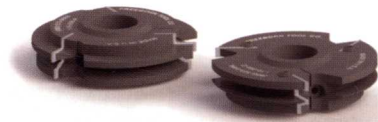


## INSERT TOOLING - COPE AND PATTERN SETS

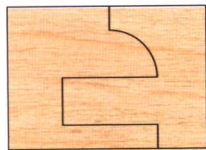
- Common minor diameters and vertical profile centering eliminate the need to adjust the spindle height or fence position when switching from cope to pattern cuts
- Heads will accept both square and eased edges
- For 3/4" to 7/8" material



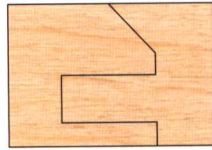
- 1/4 x 1/2 tongue and groove standard
- 4-1/2" outside diameter, 3-1/2" minor diameter
- 4" diameter for unique 250/265 available by special order
- 5.5mm x 1/2" tongue available by special order
- 1-1/4" bore
- CCW rotation, material fed face down

\$1032

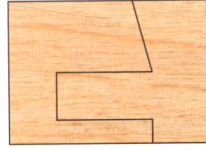
### DEDICATED PROFILE INSERT CUTTERS 2 PC. SETS \$916



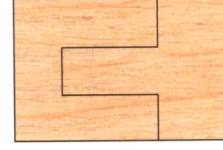
I-10-010-2



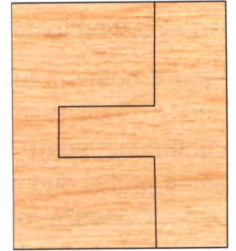
I-10-055-2



I-10-060-2

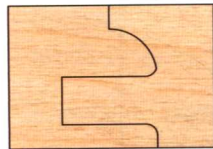


I-10-500-2

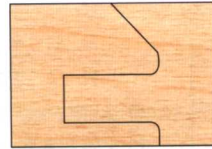


I-10-535-2

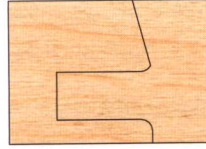
\$1032



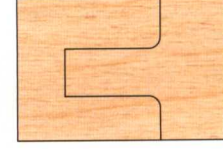
I-10-010-2-E



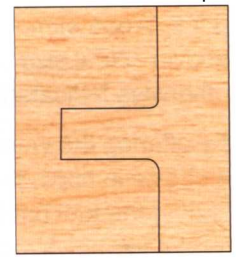
I-10-055-2-E



I-10-060-2-E



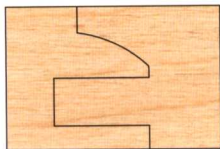
I-10-500-2-E



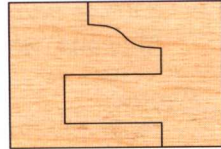
I-10-535-2-E

For oversized jobs, the IC-10-500-35 can cut up to 1-1/4" material

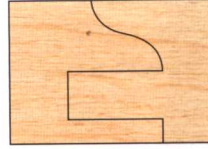
### MULTI PROFILE INSERT CUTTERS 2 PC. SETS \$916



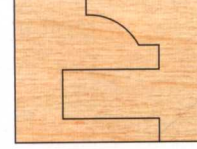
I-10-011-2



I-10-020-2

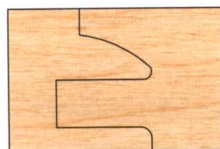


I-10-030-2

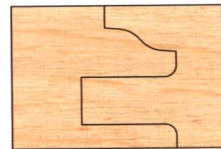


I-10-040-2

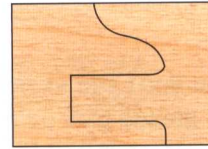
Our multi profile head will accept any of these 14 profiles



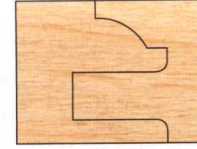
I-10-011-2-E



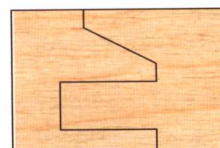
I-10-020-2-E



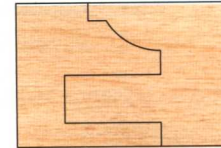
I-10-030-2-E



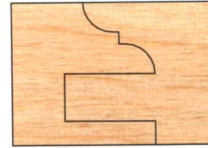
I-10-040-2-E



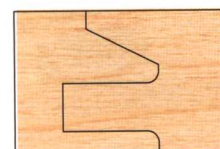
I-10-050-2



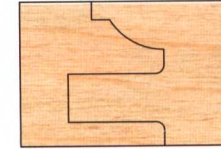
I-10-070-2



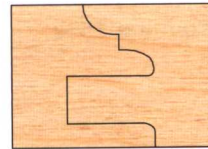
I-10-080-2



I-10-050-2-E



I-10-070-2-E



I-10-080-2-E

Our 2 piece Cope and Pattern insert sets do not offer the adjustability of our 3 piece sets. (page 6-7). As a result, it is critical that your spindle be square to your table. (see page 42 for instructions to check your spindle.) Also, when changing your tips you must clean the heads of any wood residue to allow proper alignment. Failure to do so may result in a loose fit between your Cope and Pattern cuts.

## INSERT TOOLING - COPE AND PATTERN SETS

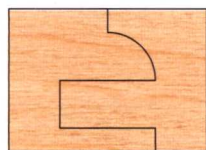
**3 Piece insert Cope and Pattern sets to allow easy fit adjustment.**

- A two piece cope head with shims allow you to adjust your fit as needed
- Common minor diameters and vertical profile centering eliminate the need to adjust the spindle height or fence position when switching from cope to pattern cuts
- Heads will accept both square and eased edges
- For 3/4" 7/8" material
- 4-1/2" outside diameter, 3-1/2" minor diameter
- 4" diameter for unique 250/265 available by special order
- 5.5mm x 1/2" tongue available by special order
- 1-1/4" bore
- 1/4 x 1/2 tongue and groove standard
- CCW rotation, material fed face down

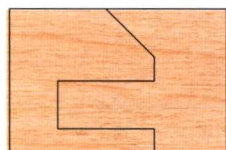


*When changing your tips, you must clean the heads of any wood residue to allow proper alignment. Failure to do so may result in a loose fit between your Cope and Pattern cuts.*

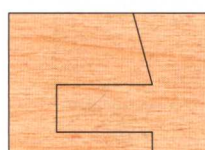
**DEDICATED PROFILE INSERT CUTTERS 3 PC. SETS \$977**



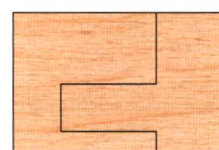
I-10-010



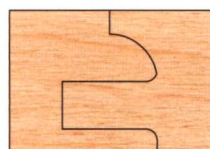
I-10-055



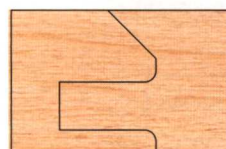
I-10-060



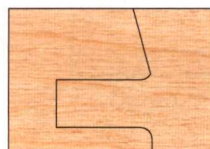
I-10-510



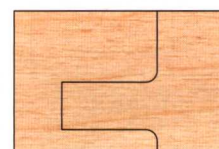
I-10-010 E



I-10-055-E



I-10-060-E



I-10-510-E

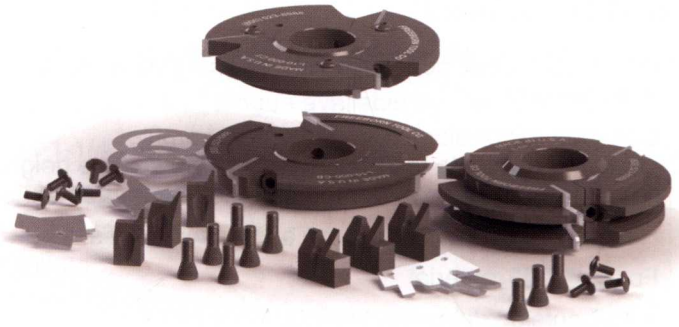
***Each of the above profiles has its own dedicated heads***



## INSERT TOOLING - COPE AND PATTERN SETS

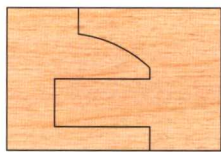
### 3 Piece insert Cope and Pattern sets to allow easy fit adjustment.

- A two piece cope head with shims allow you to adjust your fit as needed
- Common minor diameters and vertical profile centering eliminate the need to adjust the spindle height or fence position when switching from cope to pattern cuts
- Heads will accept both square and eased edges
- For 3/4" to 7/8" material
- 4-1/2" outside diameter, 3-1/2" minor diameter
- 4" diameter for unique 250/265 available by special order
- 5.5mm x 1/2" tongue available by special order
- 1-1/4" bore
- 1/4 x 1/2 tongue and groove standard
- CCW rotation, material fed face down

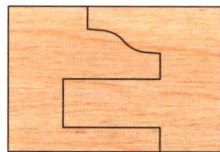


*When changing your tips, you must clean the heads of any wood residue to allow proper alignment. Failure to do so may result in a loose fit between your Cope and Pattern cuts.*

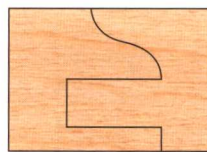
### MULTI PROFILE INSERT CUTTERS 3 PC. SETS \$977



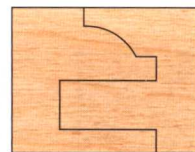
I-10-011



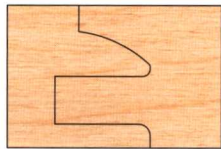
I-10-020



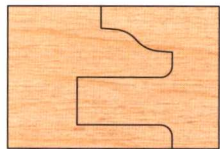
I-10-030



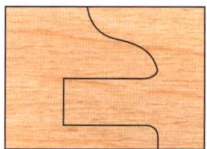
I-10-040



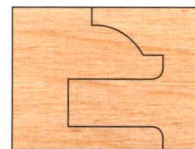
I-10-011-E



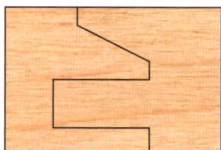
I-10-020-E



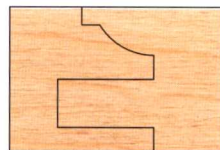
I-10-030-E



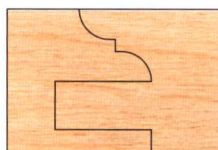
I-10-040-E



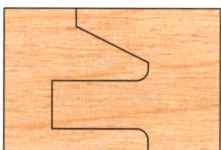
I-10-050



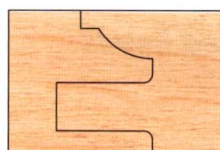
I-10-070



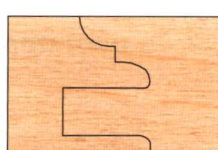
I-10-080



I-10-050-E



I-10-070-E



I-10-080-E



*Our multi-profile head will accept any of these 14 profiles*

## INSERT TOOLING - COPE AND PATTERN SETS

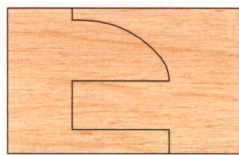
For a more pronounced profile, our 1/2" depth of pattern sets are a great choice, with all of the benefits of our other sets. The tip sets of these profiles are not interchangeable with our other 3 piece sets.

### 3 Piece insert Cope and Pattern sets to allow easy fit adjustment.

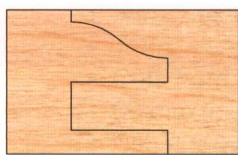
- Common minor diameters and vertical Profile Centering eliminate the need to adjust the spindle height or fence position when switching from cope to pattern cuts
- Heads will accept both square and eased edges
- For 3/4" 7/8" material
- 4-1/2" outside diameter, 3-1/2" minor diameter
- 4" diameter for unique 250/265 available by special order
- 5.5mm x 1/2" tongue available by special order
- 1-1/4" bore
- 1/4 x 1/2 tongue and groove standard
- CCW rotation, material fed face down

*When changing your tips, you must clean the heads of any wood residue to allow proper alignment. Failure to do so may result in a loose fit between your Cope and Pattern cuts.*

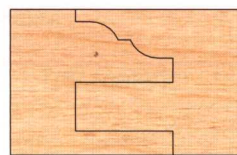
## MULTI PROFILE INSERT CUTTERS 3 PIECE - 1/2" DEPTH OF PATTERN \$977



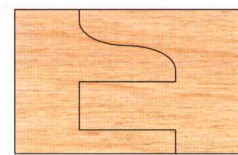
I-10-211



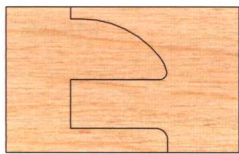
I-10-220



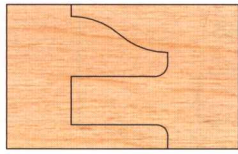
I-10-225



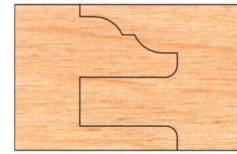
I-10-231



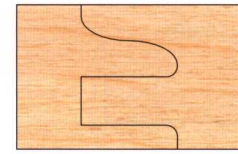
I-10-211-E



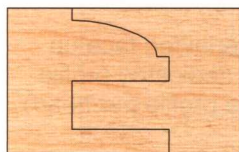
I-10-220-E



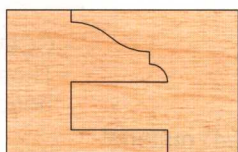
I-10-225-E



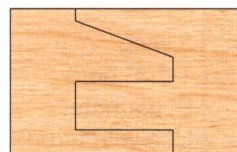
I-10-231-E



I-10-240

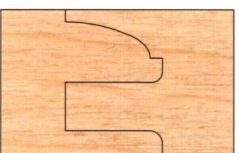


I-10-245

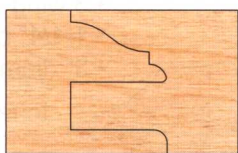


I-10-250

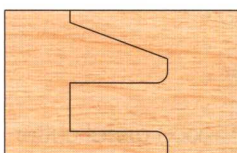
*Our multi profile head will accept any of these 14 profiles*



I-10-240-E



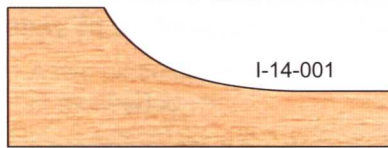
I-10-245-E



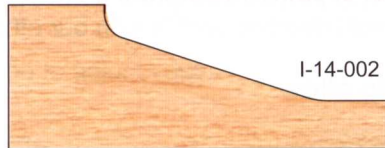
I-10-250-E



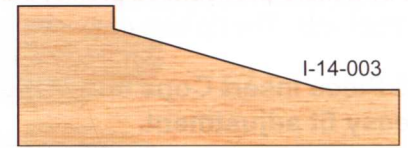


**RAISED PANEL INSERT CUTTERS (3/4" MATERIAL) \$462**

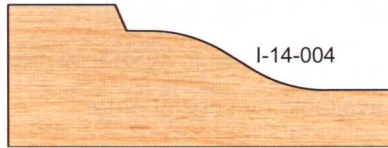
I-14-001



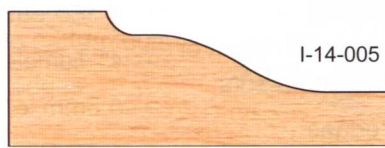
I-14-002



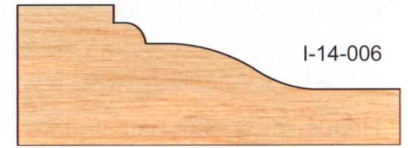
I-14-003



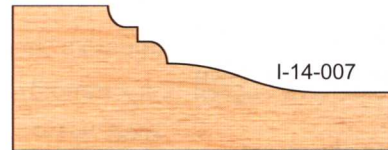
I-14-004



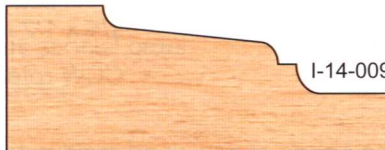
I-14-005



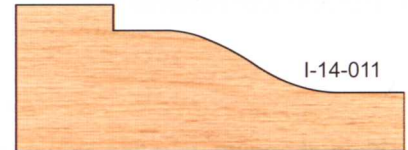
I-14-006



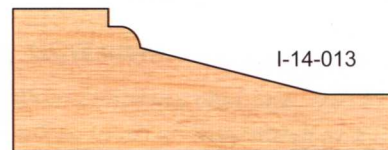
I-14-007



I-14-009



I-14-011



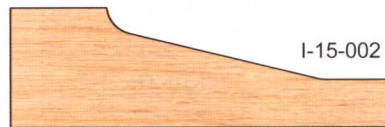
I-14-013

- 3 wing
- 1-1/4" bore
- 6" diameter
- Runs with (AP-90-048) bearing
- CCW, material fed face up

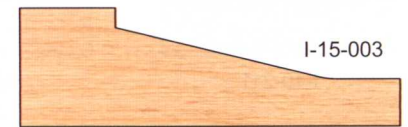
- These are dedicated profile heads (one profile per head)

**RAISED PANEL INSERT CUTTERS (5/8" MATERIAL) \$462**

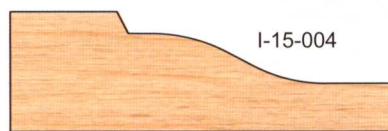
I-15-001



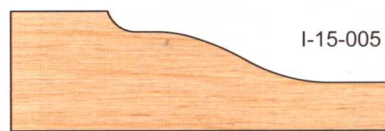
I-15-002



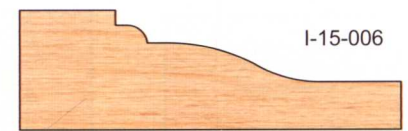
I-15-003



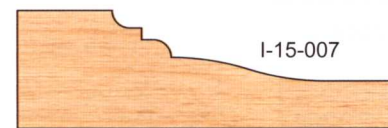
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I-15-005



I-15-006



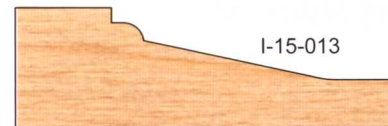
I-15-007



I-15-009



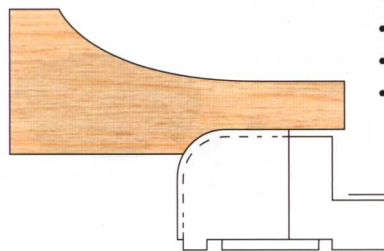
I-15-011



I-15-013

- 3 wing
- 1-1/4" bore
- 6" diameter
- Use with I-16-001 for 3/4" material
- Runs with (AP-90-048) bearing

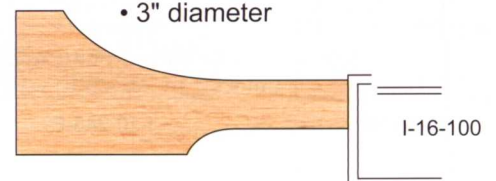
- CCW, material fed face up
- These are dedicated profile heads (one profile per head)

**INSERT BACK & TRIM CUTTERS****\$363**

- 3 wing
- 1-1/4" bore
- 4-3/4" diameter
- 3/4" material
- Runs with a(I-15-xxx) panel cutter

I-16-001

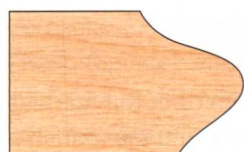
- 3 wing
- 1-1/4" bore
- 3" diameter

**\$277**

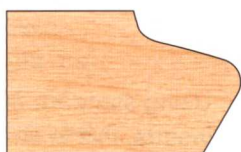
I-16-100

CARBIDE ONLY

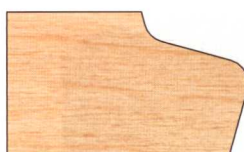
## DEDICATED DOOR EDGE DETAIL INSERT CUTTERS \$425



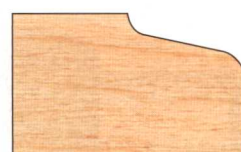
I-17-001



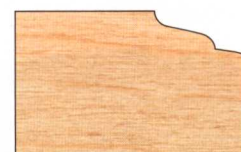
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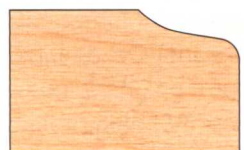
I-17-032



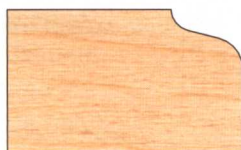
I-17-101



I-17-110



I-17-113



I-17-114

- 3 wing
- 1-1/4" bore
- 3-1/2" minor diameter
- 30 mm tips
- CCW, material fed face up
- These are dedicated profile heads (one profile per head)

## REVERSIBLE GLUE JOINT INSERT CUTTER \$549

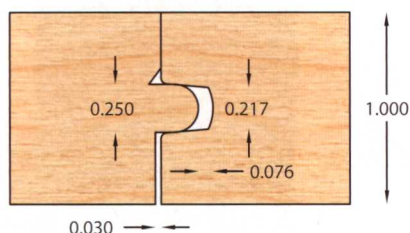


I-18-001

- Creates an incredibly strong joint by interlocking the glue surfaces
- 3 wing
- 3-1/2" minor diameter
- 1-1/4" bore
- Cuts from 1/4" to 1-7/8" material
- 50 mm tips
- CCW, fed as shown

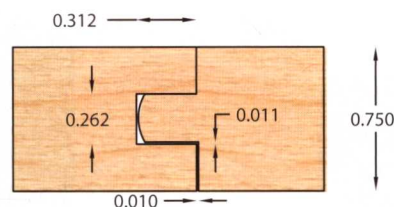
## FLOORING SET INSERT CUTTERS 2 PC. SETS \$925

I-19-030



- 3 wing
- 1-1/4" bore
- 3-1/2" minor diameter
- Cuts up to 1" material
- 30 mm tips
- CCW, material fed face down

I-19-500



- 3 wing
- 1-1/4" bore
- 3-1/2" minor diameter
- 30 mm tips
- Cuts up to 1" material
- CCW, material fed face down



## STRAIGHT CUTTER INSERTS



### IC-22-016-SP \$308

- 4" Outer Diameter
- 1-1/4" Bore
- 30mm Tip: IC-0300-050
- Spur: IC-0140-060



### IC-22-032-SP \$370

- 4" Outer Diameter
- 1-1/4" Bore
- 30mm Tip: IC-0600-050
- Spur: IC-0140-060

Using standard 30mm or 60mm carbide inserts, this is an easy and inexpensive way to perform trim or rabbet cuts.

*PLEASE NOTE: spurs are required for all cuts except trimming.*

## STRAIGHT CUTTER INSERTS



### IC-22-ADJ \$462

2 piece expandable groover set using 14 x 14 inserts. Set your cut from 12.5mm - 24mm by using the included spacer or shims.

- 6" outer diameter
- 1-1/4" Bore
- 4 cutting / 4 spur
- Tip: IC-0120-050
- Spur: IC-0140-060

## SPIRAL CUTTERS INSERTS WITH SPURS



### IS-22-032-SP \$372

- 4" Outer Diameter
- 1-1/4" Bore
- 4 Wing
- 2" Height
- Aluminum Body
- Tip: IC-0150-060
- Spur: IC-0140-060



### IS-22-048-SP \$421

- 4" Outer Diameter
- 1-1/4" Bore
- 4 Wing
- 3" Height
- Aluminum Body
- Tip: IC-0150-060
- Spur: IC-0140-060



### IS-22-064-SP \$494

- 4" Outer Diameter
- 1-1/4" Bore
- 4 Wing
- 4" Height
- Aluminum Body
- Tip: IC-0150-060
- Spur: IC-0140-060



# BRAZED TOOLING

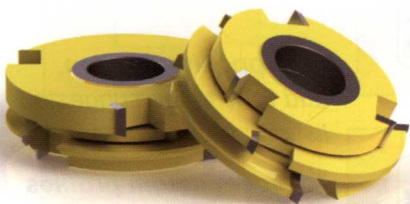
## COPE & PATTERN (6 Piece Cutter Sets)

Versatile and easy-to-use. These 6 piece cutter sets are designed to perform the 3 functions shown. Our standard sets cut 1/4" wide x 3/8" deep tongue and groove.

Our common minor diameter requires NO fence adjustment when changing from cope to pattern cuts (3/8" tongue only).

Counterclockwise rotation with wood fed face down.

For optional tongue and groove cutters and eased edge option, see page 13 and 14.



For **opposite rotation**, add 20% to the suggested list price.

To order **custom profiles**, see our Custom Made Tooling page in the back of the catalog. Same day quoting.

Wood samples shown actual size.

For eased edges add 20% to the suggested list price.

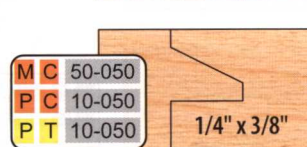
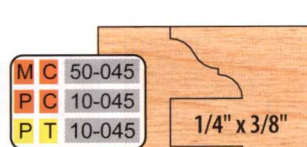
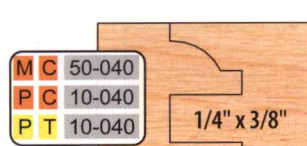
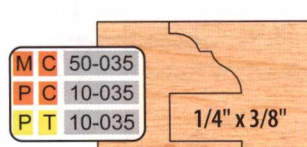
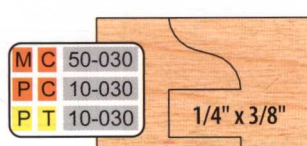
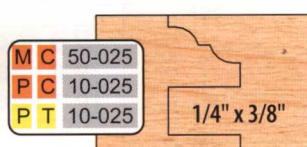
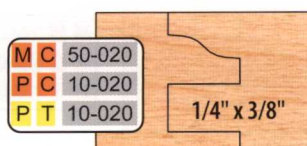
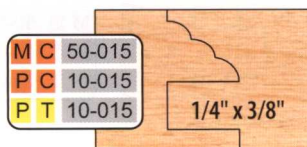
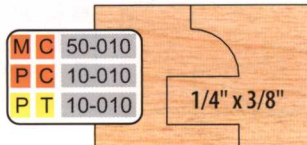


See stacking instructions on page 42.

MC \$655  
PC \$771  
PT \$848

### Cope & Pattern

3/4" to 1-1/8" material



### MINI-PRO cutters

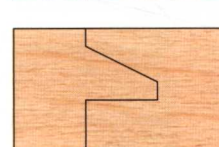
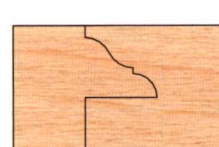
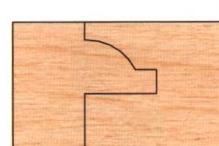
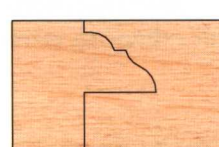
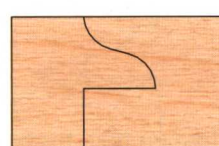
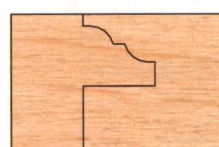
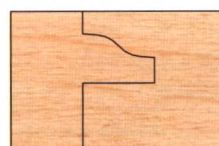
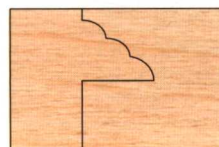
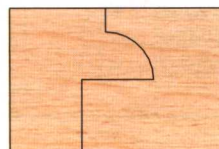
- 3 wing • 2-15/16" diameter
- 3/4" bore • Runs with a 2-3/16" diameter rub bearing (AM-90-035)
- CCW, material face down

### PRO-LINE cutters

- 3 wing • 4" diameter
- 1-1/4" bore • Runs with a 3-1/4" diameter rub bearing (AP-90-052)

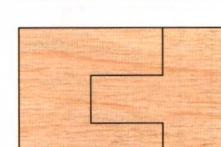
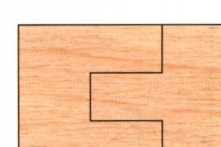
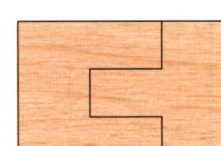
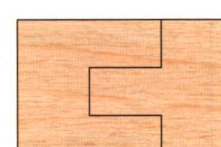
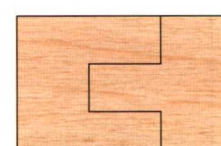
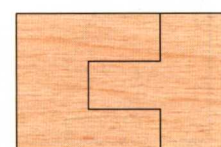
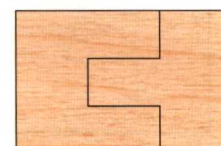
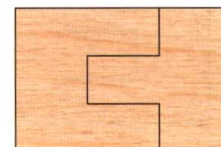
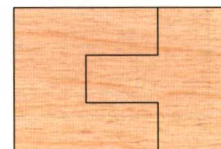
### Glass Panel

3/4" to 7/8" material



### Tongue & Groove

3/4" material





# COPE & PATTERN (6 Piece Cutter Sets)

## PRODUCT ORDER CODE

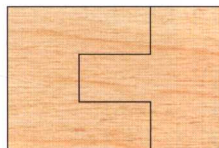
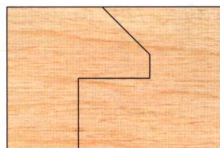
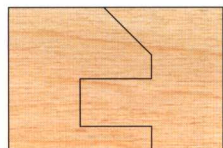
M	C	00-000
P	C	00-000
P	T	00-000

M - MINI-PRO	(3/4" Bore)
P - PRO-LINE	(1-1/4" Bore)
C - Carbide Tip	(Orange)
T - T-Alloy Tip	(Yellow)

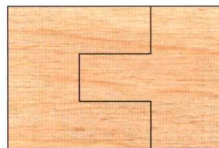
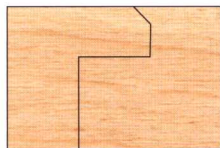
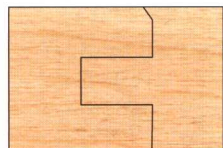
**Cope & Pattern**  
3/4" to 1-1/8" material

**Glass Panel**  
3/4" to 7/8" material

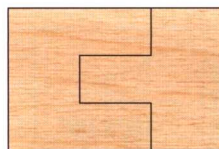
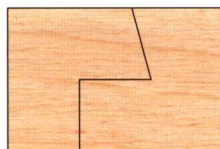
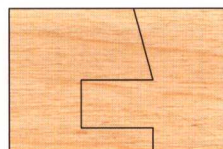
**Tongue & Groove**  
3/4" material



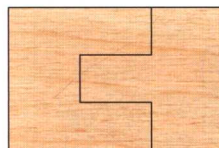
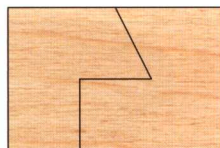
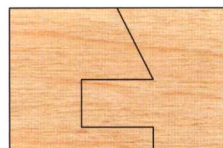
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P	C	10-055
P	T	10-055



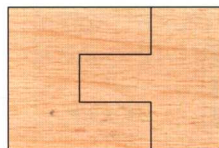
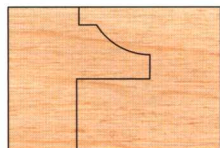
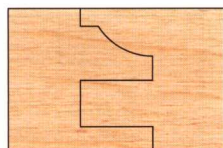
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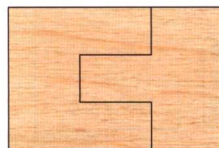
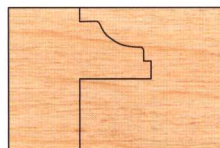
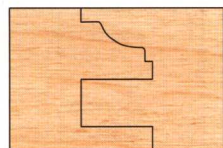
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P	T	10-060



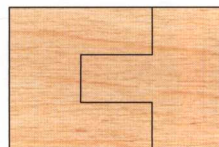
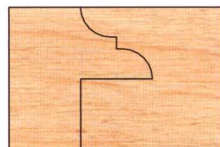
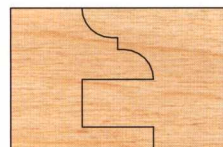
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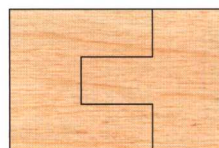
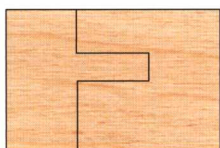
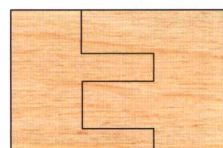
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P	T	10-070



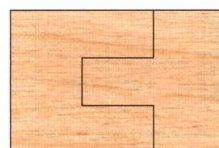
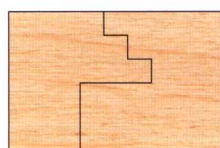
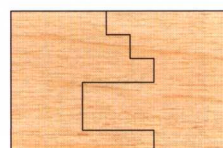
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P	T	10-075



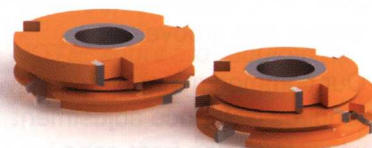
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M	C	50-090
P	C	10-090
P	T	10-090



M	C	50-091
P	C	10-091
P	T	10-091



See stacking instructions on page 42.

For **opposite rotation**, add 20% to the suggested list price.

To order **custom profiles**, see our Custom Made Tooling page in the back of the catalog. Same day quoting.

Wood samples shown actual size.

For eased edges add 20% to the suggested list price.



MC \$655  
PC \$771  
PT \$848



**COPE & PATTERN (6 Piece Cutter Sets)****MINI-PRO cutters**

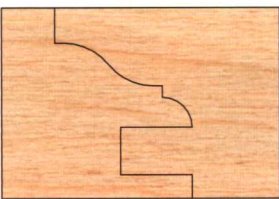
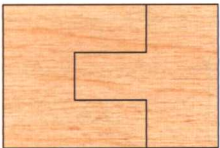
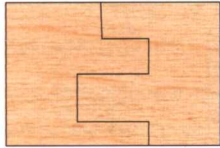
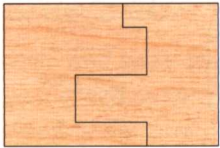
- 3 wing • 2-15/16" diameter
- 3/4" bore • Runs with a 2-3/16" diameter rub bearing (AM-90-035)
- CCW, material face down

**PRO-LINE cutters**

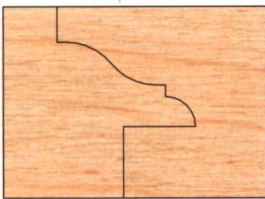
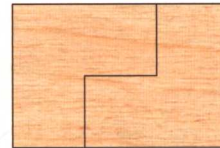
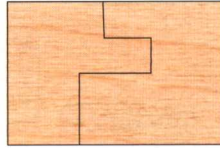
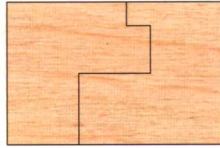
- 3 wing • 4" diameter
- 1-1/4" bore • Runs with a 3-1/4" diameter rub bearing (AP-90-052)

**Cope & Pattern**

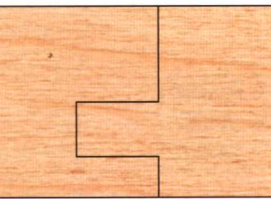
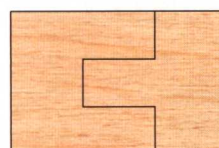
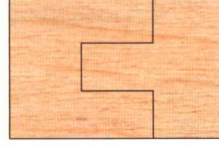
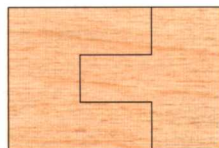
3/4" to 1-1/8" material

**Glass Panel**

3/4" to 7/8" material

**Tongue & Groove**

3/4" material



<b>M C</b>	50-092	\$655
<b>P C</b>	10-092	\$771
<b>P T</b>	10-092	\$848

<b>M C</b>	50-093	\$655
<b>P C</b>	10-093	\$771
<b>P T</b>	10-093	\$848

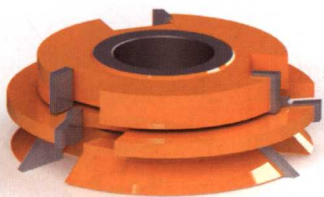
<b>M C</b>	50-500	\$537
<b>P C</b>	10-500	\$632
<b>P T</b>	10-500	\$685

<b>M C</b>	50-145	\$689
<b>P C</b>	10-145	\$844
<b>P T</b>	10-145	\$892

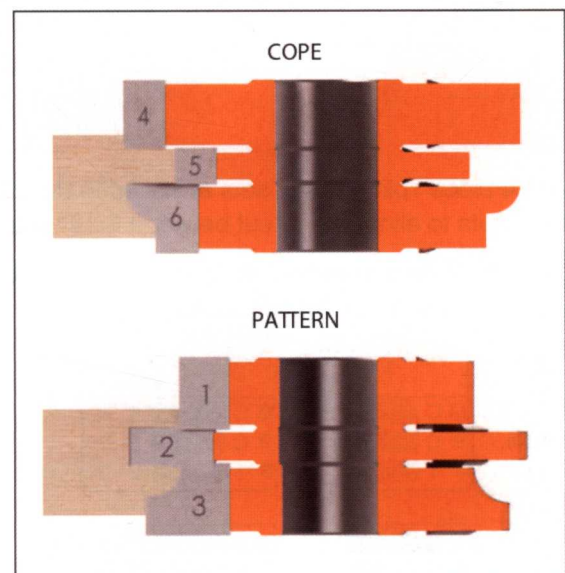
**OPTIONAL EASED EDGE SETS**

Eased edges are available on all 10 and 50 series cope and patterns. However, you cannot do glass panel or tongue and groove without optional groovers from page 14. Add 20% to the suggested list price.

**PLEASE NOTE:** Freeborn Tool Co. will be not responsible for bent center groovers due to incorrect stacking. Be sure to read the stacking instructions included with your cutters.



**REMEMBER:** Always stagger cutters when stacking. Never stack wing-to-wing or you will bend the center groover.





## CENTER GROOVER SETS (2 Piece Cutter Sets)

At time of purchase, you may substitute the following tongue & groove cutters for the standard tongue & groove cutters in your cope & pattern set, at no additional charge. If you choose an optional center groover set other than 3/8" depth, you will be unable to do the tongue & groove option.

Available on all M-50 and P-10 series cope & patterns.

For options other than 3/8" depth, diameters will no longer be the same, requiring fence adjustments between cuts.

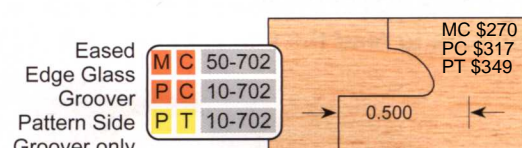
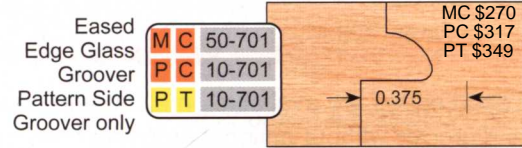
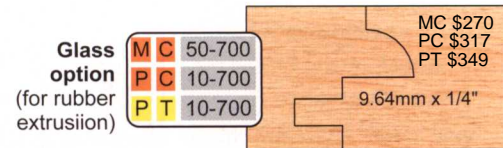
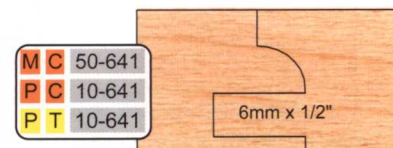
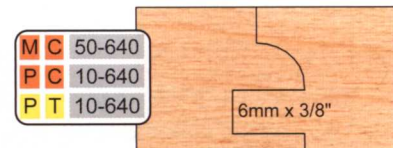
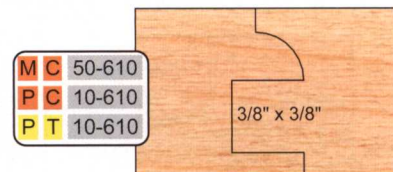
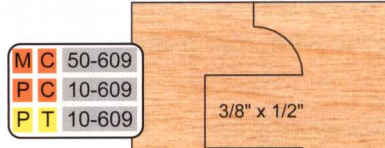
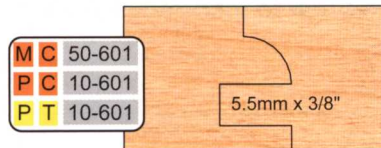
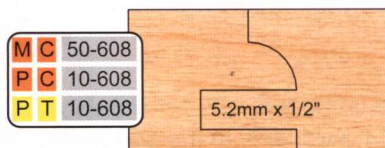
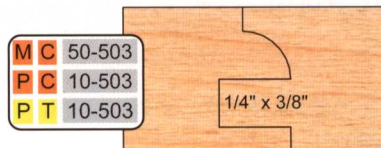
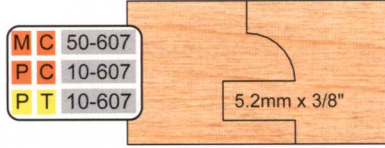
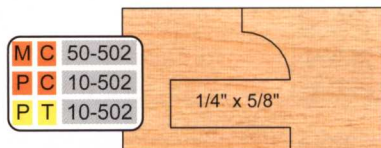
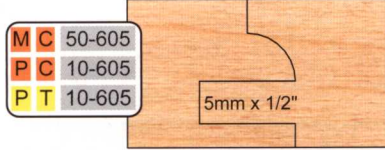
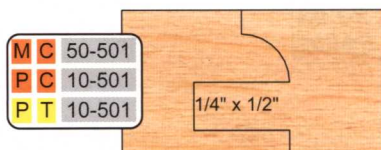
MC \$184  
PC \$216  
PT \$240

**Center Groovers Only** - Profile cutters not included

### PRODUCT ORDER CODE

M	C	00-000
P	C	00-000
P	T	00-000

M - MINI-PRO	(3/4" Bore)
P - PRO-LINE	(1-1/4" Bore)
C - Carbide Tip	(Orange)
T - T-Alloy Tip	(Yellow)



## CENTER GROOVER SETS (4 Piece Cutter Sets)

These 4 piece split groover sets are used in the 10 and 50 series cope and pattern sets to allow you to cut between 3/16" and just under 3/8" with shims.

NOTE: Provides adjustment for spindle alignment issues. Exchange for standard center groovers for an additional fee.

3/8" Depth	MC 50-403	\$405	MC 50-403	EE	\$445
	PC 10-403	\$477	PC 10-403	EE	\$524
	PT 10-403	\$525	PT 10-403	EE	\$577

1/2" Depth	MC 50-401	\$405	MC 50-401	EE	\$445
	PC 10-401	\$477	PC 10-401	EE	\$524
	PT 10-401	\$525	PT 10-401	EE	\$577





**COPE & PATTERN (6 Piece Cutter Sets)****1/2" DEPTH OF PATTERN**

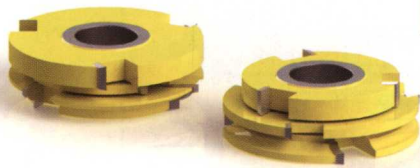
MC \$687  
PC \$808  
PT \$890

**Deeper Profile Sets**

Versatile and easy-to-use. These 6 piece cutter sets are designed to perform the 3 functions shown. Our standard sets cut 1/4" wide by 1/2" deep tongue and groove.

Our common minor diameter requires NO fence adjustment when changing from cope to pattern cuts. (1/2" tongue only)

Counterclockwise rotation with wood fed face down.

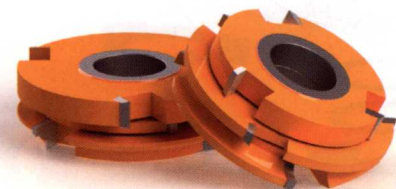


For opposite rotation add 20% to the suggested list price.

Wood samples shown actual size.

For eased edges add 20% to the suggested list price.

See page 13 for eased edge information



See page 16 for Tongue and Groove options

**MINI-PRO cutters**

- 3 wing • 3.19" diameter
- 3/4" bore • Runs with rub bearing (AM-90-035)
- CCW, material face down

**PRO-LINE cutters**

- 3 wing • 4.25" diameter
- 1-1/4" bore • Runs with a rub bearing (AP-90-052)

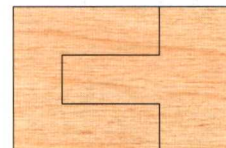
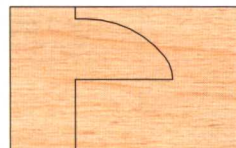
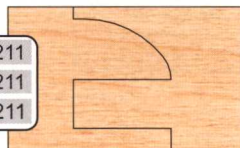
**3/4" to 1-1/8" material**

**Cope & Pattern**  
3/4" to 1-1/8" material

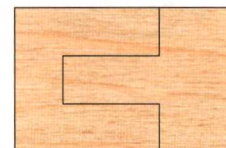
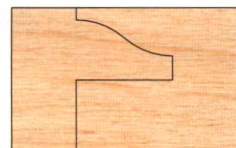
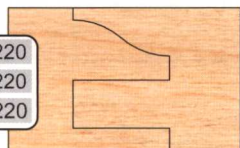
**Glass Panel**  
3/4" to 7/8" material

**Tongue & Groove**  
3/4" material

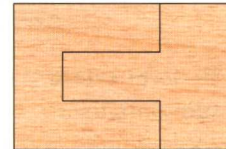
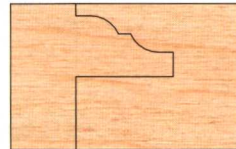
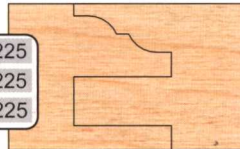
MC 50-211  
PC 10-211  
PT 10-211



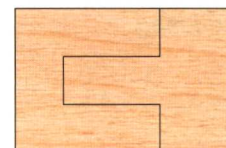
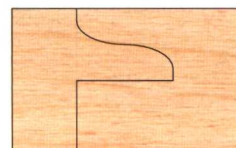
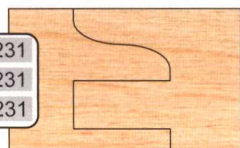
MC 50-220  
PC 10-220  
PT 10-220



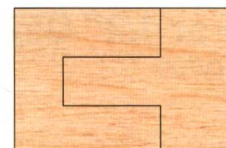
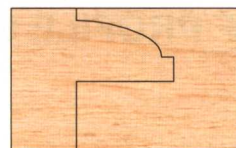
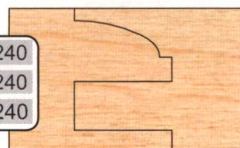
MC 50-225  
PC 10-225  
PT 10-225



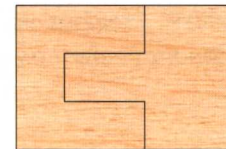
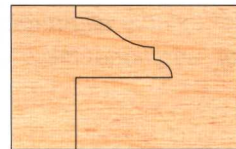
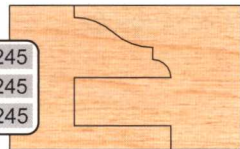
MC 50-231  
PC 10-231  
PT 10-231



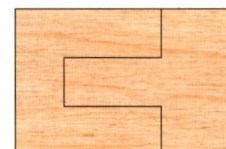
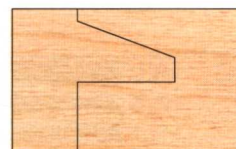
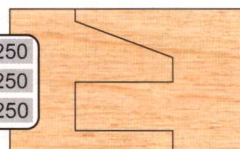
MC 50-240  
PC 10-240  
PT 10-240



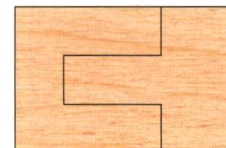
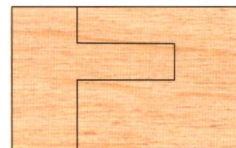
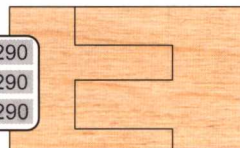
MC 50-245  
PC 10-245  
PT 10-245



MC 50-250  
PC 10-250  
PT 10-250



MC 50-290  
PC 10-290  
PT 10-290





## CENTER GROOVER SETS (2 Piece Cutter Sets)

### PRODUCT ORDER CODE

<b>M</b>	<b>C</b>	<b>00-000</b>
<b>P</b>	<b>C</b>	<b>00-000</b>
<b>P</b>	<b>T</b>	<b>00-000</b>

<b>M</b> - MINI-PRO	(3/4" Bore)
<b>P</b> - PRO-LINE	(1-1/4" Bore)
<b>C</b> - Carbide Tip	(Orange)
<b>T</b> - T-Alloy Tip	(Yellow)

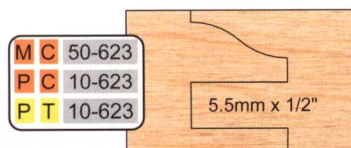
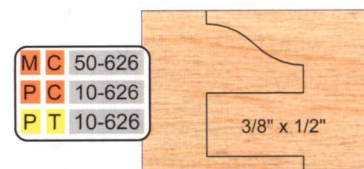
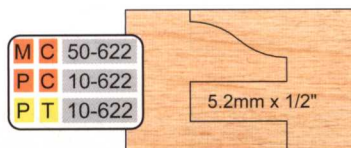
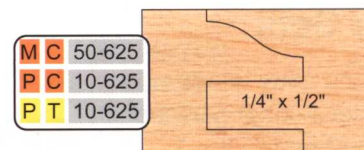
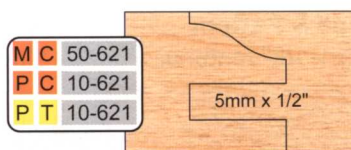
### For 1/2" DEPTH OF PROFILE SETS

(page 15)

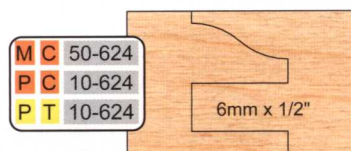
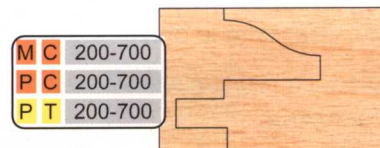
At time of purchase, you may substitute the following tongue & groove cutters for the standard tongue & groove cutters in your cope & pattern

MC \$184  
PC \$216  
PT \$240

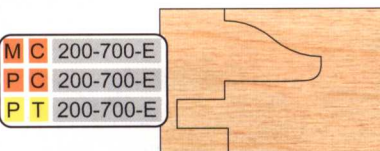
#### Center Groovers Only - Profile cutters not included



\$245  
\$317  
\$349



\$294  
\$380  
\$456



To order **custom profiles**, see our Custom Made Tooling page in the back of the catalog. Same day quoting.

## SPLIT GROOVER SET

### For 1/2" DEPTH OF PROFILE SETS

(page 15)

These 4 piece split groover sets are used in the 10 and 50 series cope and pattern sets to allow you to cut between 3/16" and just under 3/8" with shims.

**NOTE:** Provides adjustment for spindle alignment issues. Exchange for standard center groovers for an additional fee.

1/2" Depth

<b>M</b>	<b>C</b>	50-402	\$405	<b>M</b>	<b>C</b>	50-402-EE	\$445
<b>P</b>	<b>C</b>	10-402	\$477	<b>P</b>	<b>C</b>	10-402-EE	\$524
<b>P</b>	<b>T</b>	10-402	\$525	<b>P</b>	<b>T</b>	10-402-EE	\$577





# DOUBLE SIDED COPE & PATTERN (8 Piece Cutter Sets)

MC \$1,190  
PC \$1,400  
PT \$1,540

Standard sets cut 1/4" x 5/8" or 1/2" x 5/8" deep tongue and groove. Mini-Pro is not to be used on 1/2" spindle.

These 8 piece cutter sets are built to cut both 1-3/8" passage doors and 1-3/4" entry doors simply by changing the center cutters.

A 2 piece glass panel groover set is also available to run with these sets (see page 19 ).

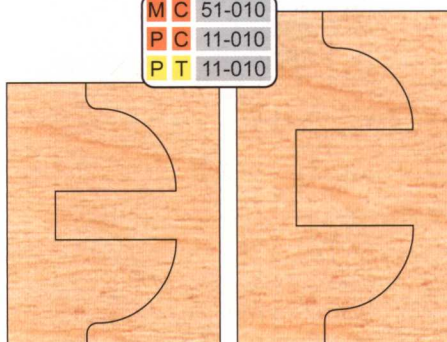
## MINI-PRO cutters

• 3 wing • 2-15/16" diameter  
• 3/4" bore • Runs with a 1-11/16" diameter rub bearing (AM-90-027)

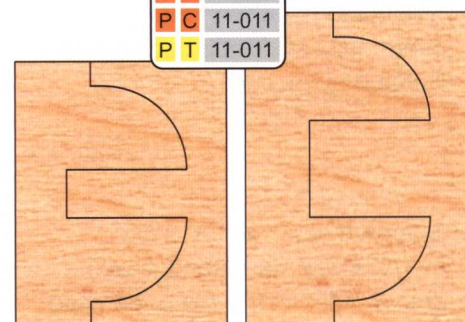
## PRO-LINE cutters

• 3 wing • 4" diameter  
• 1-1/4" bore • Runs with a 3-1/4" diameter rub bearing (AP-90-044)

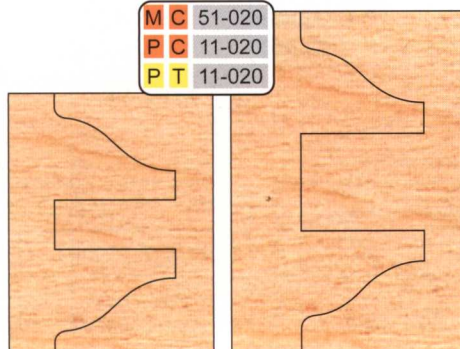
MC 51-010  
PC 11-010  
PT 11-010



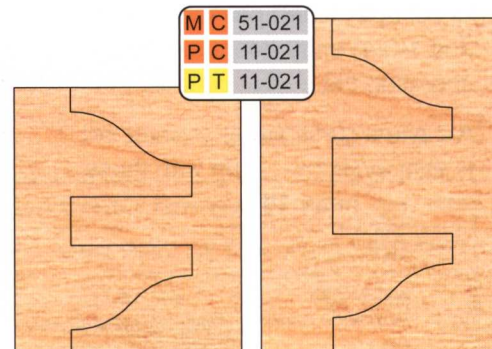
MC 51-011  
PC 11-011  
PT 11-011



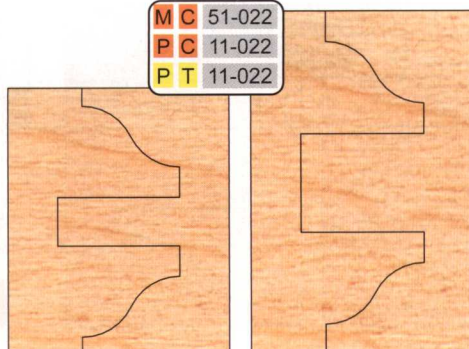
MC 51-020  
PC 11-020  
PT 11-020



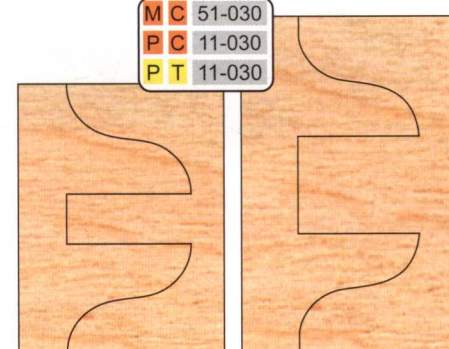
MC 51-021  
PC 11-021  
PT 11-021



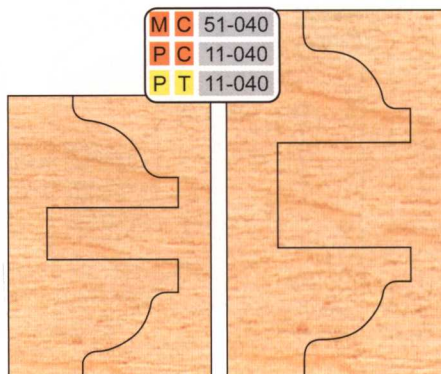
MC 51-022  
PC 11-022  
PT 11-022



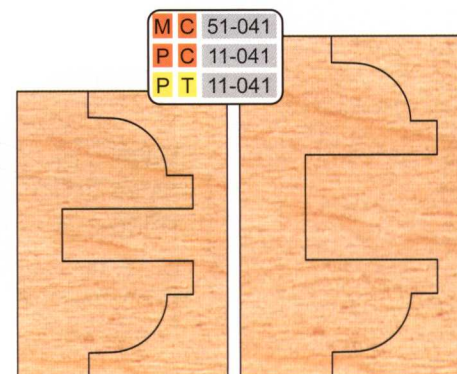
MC 51-030  
PC 11-030  
PT 11-030



MC 51-040  
PC 11-040  
PT 11-040



MC 51-041  
PC 11-041  
PT 11-041





# DOUBLE SIDED COPE & PATTERN (8 Piece Cutter Sets)

## PRODUCT ORDER CODE

<b>M</b>	<b>C</b>	<b>00-000</b>
<b>P</b>	<b>C</b>	<b>00-000</b>
<b>P</b>	<b>T</b>	<b>00-000</b>

<b>M</b> - MINI-PRO	(3/4" Bore)
<b>P</b> - PRO-LINE	(1-1/4" Bore)
<b>C</b> - Carbide Tip	(Orange)
<b>T</b> - T-Alloy Tip	(Yellow)

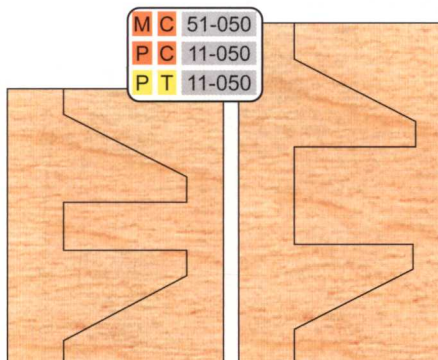
Eased edges are available for an additional 20%.

See custom cutter ordering information on inside back cover. Same day quoting.

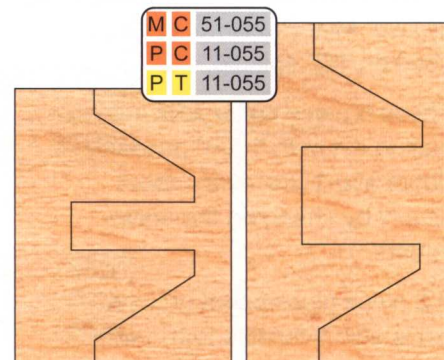
Standard sets cut 1/4" x 5/8" or 1/2" x 5/8" deep tongue and groove. Mini-Pro is not to be used on 1/2" spindle.

These 8 piece cutter sets are built to cut both 1-3/8" passage doors and 1-3/4" entry doors simply by changing the center cutters.

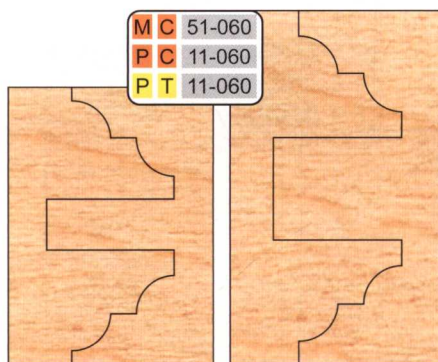
A 2 piece glass panel groover set is also available to run with these sets (see page 19 ).



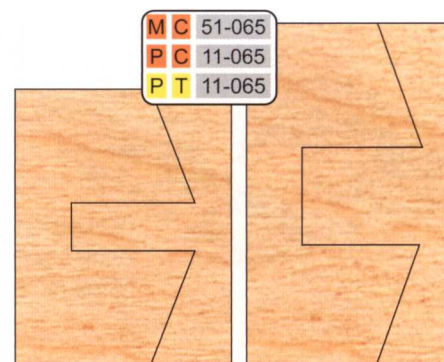
<b>M</b>	<b>C</b>	<b>51-050</b>
<b>P</b>	<b>C</b>	<b>11-050</b>
<b>P</b>	<b>T</b>	<b>11-050</b>



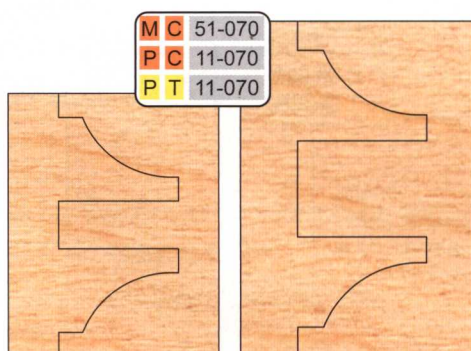
<b>M</b>	<b>C</b>	<b>51-055</b>
<b>P</b>	<b>C</b>	<b>11-055</b>
<b>P</b>	<b>T</b>	<b>11-055</b>



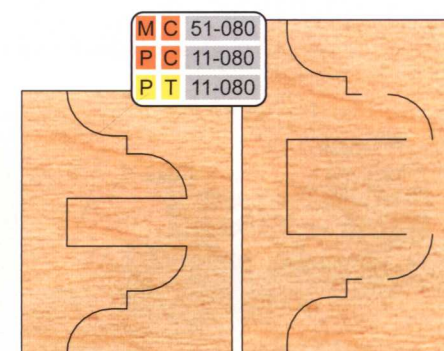
<b>M</b>	<b>C</b>	<b>51-060</b>
<b>P</b>	<b>C</b>	<b>11-060</b>
<b>P</b>	<b>T</b>	<b>11-060</b>



<b>M</b>	<b>C</b>	<b>51-065</b>
<b>P</b>	<b>C</b>	<b>11-065</b>
<b>P</b>	<b>T</b>	<b>11-065</b>

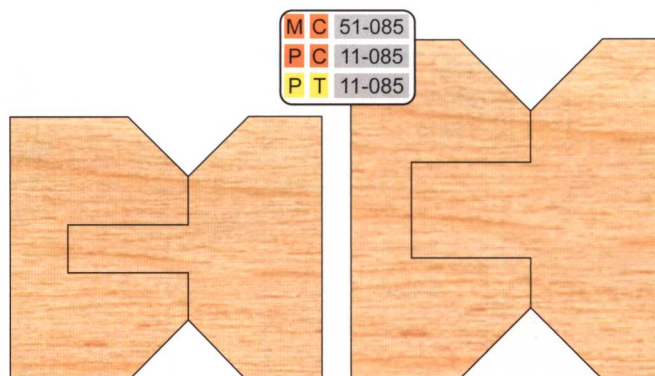


<b>M</b>	<b>C</b>	<b>51-070</b>
<b>P</b>	<b>C</b>	<b>11-070</b>
<b>P</b>	<b>T</b>	<b>11-070</b>

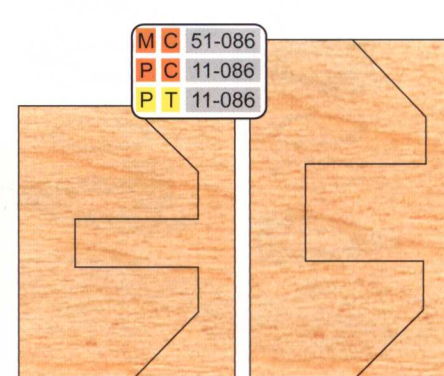


<b>M</b>	<b>C</b>	<b>51-080</b>
<b>P</b>	<b>C</b>	<b>11-080</b>
<b>P</b>	<b>T</b>	<b>11-080</b>

MC \$1,190  
PC \$1,400  
PT \$1,540



<b>M</b>	<b>C</b>	<b>51-085</b>
<b>P</b>	<b>C</b>	<b>11-085</b>
<b>P</b>	<b>T</b>	<b>11-085</b>



<b>M</b>	<b>C</b>	<b>51-086</b>
<b>P</b>	<b>C</b>	<b>11-086</b>
<b>P</b>	<b>T</b>	<b>11-086</b>



**DOUBLE SIDED COPE & PATTERN** (8 Piece Cutter Sets)

Standard sets cut 1/4" x 5/8" or 1/2" x 5/8" deep tongue and groove. Mini-Pro is not to be used on 1/2" spindle.

These 8 piece cutter sets are built to cut both 1-3/8" passage doors and 1-3/4" entry doors simply by changing the center cutters.

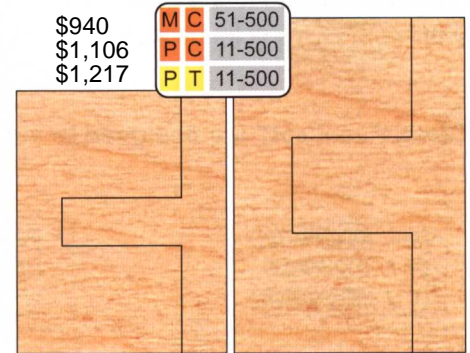
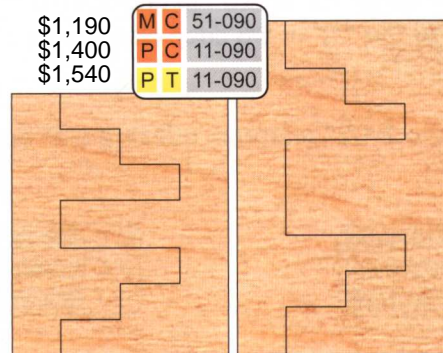
Any of the below groover sets may be exchanged at no charge at the time of purchase.

**MINI-PRO cutters**

- 3 wing • 2-15/16" diameter
- 3/4" bore • Runs with a 1-11/16" diameter rub bearing (AM-90-027)

**PRO-LINE cutters**

- 3 wing • 4" diameter
- 1-1/4" bore • Runs with a 2-3/4" diameter rub bearing (AP-90-044)

**DOUBLE SIDED COPE & PATTERN GROOVER OPTIONS** (2 Piece Groover Sets)

<b>5/8" Deep Center Groover Chart</b>		
	• MINI PRO SET	• PRO-LINE SET
1/4" GROOVERS ONLY	MC-51-904	PC-11-904
		PT-11-904
3/8" GROOVERS ONLY	MC-51-903	PC-11-903
		PT-11-903
1/2" GROOVERS ONLY	MC-51-905	PC-11-905
		PT-11-905

<b>1/2" Deep Center Groover Chart</b>		
	• MINI PRO SET	• PRO-LINE SET
1/4" x 1/2"	MC-51-906	PC-11-906
		PT-11-906
3/8" x 1/2"	MC-51-907	PC-11-907
		PT-11-907
1/2" x 1/2"	MC-51-908	PC-11-908
		PT-11-908

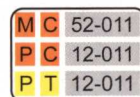
MC \$184  
PC \$216  
PT \$240

**DOUBLE SIDED COPE & PATTERN GLASS PANEL OPTIONS** (2 Piece Groover Sets)

These Glass Panel sets consist of 2" groovers to allow a total material height of 2-1/2" when run with the profile cutters from your Cope and Pattern set. Any of the Double Sided Cope and Pattern profiles can be made into dedicated Glass Panel sets and are shown on pages 20 and 21.

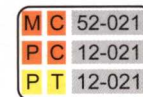
MC \$262  
PC \$308  
PT \$339

Runs with 010, 011, 022, 040, 041, 060 and 500.



Profile shapes are for example only. Set consists of 2 groovers only.

Runs with 020, 021, 030, 050, 070, 080, 090 and 500.





**GLASS PANEL** (4 Piece Sets)**MINI-PRO cutters**

- 3 wing • 2-15/16" diameter
- 3/4" bore • Runs with a 1-11/16" diameter rub bearing (AM-90-027)

**PRO-LINE cutters**

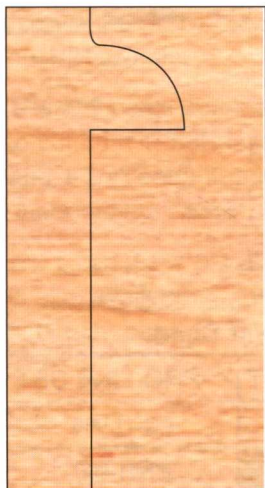
- 3 wing • 4" diameter
- 1-1/4" bore • Runs with a 2-3/4" diameter rub bearing (AP-90-044)

Freeborn Tool company now offers 4 piece Glass Panel Sets. Each set comes with 2 profile cutters and 2 glass panel goovers matched to the depth of the profile, either 1/2" or 5/8". In addition, for profiles 065-086 which have a different profile depth, you can choose between either the 1/2" or 5/8 deep glass panel cut.

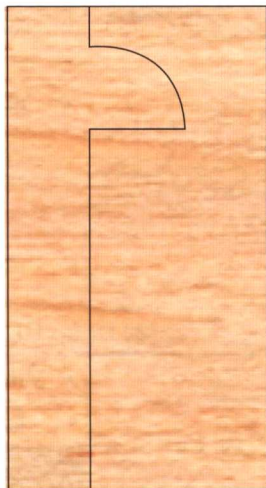
MC \$639  
PC \$752  
PT \$861

Glass Panel sets are designed to cut up to 2-1/2" material, utilizing a 2" groover, and the profile cutter

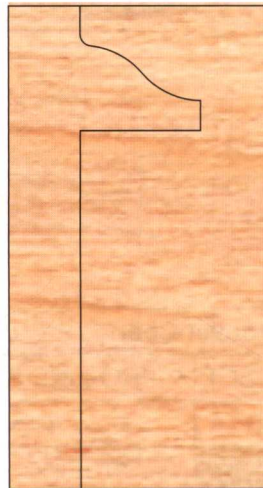
MC 51-010-GP  
PC 11-010-GP  
PT 11-010-GP



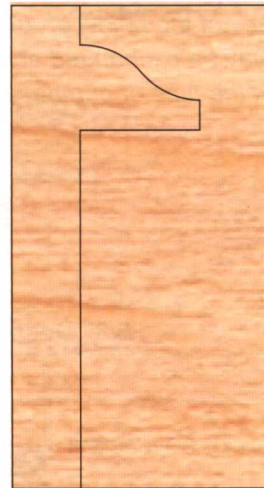
MC 51-011-GP  
PC 11-011-GP  
PT 11-011-GP



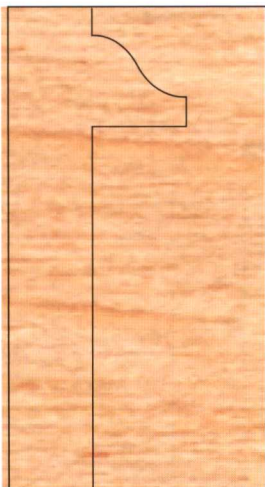
MC 51-020-GP  
PC 11-020-GP  
PT 11-020-GP



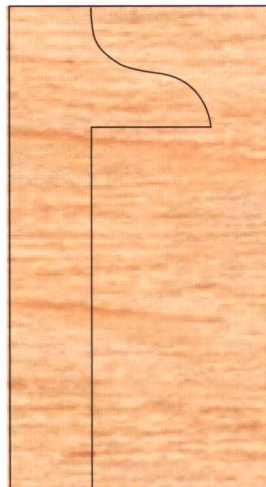
MC 51-021-GP  
PC 11-021-GP  
PT 11-021-GP



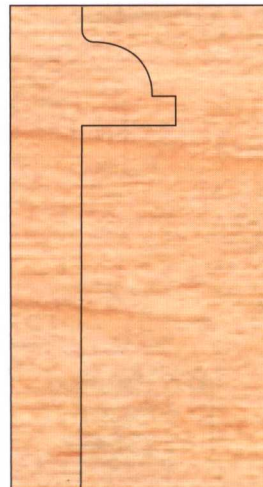
MC 51-022-GP  
PC 11-022-GP  
PT 11-022-GP



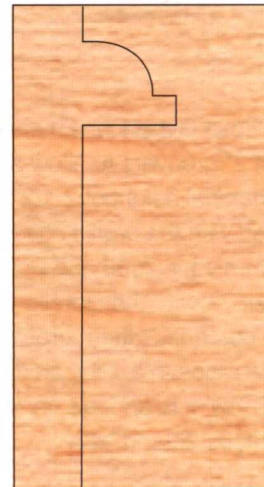
MC 51-030-GP  
PC 11-030-GP  
PT 11-030-GP



MC 51-040-GP  
PC 11-040-GP  
PT 11-040-GP



MC 51-041-GP  
PC 11-041-GP  
PT 11-041-GP





**GLASS PANEL (4 Piece Sets)**

MC \$639  
PC \$752  
PT \$861

Glass Panel sets are designed to cut up to 2-1/2" material, utilizing a 2" groover, and the profile cutter

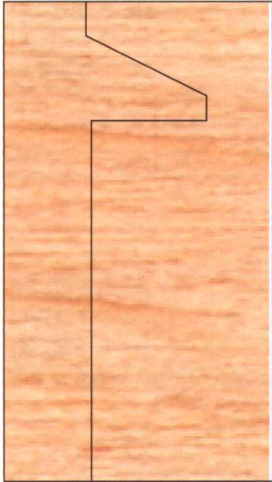
**MINI-PRO cutters**

- 3 wing • 2-15/16" diameter
- 3/4" bore • Runs with a 1-11/16" diameter rub bearing (AM-90-027)

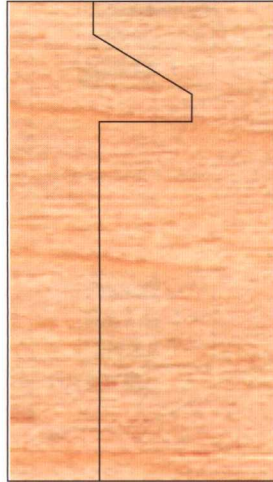
**PRO-LINE cutters**

- 3 wing • 4" diameter
- 1-1/4" bore • Runs with a 2-3/4" diameter rub bearing (AP-90-044)

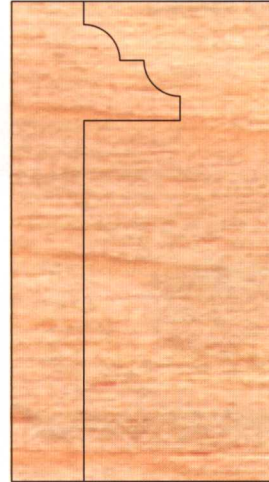
MC 51-050-GP  
PC 11-050-GP  
PT 11-050-GP



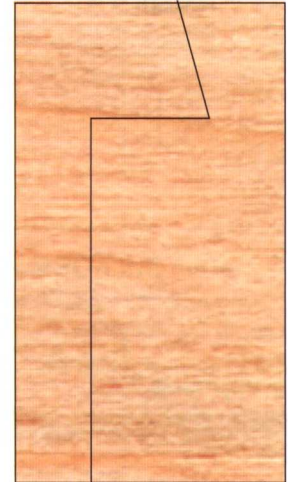
MC 51-055-GP  
PC 11-055-GP  
PT 11-055-GP



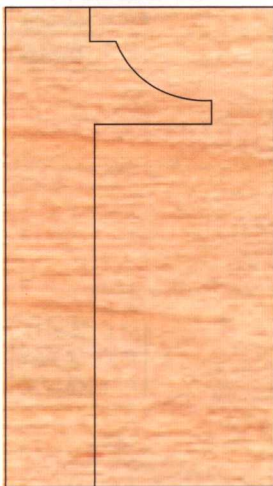
MC 51-060-GP  
PC 11-060-GP  
PT 11-060-GP



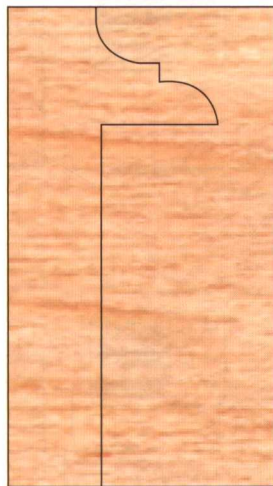
MC 51-065-GP  
PC 11-065-GP  
PT 11-065-GP



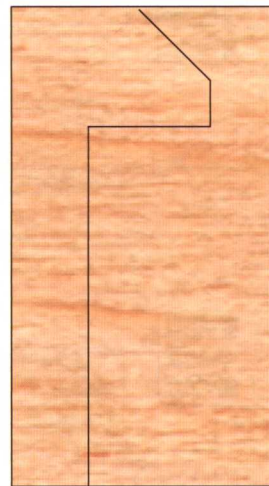
MC 51-070-GP  
PC 11-070-GP  
PT 11-070-GP



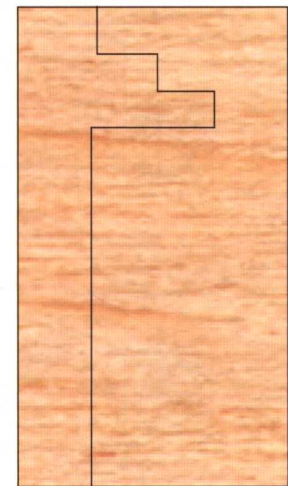
MC 51-080-GP  
PC 11-080-GP  
PT 11-080-GP



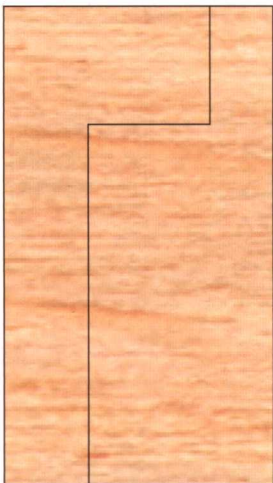
MC 51-086-GP  
PC 11-086-GP  
PT 11-086-GP



MC 51-090-GP  
PC 11-090-GP  
PT 11-090-GP



MC 51-500-GP  
PC 11-500-GP  
PT 11-500-GP



For profile 065 and 086 let us know at the time of order what depth you would like the glass panel cut to be: either 1/2" or 5/8" deep.



**RAISED PANEL SHAPER CUTTERS (3/4" MATERIAL)****MINI-PRO cutters**

- 3 wing • 4-1/2" diameter
- 3/4" bore • Runs with a 1-5/8" diameter rub bearing (AM-90-026)

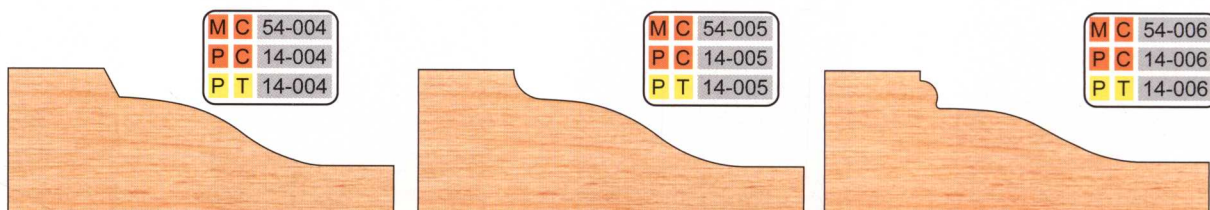
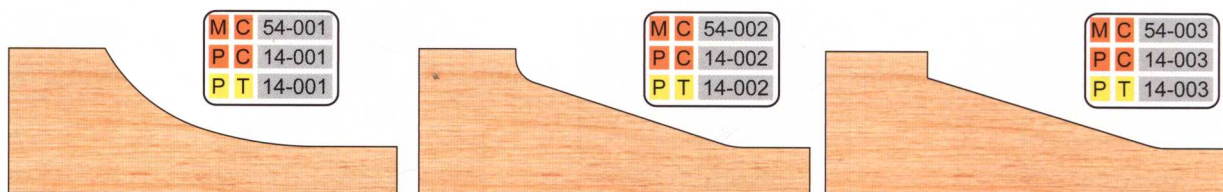
**PRO-LINE cutters**

- 3 wing • 6" diameter
- 1-1/4" bore • Runs with a 3" diameter rub bearing (AP-90-048)

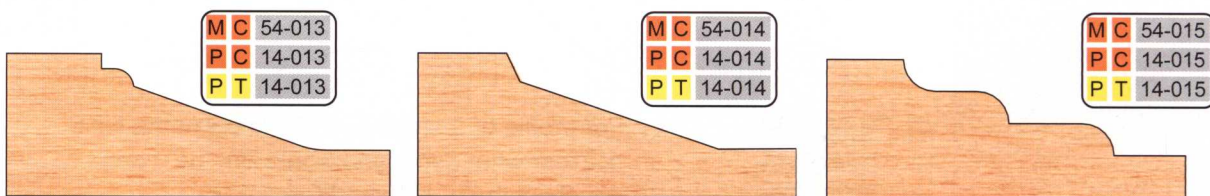
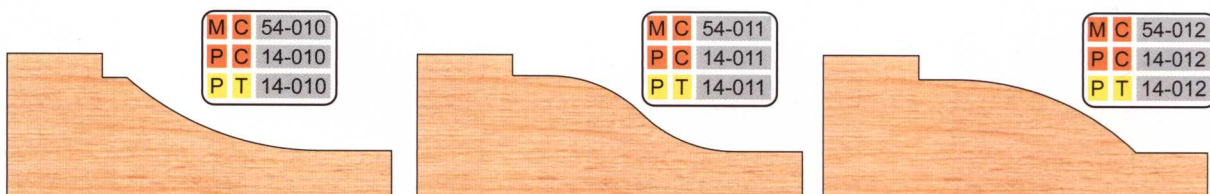
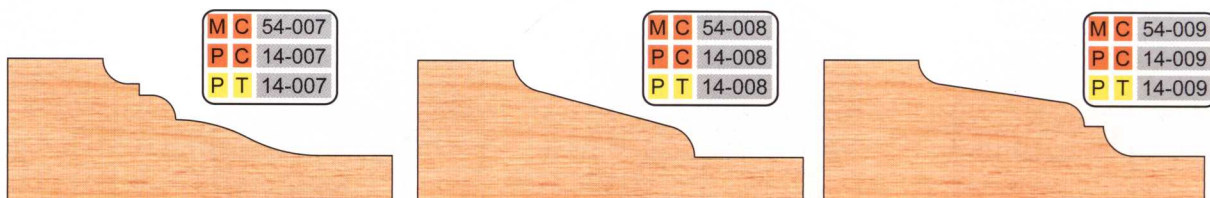
Our raised panel cutters are manufactured with 15° SHEAR to produce optimum cuts both with and across the grain.

Counterclockwise rotation with wood fed face up.

MC \$335  
PC \$393  
PT \$432



For **opposite rotation**, add 20% to the suggested list price.



## RAISED PANEL SHAPER CUTTERS (3/4" MATERIAL)

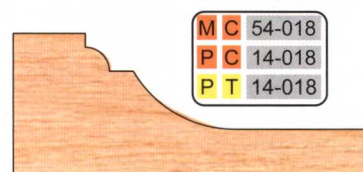
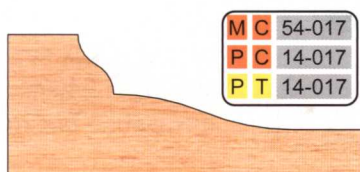
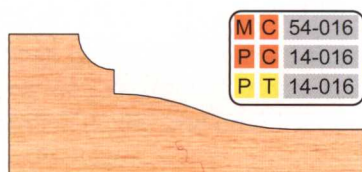
MC \$335  
PC \$393  
PT \$432

### MINI-PRO cutters

- 3 wing • 4-1/2" diameter
- 3/4" bore • Runs with a 1-5/8" diameter rub bearing (AM-90-026)

### PRO-LINE cutters

- 3 wing • 6" diameter
- 1-1/4" bore • Runs with a 3" diameter rub bearing (AP-90-048)



## RAISED PANEL SHAPER CUTTERS (5/8" MATERIAL)

Use with a back cutter to cut 3/4" material.

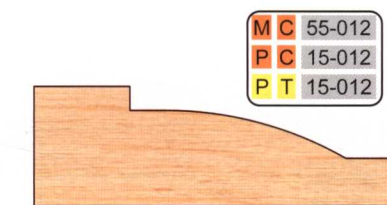
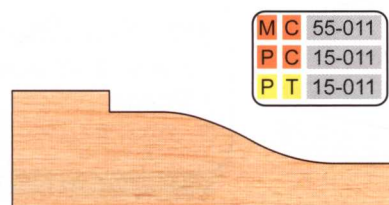
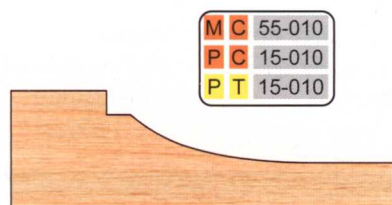
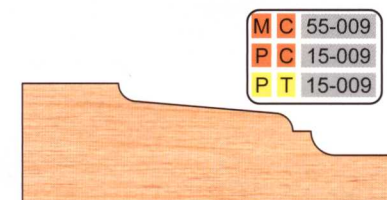
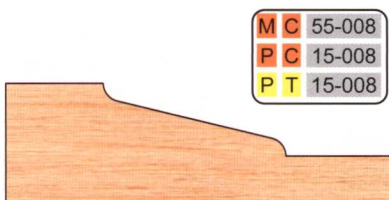
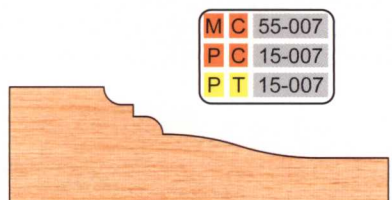
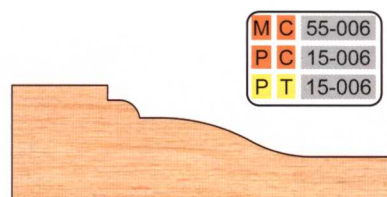
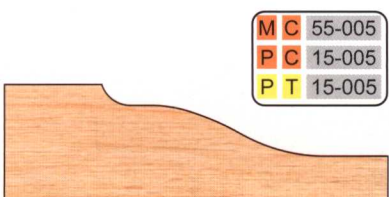
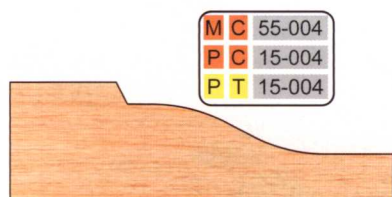
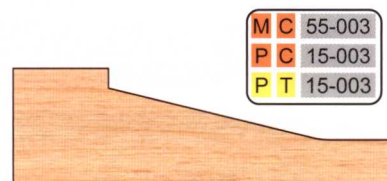
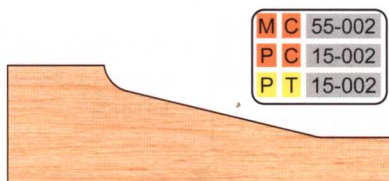
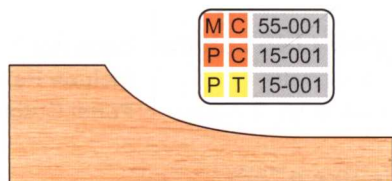
MC \$335  
PC \$393  
PT \$432

### MINI-PRO cutters

- 3 wing • 4-1/2" diameter
- 3/4" bore • Runs with a 1-5/8" diameter rub bearing (AM-90-026)

### PRO-LINE cutters

- 3 wing • 6" diameter
- 1-1/4" bore • Runs with a 3" diameter rub bearing (AP-90-048)





## RAISED PANEL SHAPER CUTTERS (5/8" MATERIAL)

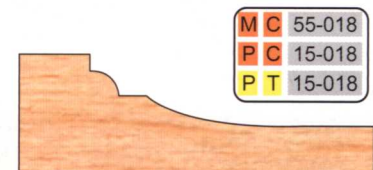
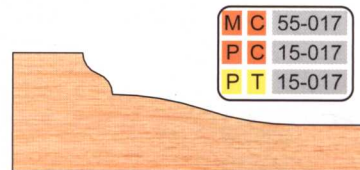
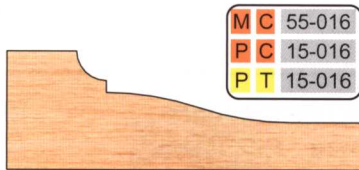
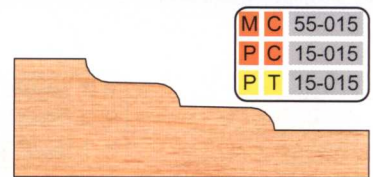
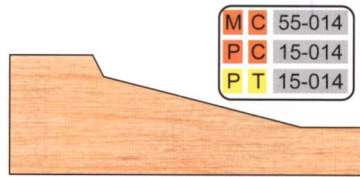
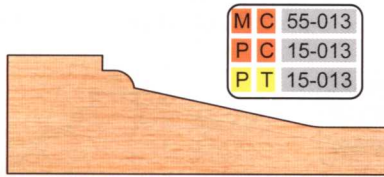
Use with a back cutter to cut 3/4" material.

MC \$335  
PC \$393  
PT \$432

Our raised panel cutters are manufactured with 15° SHEAR to produce optimum cuts both with and across the grain.

Counterclockwise rotation with wood fed face up.

For **opposite rotation**, add 20% to the suggested list price.



### MINI-PRO cutters

- 3 wing • 4-1/2" diameter
- 3/4" bore • Runs with a 1-5/8" diameter rub bearing (AM-90-026)

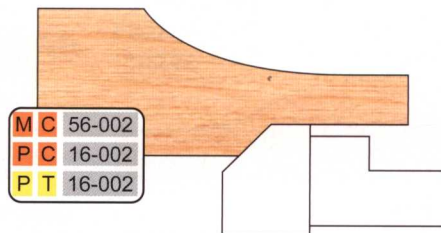
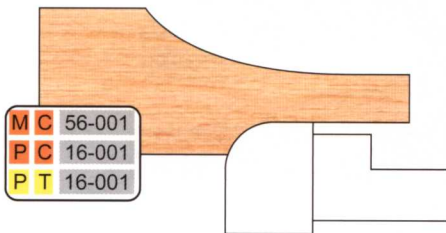
### PRO-LINE cutters

- 3 wing • 6" diameter
- 1-1/4" bore • Runs with a 3" diameter rub bearing (AP-90-048)

## BACK CUTTERS - RAISED PANEL (3/4" MATERIAL)

MC \$245  
PC \$288  
PT \$317

Use with a 55/15 series raised panel for 3/4" material.



### MINI-PRO cutters

- 3 wing • 1-5/8" diameter
- 3/4" bore

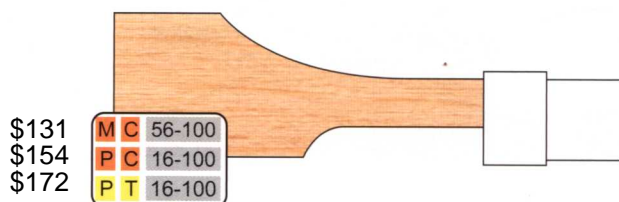
### PRO-LINE cutters

- 3" diameter
- 3/4" bore

Does not include Raised Panel Cutter



## RAISED PANEL TONGUE TRIMMER



\$131  
\$154  
\$172

### MINI-PRO cutters

- 3 wing • 3-3/8" diameter
- 3/4" bore

### PRO-LINE cutters

- 3-3/8" diameter
- 3/4" bore

Does not include Raised Panel Cutter



## RAISED PANEL SHAPER CUTTERS (1/2" MATERIAL)

Manufactured with 15° SHEAR to produce optimum cuts both with and across the grain.

Counterclockwise rotation with wood fed face up.

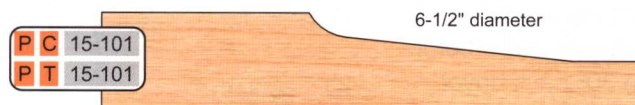
These raised panel cutters cut a 1-3/8" reveal plus a 3/8" long tongue. Reduce production time by adding an opposite rotation cutter, and produce double sided raised panels in a single pass.

Opposite rotation cutters are made to order.

PC \$393  
PT \$432

### PRO-LINE cutters

- 3 wing • 1-1/4" bore
- designed to run with a 3" diameter rub bearing (AP-90-048)
- Available in pro-line only



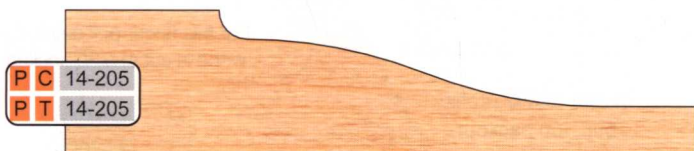
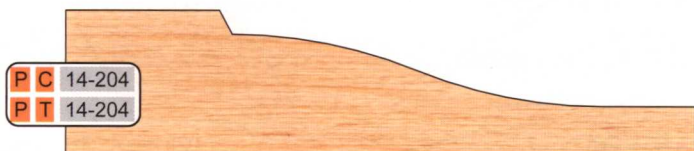
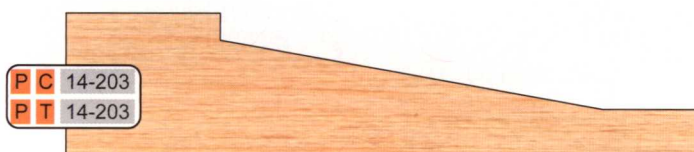
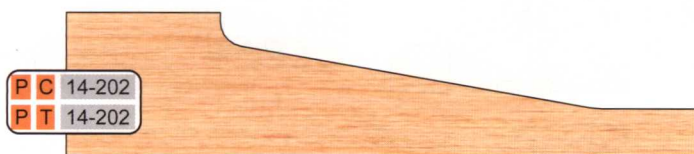
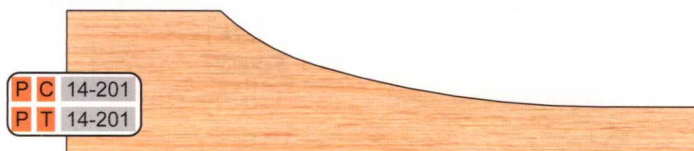
## RAISED PANEL SHAPER CUTTERS

PC \$472  
PT \$520

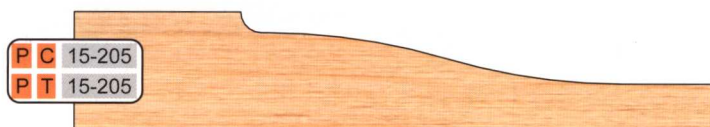
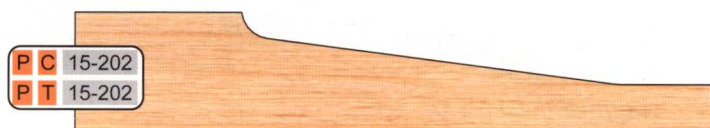
### PRO-LINE cutters

- 3 wing • 1-1/4" bore
- designed to run with a 2-1/4" diameter rub bearing (AP-90-036)
- Available in pro-line only
- Diameters vary from 7-1/4" to 7-1/2"
- 2-1/2" overall depth of cut
- 1/2" Tenon

3/4" material



5/8" material





Weaver Company 800-255-6214

## DOOR EDGE DETAIL SHAPER CUTTERS

All of these wood samples are full scale as shown. Whether it is a 30° back bevel, fingerpull, 3/8" offset, or flush overlay door, we offer a wide selection to choose from.

Counterclockwise rotation with wood fed face up.

To order **custom profiles**, see our *Custom Made Tooling* page in the back of the catalog.



For **opposite rotation**, add 20% to the suggested list price.

Wood samples shown actual size.

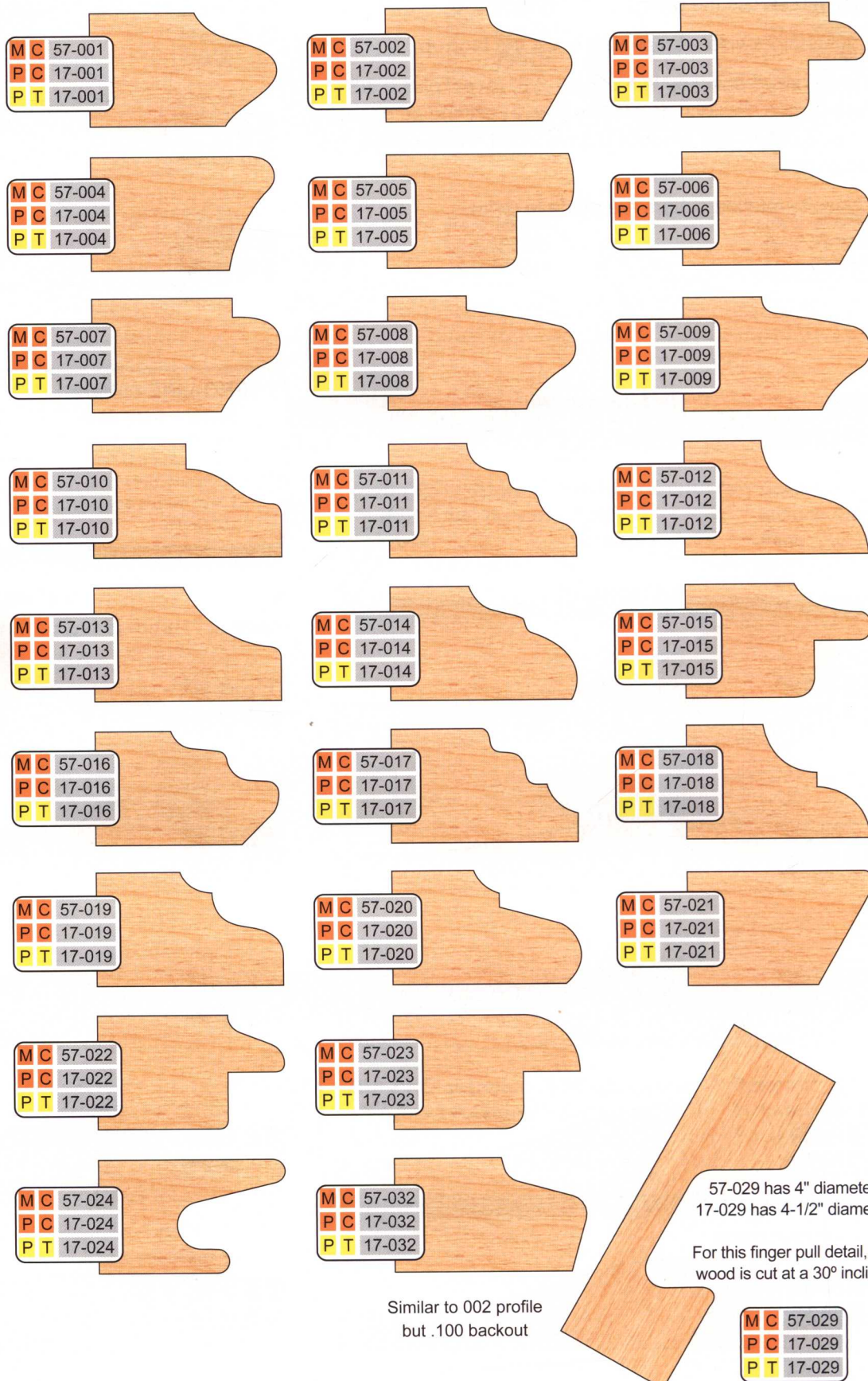
MC \$277  
PC \$326  
PT \$360

## MINI-PRO cutters

• 3 wing • 2-15/16" diameter  
• 3/4" bore • 1" wide tips

## PRO-LINE cutters

• 3 wing • 4" diameter  
• 1-1/4" bore • 1" wide tips



Similar to 002 profile  
but .100 backout



## DOOR EDGE DETAIL BEVEL CUTTERS

### MINI-PRO cutters

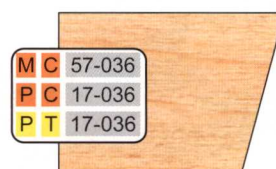
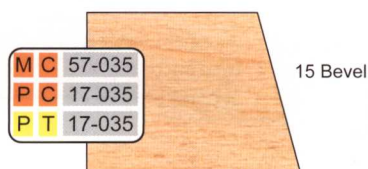
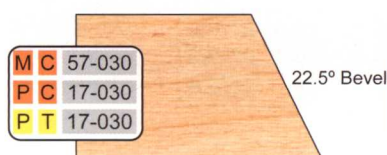
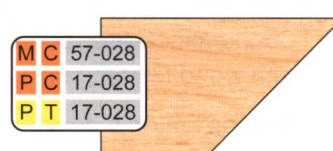
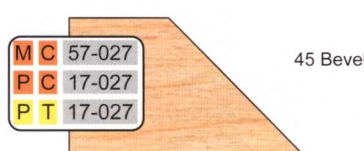
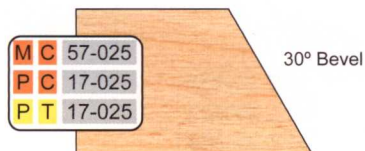
- 3 wing
- 3/4" bore • 1" wide tips

### PRO-LINE cutters

- 3 wing
- 1-1/4" bore • 1" wide tips

For a different angle or a wider bevel cutter than those shown, ask our custom cutter department for a quote (See inside back cover).

MC \$235  
PC \$277  
PT \$306

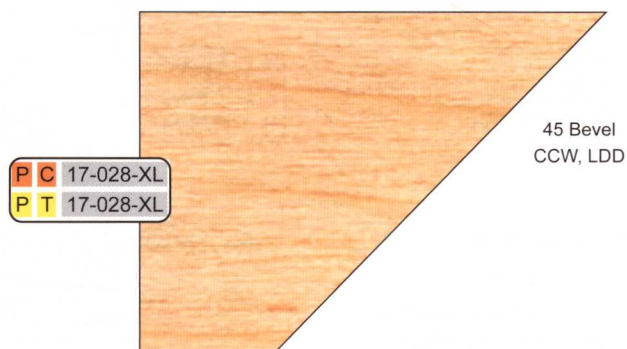
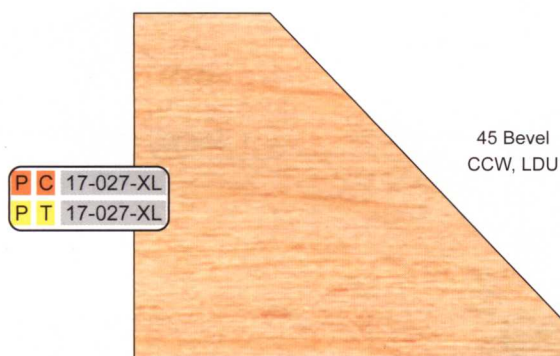


## DOOR EDGE DETAIL XL BEVEL CUTTERS

PC \$384  
PT \$421

### PRO-LINE cutters

- 3 wing
- 1-1/4" bore • 1-3/4" wide tips





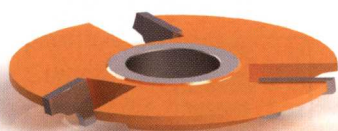
**DOOR EDGE DETAILS (32MM HINGE SYSTEM)**

Part number is for top cutter only.

Manufactured with 15° SHEAR to produce optimum cuts both with and across grain.

Counterclockwise rotation with wood fed face up.

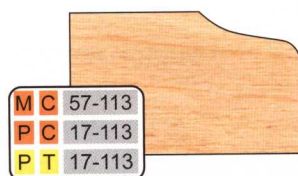
Any top cutter is designed to nest and run with any bottom cutter.



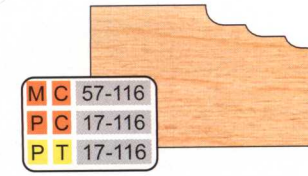
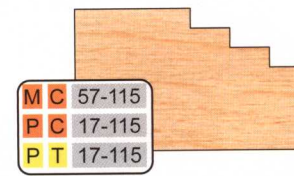
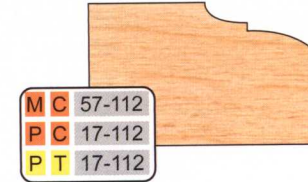
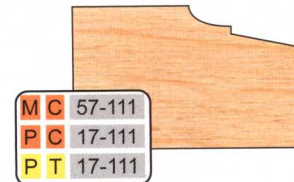
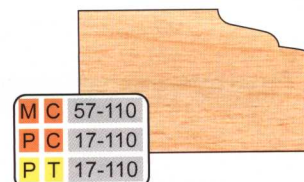
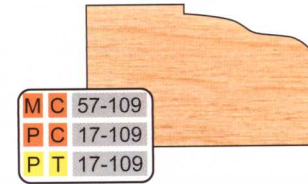
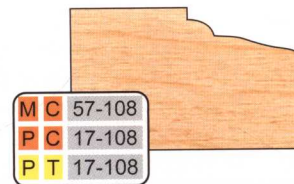
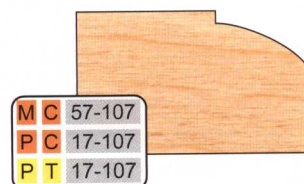
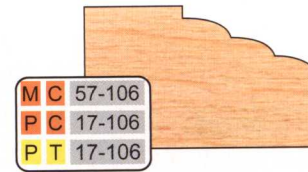
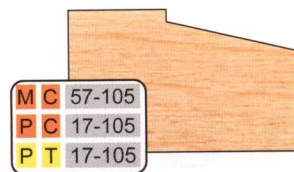
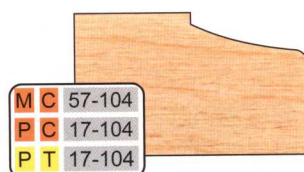
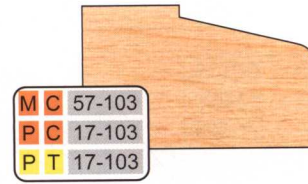
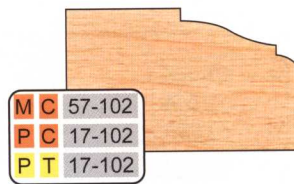
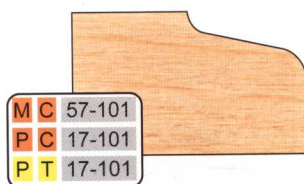
For **opposite rotation**, add 20% to the suggested list price.

To order **custom profiles**, see our Custom Made Tooling page in the back of the catalog. Same day quoting.

Wood samples shown actual size.

**Top Cutter Profiles** 3/4" to 7/8" material

**MC \$277**  
**PC \$326**  
**PT \$360**



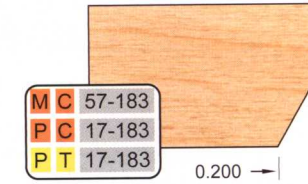
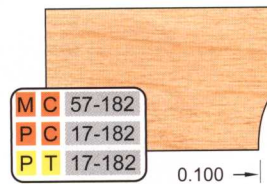
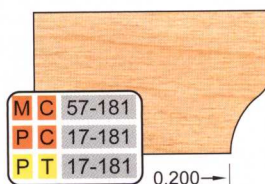
Bottom cutters for 32mm Hinge Systems are designed to nest and run with any top cutter listed.

Selection of bottom cutter should depend upon the distance of the bored hole for the hinge from the edge of the door.

Manufactured to the same specifications as all top cutters.

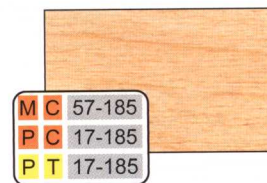
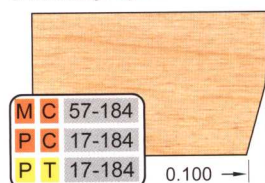
**Bottom Cutter Profiles**

**MC \$214**  
**PC \$253**  
**PT \$277**



\* Will not run with 32mm hinge system

\* Will not run with 32mm hinge system





# DOOR EDGE DETAILS (32MM HINGE SYSTEM)

## PRODUCT ORDER CODE

M C 00-000

P C 00-000

P T 00-000

M - MINI-PRO (3/4" Bore)  
P - PRO-LINE (1-1/4" Bore)  
C - Carbide Tip (Orange)  
T - T-Alloy Tip (Yellow)

MC \$277  
PC \$326  
PT \$360

## Top Cutter Profiles 7/8" to 1" material

Part number is for top  
cutter only.

M C 57-151  
P C 17-151  
P T 17-151

M C 57-152  
P C 17-152  
P T 17-152

M C 57-153  
P C 17-153  
P T 17-153

M C 57-154  
P C 17-154  
P T 17-154

M C 57-155  
P C 17-155  
P T 17-155

M C 57-156  
P C 17-156  
P T 17-156

M C 57-157  
P C 17-157  
P T 17-157

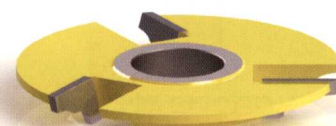
M C 57-158  
P C 17-158  
P T 17-158

M C 57-159  
P C 17-159  
P T 17-159

M C 57-160  
P C 17-160  
P T 17-160

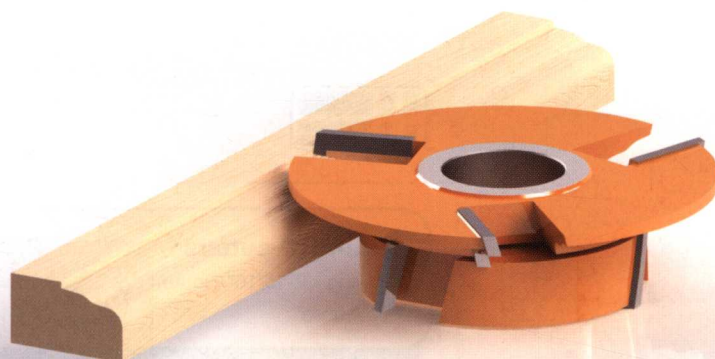
M C 57-161  
P C 17-161  
P T 17-161

M C 57-162  
P C 17-162  
P T 17-162



To order **custom profiles**, see our *Custom Made Tooling* page in the back of the catalog. Same day quoting.

Wood samples shown actual size.





## BEAD CUTTERS

### MINI-PRO cutters

- 3 wing
- 3/4" bore
- 2-15/16" diameter

### PRO-LINE cutters

- 3 wing
- 1-1/4" bore
- 4" diameter



M	C	57-040
P	C	17-040
P	T	17-040

\$188  
\$222  
\$244

R0.063

M	C	57-044
P	C	17-044
P	T	17-044

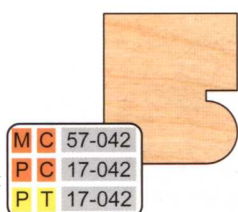
\$188  
\$222  
\$244

R0.094

M	C	57-041
P	C	17-041
P	T	17-041

\$188  
\$222  
\$244

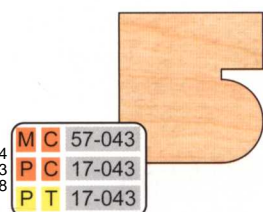
R0.125



M	C	57-042
P	C	17-042
P	T	17-042

\$200  
\$234  
\$257

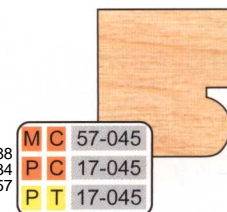
R0.188



M	C	57-043
P	C	17-043
P	T	17-043

\$214  
\$253  
\$278

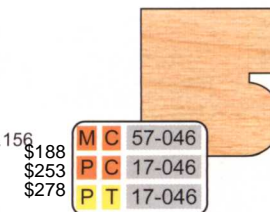
R0.250



M	C	57-045
P	C	17-045
P	T	17-045

\$188  
\$234  
\$257

R0.156



M	C	57-046
P	C	17-046
P	T	17-046

\$188  
\$253  
\$278

R0.219

## HANDRAIL CUTTERS (2 PIECE SET)

### PRO-LINE cutters

- 3 wing
- 1-1/4" bore

2-3/4" wide x 2-3/8" tall  
5-1/4" diameter

P	C	17-050
P	T	17-050

2-3/4" wide x 2-3/8" tall  
4" diameter

P	C	17-051
P	T	17-051

PC \$585  
PT \$647

## WINDOW SILL CUTTERS

### MINI-PRO cutters

- 3 wing • 2-15/16" diameter
- 3/4" bore

### PRO-LINE cutters

- 3 wing • 4" diameter
- 1-1/4" bore

Edge Detail cutter  
for up to 7/8"  
material as shown

M	C	57-060
P	C	17-060
P	T	17-060

M	C	57-065
P	C	17-065
P	T	17-065

Edge Detail cutter  
for up to 1-1/8"  
material

MC \$277  
PC \$326  
PT \$360



## REVERSIBLE GLUE JOINT

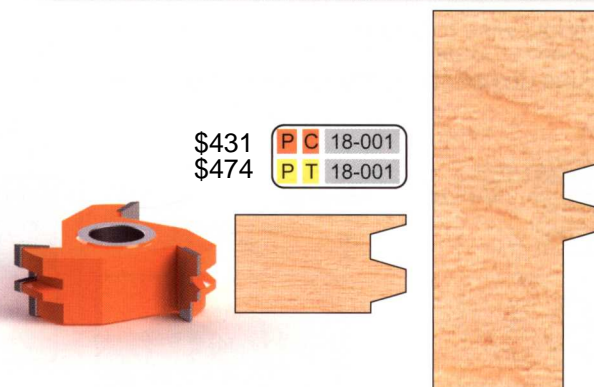
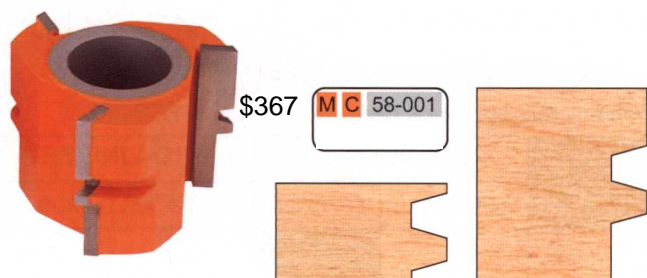
Creates an incredibly strong joint by interlocking the glue surfaces.

### MINI-PRO cutters

- 3 wing • 2-15/16" diameter
- 3/4" bore • 1" wide tips
- Cuts from 1/2" to 7/8" material

### PRO-LINE cutters

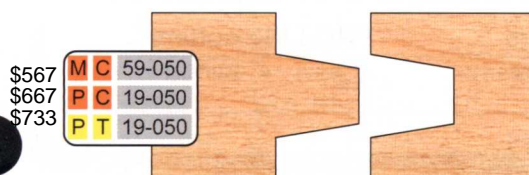
- 3 wing • 2-15/16" diameter
- 1-1/4" bore • 2" wide tips
- Cuts from 1/2" to 1-7/8" material



## WEDGE TONGUE & GROOVE

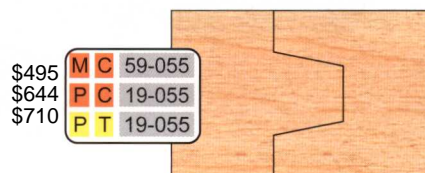
### 10 Piece Set

(4 Cutters and 6 Spacers)



- 3 wing
- For up to 1" material

### 2 Piece Set

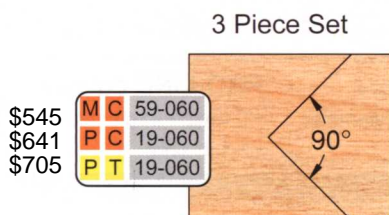


- 3 wing
- For up to 1" material

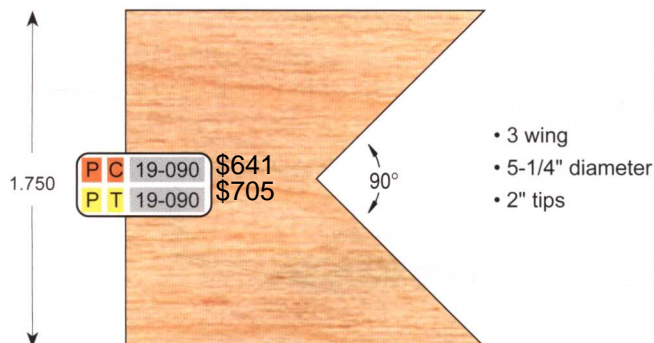
## EDGE BANDING

### 3 Piece Set

1 piece solid cutters for female cut  
2 pieces split for male cut



## V - GROOVE DETAIL CUTTER





## V-PANELING SHAPER CUTTER SET

The V-Paneling set consists of 5 cutters and 1 spacer to perform these 4 functions.

Counterclockwise rotation with wood fed face down.

These sets do not share a common minor diameter.

### MINI-PRO cutters

- 3 wing • 2-15/16" diameter
- 3/4" bore • designed to run with 2-3/16" diameter rub bearing

### PRO-LINE cutters

- 3 wing • 4" diameter
- 1-1/4" bore • designed to run with 3-1/4" diameter rub bearing

To order **custom profiles**, see our Custom Made Tooling page in the back of the catalog. Same day quoting. Wood samples shown actual size.

See stacking instructions on page 42.

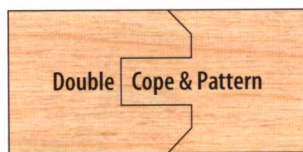
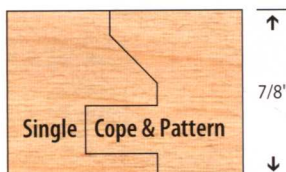
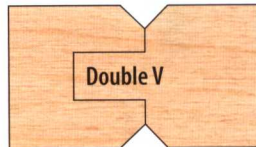
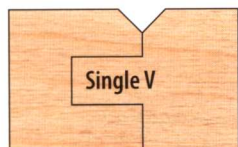
### Optional Rub-Spacers & Groovers for Cope Side

NEW	MINI-PRO SET		PRO-LINE SET	
	RUB SPACER	GROOVER	RUB SPACER	GROOVER
SINGLE-V	AM-50-809		AM-10-809	PC-19-011
				PT-19-011
DOUBLE-V	AM-50-809		AM-10-809	PC-19-011
				PT-19-011
DOUBLE COPE & PATTERN	AM-50-801	MC-59-012	AM-10-801	PC-19-012
				PT-19-012
SINGLE COPE & PATTERN	AM-50-801	MC-59-012	AM-10-801	PC-19-012
				PT-19-012

\$692  
\$816  
\$897

M	C	59-010
P	C	19-010
P	T	19-010

3/4" to 1" material



## 7-PC. FLOORING SET

The flooring set consists of 6 cutters and 1 spacer to perform these 5 functions.

Cut provides a loose fit (.030) for wood expansion. Set up instructions included.

Counterclockwise rotation with wood fed face down.

See stacking instructions on page 42.

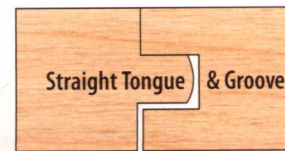
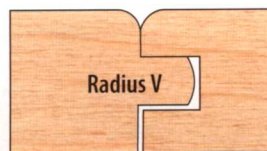
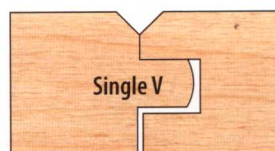
### MINI-PRO cutters

- 3 wing • 2-15/16" diameter
- 3/4" bore

### PRO-LINE cutters

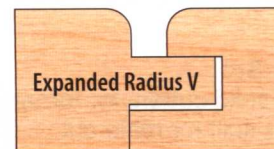
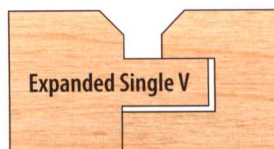
- 3 wing • 4" diameter
- 1-1/4" bore

3/4" to 1" material



\$692  
\$816  
\$897

M	C	59-020
P	C	19-020
P	T	19-020



## 5-PC. FLOORING SET WITH NAIL SLOT

### MINI-PRO cutters

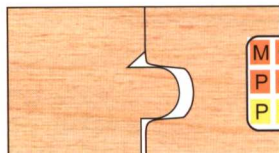
- 3 wing • 2-15/16" diameter
- 3/4" bore

### PRO-LINE cutters

- 3 wing • 4" diameter
- 1-1/4" bore

This set includes 5 cutters to perform the cut as shown.

Counterclockwise rotation with wood fed face down. Up to 1" material.



M	C	59-030	\$692
P	C	19-030	\$816
P	T	19-030	\$897

## 8-PC. FLOORING / V-PANEL SET

### MINI-PRO cutters

- 3 wing • 2-15/16" diameter
- 3/4" bore

### PRO-LINE cutters

- 3 wing • 4" diameter
- 1-1/4" bore

This set includes 8 cutters to perform the two cuts as shown. Runs CCW, face down.

Cut provides a 0.010" loose fit to allow for wood expansion.

1/2" material

M	C	59-040
P	C	19-040
P	T	19-040



MC \$692  
PC \$816  
PT \$897



## V PANEL SET FOR 2" MATERIAL

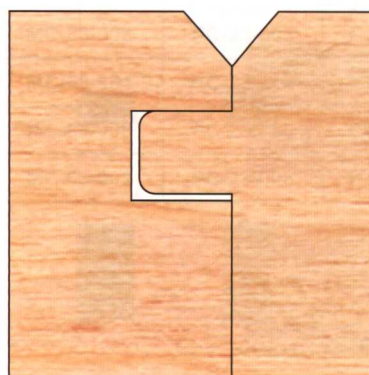
## PRODUCT ORDER CODE

M C 00-000

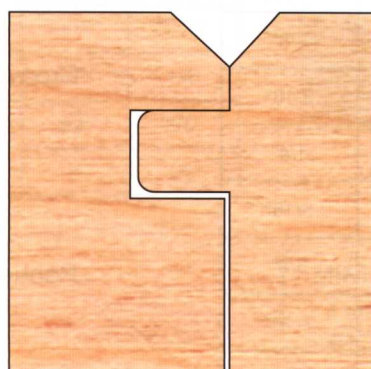
P C 00-000

P T 00-000

M - MINI-PRO (3/4" Bore)  
 P - PRO-LINE (1-1/4" Bore)  
 C - Carbide Tip (Orange)  
 T - T-Alloy Tip (Yellow)

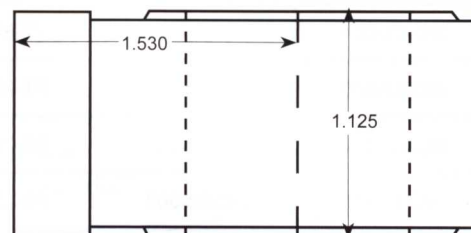


\$934 P C 19-070  
 \$1026 P T 19-070



0.030 GAP  
 for P-19-070 exchange  
 for P-19-075 at time of  
 purchase

The P-19-075 Groover may be exchanged  
 at time of purchase for no charge



\$168 P C 19-075  
 \$185 P T 19-075

## QUARTER COVE CONVEX CUTTERS

## MINI-PRO cutters

- 3 wing • 2-15/16" diameter
- 3/4" bore

## PRO-LINE cutters

- 3 wing • 4" diameter
- 1-1/4" bore

PART #			RADIUS
MC-60-002 <sup>\$108</sup>	PC-20-002 <sup>\$128</sup>	PT-20-002 <sup>\$154</sup>	1/8"
MC-60-004 <sup>\$132</sup>	PC-20-004 <sup>\$155</sup>	PT-20-004 <sup>\$171</sup>	1/4"
MC-60-006 <sup>\$155</sup>	PC-20-006 <sup>\$184</sup>	PT-20-006 <sup>\$203</sup>	3/8"
MC-60-008 <sup>\$174</sup>	PC-20-008 <sup>\$205</sup>	PT-20-008 <sup>\$225</sup>	1/2"
MC-60-012 <sup>\$216</sup>	PC-20-012 <sup>\$254</sup>	PT-20-008 <sup>\$280</sup>	3/4"
	PC-20-016 <sup>\$307</sup>	PT-20-016 <sup>\$340</sup>	1"



## REVERSIBLE PATTERN DETAIL

MC \$232  
 PC \$272  
 PT \$299

Counterclockwise rotation with wood fed face up.



M C 61-001  
 P C 21-001  
 P T 21-001



M C 61-002  
 P C 21-002  
 P T 21-002



M C 61-003  
 P C 21-003  
 P T 21-003

## MINI-PRO cutters

- 3 wing • 2-15/16" diameter
- 3/4" bore • 1" wide tips

## PRO-LINE cutters

- 3 wing • 4" diameter
- 1-1/4" bore • 1" wide tips

After machining two  
 pieces of wood, one  
 piece may be inverted  
 and plugged into its mate,  
 forming a matched joint.





## STRAIGHT TOP GROOVERS

## MINI-PRO cutters

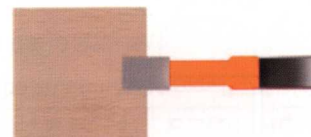
• 3 wing • 2-15/16" diameter  
• 3/4" bore • designed for use  
with 2-15/16" diameter rub  
bearing for flush trim application

## PRO-LINE cutters

• 3 wing • 4" diameter  
• 1-1/4" bore • designed for use  
with 4" diameter rub bearing for  
flush trim application

PART #			WIDTH
MC-62-002 <sup>\$92</sup>	PC-22-002 <sup>\$108</sup>	PT-22-002 <sup>\$120</sup>	1/8"
MC-62-003 <sup>\$92</sup>	PC-22-003 <sup>\$108</sup>	PT-22-003 <sup>\$120</sup>	3/16"
MC-62-004 <sup>\$92</sup>	PC-22-004 <sup>\$108</sup>	PT-22-004 <sup>\$120</sup>	1/4"
MC-62-005 <sup>\$92</sup>	PC-22-005 <sup>\$108</sup>	PT-22-005 <sup>\$120</sup>	5/16"
MC-62-006 <sup>\$92</sup>	PC-22-006 <sup>\$108</sup>	PT-22-006 <sup>\$120</sup>	3/8"
MC-62-007 <sup>\$96</sup>	PC-22-007 <sup>\$113</sup>	PT-22-007 <sup>\$126</sup>	7/16"
MC-62-008 <sup>\$102</sup>	PC-22-008 <sup>\$121</sup>	PT-22-008 <sup>\$132</sup>	1/2"
MC-62-010 <sup>\$106</sup>	PC-22-010 <sup>\$124</sup>	PT-22-010 <sup>\$138</sup>	5/8"
MC-62-012 <sup>\$111</sup>	PC-22-012 <sup>\$129</sup>	PT-22-012 <sup>\$143</sup>	3/4"
MC-62-014 <sup>\$116</sup>	PC-22-014 <sup>\$137</sup>	PT-22-014 <sup>\$143</sup>	7/8"
MC-62-016 <sup>\$120</sup>	PC-22-016 <sup>\$140</sup>	PT-22-016 <sup>\$155</sup>	1"
MC-62-020 <sup>\$129</sup>	PC-22-020 <sup>\$153</sup>	PT-22-020 <sup>\$168</sup>	1-1/4"
MC-62-024 <sup>\$143</sup>	PC-22-024 <sup>\$169</sup>	PT-22-024 <sup>\$185</sup>	1-1/2"
MC-62-028 <sup>\$160</sup>	PC-22-028 <sup>\$188</sup>	PT-22-028 <sup>\$208</sup>	1-3/4"
MC-62-032 <sup>\$174</sup>	PC-22-032 <sup>\$205</sup>	PT-22-032 <sup>\$225</sup>	2"

Groove



Rabbet



Flush Trim



Straight Top Groovers are ideal for cutting grooves, rabbets, and for flush trimming.



## STRAIGHT TOP GROOVERS

	PART #	DIAMETER	WINGS	KERF
\$256	GC-0406-.250	4"	6	1/4"
\$263	GC-0406-.375	4"	6	3/8"
\$275	GC-0406-.500	4"	6	1/2"
\$305	GC-0406-.750	4"	6	3/4"
\$299	GC-0608-.250	6"	8	1/4"
\$310	GC-0608-.375	6"	8	3/8"
\$321	GC-0608.500	6"	8	1/2"
\$358	GC-0608-.750	6"	8	3/4"
\$336	GC-0812-.250	8"	12	1/4"
\$347	GC-0812-.375	8"	12	3/8"
\$361	GC-0812-.500	8"	12	1/2"
\$403	GC-0812-.750	8"	12	3/4"

## PRO-LINE cutters

• 6-12 wing  
• 1-1/4" bore only  
• 4-8" diameter per chart



## HALF ROUND CONVEX SHAPER CUTTERS

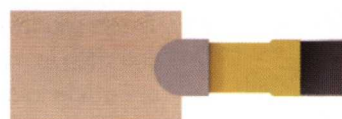
PART #			WIDTH	RADIUS
MC-63-002 \$99	PC-23-002 \$116	PT-23-002 \$127	1/4"	1/8"
MC-63-003 \$106	PC-23-003 \$124	PT-23-003 \$137	3/8"	3/16"
MC-63-004 \$120	PC-23-004 \$140	PT-23-004 \$154	1/2"	1/4"
MC-63-006 \$132	PC-23-006 \$155	PT-23-006 \$171	3/4"	3/8"
MC-63-008 \$168	PC-23-008 \$197	PT-23-008 \$217	1"	1/2"

### MINI-PRO cutters

- 3 wing • 2-15/16" diameter
- 3/4" bore

### PRO-LINE cutters

- 3 wing • 4" diameter
- 1-1/4" bore



Flute



## HALF ROUND CONCAVE SHAPER CUTTERS

PART #			WIDTH	RADIUS
MC-64-002 \$120	PC-24-002 \$140	PT-24-002 \$154	1/4"	1/8"
MC-64-003 \$128	PC-24-003 \$152	PT-24-003 \$166	3/8"	3/16"
MC-64-004 \$138	PC-24-004 \$161	PT-24-004 \$177	1/2"	1/4"
MC-64-006 \$255	PC-24-006 \$301	PT-24-006 \$330	3/4"	3/8"
MC-64-008 \$320	PC-24-008 \$377	PT-24-008 \$415	1"	1/2"
MC-64-009 \$334	PC-24-009 \$393	PT-24-009 \$432	1-1/8"	9/16"
MC-64-010 \$360	PC-24-010 \$424	PT-24-010 \$466	1-1/4"	5/8"
	PC-24-012 \$500	PT-24-012 \$551	1-1/2"	3/4"

### MINI-PRO cutters

- 3 wing • 2-15/16" diameter
- 3/4" bore

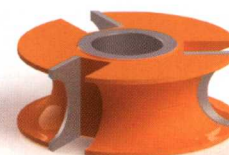
### PRO-LINE cutters

- 3 wing • 4" diameter
- 1-1/4" bore



Bullnose

All Concave Cutters have .030" flare for easy bull nosing.



## MATCHED DROP LEAF

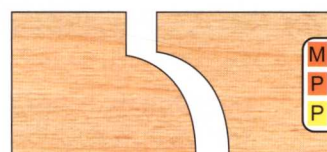
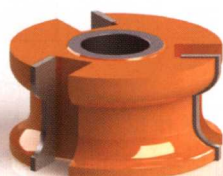
### MINI-PRO cutters

- 3 wing • 2-15/16" diameter
- 3/4" bore

### PRO-LINE cutters

- 3 wing • 4" diameter
- 1-1/4" bore

Counterclockwise rotation with wood face down. When running counterclockwise, cove cut is made by lowering shaper spindle to cut with the top half of the cutter. Bead cut is made by raising shaper spindle to cut with the bottom half of the cutter.



M	C	66-001	\$277
P	C	26-001	\$326
P	T	26-001	\$360



## WINDOW SASH CUTTER SET (4 PIECE CUTTER SET)

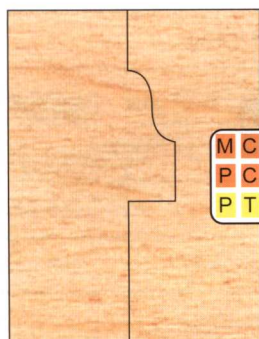
### MINI-PRO cutters

- 3 wing
- 3/4" bore

### PRO-LINE cutters

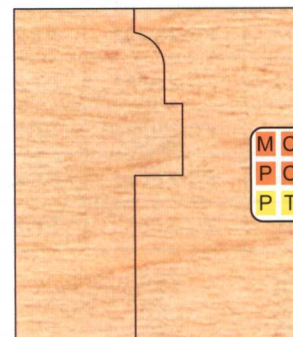
- 3 wing
- 1-1/4" bore

MC \$639  
PC \$753  
PT \$828



These window sash profiles are common in many older homes. They are made to cut stock up to 1-3/4".

Counterclockwise rotation with wood fed face down.



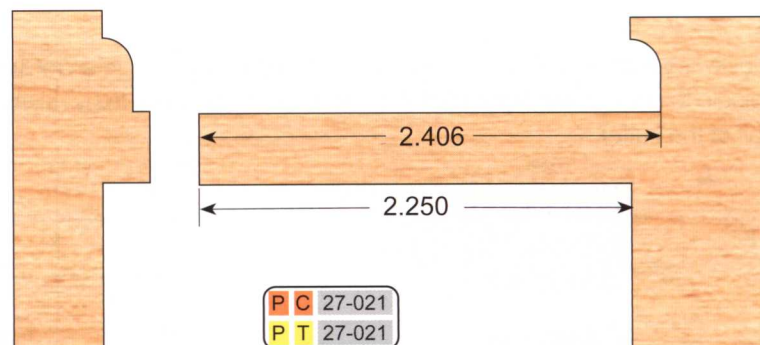
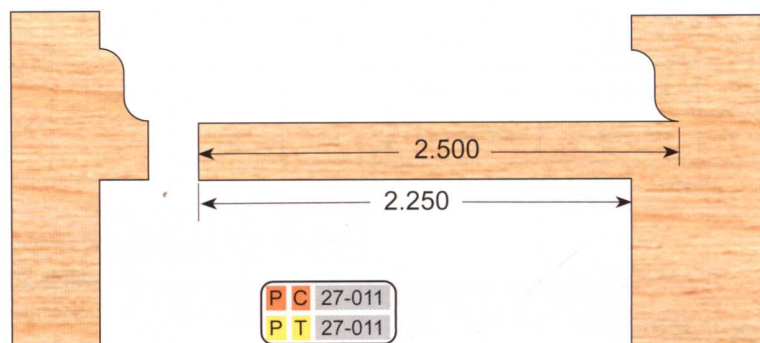
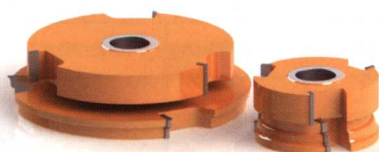
## WINDOW SASH CUTTER SET FOR MORTISE AND TENON (5 PIECE SET)

### PRO-LINE cutters

- 3 wing
- 1-1/4" bore only

This Window set is designed to allow a variable tenon length of up to 2-1/2"  
( 4 Cutters, 1 Spacer per set )

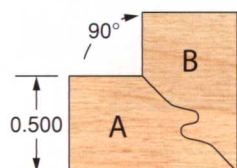
PC \$989  
PT \$1087



## ONE PIECE DOUBLE TONGUE & GROOVE LOCK MITRE CUTTER



1/2" material

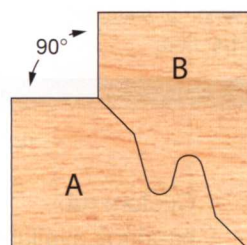


M C	68-030	\$318
P C	28-030	\$373
P T	28-030	\$411

3/4" to 1" material

M C	68-035	\$384
P C	28-035	\$373
P T	28-035	\$411

3/4" to 1" material



M C	68-001	\$384
P C	28-001	\$452
P T	28-001	\$498

Counterclockwise rotation only. Mini-Pro is made to run only on 3/4" spindle.

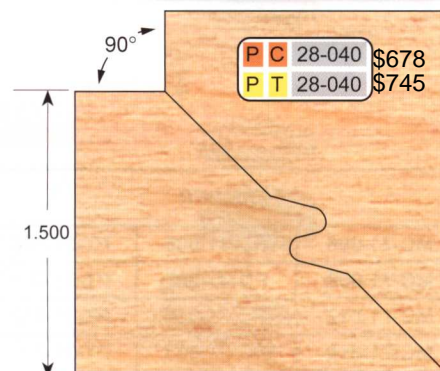
Part B is run flat in horizontal position on shaper table.

Part A is run in a vertical position against the shaper fence (see diagram). See page 28.

3/4" to 1-1/2" material

**PRO-LINE cutters**

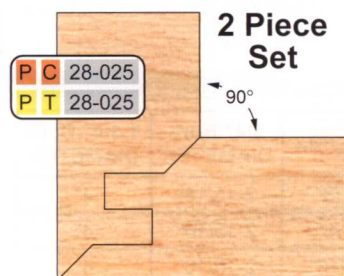
- 1-1/4" bore • 6" diameter
- 3 wing • 1-3/4" wide tips



P C	28-040	\$678
P T	28-040	\$745

## TWO PIECE DOUBLE TONGUE & GROOVE LOCK MITRE SETS

\$511  
\$562



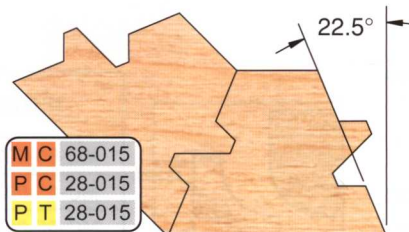
**2 Piece Set**

3/4" - 1" material

**PRO-LINE cutters**

- 3 wing
- 1-1/4" bore
- 5.19" diameter
- 1-1/4" wide tips

\$435  
\$511  
\$562



M C	68-015	\$435
P C	28-015	\$511
P T	28-015	\$562

3/4" material

**MINI-PRO cutters**

- 3 wing • 3/4" bore
- 2-15/16" diameter
- 1" wide tips

**PRO-LINE cutters**

- 3 wing • 4" diameter
- 1-1/4" bore
- 1" wide tips

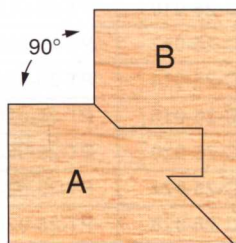
## SINGLE TONGUE & GROOVE LOCK MITRE CUTTER (3 PIECE CUTTER SET)

Counterclockwise rotation only.  
Mini-Pro is made to run only on 3/4" spindle.

Material to 1-1/8".

Part A and B are both run flat in horizontal position on shaper table.  
Part B is run again on table saw to cut groove (see diagram).

M C	68-020	\$445
P C	28-020	\$511
P T	28-020	\$562

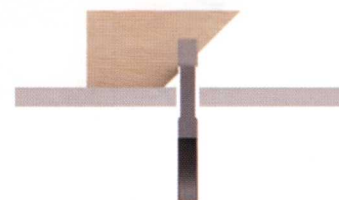
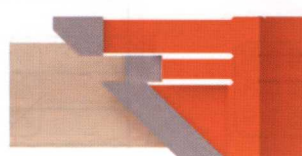


**MINI-PRO cutters**

- 3 wing • 4-5/16" diameter
- 3/4" bore • Use on 3/4" Spindles only

**PRO-LINE cutters**

- 3 wing • 5-3/8" diameter
- 1-1/4" bore





## DRAWER LOCK CUTTER

Run drawer front face up in horizontal position over the top of the cutter. Drawer sides are run on end in a vertical position against the shaper fence.

Counterclockwise rotation only.

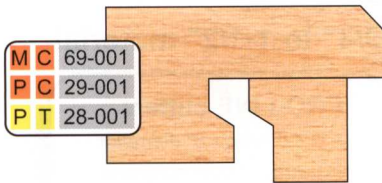
MC \$237  
PC \$266  
PT \$293

### MINI-PRO cutters

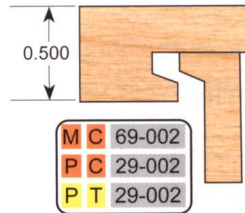
- 3 wing • 2-5/16" diameter
- 3/4" bore

### PRO-LINE cutters

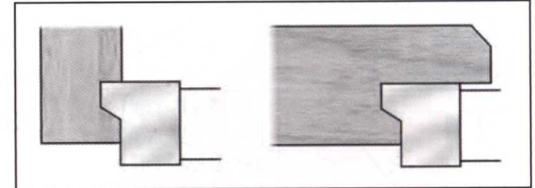
- 3 wing • 5" diameter
- 1-1/4" bore



3/4" material



1/2" material



## 1-PIECE DOUBLE EASING CUTTERS

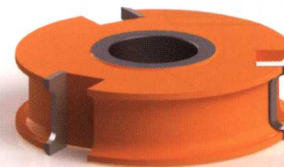
NUMBER			WIDTH	RADIUS
MC-71-006	PC-31-006	PT-31-006	3/8"	1/8"
MC-71-008	PC-31-008	PT-31-008	1/2"	1/8"
MC-71-012	PC-31-012	PT-31-012	3/4"	1/8"
MC-71-016	PC-31-016	PT-31-016	1"	1/8"
MC-71-020	PC-31-020	PT-31-020	1-1/4"	1/8"
MC-71-024	PC-31-024	PT-31-024	1-1/2"	1/8"

### MINI-PRO cutters

- 3 wing • 2-15/16" diameter
- 3/4" bore

### PRO-LINE cutters

- 3 wing • 5" diameter
- 1-1/4" bore



Custom rub bearings available for these cutters.

## CORNER ROUNDING SHAPER CUTTERS

Larger PRO-LINE Cutters exceed the standard 4" diameter (see chart).

Counterclockwise rotation with wood fed face down.

R = CCW, wood face up



### MINI-PRO cutters

- 3 wing • 2-5/16" diameter
- 3/4" bore

### PRO-LINE cutters

- 3 wing • 4" diameter or see below
- 1-1/4" bore

NUMBER (R=Opposite Rotation)			RADIUS	3/4" Bore DIAMETER	1-1/4" Bore DIAMETER
MC-65-002	PC-25-002	PT-25-002	1/8"	2-15/16"	4"
MC-65-002R	PC-25-002R	PT-25-002R	1/8"	2-15/16"	4"
MC-65-003	PC-25-003	PT-25-003	3/16"	2-15/16"	4"
MC-65-004	PC-25-004	PT-25-004	1/4"	2-15/16"	4"
MC-65-004R	PC-25-004R	PT-25-004R	1/4"	2-15/16"	4"
MC-65-005	PC-25-005	PT-25-005	5/16"	2-15/16"	4"
MC-65-006	PC-25-006	PT-25-006	3/8"	2-15/16"	4"
MC-65-006R	PC-25-006R	PT-25-006R	3/8"	2-15/16"	4"
MC-65-008	PC-25-008	PT-25-008	1/2"	2-15/16"	4"
MC-65-008R	PC-25-008R	PT-25-008R	1/2"	2-15/16"	4"
MC-65-010	PC-25-010	PT-25-010	5/8"	2-15/16"	4"
MC-65-012	PC-25-012	PT-25-012	3/4"	2-15/16"	4"
	PC-25-014	PT-25-014	7/8"	n/a	4-1/2"
	PC-25-016	PT-25-016	1"	n/a	4-1/2"
	PC-25-020	PT-25-020	1-1/4"	n/a	5"
	PC-25-024	PT-25-024	1-1/2"	n/a	5-1/2"
	PC-25-028	PT-25-028	1-3/4"	n/a	6-1/2"
	PC-25-032	PT-25-032	2"	n/a	6-1/2"

## 4-PIECE EXPANDABLE DOUBLE EASING SET

### MINI-PRO cutters

- 3 wing • 2-3/16" minor diameter
- 3/4" bore

### PRO-LINE cutters

- 3 wing • 3" minor diameter
- 1-1/4" bore

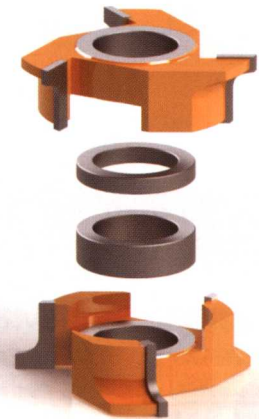
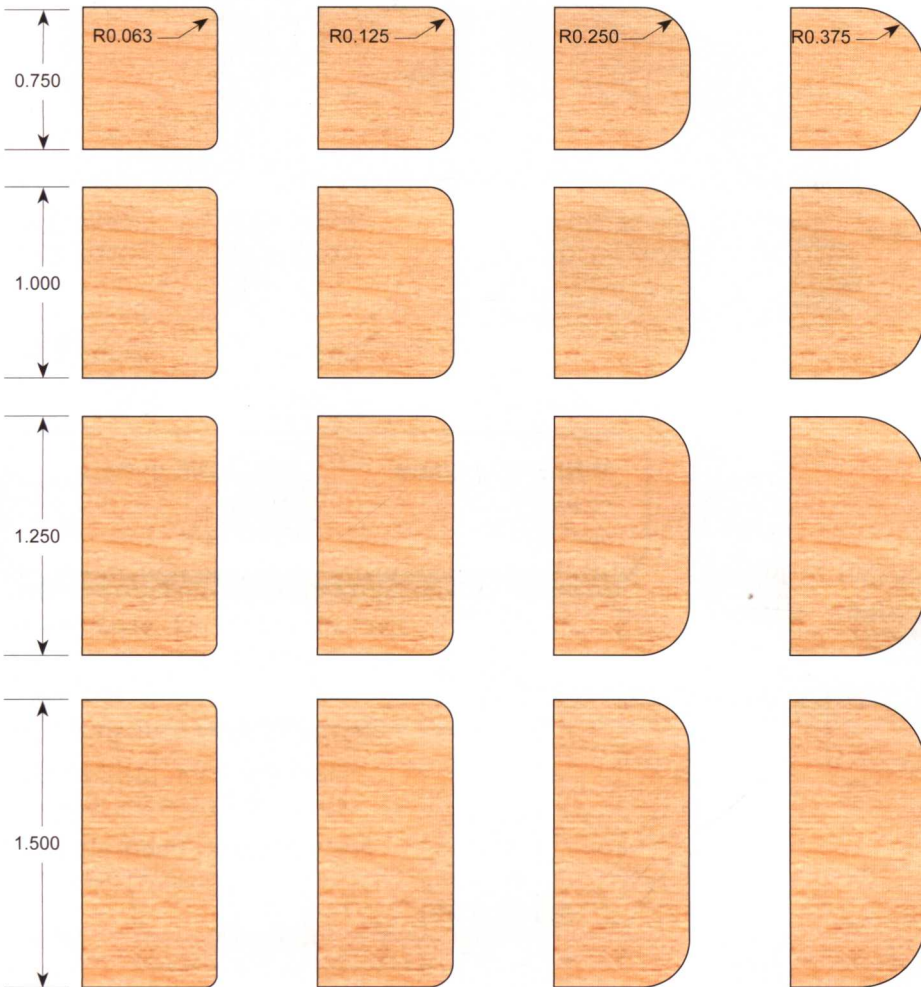
MC	72-001
PC	32-001
PT	32-001

MC	72-002
PC	32-002
PT	32-002

MC	72-004
PC	32-004
PT	32-004

MC	72-006
PC	32-006
PT	32-006

MC \$393  
PC \$462  
PT \$509



Each set includes 2 cutters and 2 spacers to cut 3/4", 1", 1-1/4" and 1-1/2" material.

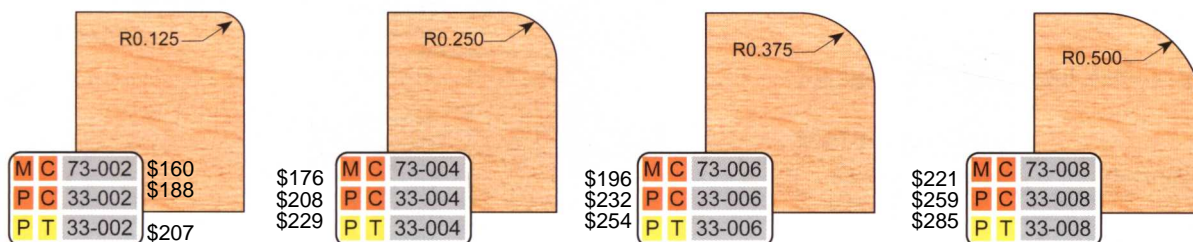
## EXTENDED CORNER ROUNDS

### MINI-PRO cutters

- 3 wing • 2-15/16" diameter
- 3/4" bore

### PRO-LINE cutters

- 3 wing • 4" diameter
- 1-1/4" bore



Counterclockwise rotation with face down. For up to 1-1/4" material.



## CORNER ROUNDING / COVE COMBO

### MINI-PRO cutters

- 3 wing • 2-15/16" diameter
- 3/4" bore

### PRO-LINE cutters

- 3 wing • 4" diameter
- 1-1/4" bore

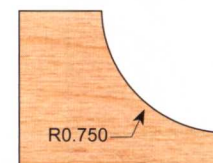
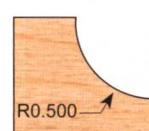
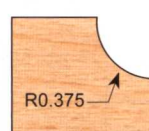
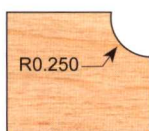
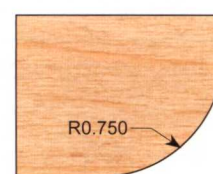
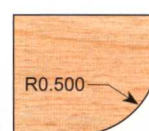
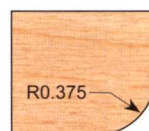
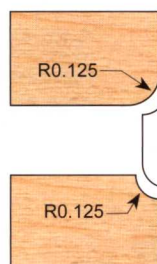
\$257 **M C** 74-002  
\$303 **P C** 34-002  
\$332 **P T** 34-002

\$257 **M C** 74-004  
\$303 **P C** 34-004  
\$332 **P T** 34-004

\$276 **M C** 74-006  
\$325 **P C** 34-006  
\$332 **P T** 34-006

\$276 **M C** 74-008  
\$335 **P C** 34-008  
\$347 **P T** 34-008

\$369 **P C** 34-012  
\$405 **P T** 34-012



## CORNER ROUNDING COMBO

### MINI-PRO cutters

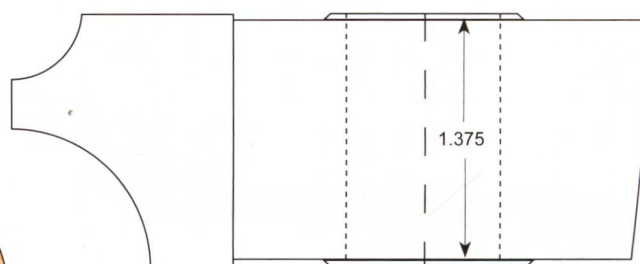
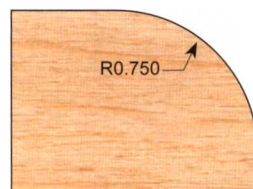
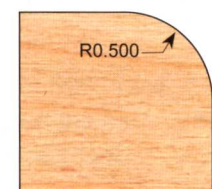
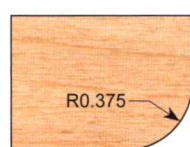
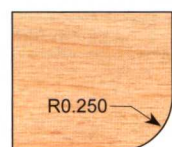
- 3 wing
- 3/4" bore

### PRO-LINE cutters

- 3 wing
- 1-1/4" bore

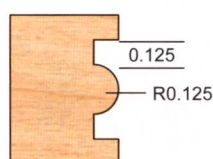
\$276 **M C** 75-048  
\$325 **P C** 35-048  
\$358 **P T** 35-048

\$314 **M C** 75-612  
\$369 **P C** 35-612  
\$406 **P T** 35-612

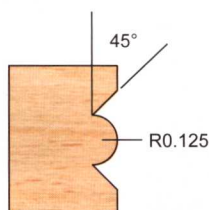


## TABLE SAW BEAD CUTTERS

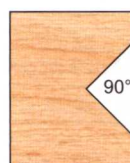
- 6 wing
- 5/8" bore
- 8" diameter



TSB-2  
\$446



TSB-1  
\$446



TSB-3  
\$446