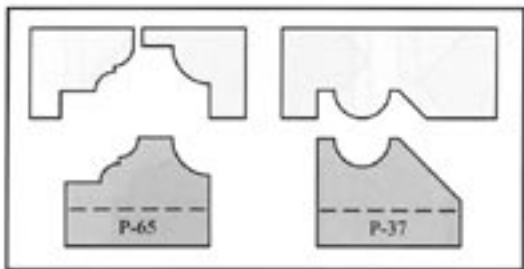
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Detail Plug Patterns

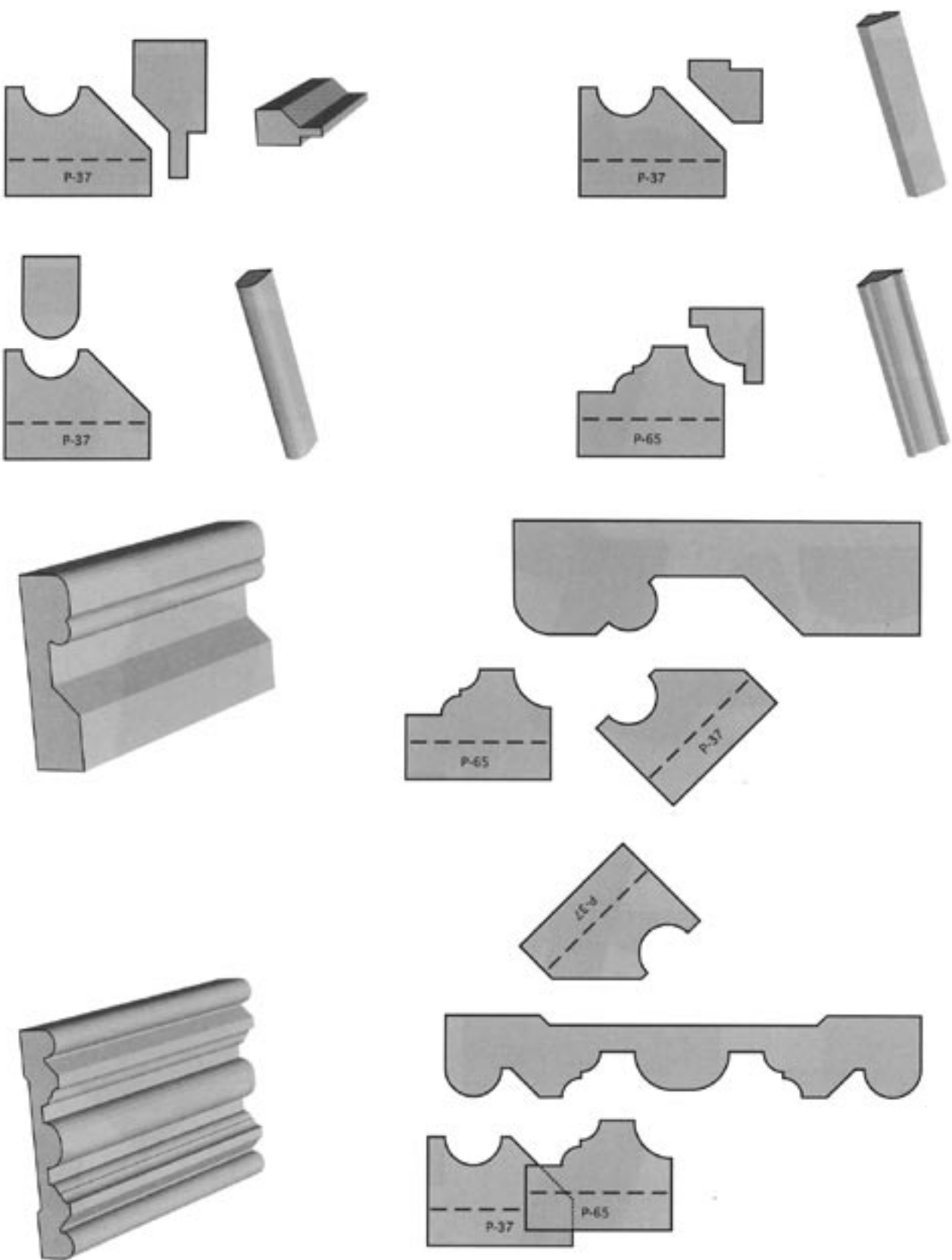


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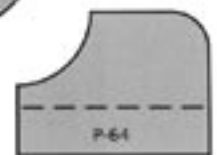
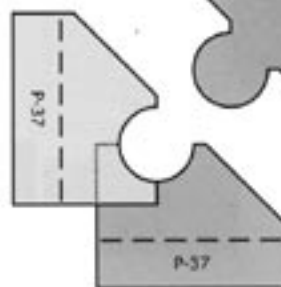
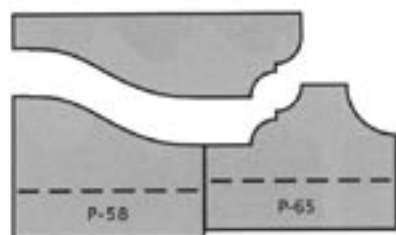
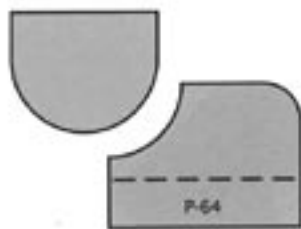
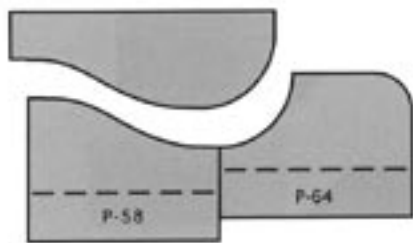
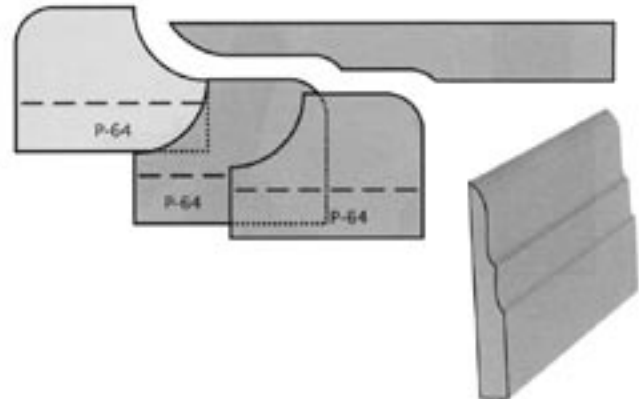
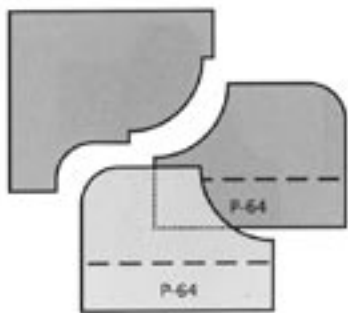
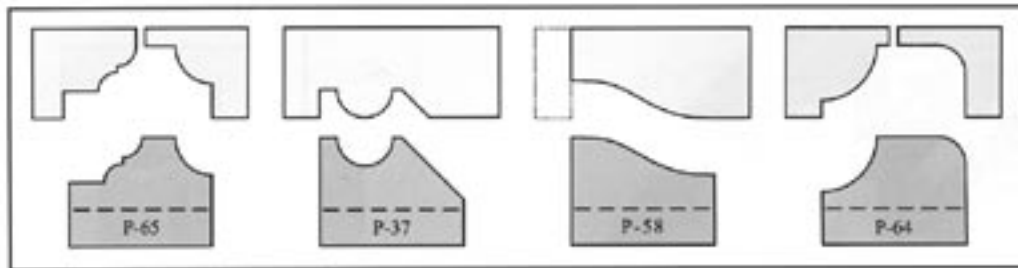
Starter Set Examples



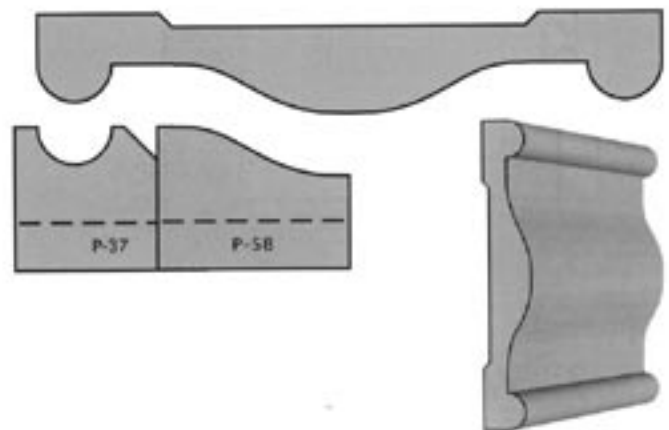
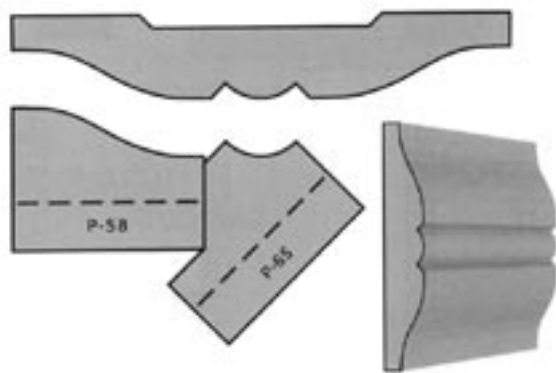
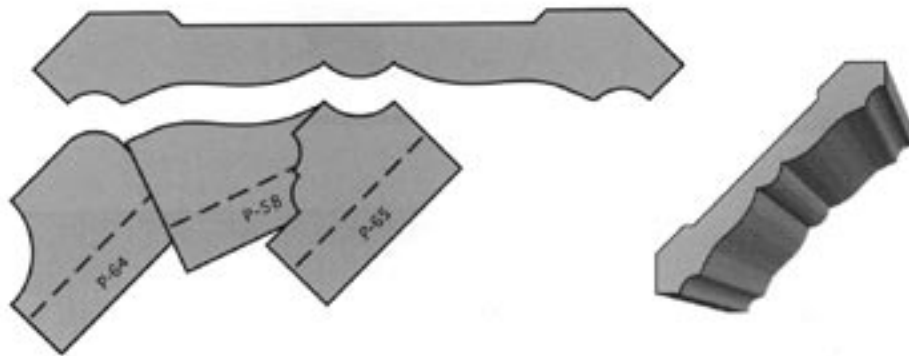
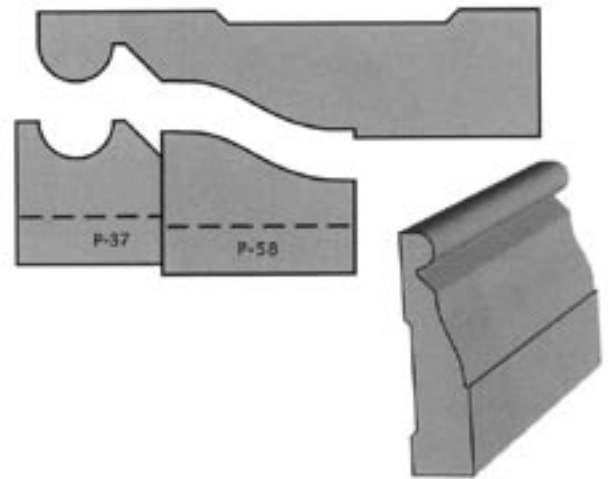
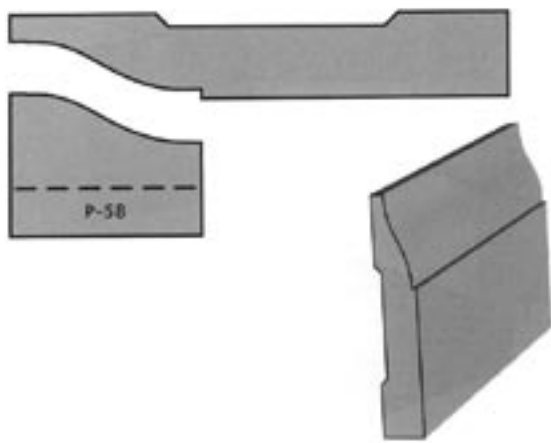
Starter Set Examples



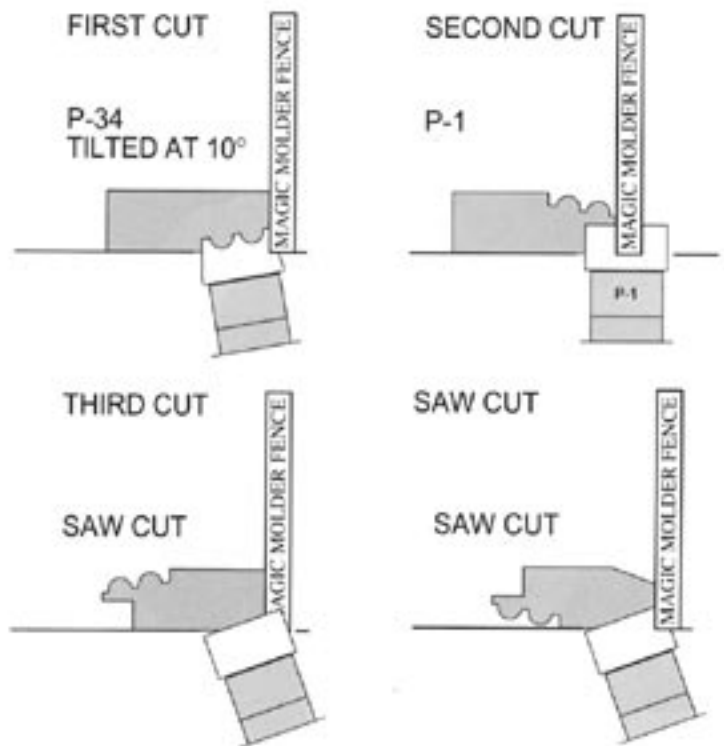
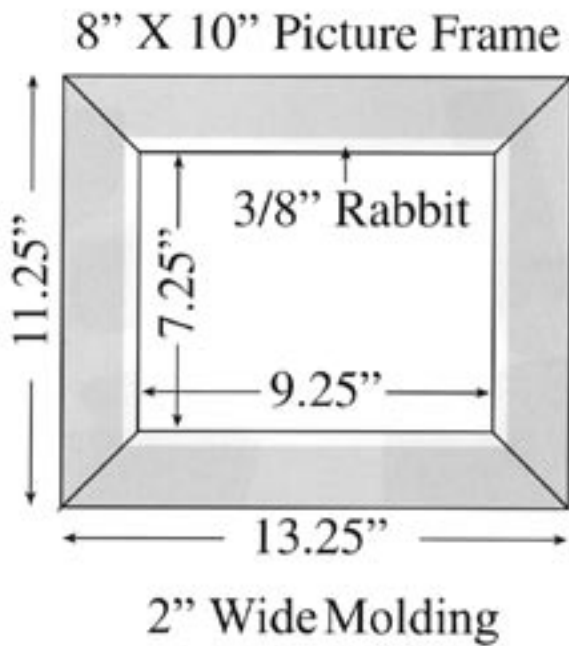
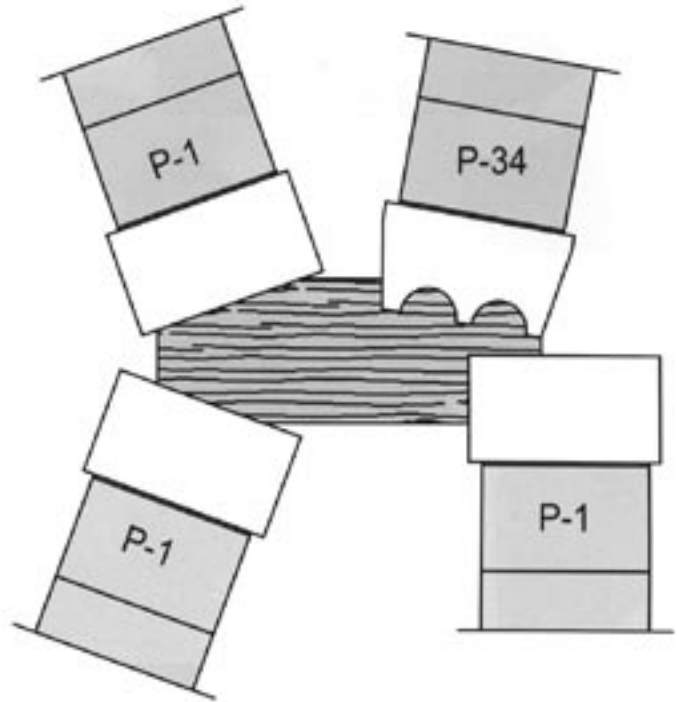
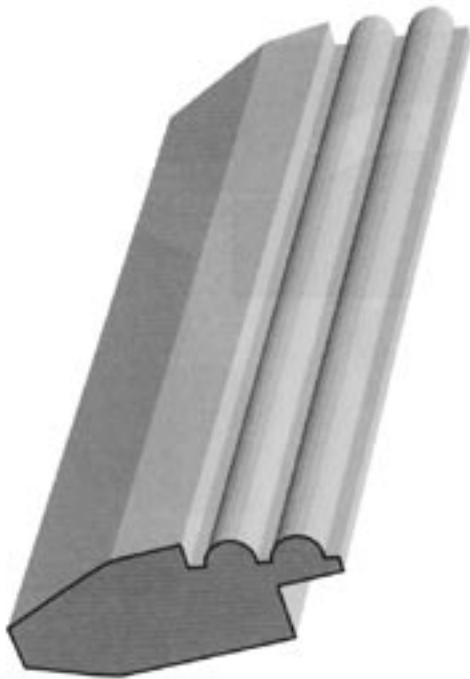
Advanced Starter Set Examples



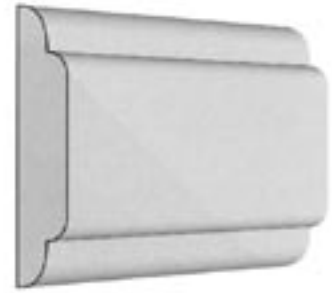
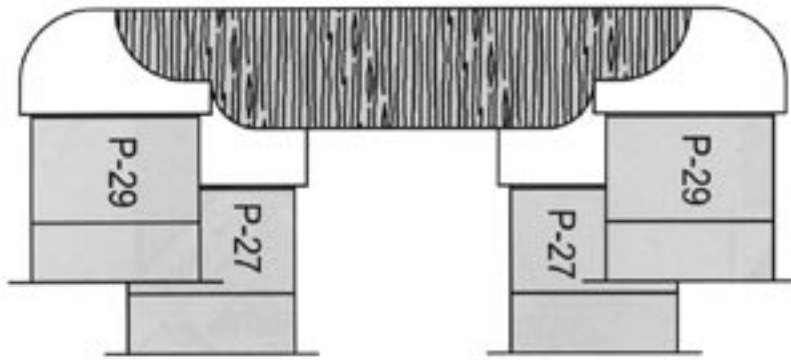
Advanced Starter Set Examples



Picture Frame Example



Chair Rail Molding Examples

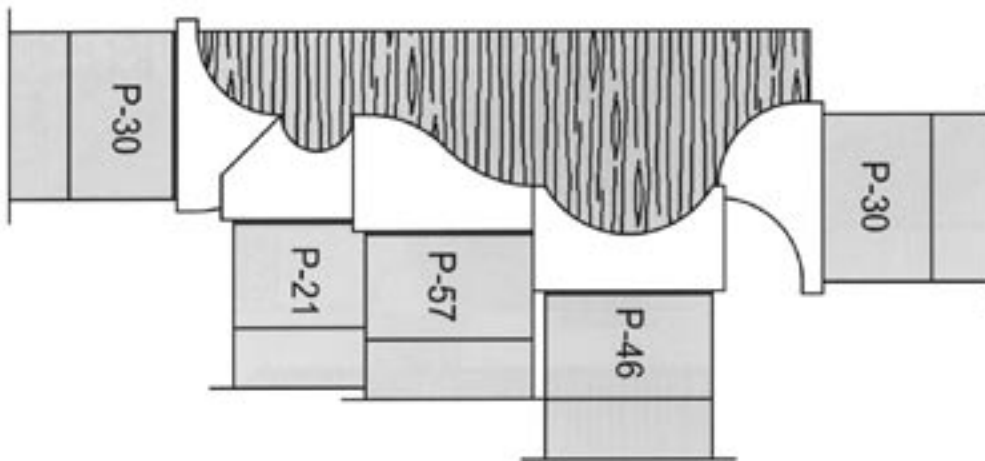
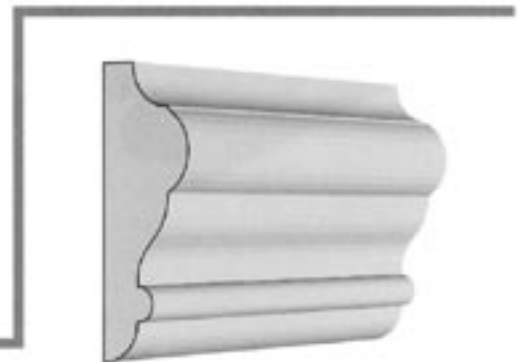
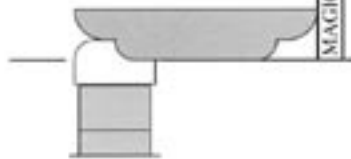


FIRST CUT

SECOND CUT

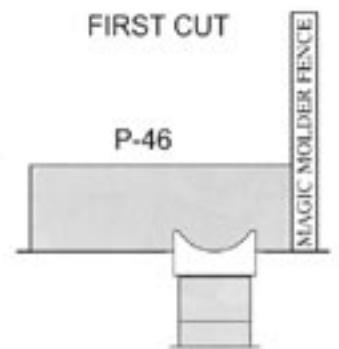
P-29

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FIRST CUT

P-46



SECOND CUT

THIRD CUT

FOURTH CUT

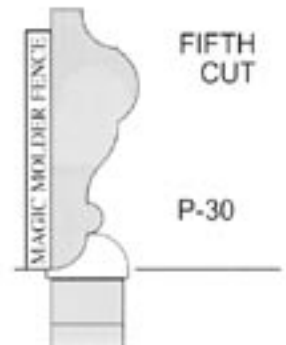
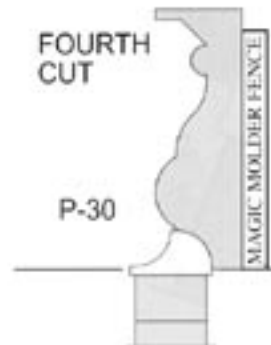
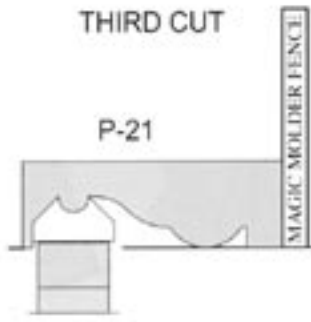
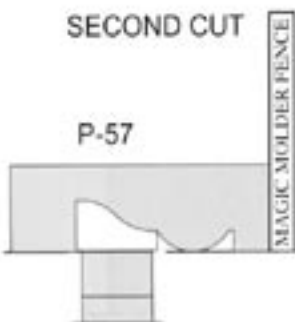
FIFTH CUT

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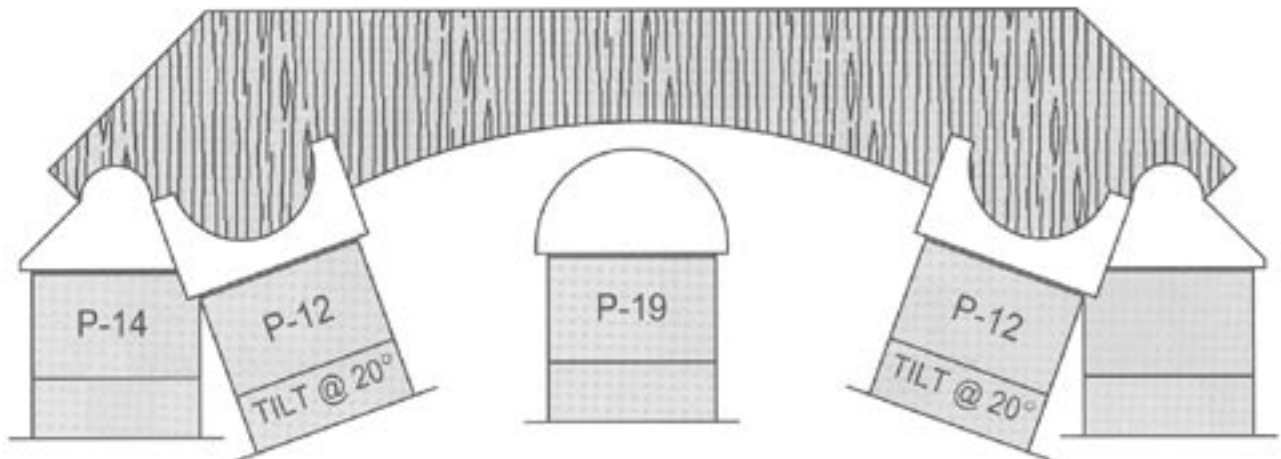
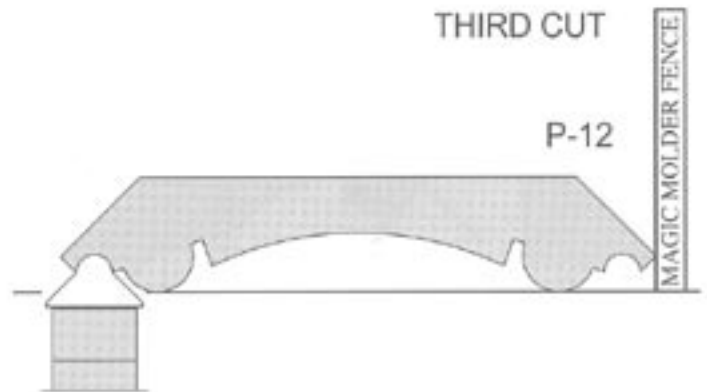
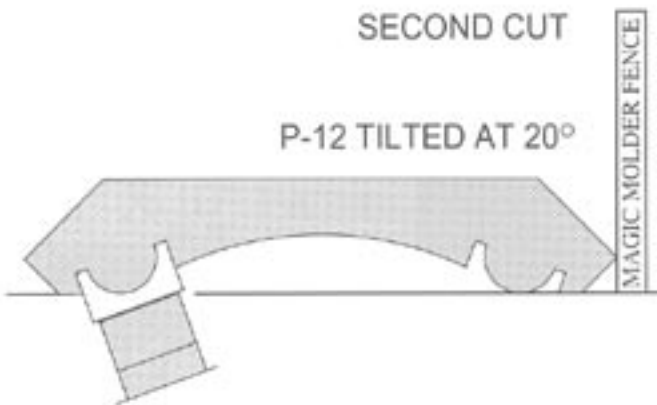
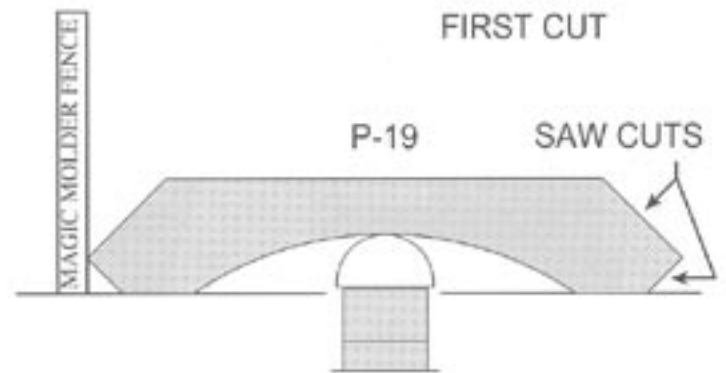
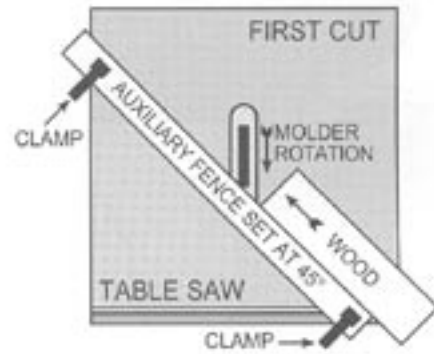
P-21

P-30

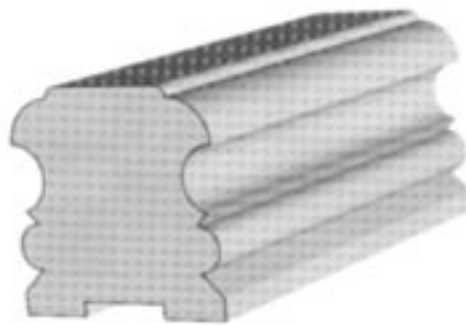
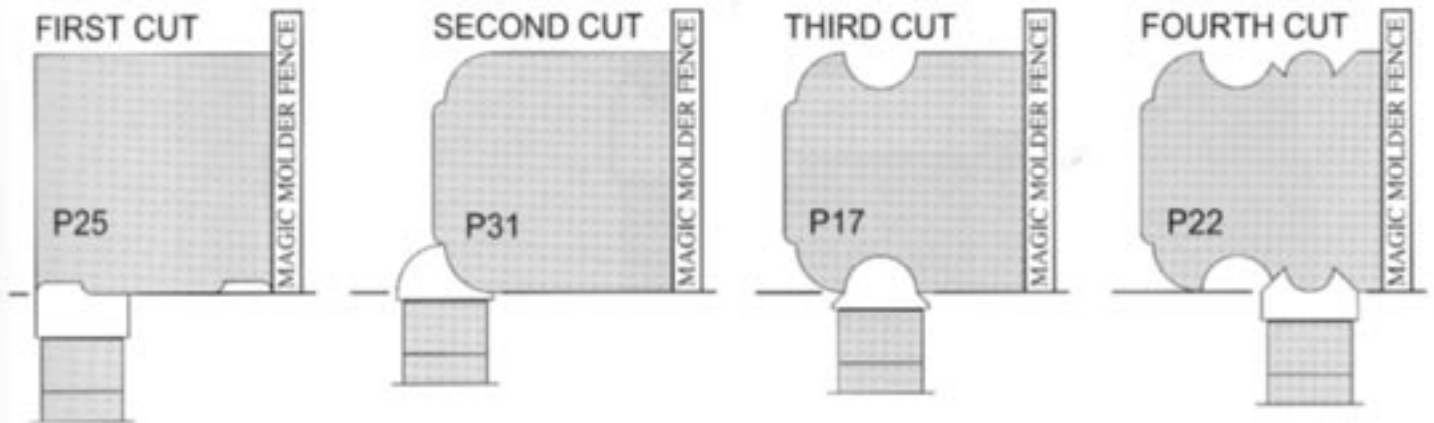
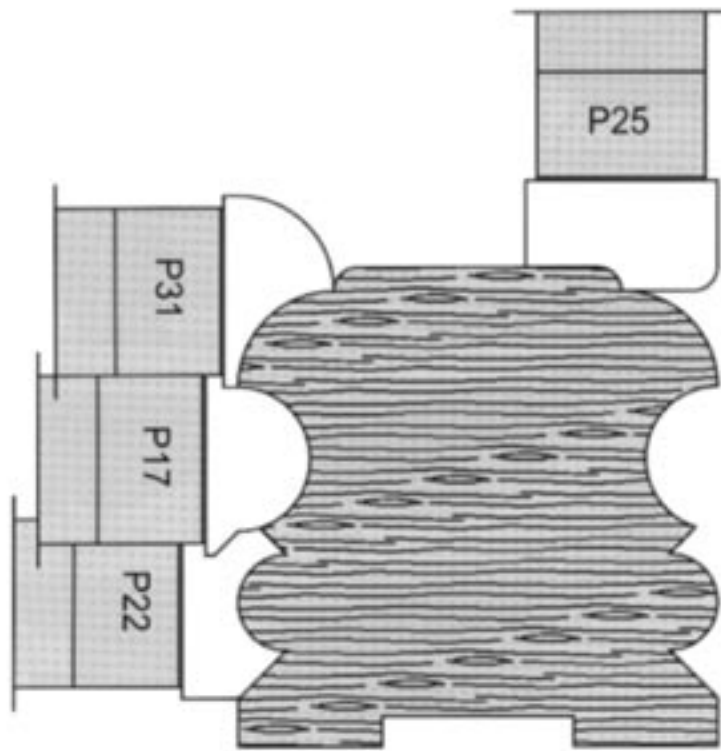
P-30



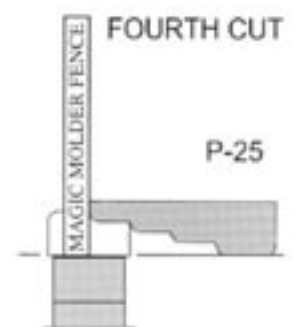
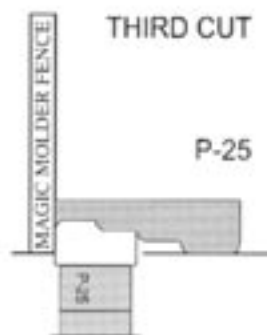
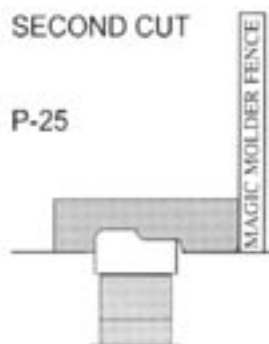
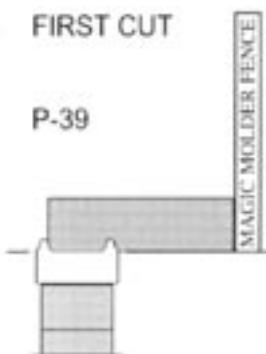
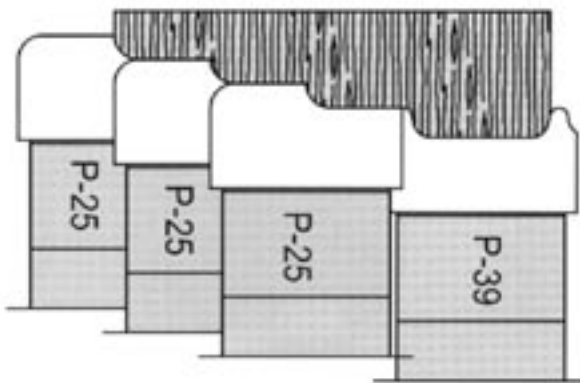
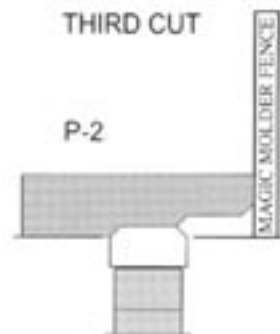
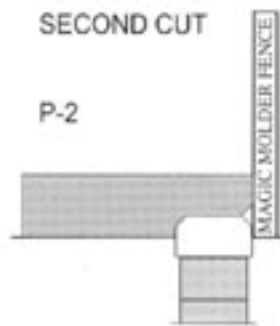
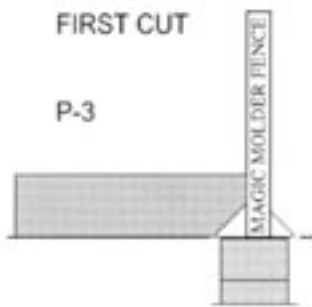
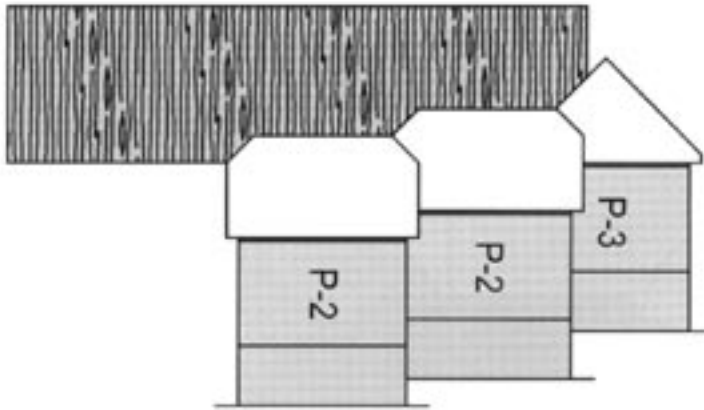
Crown Molding



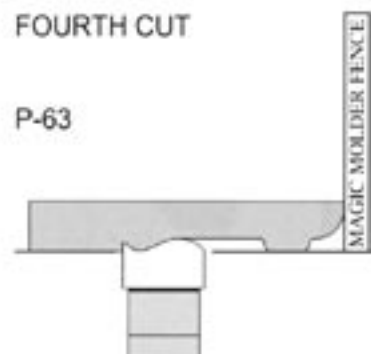
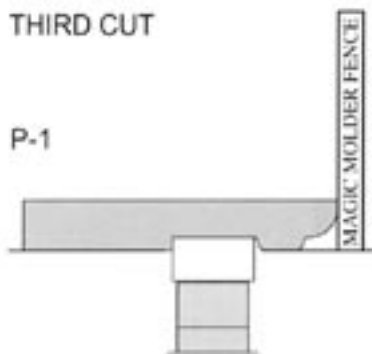
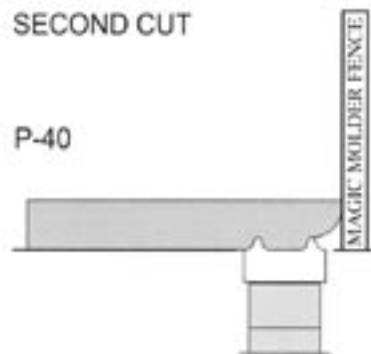
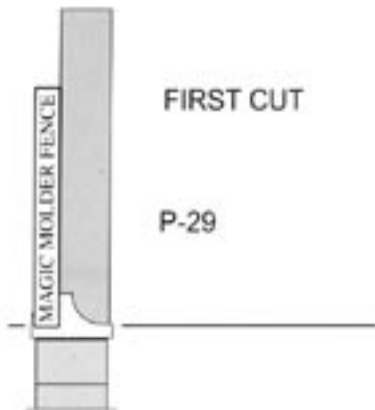
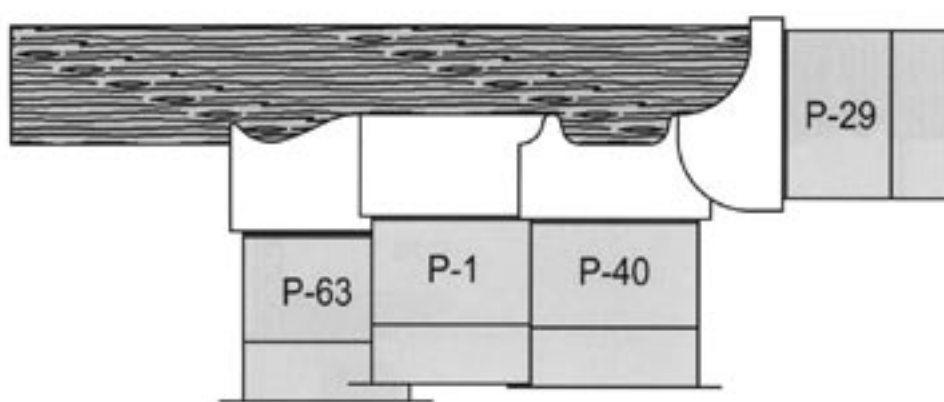
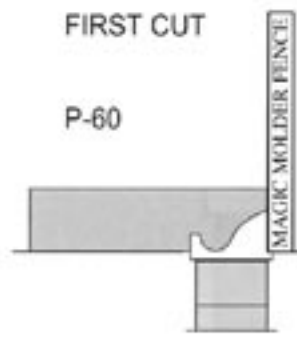
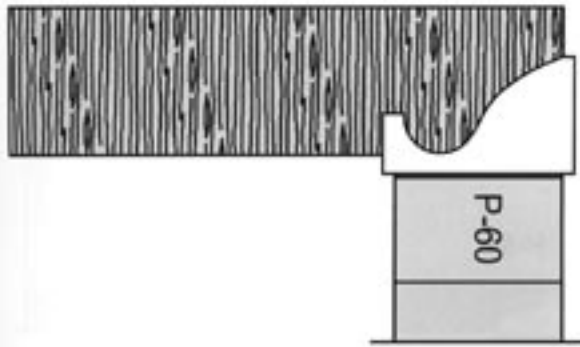
Handrail Example



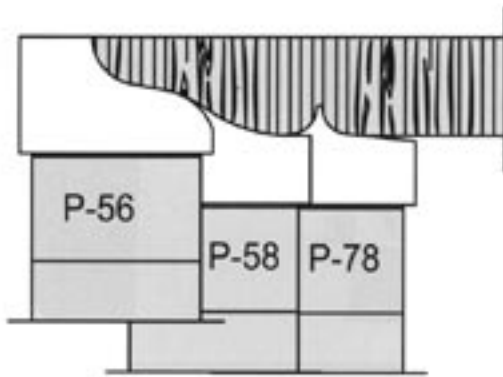
Base Moldings



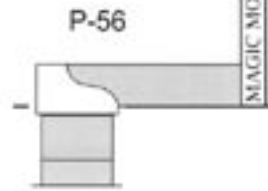
Base Moldings



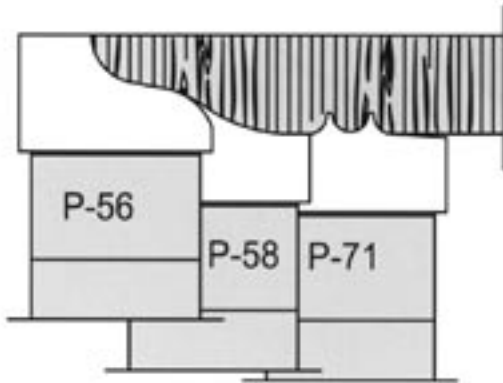
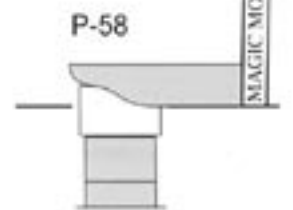
Casing or Base Moldings



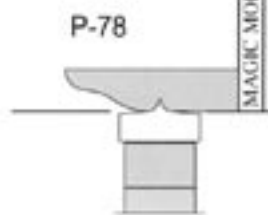
FIRST CUT



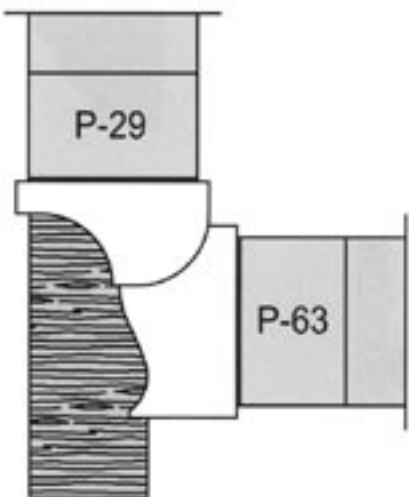
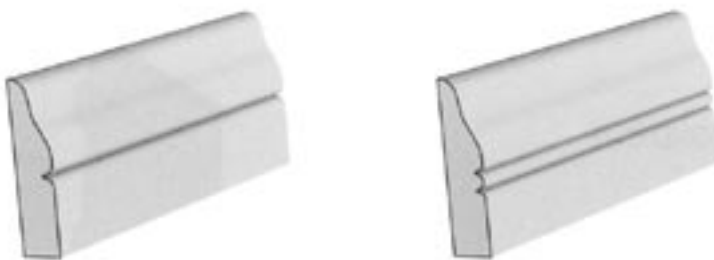
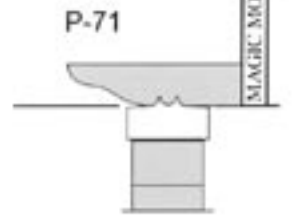
SECOND CUT



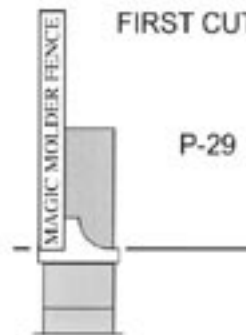
THIRD CUT
OPTION A



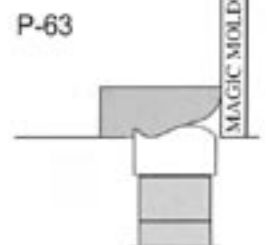
THIRD CUT
OPTION B



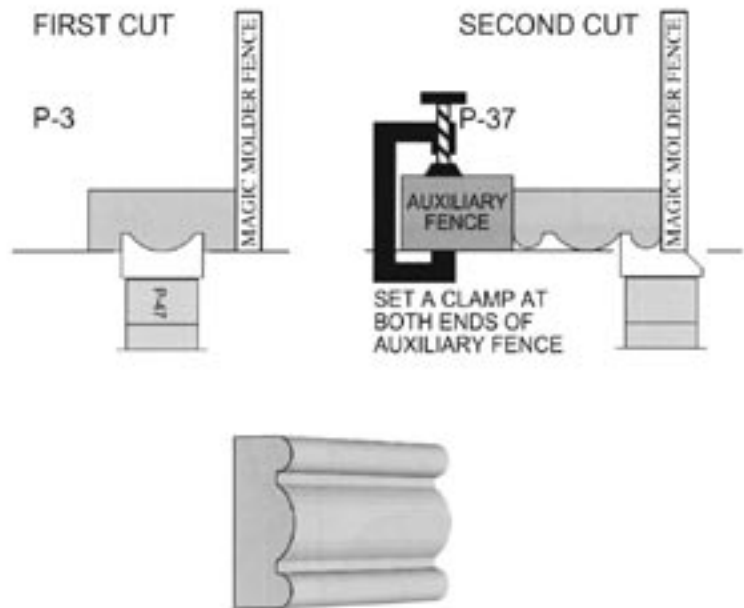
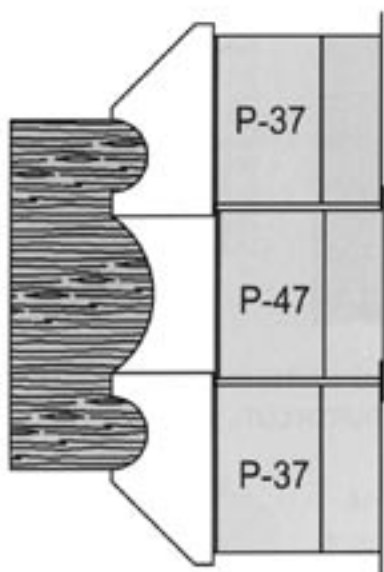
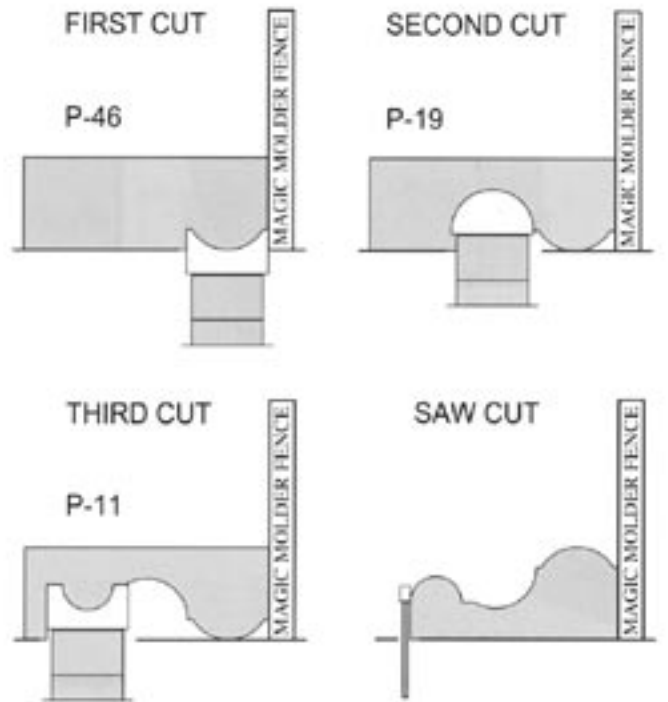
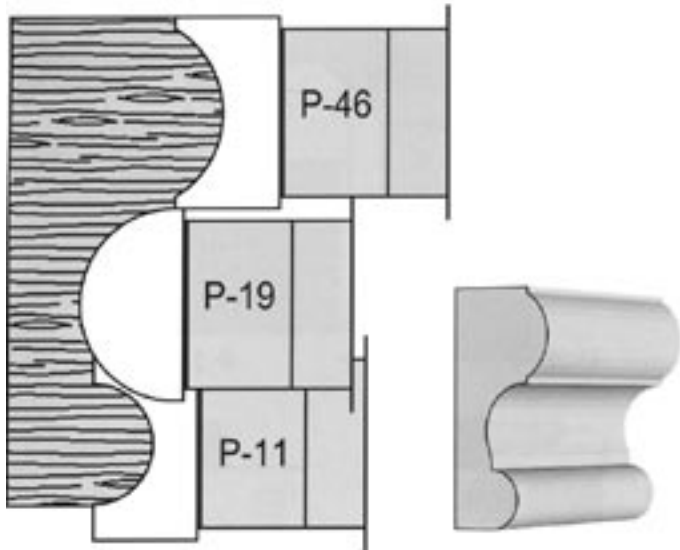
FIRST CUT



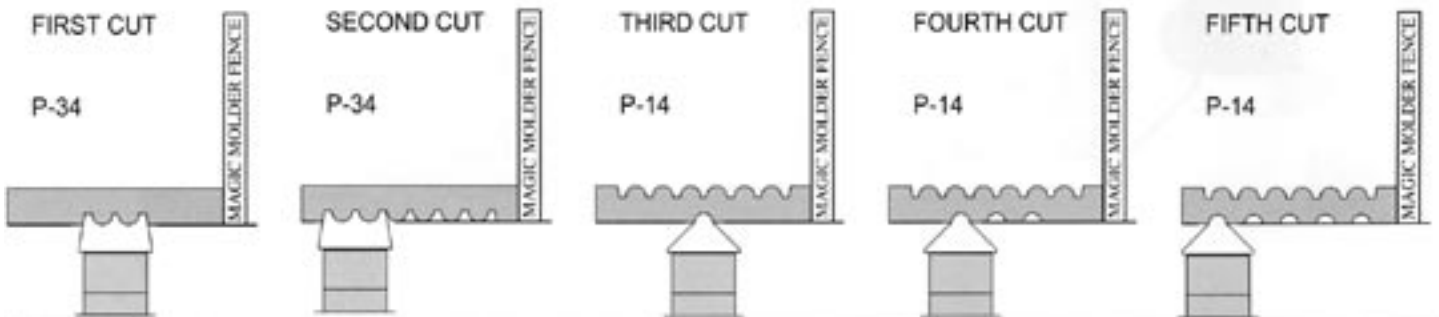
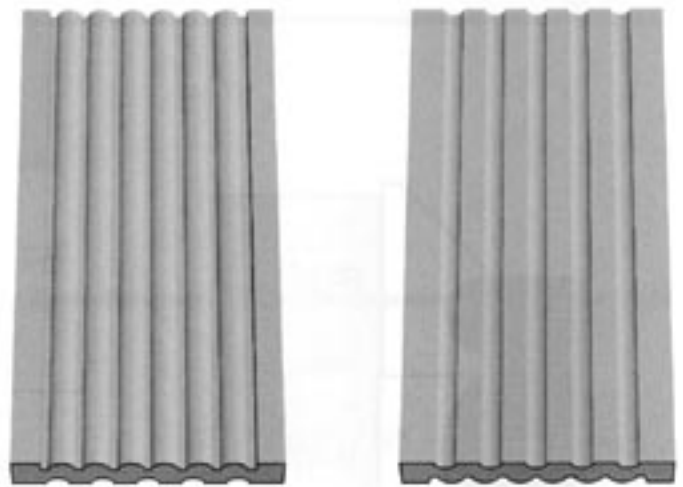
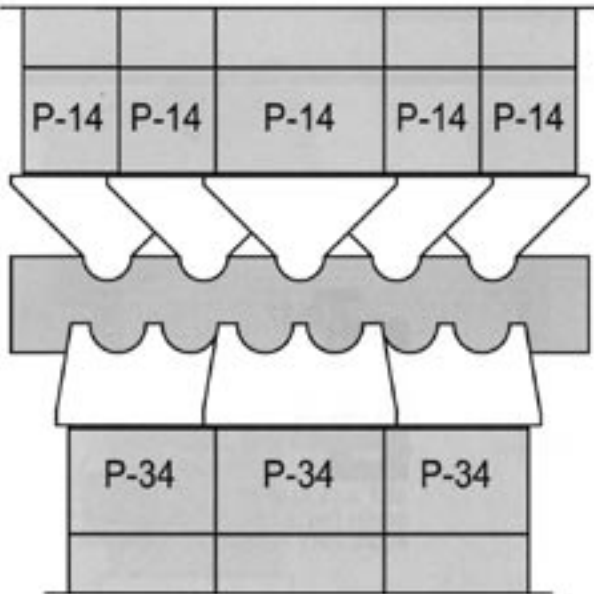
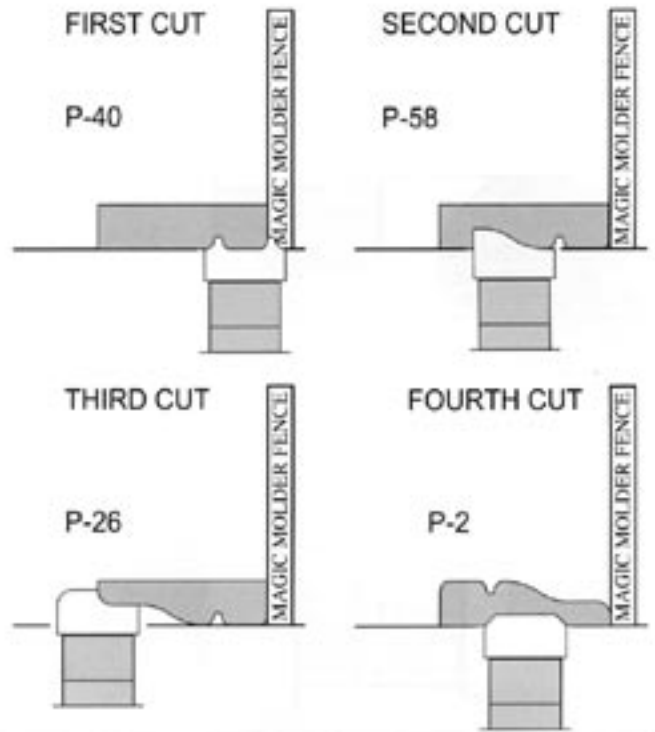
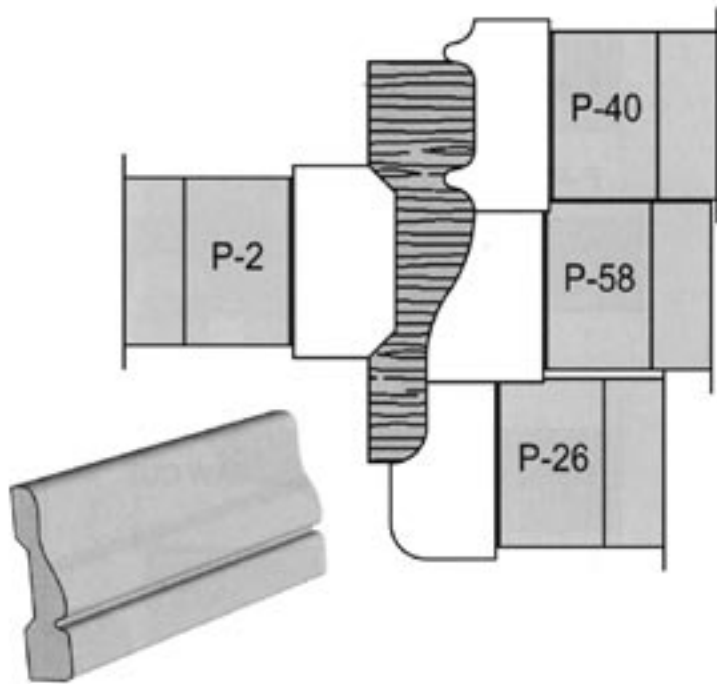
SECOND CUT



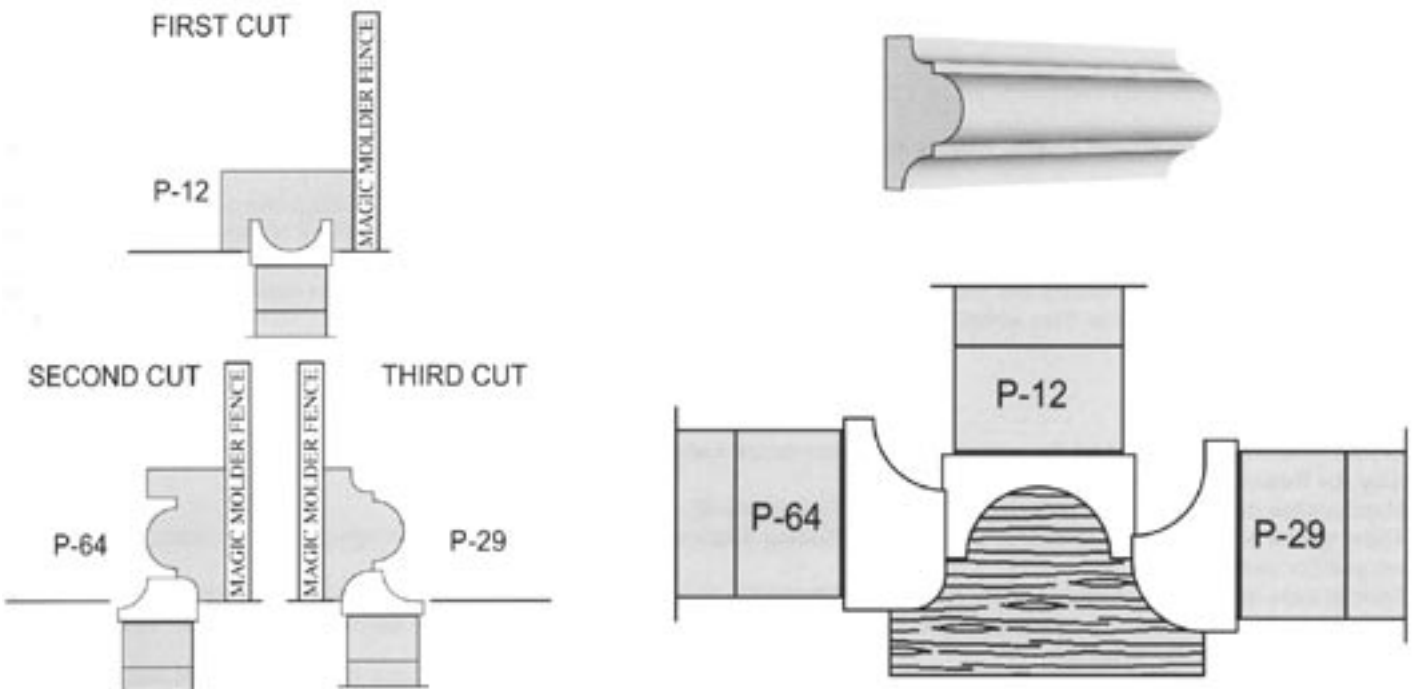
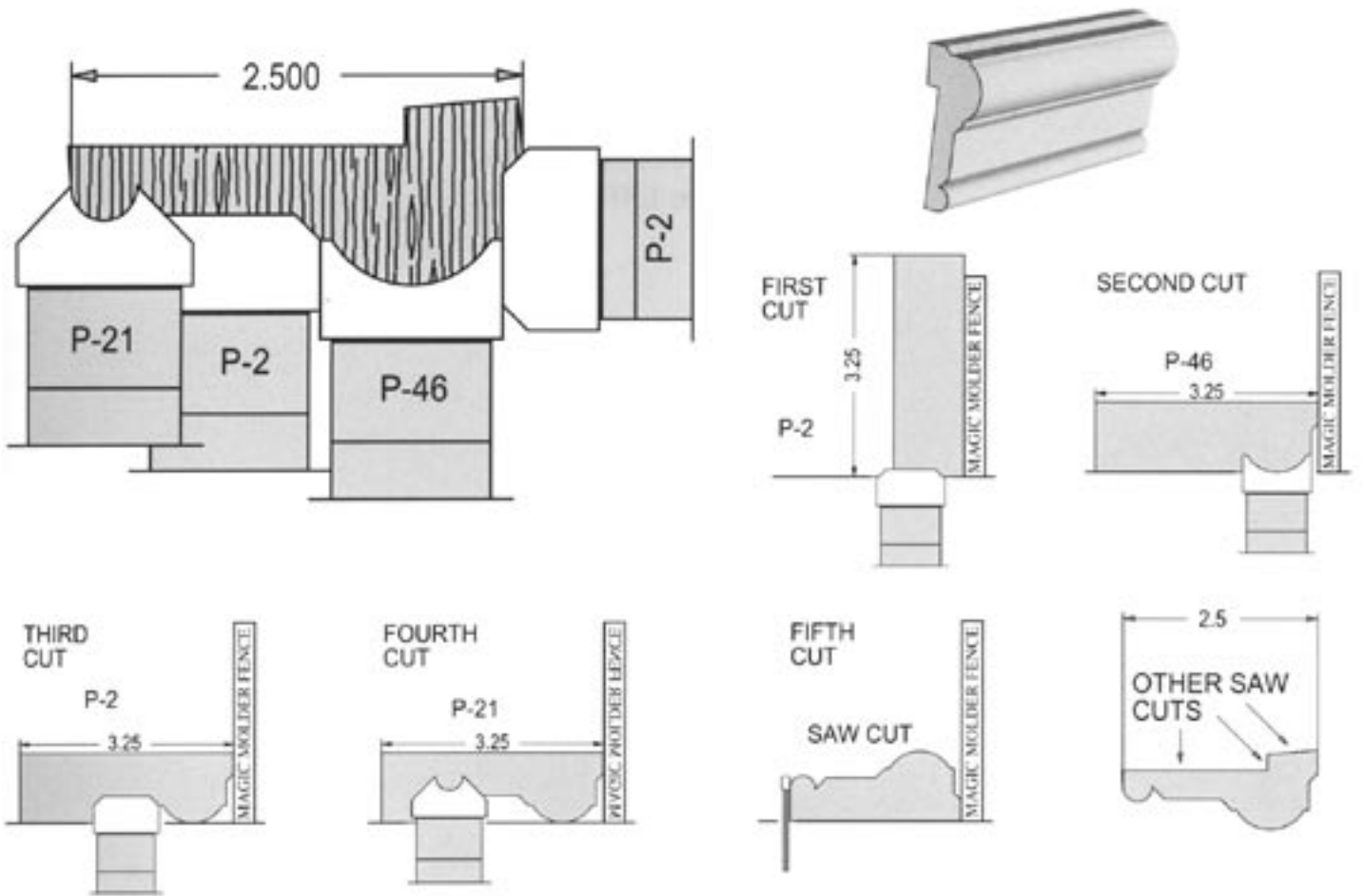
Casing or Chair Rail



Casings



Misc Moldings





For more information:
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at 1-800-TOOLING / 1-800-866-5464
Outside the USA- call 1-828-628-4414
or by fax at 1-828-628-4490.

Product Guarantee

L.R.H. cutters are guaranteed against defects in workmanship, materials, and performance provided the tool has not been incorrectly applied or misused.

Every carbide tip on L.R.H. products are guaranteed against brazing failure and will be replaced without charge. Service charge for replacement of any tip will be made where tip has been shattered indicating damage beyond the control of factory design and workmanship.

Replacement or repair of products are made only by L.R.H. Enterprises, Inc. when accompanied by an explanation of the defect, the name and address of the dealer from whom it was bought, and the date purchased.

Additional Information

Shipping Procedure

- Unless otherwise requested by the customer, all shipments are handled by United Parcel Service.

Policy for Returning Merchandise

- Merchandise may be returned only with advanced approval from Wood Tech.
- There will be a 15% restocking charge plus a reconditioning (resharpening, retipping, or refinishing) charge for cutters that have been used or damaged.
- Special tools and discontinued items are NOT RETURNABLE. "Special Tools" are any products that are not listed within the master catalog as an "In Stock" item. Any variations of "In Stock" products are also included within the definition of a "Special Tool," henceforth are also NOT RETURNABLE.
- Absolutely no merchandise may be returned after 6 months from the date of purchase. Shipping charges on all returned merchandise must be prepaid.
- Cancellation on standard "In Stock" orders are accepted without charge if received prior to shipment. Special orders may be cancelled, but there will be a proportionate charge that is reasonable and proper, based on the status of merchandise in process and expenses already incurred as well as commitments made by the company.