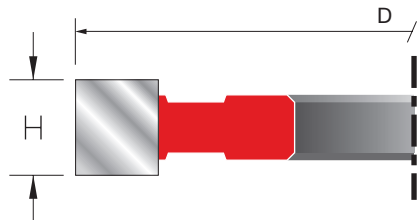
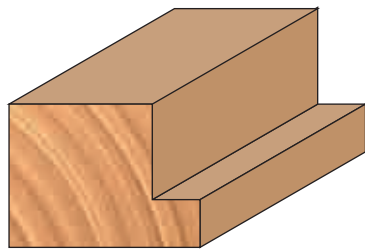




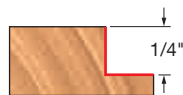
Straight Edge Cutters

These cutters are computer balanced for super smooth, chatter-free cutting. Straight profile for making precise rabbets and dadoes.



Item Number	Overall Dia.(D)	Carbide Height	Bore Diameter	Rub Collar Number
EC140	27/8"	1/4"	3/4"	RC-003
EC141	2-7/8"	3/8"	3/4"	RC-003
EC142	2-7/8"	1/2"	3/4"	RC-003
EC143	2-7/8"	5/8"	3/4"	RC-003
EC144	2-7/8"	3/4"	3/4"	RC-003
EC146	2-7/8"	1"	3/4"	RC-003
UP140	3-9/16"	1/4"	1-1/4"	RC50#
UP141	3-9/16"	3/8"	1-1/4"	RC50#
UP142	3-9/16"	1/2"	1-1/4"	RC50#
UP143	3-9/16"	5/8"	1-1/4"	RC50#
UP144	3-9/16"	3/4"	1-1/4"	RC50#
UP145	3-9/16"	7/8"	1-1/4"	RC50#
UP146	3-9/16"	1"	1-1/4"	RC50#
UP147	3-9/16"	1-1/4"	1-1/4"	RC50#
UP148	3-9/16"	1-1/2"	1-1/4"	RC50#
UP149	3-9/16"	1-3/4"	1-1/4"	RC50#
UP150	3-9/16"	2"	1-1/4"	RC50#
UP151	3-9/16"	2-1/4"	1-1/4"	RC50#
UP152	3-9/16"	2-1/2"	1-1/4"	RC50#
UP153	3-9/16"	3"	1-1/4"	RC50#

See Bushing & Rub Collars for Bore Size
 "# " Determines Bore Size
 Number of Wings = 3



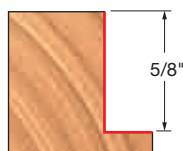
EC140
UP140



EC141
UP141



EC142
UP142



EC143
UP143



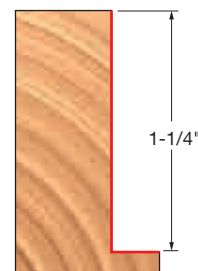
EC144
UP144



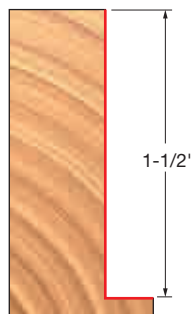
UP145



EC146
UP146



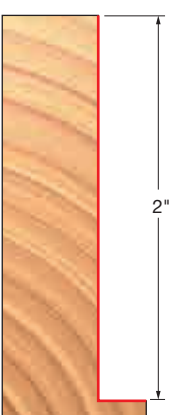
UP147



UP148



UP149



UP150



UP151

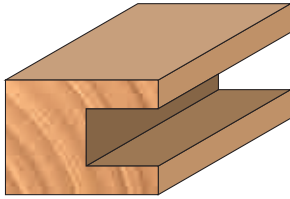


UP152



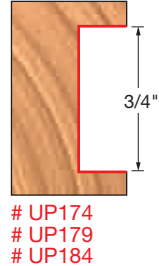
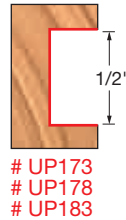
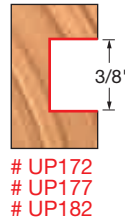
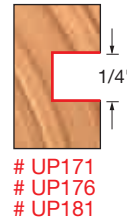
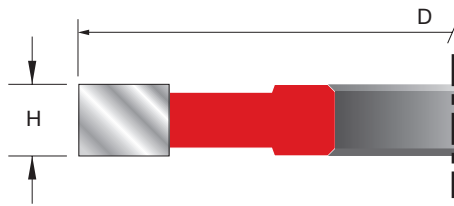
UP153

Groovers

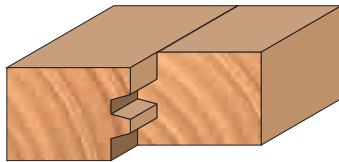


Excellent for use on shapers and cope spindles of double end tenoners. Suitable for grooving hardwood, softwood, and composition board.

Item Number	Overall Dia.(D)	Number of Wings	Carbide Height(H)	Bore Diameter
UP170	4"	6	1/8"	1-1/4"
UP171	4"	6	1/4"	1-1/4"
UP172	4"	6	3/8"	1-1/4"
UP173	4"	6	1/2"	1-1/4"
UP174	4"	6	3/4"	1-1/4"
UP175	6"	8	1/8"	1-1/4"
UP176	6"	8	1/4"	1-1/4"
UP177	6"	8	3/8"	1-1/4"
UP178	6"	8	1/2"	1-1/4"
UP179	6"	8	3/4"	1-1/4"
UP181	8"	12	1/4"	1-1/4"
UP182	8"	12	3/8"	1-1/4"
UP183	8"	12	1/2"	1-1/4"
UP184	8"	12	3/4"	1-1/4"

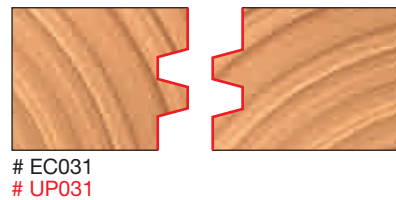
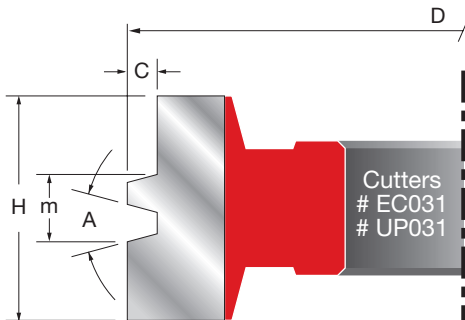


Reversible Glue Joint Cutters



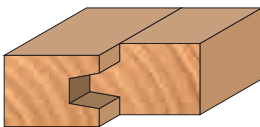
Freud's Reversible Glue Joint Cutters will produce a strong joint by increasing the surface area for the glue. Boards should be planed to a uniform thickness. Cutter should be aligned to the center of the board, then reverse each board for a perfect glue joint.

Item Number	Overall Diameter	Cut Depth(C)	Carbide Height(H)	Minor Height(m)	Angle (A)	Bore Diameter
EC031	2-7/8"	5/32"	1-17/64"	23/64"	30°	3/4"
UP031	3-9/16"	5/32"	1-3/16"	23/64"	30°	1-1/4"



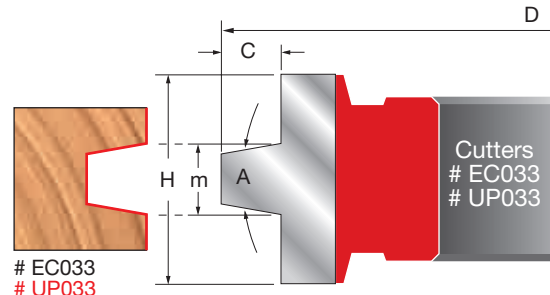
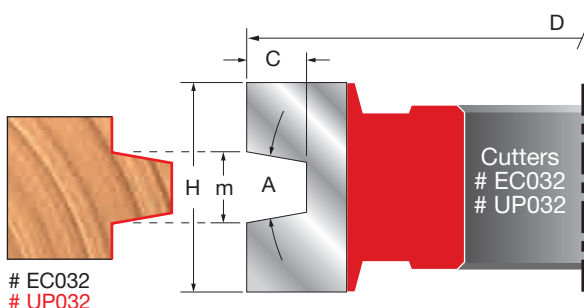


Wedge Tongue & Groove Cutters

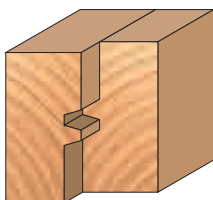


These cutters produce exceptionally strong joints when gluing up boards edge to edge. This design gives an increased amount of gluing area for maximum strength.

Item Number	Overall Dia.(D)	Cut Depth(C)	Carbide Height(H)	Minor Height(m)	Angle (A)	Bore Diameter
EC032	2-7/8"	5/16"	1-7/64"	3/8"	20°	3/4"
EC033	2-7/8"	5/16"	1-7/64"	3/8"	20°	3/4"
UP032	3-9/16"	5/16"	1-3/32"	3/8"	20°	1-1/4"
UP033	3-9/16"	5/16"	1-3/32"	3/8"	20°	1-1/4"



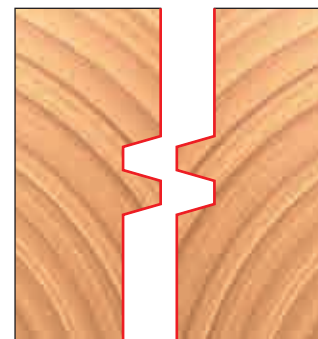
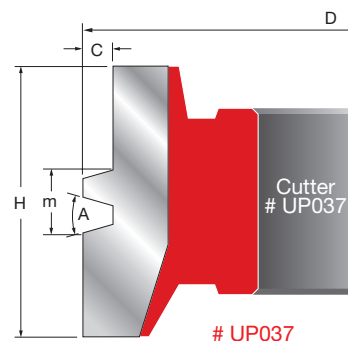
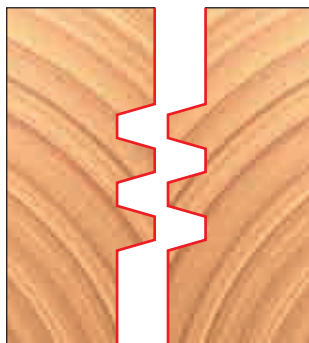
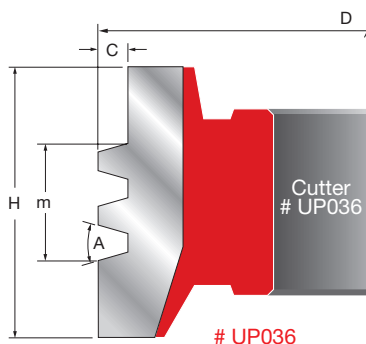
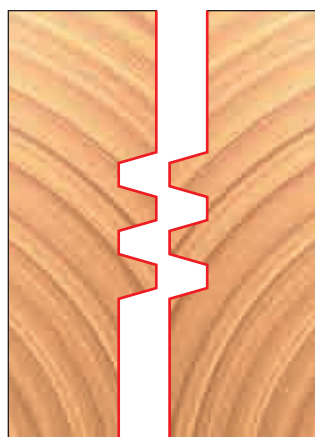
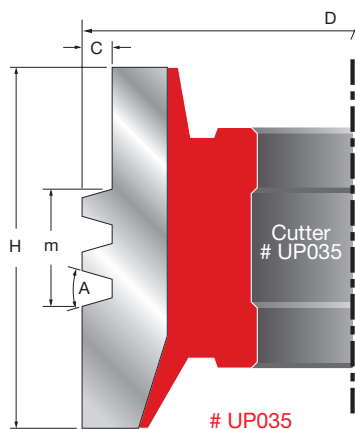
Glue Joint Cutters



Freud's Glue Joint Cutters produce a strong joint in thick stock by increasing the surface area for the glue. Boards should be planed to a uniform thickness. Cutter should be aligned to the center of the board, then reverse each board for a perfect glue joint.

Item Number	Overall Dia.(D)	Cut Depth(C)	Carbide Height(H)	Angle (A)	Minor Height(m)	Bore Diameter
UP035	3-9/16"	13/64"	23/8"	32°	49/64"	1-1/4"
UP036	3-9/16"	13/64"	1-23/32"	32°	49/64"	1-1/4"
UP037	3-9/16"	13/64"	1-23/32"	32°	13/32"	1-1/4"

Number of wings = 3



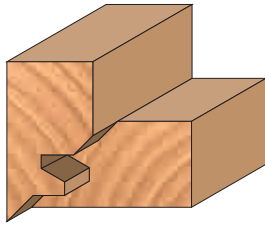
All Profile Drawings 1:1 Scale

Red Item Numbers Indicate 1-1/4" Bore

Tongue & Groove Lock Miter Cutters

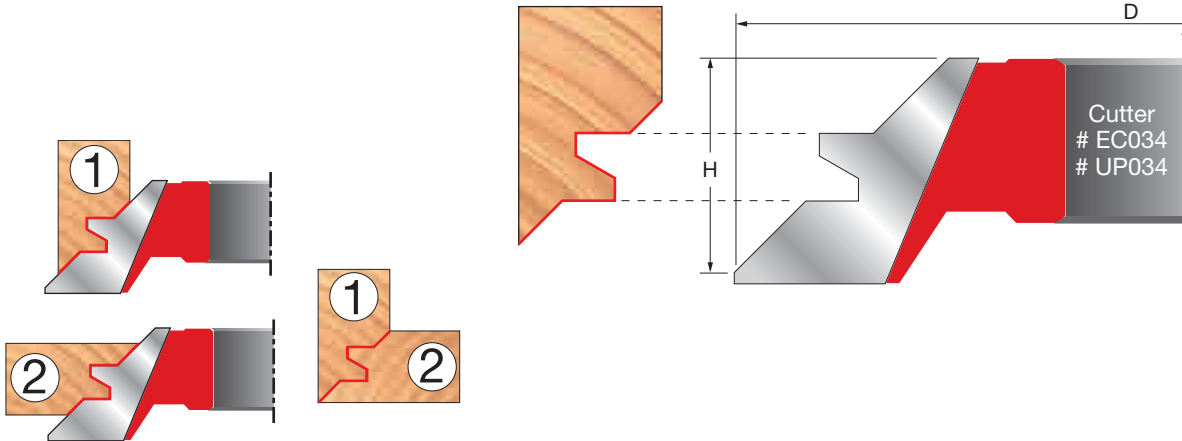


These cutters are designed to make lock miter joints with ease. All you do is run one board vertically and the piece to be joined vertically.



Item Number	Overall Dia.(D)	Carbide Height(H)	Bore Diameter
EC034	4-5/32"	1-5/32"	3/4"
UP034	4-3/4"	1-3/16"	1-1/4"

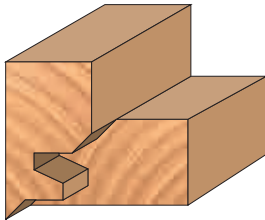
Number of Wings = 3



Double Tongue & Groove Lock Miter Set



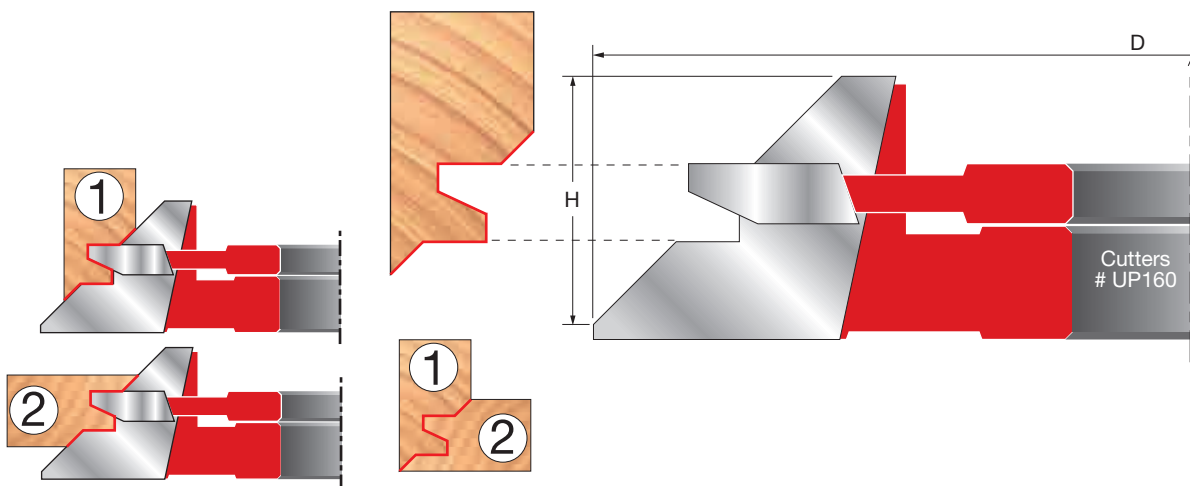
This Lock Miter Set consists of two three-wing cutters. One sits inside the other to allow the joining of boards from 5/8" thick to 1-3/16" thick. After mounting the head on the spindle, a test piece should be made. One piece is run horizontally and the second is run vertically. Shims are included to allow for adjusting joint tightness.



Item Number	Overall Dia.(D)	Carbide Height(H)	Bore Diameter
UP160	7-3/32"	1-5/16"	1-1/4"

Number of pieces = 2

Number of Wings = 3



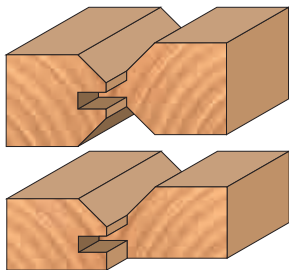
Red Item Numbers Indicate 1-1/4" Bore

All Profile Drawings 1:1 Scale





V-Paneling Cutter Sets



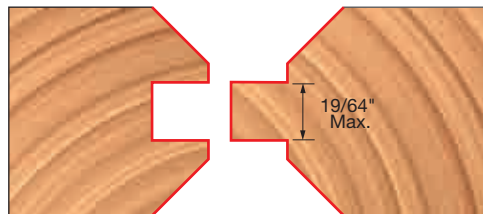
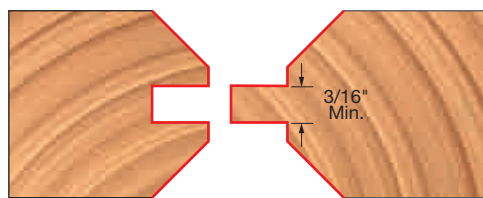
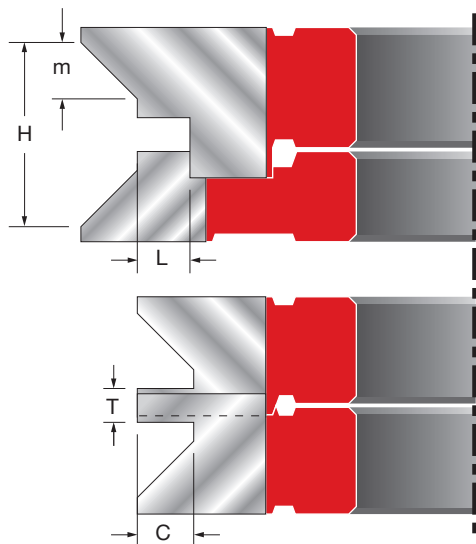
These cutters sets are designed to make V-groove paneling with a strong tongue and groove joint. Each set can be used with 1/2", 3/4", and 1" stock. Shims are included to allow the thickness of the tongue to increase as stock increases. UP190 cuts a V-groove on both sides of the paneling, while UP191 only cuts a V-groove on one side.

	Item Number	Overall Dia.(D)	Cut Depth(C)	Carbide Height(H)	Minor Height(m)	Tenon Thickness(R)	Tenon Length(L)	Bore Dia.
NEW	UC190	3-35/64"	19/64"	1-5/16"-1-5/64"	19/64"	3/16"-19/64"	19/64"	3/4"
	UP190	4-1/8"	19/64"	31/32"-1-5/64"	19/64"	3/16"-19/64"	19/64"	1-1/4"
NEW	UC191	3-35/64"	9/32"	1-1/32"-1-5/32"	19/64"	3/16"-5/16"	9/32"	3/4"
	UP191	4-1/8"	9/32"	1-1/16"-1-3/16"	19/64"	3/16"-5/16"	9/32"	1-1/4"

Number of pieces = 4

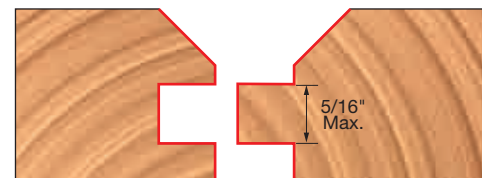
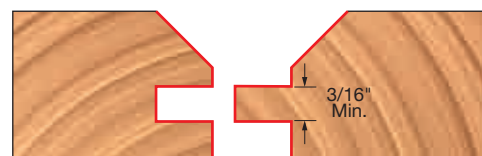
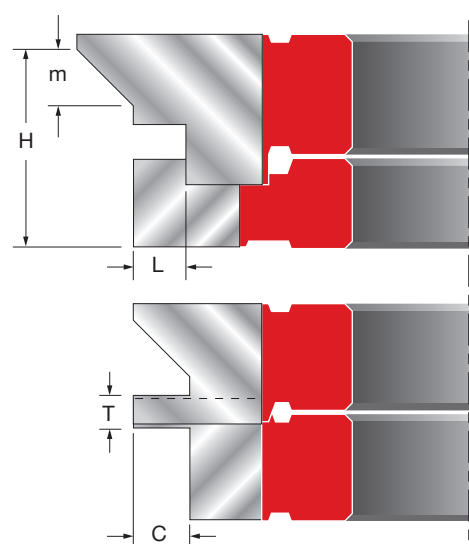
Number of wings = 3

Cutter Set #UC190 & #UP190



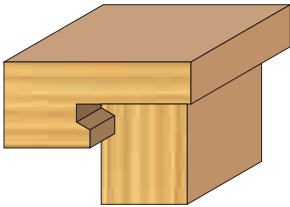
UC190
UP190

Cutter Set #UC191 & #UP191



UC191
UP191

Drawer Lock Cutters

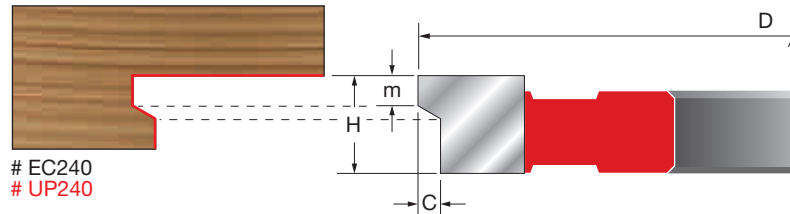


Designed for 1/2" and 3/4" thick stock, these cutters provide a strong joint for drawer fronts. Run the drawer face flat on the shaper table, and the drawer sides vertically on the fence. Once correct setup is attained for drawer front, height of cutter does not need to be changed to run drawer sides.

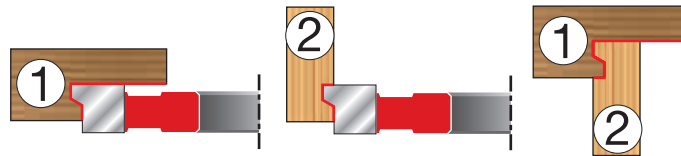


Item Number	Overall Dia.(D)	Cut Depth(C)	Carbide Height(H)	Minor Height(m)	Bore Diameter
EC240	2-7/8"	1/8"	33/64"	5/32"	3/4"
UP240	3-15/16"	1/8"	33/64"	5/32"	1-1/4"

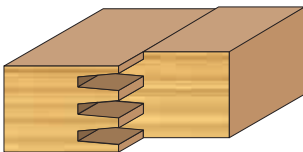
Number of Wings = 3



EC240
UP240



Finger Joint Cutter

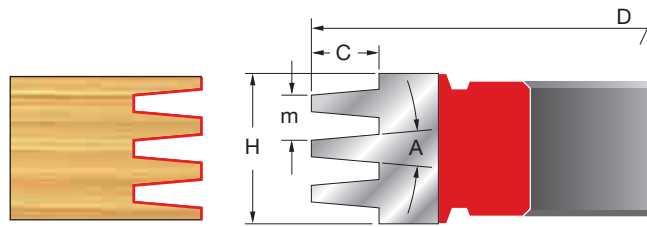


This cutter is used where very strong joining is needed. The cutter has three balanced wings and will join wood up to 5/8" thick. Wider boards can be joined by stacking multiple cutters on the spindle. After the first board is cut, the spindle should be raised or lowered 1/8" to make the mating cut.

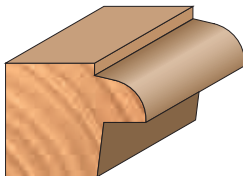


Item Number	Overall Dia.(D)	Cut Depth(C)	Carbide Height(H)	Minor Height(m)	Angle (A)	Bore Diameter
NEW UC250	2-61/64"	11/32"	25/32"	15/64"	10°	3/4"
UP250	3-9/16"	11/32"	25/32"	15/64"	10°	1-1/4"

Number of Wings = 3



UC250
UP250

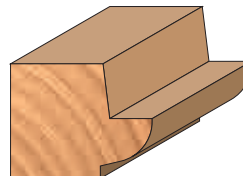
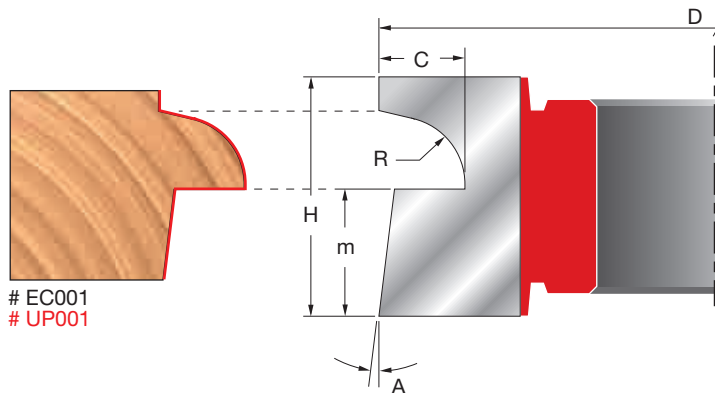


Door Lip Cutters

These cutters are designed for counter-clockwise rotation with the rabbet down, popular with raised panel doors where the panel extends further than the door frame. With clockwise rotation they can be used with the face down, so inconsistency in door thickness will not show when doors are closed.

Item Number	Overall Dia.(D)	Cut Depth(C)	Carbide Height(H)	Minor Height(m)	Large Radius(R)	Angle (A)	Bore Diameter
EC001	2-7/8"	29/64"	1-1/4"	43/64"	23/64"	7°	3/4"
UP001	3-9/16"	29/64"	1-1/4"	43/64"	23/64"	7°	1-1/4"

Number of Wings = 3

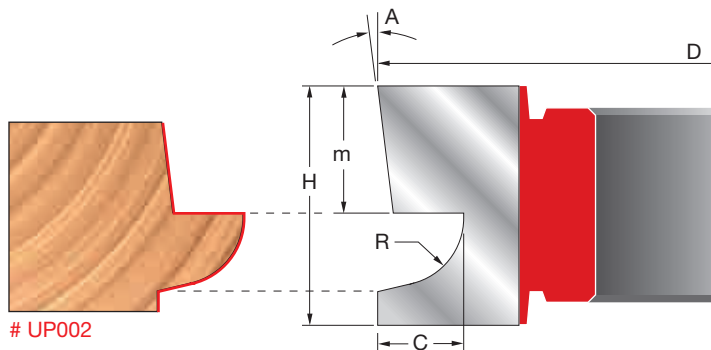


Door Lip Cutter

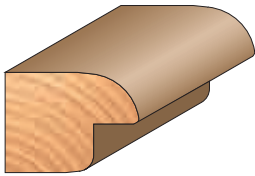
This cutter is designed for clockwise rotation with the rabbet down, popular with raised panel doors where the panel extends further than the door frame. With counter-clockwise rotation it can be used with the face down, so inconsistency in door thickness will not show when doors are closed.

Item Number	Overall Dia.(D)	Cut Depth(C)	Carbide Height(H)	Minor Height(m)	Large Radius(R)	Angle (A)	Bore Diameter
UP002	3-9/16"	29/64"	1-1/4"	43/64"	23/64"	7°	1-1/4"

Number of Wings = 3



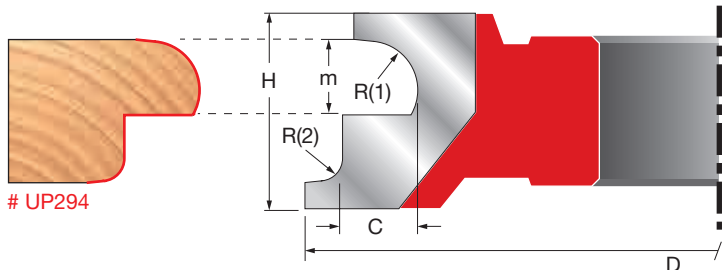
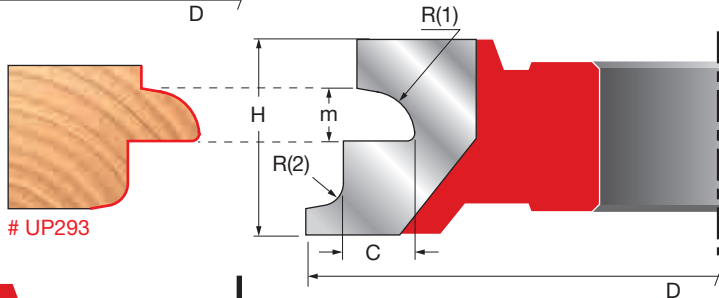
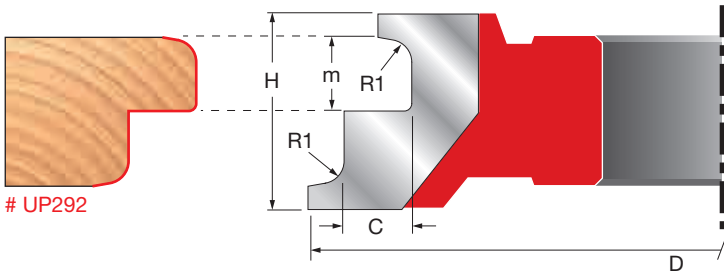
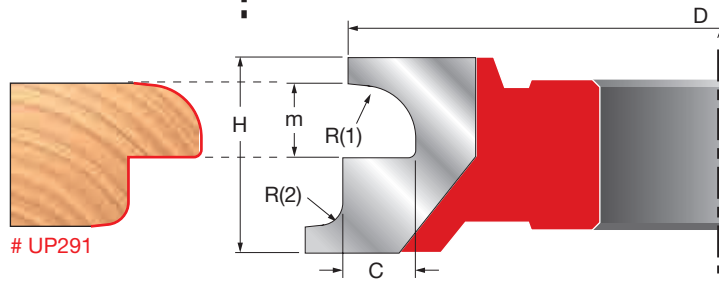
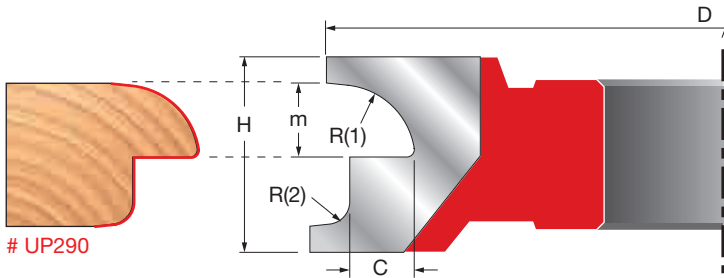
Door Lip Cutters



All of these door lip cutters leave a smooth radius on the back of the rabbet for easier finishing. By varying the height and fence settings these door lip cutters can provide different profiles.

Item Number	Overall Dia.(D)	Cut Depth(C)	Carbide Height(H)	Minor Height(m)	Large Radius(R1)	Small Radius(R2)	Bore Diameter
UP290	4-21/64"	7/16"	1-1/32"	25/64"	25/64"	—	1-1/4"
UP291	3-15/16"	3/8"	1-1/32"	25/64"	9/32"	1/8"	1-1/4"
UP292	4-21/64"	23/64"	1-1/32"	25/64"	1/8"	—	1-1/4"
UP293	4-21/64"	3/8"	1-1/32"	9/32"	15/64"	1/8"	1-1/4"
UP294	4-21/64"	25/64"	1-1/32"	25/64"	1/4"	1/8"	1-1/4"
UP295	4-21/64"	13/32"	1-1/32"	25/64"	1/8"	1/8"	1-1/4"
UP296	4-21/64"	13/32"	1-1/32"	25/64"	1/8"	5/64"	1-1/4"
UP297	4-21/64"	7/16"	1-1/32"	23/64"	19/32"	1/8"	1-1/4"

Number of Wings = 3



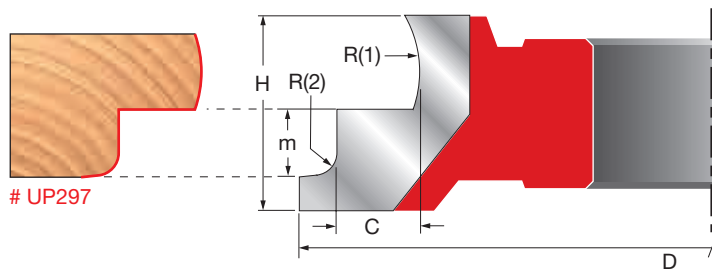
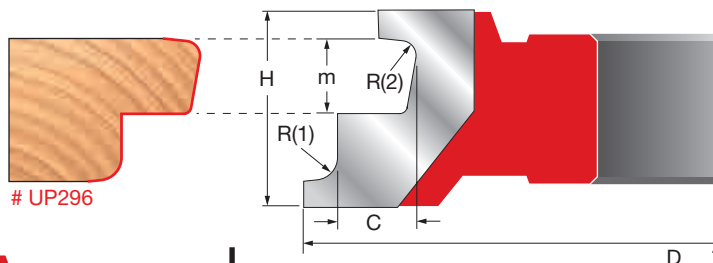
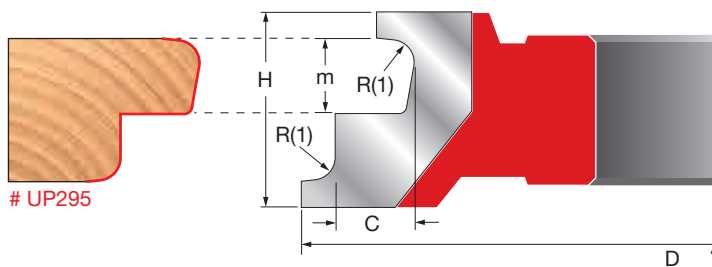
Red Item Numbers Indicate 1-1/4" Bore

All Profile Drawings 1:1 Scale

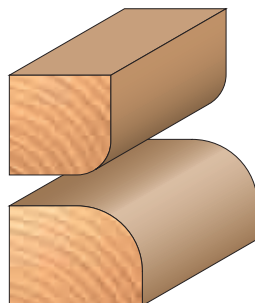


(Continued)

Door Lip Cutters



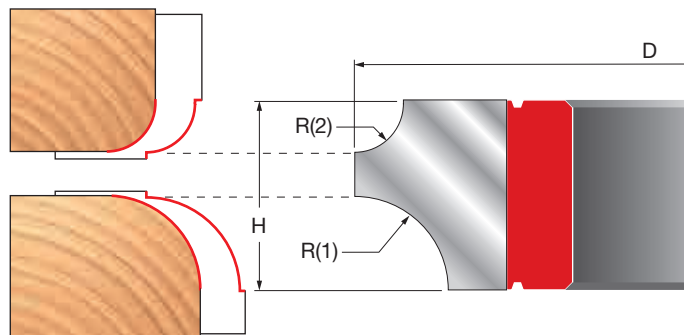
Combination 1/4" & 1/2" Round Over Cutters



This cutter is actually two cutters in one. One part is a 1/4" rounding over cutter and the other is a 1/2" rounding over cutter. It can also be used as a molding profile cutter and a beading cutter.

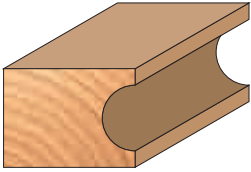
Item Number	Overall Dia.(D)	Carbide Height(H)	Large Radius(R1)	Small Radius(R2)	Bore Diameter
EC044	2-7/8"	1"	1/2"	1/4"	3/4"
UP004	3-9/16"	1"	1/2"	1/4"	1-1/4"

Number of Wings = 3



EC044
UP004

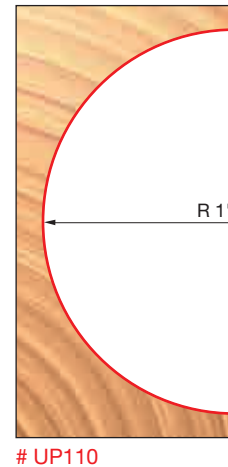
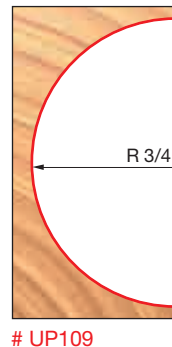
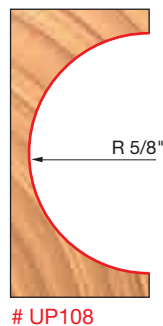
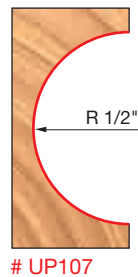
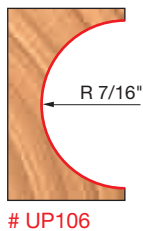
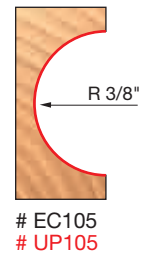
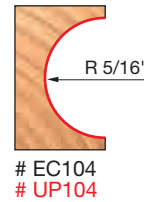
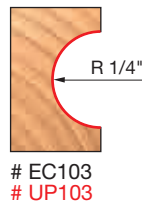
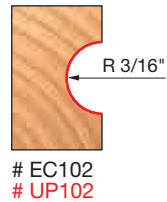
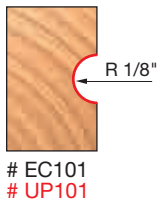
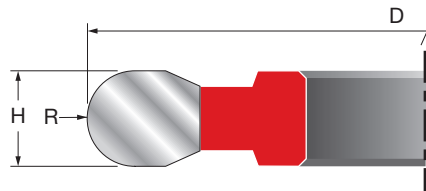
Convex Radius Cutters



These computer balanced three-wing cutters are a necessity to anyone who has a shaper. They can be used for cutting flutes and coves. Available in the most popular sizes in both 3/4" and 1-1/4" bore.

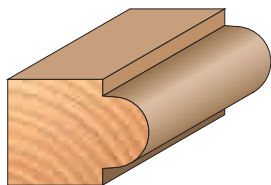
Item Number	Overall Dia.(D)	Carbide Height(H)	Large Radius(R)	Bore Diameter
EC101	2-7/8"	1/4"	1/8"	3/4"
EC102	2-7/8"	3/8"	3/16"	3/4"
EC103	2-7/8"	1/2"	1/4"	3/4"
EC104	2-7/8"	5/8"	5/16"	3/4"
EC105	2-7/8"	3/4"	3/8"	3/4"
UP101	3-9/16"	1/4"	1/8"	1-1/4"
UP102	3-9/16"	3/8"	3/16"	1-1/4"
UP103	3-9/16"	1/2"	1/4"	1-1/4"
UP104	3-9/16"	5/8"	5/16"	1-1/4"
UP105	3-9/16"	3/4"	3/8"	1-1/4"
UP106	3-9/16"	7/8"	7/16"	1-1/4"
UP107	3-9/16"	1"	1/2"	1-1/4"
UP108	3-9/16"	1-1/4"	5/8"	1-1/4"
UP109	3-5/8"	1-1/2"	3/4"	1-1/4"
UP110	4"	2"	1"	1-1/4"

Number of Wings = 3





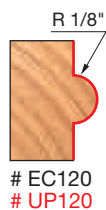
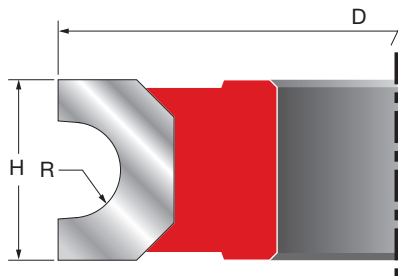
Concave Radius Cutters



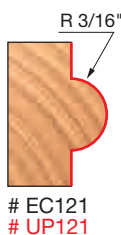
These computer balanced three-wing cutters are a necessity to anyone who has a shaper. They can be used for cutting beads and rounding the end of boards. Available in the most popular sizes for both 3/4" and 1-1/4" bore.

Item Number	Overall Dia.(D)	Carbide Height(H)	Large Radius(R)	Bore Diameter
EC120	2-7/8"	5/8"	1/8"	3/4"
EC121	2-7/8"	25/32"	3/16"	3/4"
EC122	2-7/8"	15/16"	1/4"	3/4"
EC123	2-7/8"	1-1/8"	5/16"	3/4"
EC124	2-7/8"	1-1/4"	3/8"	3/4"
UP120	3-9/16"	21/32"	1/8"	1-1/4"
UP121	3-9/16"	13/16"	3/16"	1-1/4"
UP122	3-9/16"	31/32"	1/4"	1-1/4"
UP123	3-9/16"	1-1/8"	5/16"	1-1/4"
UP124	3-9/16"	1-9/32"	3/8"	1-1/4"
UP125	3-5/8"	1-13/32"	7/16"	1-1/4"
UP126	4"	1-39/64"	1/2"	1-1/4"
UP127	4-3/8"	1-51/64"	5/8"	1-1/4"
UP128	4-11/16"	2-7/64"	3/4"	1-1/4"
UP129	5-1/8"	2-39/64"	1"	1-1/4"

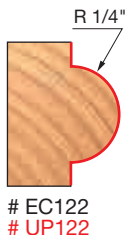
Number of Wings = 3



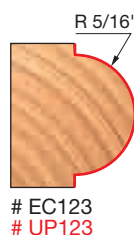
EC120
UP120



EC121
UP121



EC122
UP122



EC123
UP123



EC124
UP124



UP125



UP126



UP127

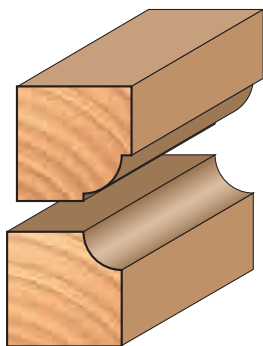
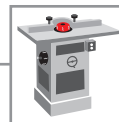


UP128



UP129

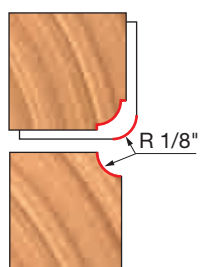
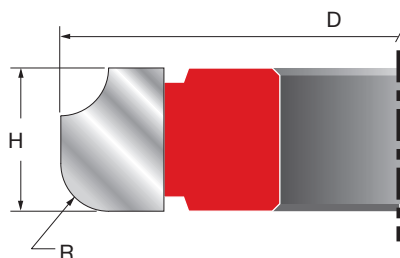
Combination Convex & Concave Cutters



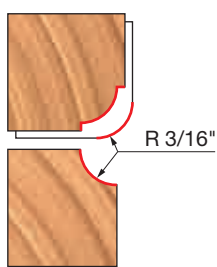
Freud's Combination Convex & Concave Cutters offer maximum versatility because they will cut half round beads, quarter round beads, coves, and rounding over cuts. These bits are great for making drop leaf tables by creating mating profiles with one cutter.

Item Number	Overall Dia.(D)	Carbide Height(H)	Large Radius(R)	Bore Diameter
UP130	3-9/16"	9/16"	1/8"	1-1/4"
UP131	3-9/16"	19/32"	3/16"	1-1/4"
UP132	3-9/16"	3/4"	1/4"	1-1/4"
UP133	3-9/16"	63/64"	5/16"	1-1/4"
UP134	3-9/16"	1-1/64"	3/8"	1-1/4"
UP135	3-5/8"	1-1/8"	7/16"	1-1/4"
UP136	4-1/4"	1-23/64"	1/2"	1-1/4"
UP137	4-11/16"	1-35/64"	5/8"	1-1/4"
UP138	4-11/16"	1-53/64"	3/4"	1-1/4"
UP139	5-1/8"	2-1/4"	1"	1-1/4"

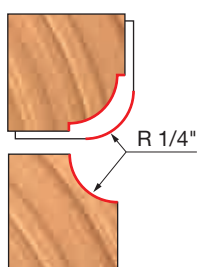
Number of Wings = 3



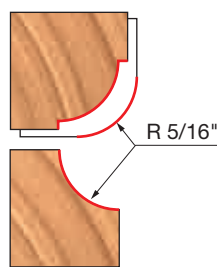
UP130



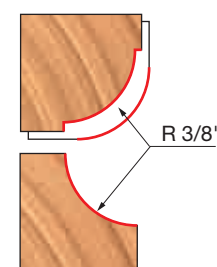
UP131



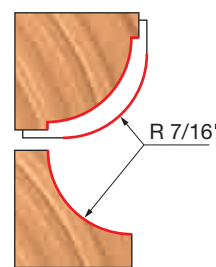
UP132



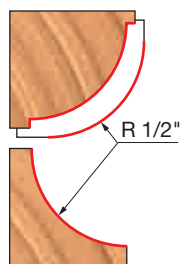
UP133



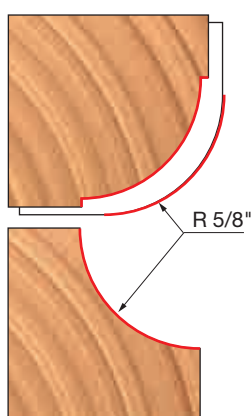
UP134



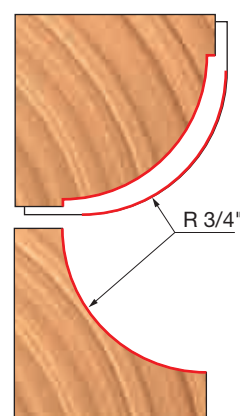
UP135



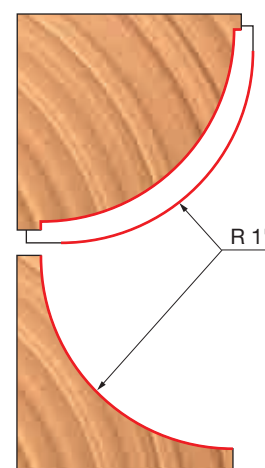
UP136



UP137



UP138



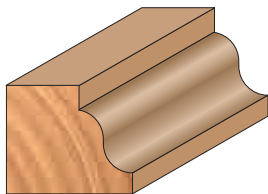
UP139

Red Item Numbers Indicate 1-1/4" Bore

All Profile Drawings 1:1 Scale



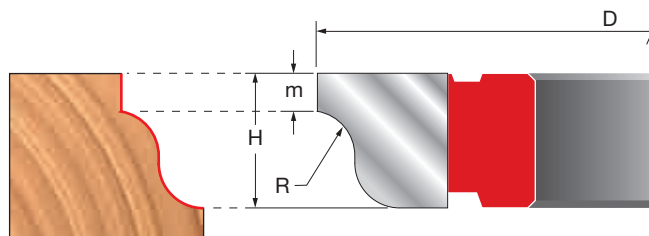
Roman Ogee Cutters



The Roman Ogee pattern of edge treatments will lend an air of classical styling to any piece. The pattern can also be changed by raising or lowering the spindle.

Item Number	Overall Dia.(D)	Carbide Height(H)	Minor Height(m)	Large Radius(R)	Bore Diameter
EC005	2-7/8"	25/32"	9/32"	15/64"	3/4"
UP005	3-5/8"	45/64"	13/64"	15/64"	1-1/4"

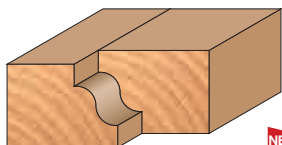
Number of Wings = 3



EC005
UP005



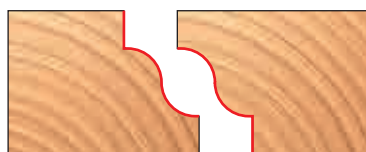
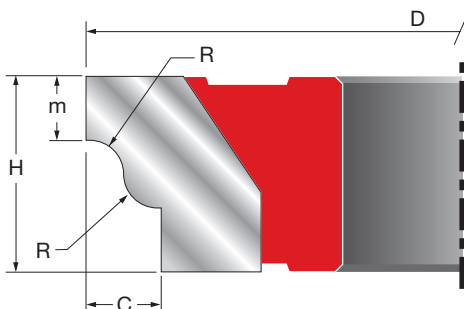
Matched Reverse Detail Cutters



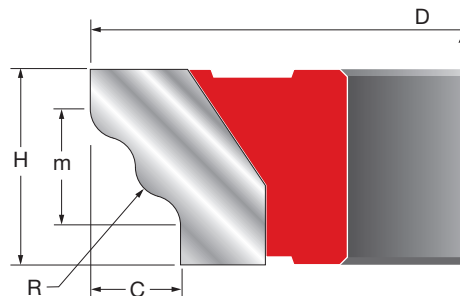
These cutters have perfectly matched profiles which enable both the molding cut and a matching coping cut with the same cutter.

Item Number	Overall Dia.(D)	Cut Depth(C)	Carbide Height(H)	Minor Height(m)	Large Radius(R)	Angle (A)	Bore Diameter
NEW UC282	3-11/32"	5/8"	1-1/32"	1/2"	15/64"	—	3/4"
NEW UC285	3-11/32"	15/32"	1"	19/32"	15/64"	—	3/4"
UP280	3-15/16"	25/64"	1-3/32"	23/64"	11/64"	—	1-1/4"
UP281	3-15/16"	15/32"	1-3/32"	5/16"	5/32"	—	1-1/4"
UP282	3-15/16"	5/8"	1-3/32"	1/2"	15/64"	—	1-1/4"
UP283	3-15/16"	33/64"	63/64"	33/64"	13/64"	—	1-1/4"
UP284	3-15/16"	43/64"	63/64"	33/64"	23/64"	—	1-1/4"
UP285	3-15/16"	15/32"	63/64"	19/32"	15/64"	—	1-1/4"
UP286	3-15/16"	3/4"	63/64"	23/64"	23/64"	—	1-1/4"
UP287	3-15/16"	19/32"	63/64"	3/4"	5/16"	—	1-1/4"
UP288	4-1/8"	5/8"	63/64"	17/64"	—	23°	1-1/4"

Number of Wings = 3

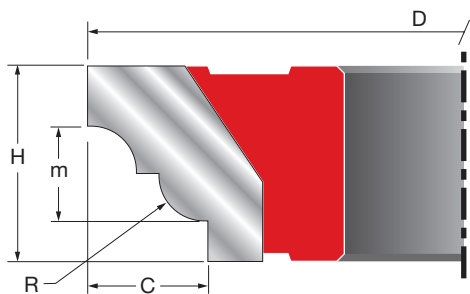
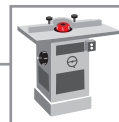


UP280

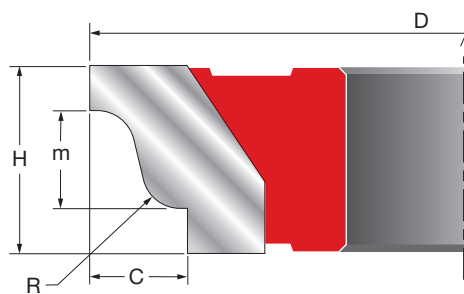


UP281

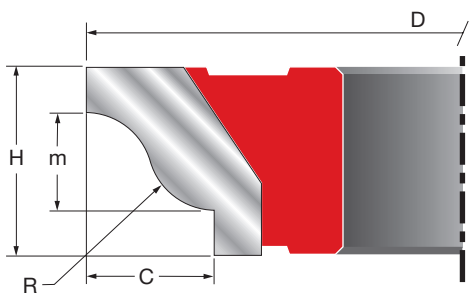
(Continued) Matched Reverse Detail Cutters



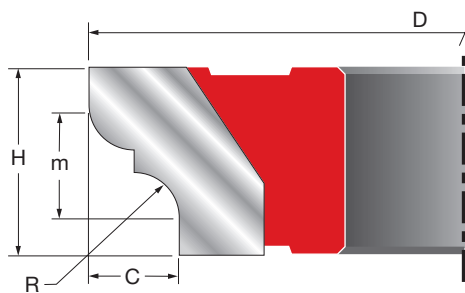
#UC282, #UP282



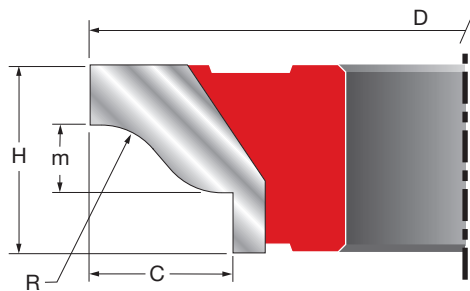
#UP283



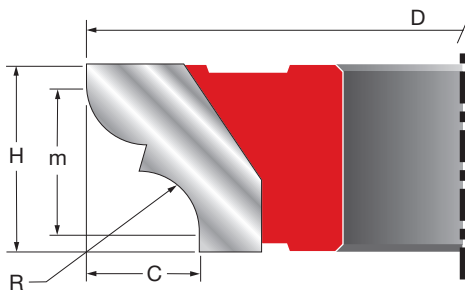
#UP284



#UC285, #UP285



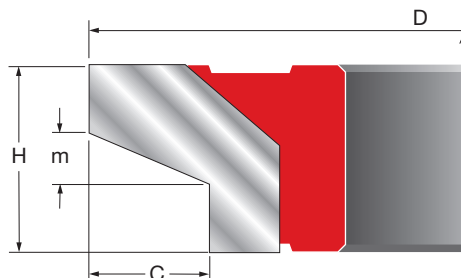
#UP286



#UP287



#UP288

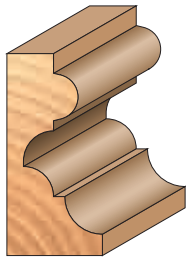


Red Item Numbers Indicate 1-1/4" Bore

All Profile Drawings 1:1 Scale



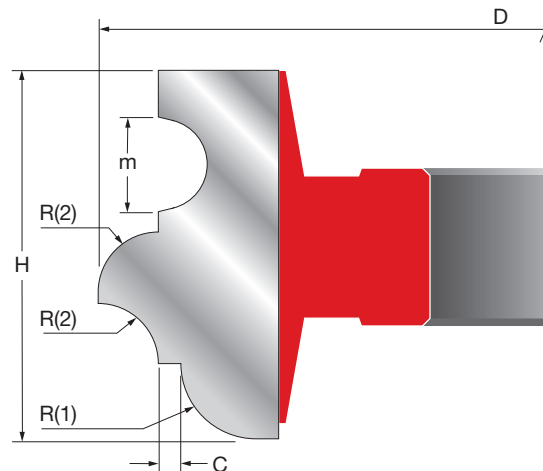
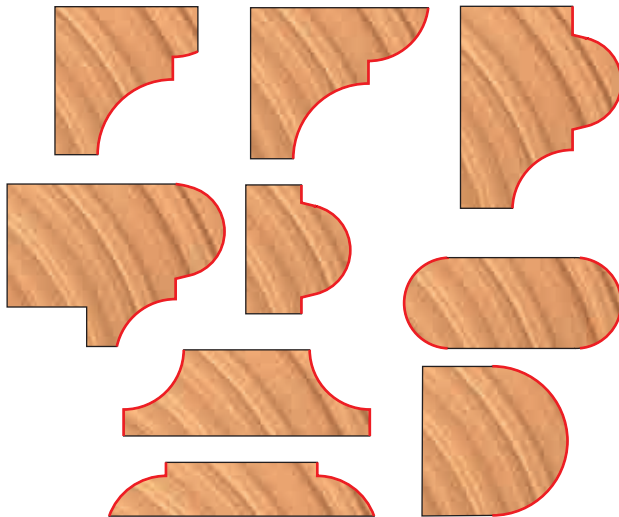
Multi-Profile Cutters



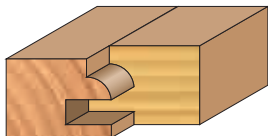
These cutters produce a countless number of molding profiles. The beautiful profiles are created by varying the height and fence setting. By making multiple passes, a countless number of moldings can be made.

Item Number	Overall Dia.(D)	Cut Depth(C)	Carbide Height(H)	Minor Height(m)	Large Radius(R)	Angle (A)	Bore Diameter
PK1	3-3/4"	1/8"	1-15/16"	1/2"	25/64"	5/16"	3/4"
PK2	4-23/32"	1/8"	1-15/16"	1/2"	25/64"	5/16"	1-1/4"

Number of Wings = 3



3/4" Stock Male & Female Cabinet Door Cutter Sets

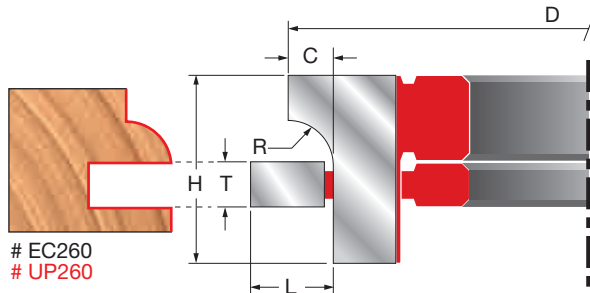


These male & female cutter sets are perfect for the high production needs of a cabinet or door shop. Shims are included to ensure perfectly fitted joints through many sharpenings. Each cutter is balanced, and has thick carbide tips for maximum sharpening life.

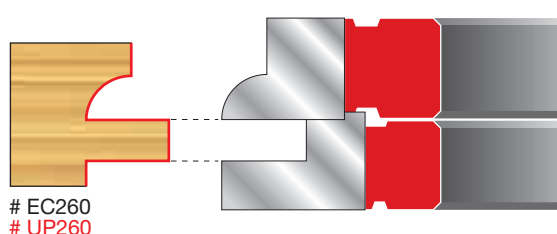
Item Number	Overall Dia.(D)	Cut Depth(C)	Carbide Height(H)	Tenon Thickness(T)	Tenon Length(L)	Large Radius(R)	Bore Dia.	Rub Collar Number
EC260	2-7/16"	15/64"	1"	15/64"	7/16"	15/64"	3/4"	RC-001
UP260	3-9/16"	15/64"	1"	15/64"	7/16"	15/64"	1-1/4"	RC30#

"#" Determines Bore Size
See Bushing & Rub Collars for Bore Selection

Number of Wings=3
Number of Pieces=4

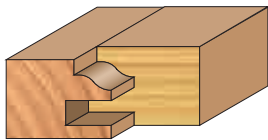
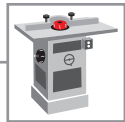


EC260
UP260



EC260
UP260

3/4" Stock Male & Female Cabinet Door Cutter Sets

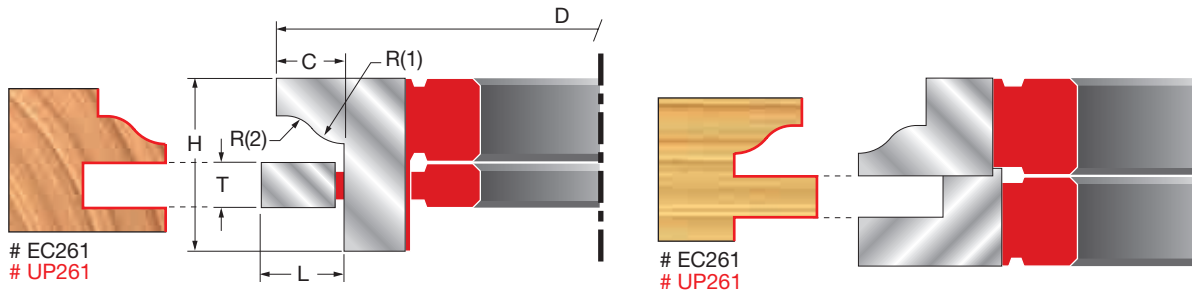


These male & female cutter sets are perfect for the high production needs of a cabinet or door shop. Shims are included to ensure perfectly fitted joints through many sharpenings. Each cutter is balanced, and has thick carbide tips for maximum sharpening life.

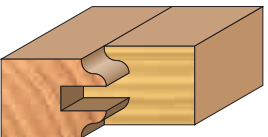
Item Number	Overall Dia.(D)	Cut Depth(C)	Carbide Height(H)	Tenon Thickness(T)	Tenon Length(L)	Large Radius(R1)	Small Radius(R2)	Bore Dia.	Rub Collar Number
EC261	2-11/16"	11/32"	1"	15/64"	7/16"	9/32"	11/64"	3/4"	RC-001
UP261	3-9/16"	11/32"	29/32"	15/64"	7/16"	9/32"	11/64"	1-1/4"	RC30#

"#" Determines Bore Size
See Bushing & Rub Collars for Bore Selection

Number of Wings=3
Number of Pieces=4



3/4" Stock Male & Female Cabinet Door Cutter Sets

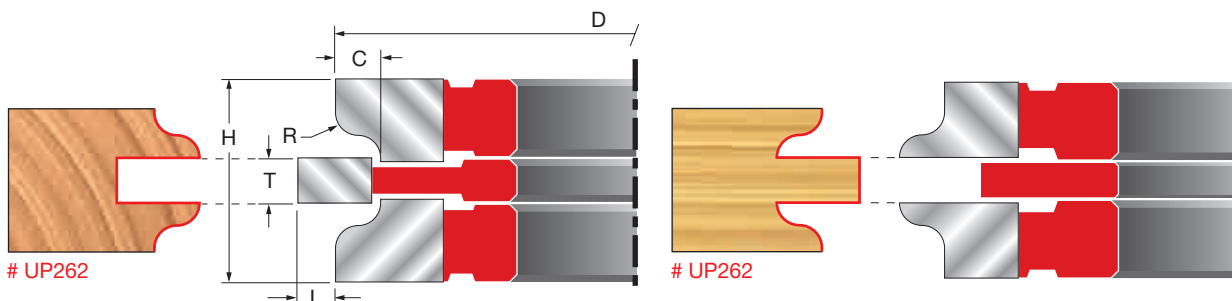


These male & female cutter sets are perfect for the high production needs of a cabinet or door shop. Shims are included to ensure perfectly fitted joints through many sharpenings. Each cutter is balanced, and has thick carbide tips for maximum sharpening life.

Item Number	Overall Dia.(D)	Cut Depth(C)	Carbide Height(H)	Tenon Thickness(T)	Tenon Length(L)	Large Radius(R)	Bore Dia.	Rub Collar Number
UP262	3-9/16"	15/64"	1-1/16"	15/64"	7/16"	1/8"	1-1/4"	RC30#

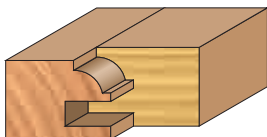
"#" Determines Bore Size
See Bushing & Rub Collars for Bore Selection

Number of Wings=3
Number of Pieces=6





3/4" Stock Male & Female Cabinet Door Cutter Sets

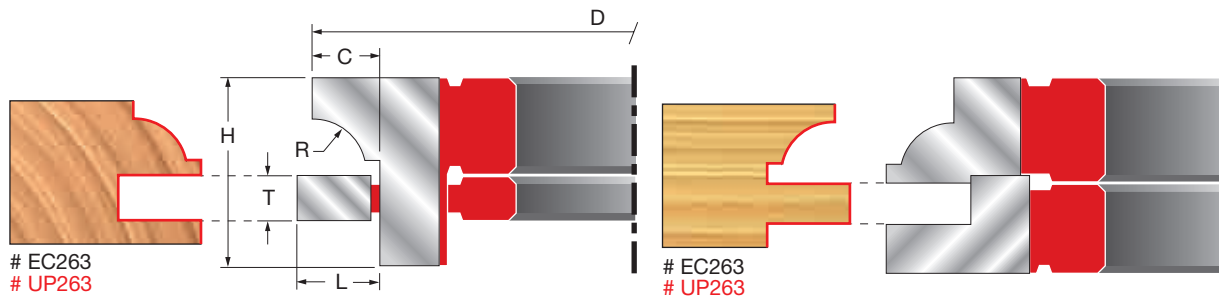


These male & female cutter sets are perfect for the high production needs of a cabinet or door shop. Shims are included to ensure perfectly fitted joints through many sharpenings. Each cutter is balanced, and has thick carbide tips for maximum sharpening life.

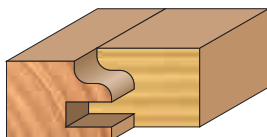
Item Number	Overall Dia.(D)	Cut Depth(C)	Carbide Height(H)	Tenon Thickness(T)	Tenon Length(L)	Large Radius(R)	Bore Dia.	Rub Collar Number
EC263	2-11/16"	11/32"	1"	15/64"	7/16"	9/32"	3/4"	RC-001
UP263	3-9/16"	11/32"	1"	15/64"	7/16"	9/32"	1-1/4"	RC30#

"#" Determines Bore Size
See Bushing & Rub Collars for Bore Selection

Number of Wings=3
Number of Pieces=4



3/4" Stock Male & Female Cabinet Door Cutter Sets

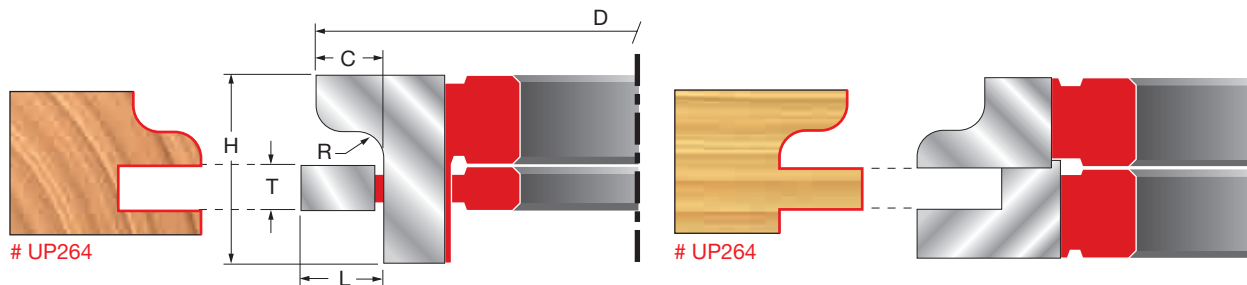


These male & female cutter sets are perfect for the high production needs of a cabinet or door shop. Shims are included to ensure perfectly fitted joints through many sharpenings. Each cutter is balanced, and has thick carbide tips for maximum sharpening life.

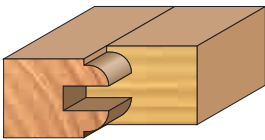
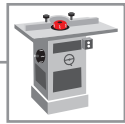
Item Number	Overall Dia.(D)	Cut Depth(C)	Carbide Height(H)	Tenon Thickness(T)	Tenon Length(L)	Large Radius(R)	Bore Dia.	Rub Collar Number
UP264	3-9/16"	11/32"	1"	15/64"	7/16"	9/64"	1-1/4"	RC30#

"#" Determines Bore Size
See Bushing & Rub Collars for Bore Selection

Number of Wings=3
Number of Pieces=4



3/4" Stock Male & Female Cabinet Door Cutter Sets

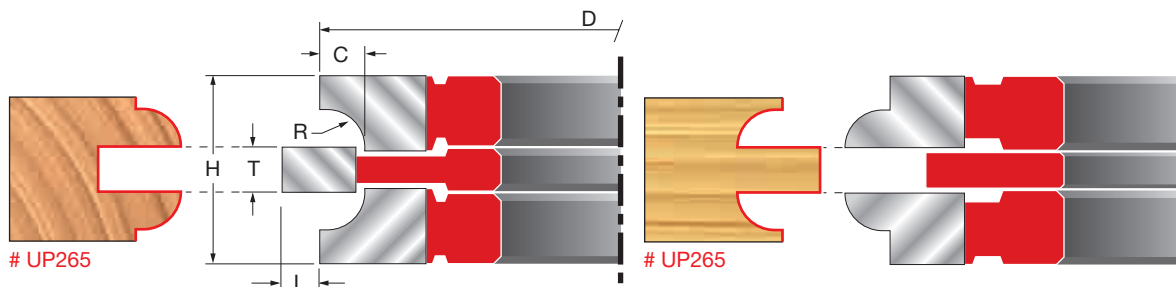


These male & female cutter sets are perfect for the high production needs of a cabinet or door shop. Shims are included to ensure perfectly fitted joints through many sharpenings. Each cutter is balanced, and has thick carbide tips for maximum sharpening life.

Item Number	Overall Dia.(D)	Cut Depth(C)	Carbide Height(H)	Tenon Thickness(T)	Tenon Length(L)	Large Radius(R)	Bore Dia.	Rub Collar Number
UP265	3-9/16"	15/64"	63/64"	15/64"	7/16"	13/64"	1-1/4"	RC30#

"#" Determines Bore Size
See Bushing & Rub Collars for Bore Selection

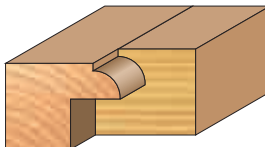
Number of Wings=3
Number of Pieces=4



Glass Door Cutter For EC260, EC261, & EC263



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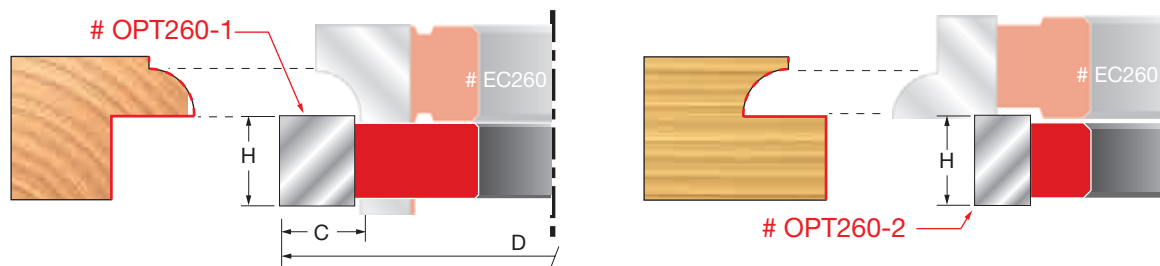


Use this set of cutters with EC260, EC261, or EC263 to make rabbets required in the back of doors for glass panels. Secure glass in place with a small piece of molding.

Item Number	Overall Dia.(D)	Cut Depth(C)	Carbide Height(H)	Bore Diameter
OPT260	2-53/64"	7/16"	15/32"	3/4"

Number of Wings = 3

Number of pieces = 2



SHAPER CUTTERS

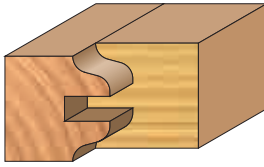
freud®

Red Item Numbers Indicate 1-1/4" Bore

All Profile Drawings 1:1 Scale



1" Stock Male & Female Door Cutter Set

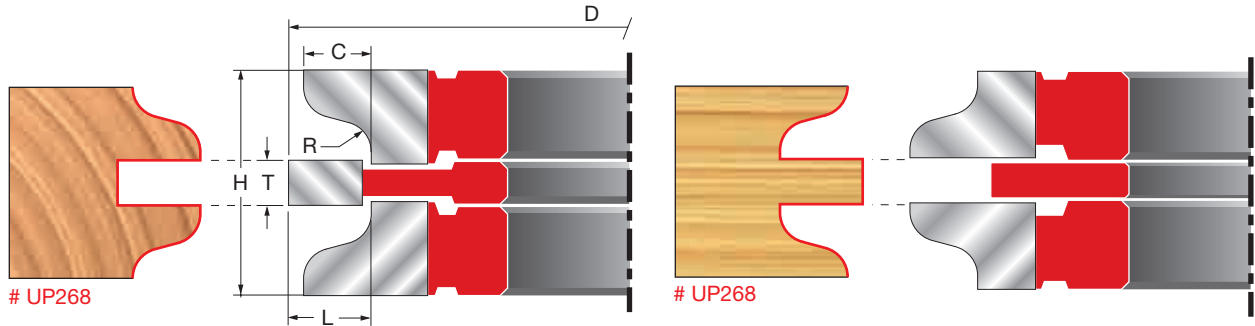


This male & female cutter set makes a molding cut on both sides of the rail and stile. Ideal for lightweight doors or divider screens. Shims are included to ensure perfectly fitted joints through many sharpenings. Each cutter is balanced, and has thick carbide tips for maximum sharpening life.

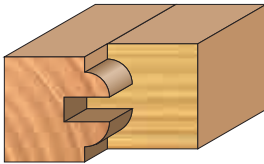
Item Number	Overall Dia.(D)	Cut Depth(C)	Carbide Height(H)	Tenon Thickness(T)	Tenon Length(L)	Large Radius(R)	Bore Dia.	Rub Collar Number
UP268	3-9/16"	23/64"	1-3/16"	15/64"	7/16"	5/32"	1-1/4"	RC30#

"#" Determines Bore Size
See Bushing & Rub Collars for Bore Selection

Number of Wings=3
Number of Pieces=6



1" Stock Male & Female Door Cutter Sets

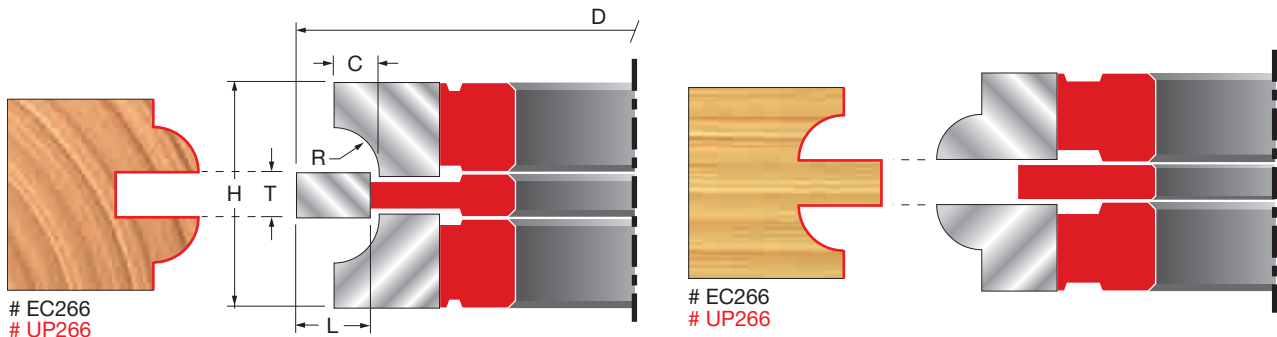


These male & female cutter sets makes a molding cut on both sides of the rail and stile. Ideal for lightweight doors or divider screens. Shims are included to ensure perfectly fitted joints through many sharpenings. Each cutter is balanced, and has thick carbide tips for maximum sharpening life.

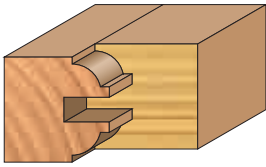
Item Number	Overall Dia.(D)	Cut Depth(C)	Carbide Height(H)	Tenon Thickness(T)	Tenon Length(L)	Large Radius(R)	Bore Dia.	Rub Collar Number
EC266	2-27/32"	15/64"	1-3/16"	15/64"	7/16"	15/64"	3/4"	RC-001
UP266	3-9/16"	15/64"	1-3/16"	15/64"	7/16"	15/64"	1-1/4"	RC30#

"#" Determines Bore Size
See Bushing & Rub Collars for Bore Selection

Number of Wings=3
Number of Pieces=6



1" Stock Male & Female Door Cutter Set



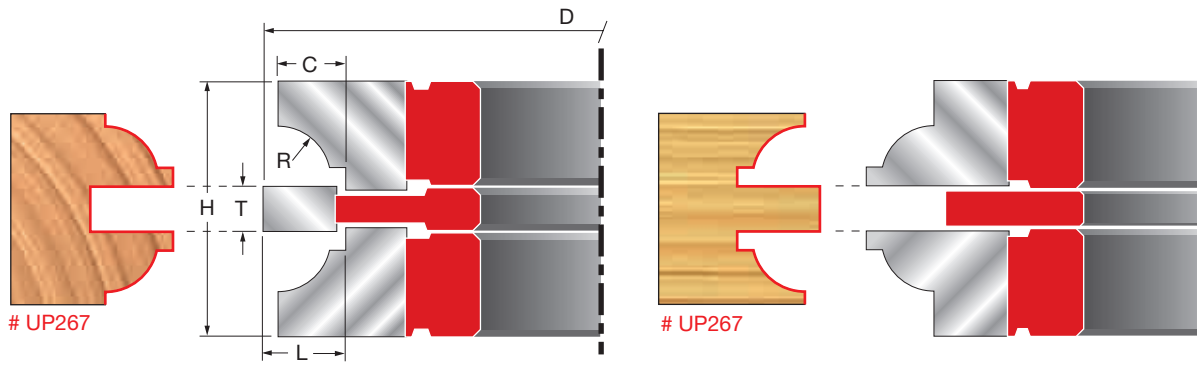
This male & female cutter set makes a molding cut on both sides of the rail and stile. Ideal for lightweight doors or divider screens. Shims are included to ensure perfectly fitted joints through many sharpenings. Each cutter is balanced, and has thick carbide tips for maximum sharpening life.



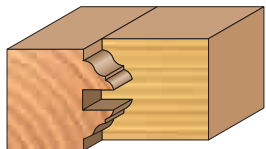
Item Number	Overall Dia.(D)	Cut Depth(C)	Carbide Height(H)	Tenon Thickness(T)	Tenon Length(L)	Large Radius(R)	Bore Dia.	Rub Collar Number
UP267	3-9/16"	11/32"	1-11/32"	15/64"	7/16"	9/32"	1-1/4"	RC30#

"#" Determines Bore Size
See Bushing & Rub Collars for Bore Selection

Number of Wings=3
Number of Pieces=6



Classical Profile Interior Door Cutter Sets

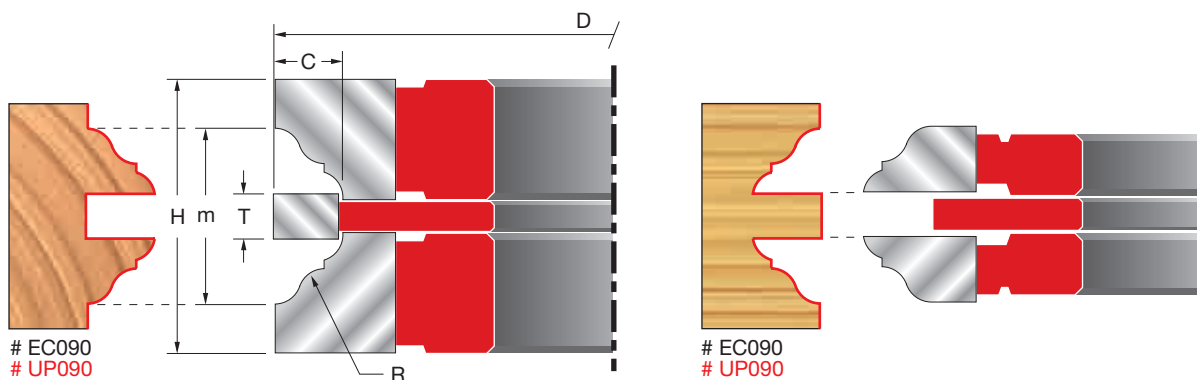


These cutter sets cut a classical pattern rail and stile for standard 1-3/8" thick interior doors. Cuts both the molding cut and the coping cut. Shims are included to ensure perfectly fitted joints through many sharpenings.



Item Number	Overall Dia.(D)	Carbide Height(H)	Minor Height(m)	Tenon Thickness(T)	Large Radius(R)	Bore Diameter
EC090	2-7/8"	23/64"	1-37/64"	15/64"	9/64"	3/4"
UP090	3-9/16"	23/64"	1-27/64"	15/64"	1/8"	1-1/4"

Number of Wings=3
Number of Pieces=6



Fixed Wing Cutters



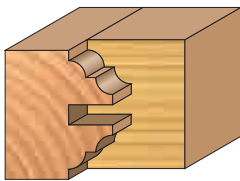
SHAPER CUTTERS

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1-3/8" Stock Male & Female Interior Door Cutter Sets

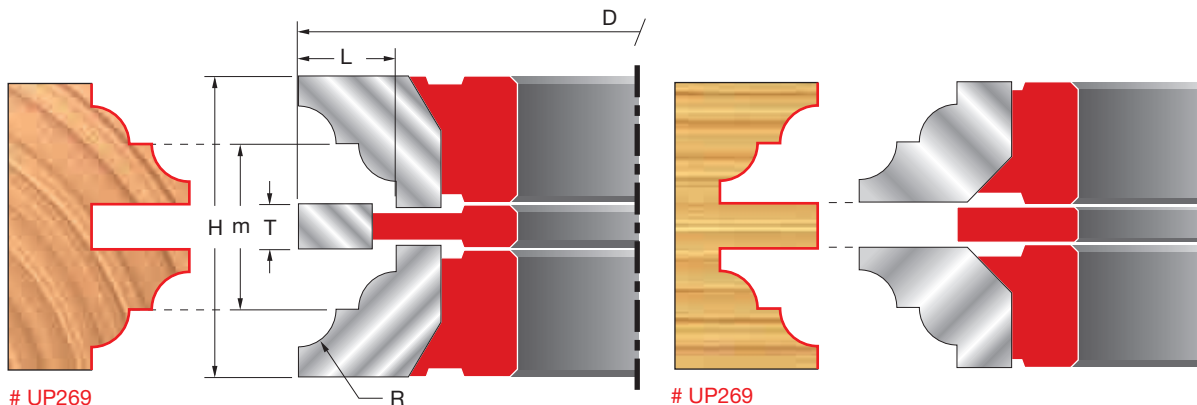


This male & female cutter set cuts a cove and bead pattern on both sides of the rail and stile. Ideal for interior doors. Shims are included to ensure perfectly fitted joints through many sharpenings. Each cutter is balanced, and has thick carbide tips for maximum sharpening life.

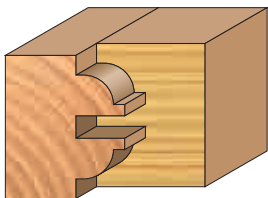
Item Number	Overall Dia.(D)	Cut Depth(C)	Carbide Height(H)	Tenon Thickness(T)	Tenon Length(L)	Large Radius(R)	Bore Dia.	Rub Collar Number
UP269	3-9/16"	1-37/64"	7/8"	15/64"	33/64"	13/64"	1-1/4"	RC20#

"#" Determines Bore Size
See Bushing & Rub Collars for Bore Selection

Number of Wings=3
Number of Pieces=6



1-3/8" Stock Male & Female Interior Door Cutter Sets

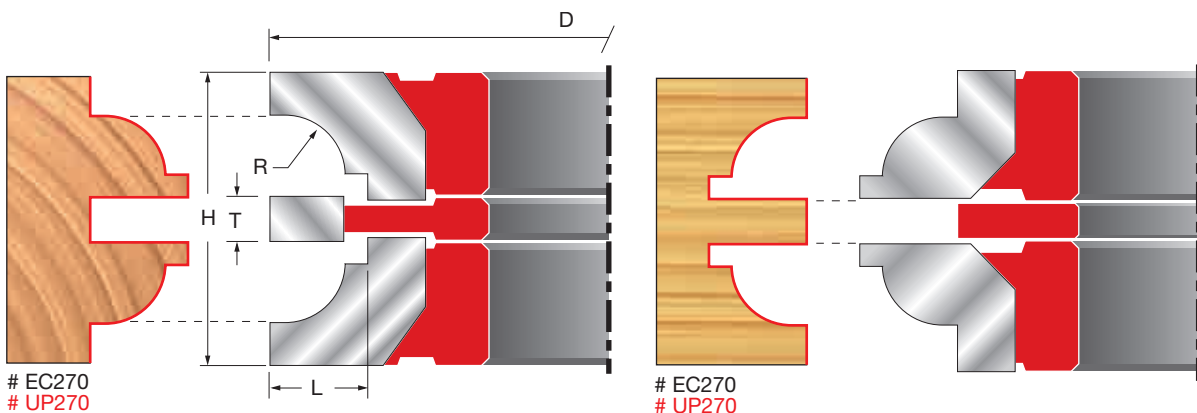


These male & female cutter sets cut a bead pattern on both sides of the rail and stile. Ideal for interior doors. Shims are included to ensure perfectly fitted joints through many sharpenings. Each cutter is balanced, and has thick carbide tips for maximum sharpening life.

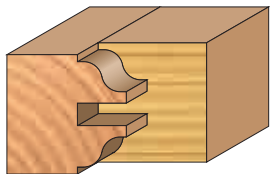
Item Number	Overall Dia.(D)	Carbide Height(H)	Tenon Thickness(T)	Tenon Length(L)	Large Radius(R)	Bore Diameter	Rub Col. Number
EC270	2-27/32"	1-37/64"	15/64"	33/64"	5/16"	3/4"	RC-001
UP270	3-9/16"	1-37/64"	15/64"	33/64"	5/16"	1-1/4"	RC20#

"#" Determines Bore Size
See Bushing & Rub Collars for Bore Selection

Number of Wings=3
Number of Pieces=6



1-3/8" Stock Male & Female Interior Door Cutter Set

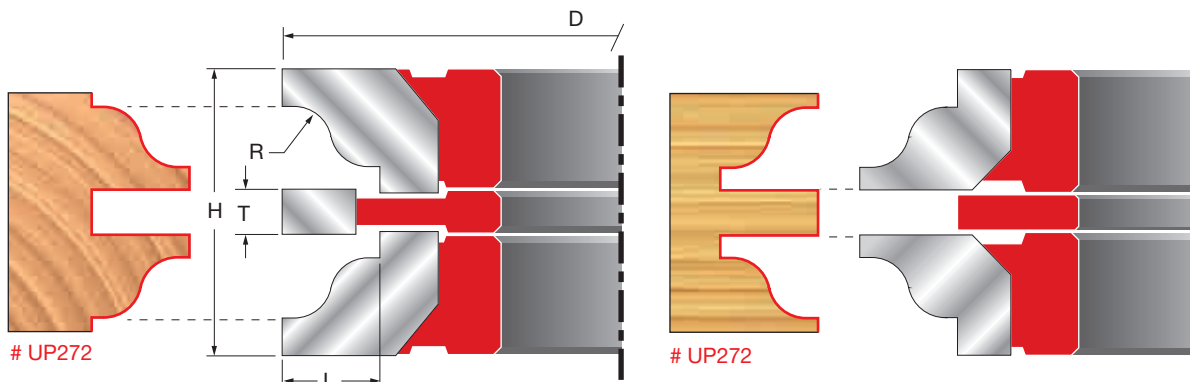


This male & female cutter set cuts an ogee pattern on both sides of the rail and stile. Ideal for interior doors. Shims are included to ensure perfectly fitted joints through many sharpenings. Each cutter is balanced, and has thick carbide tips for maximum sharpening life.

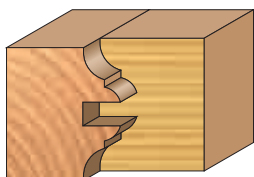
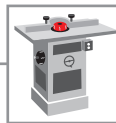
Item Number	Overall Dia.(D)	Carbide Height(H)	Tenon Thickness(T)	Tenon Length(L)	Large Radius(R)	Bore Diameter	Rub Col. Number
UP272	3-9/16"	1-1/2"	15/64"	17/32"	3/16"	1-1/4"	RC20#

"#" Determines Bore Size
See Bushing & Rub Collars for Bore Selection

Number of Wings=3
Number of Pieces=6



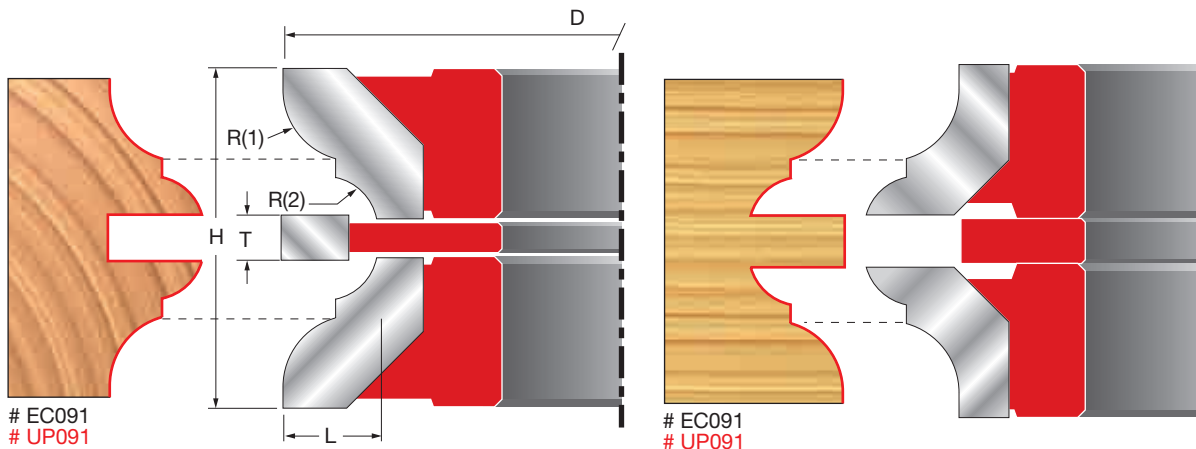
Cove & Bead Exterior Door Cutter Sets



Make beautiful exterior doors with these cutter sets. Designed for the rails and stiles of standard 1-3/4" thick exterior doors, these cutters will cut both the molding cut and the coping cut. Shims included for precise adjustment.

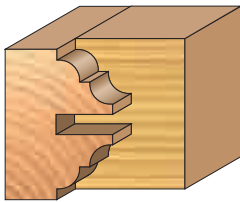
Item Number	Overall Dia.(D)	Tenon Length(L)	Carbide Height(H)	Tenon Thickness(T)	Large Radius(R)	Small Radius(2)	Bore Dia.
EC091	2-7/8"	1/2"	1-47/64"	15/64"	21/64"	9/32"	3/4"
UP091	3-9/16"	1/2"	1-47/64"	15/64"	21/64"	9/32"	1-1/4"

Number of Wings=3
Number of Pieces=6





1-3/4" Stock Male & Female Exterior Door Cutter Set

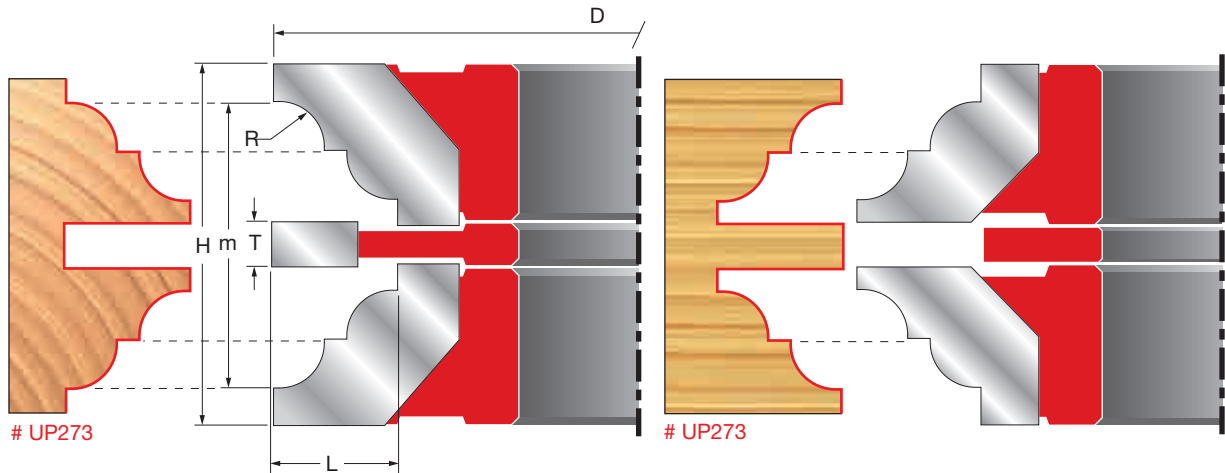


This male & female cutter set cuts a cove and bead pattern on both sides of the rail and stile. Ideal for exterior doors. Shims are included to ensure perfectly fitted joints through many sharpenings. Each cutter is balanced, and has thick carbide tips for maximum sharpening life.

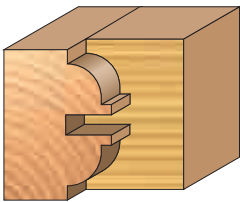
Item Number	Overall Dia.(D)	Carbide Height(H)	Minor Height(m)	Tenon Thickness(T)	Large Radius(R)	Tenon Length(L)	Bore Dia.	Rub Collar Number
UP273	3-13/16"	1-27/32"	1-29/64"	15/64"	43/64"	15/64"	1-1/4"	RC20#

"#" Determines Bore Size
See Bushing & Rub Collars for Bore Selection

Number of Wings=3
Number of Pieces=6



1-3/4" Stock Male & Female Exterior Door Cutter Sets

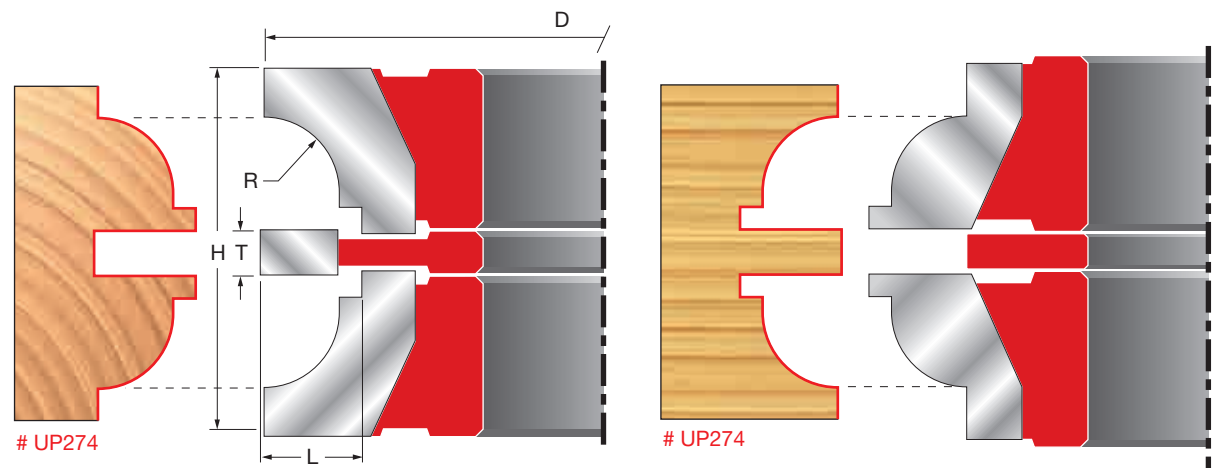


These male & female cutter sets cut a bead pattern on both sides of the rail and stile. Ideal for exterior doors. Shims are included which ensures perfect joint maintenance through many sharpenings. Each cutter is balanced, and has thick carbide tips for maximum sharpening life.

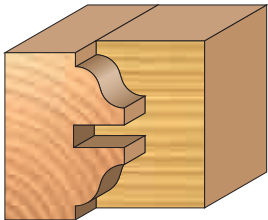
Item Number	Overall Dia.(D)	Carbide Height(H)	Tenon Thickness(T)	Tenon Length(L)	Large Radius(R)	Bore Diameter	Rub Col. Number
EC274	2-27/32"	1-31/32"	15/64"	33/64"	25/64"	3/4"	RC-001
UP274	3-9/16"	1-31/32"	15/64"	33/64"	25/64"	1-1/4"	RC20#

"#" Determines Bore Size
See Bushing & Rub Collars for Bore Selection

Number of Wings=3
Number of Pieces=6



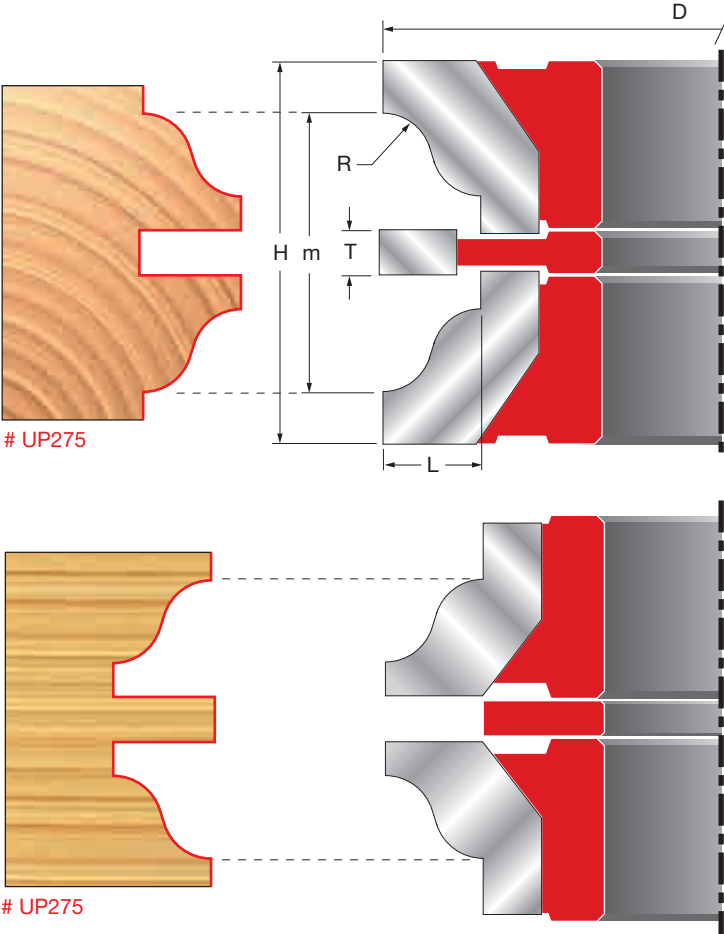
1-3/4" Stock Male & Female Exterior Door Cutter Set



This male & female cutter set cuts an ogee pattern on both sides of the rail and stile. Ideal for exterior doors. Shims are included to ensure perfectly fitted joints through many sharpenings. Each cutter is balanced, and has thick carbide tips for maximum sharpening life.



Item Number	Overall Dia.(D)	Carbide Height(H)	Minor Height(m)	Tenon Thickness(T)	Tenon Length(L)	Large Radius(R)	Bore Dia.	Rub Collar Number
UP275	3-9/16"	2-3/64"	1-29/64"	15/64"	33/64"	1/4"	1-1/4"	RC20#
“#” Determines Bore Size See Bushing & Rub Collars for Bore Selection							Number of Wings=3 Number of Pieces=6	



Red Item Numbers Indicate 1-1/4" Bore

All Profile Drawings 1:1 Scale

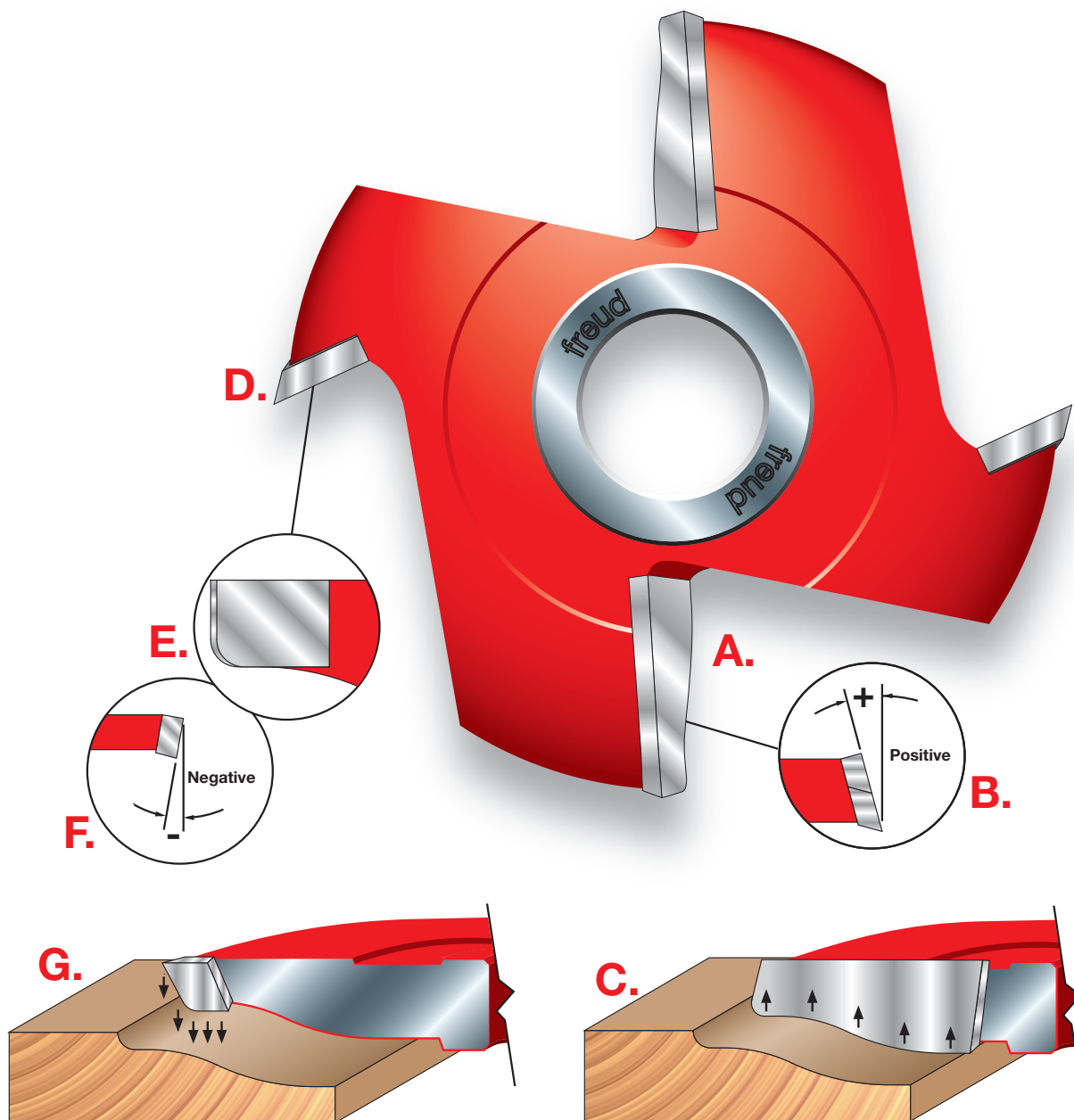




2+2 Raised Panel Cutters

Freud's exclusive 2+2 Raised Panel Cutters produce raised panels that are glass smooth, even on cross grain with no splintering at the top of the profile edge.

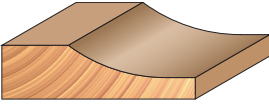
Freud's engineers have set two wings to do the main cutting of the profile, while two others cut the top part of the profile. As seen in the illustration below, the large wing is set at a slightly positive hook angle **(A)**, and a positive shear angle **(B)**. This slices the wood from the main part of the profile **(C)**, leaving a glass smooth finish. The two smaller wings, set at a steep positive hook angle **(D)**, are sized so the outside diameter is slightly larger than the large wings **(E)**. These small wings are also designed with a negative sheer angle **(F)**. This allows the small wing to cut the vertical part of the profile with a down slicing action **(G)**, pushing down all the wood fibers at the top of the panel and cleanly slicing them off. This leaves none of the fuzz associated with standard three-wing cutters.



The small wing pushes down on the wood fibers to shear them off for a perfect splinter free edge.

The large wing shears up for a perfect finish on the raised panel profile.

2+2 Raised Panel Cutters For 5/8" Stock



These 2+2 raised panel cutters are designed for 5/8" thick panels. All 1-1/4" bore cutters can be used with back-cutters UP230 and UP231 when using 3/4" stock. All 3/4" bore cutters can be used with back-cutters UC230 and UC231 when using with 3/4" stock.

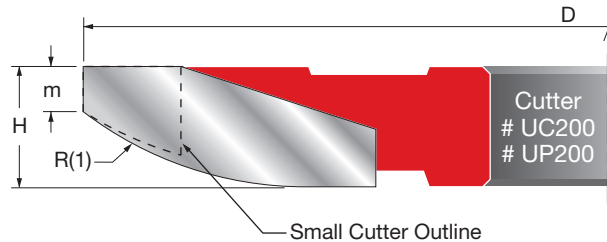
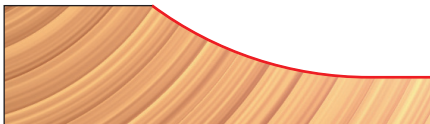


	Item Number	Overall Dia.(D)	Carbide Height(H)	Minor Height(m)	Large Radius(R1)	Small Radius(R2)	Angle (A)	Bore Dia.	Rub Collar Number
NEW	UC200	4-15/16"	5/8"	15/64"	1-29/32"	—	—	3/4"	RC-002
	UP200	5-1/2"	5/8"	15/64"	1-29/32"	—	—	1-1/4"	RC10#
NEW	UC201	4-15/16"	5/8"	23/64"	—	—	12°	1-1/4"	RC-002
	UP201	5-1/2"	5/8"	23/64"	—	—	12°	1-1/4"	RC10#
	UC202	4-15/16"	33/64"	—	1/8"	—	12°	3/4"	RC-002
	UP202	5-1/2"	5/8"	3/8"	1/8"	—	—	1-1/4"	RC10#
NEW	UC203	4-15/16"	5/8"	3/8"	1-9/16"	1/8"	—	3/4"	RC-002
	UP203	5-1/2"	5/8"	3/8"	1-9/16"	1/8"	—	1-1/4"	RC10#
NEW	UC204	4-15/16"	5/8"	5/32"	9/16"	—	7°	3/4"	RC-002
	UP204	5-1/2"	5/8"	5/32"	9/16"	—	7°	1-1/4"	RC10#
	UP205	5-1/2"	5/8"	9/64"	1/8"	—	—	1-1/4"	RC10#
	UP206	5-1/2"	5/8"	3/8"	9/64"	—	—	1-1/4"	RC10#
NEW	UC207	4-15/16"	5/8"	3/8"	5/32"	—	4°	3/4"	RC-002
	UP207	5-1/2"	5/8"	3/8"	5/32"	—	4°	1-1/4"	RC10#
NEW	UC208	4-15/16"	5/8"	13/32"	1-5/16"	1-15/16"	28°	3/4"	RC-002
	UP208	5-1/2"	5/8"	13/32"	1-5/16"	1-15/16"	28°	1-1/4"	RC10#

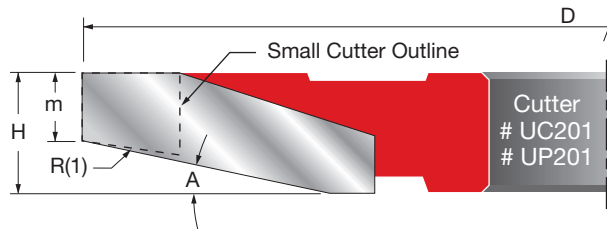
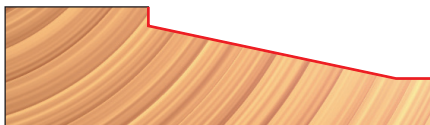
"#" Determines Bore Size
See Bushing & Rub Collars for Bore Selection

Number of Wings= 2+2

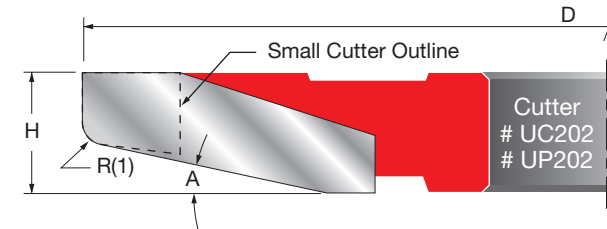
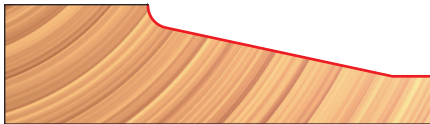
#UC200
#UP200



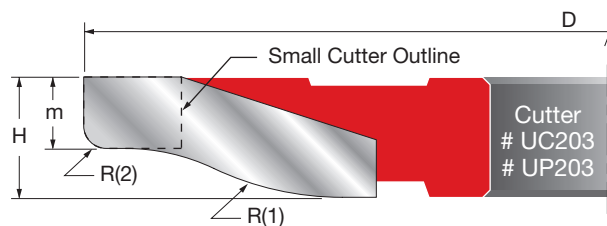
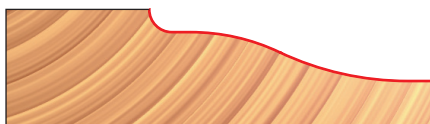
#UC201
#UP201



UC202
UP202



UC203
UP203



Red Item Numbers Indicate 1-1/4" Bore

All Profile Drawings 1:1 Scale



Fixed Wing Cutters



303

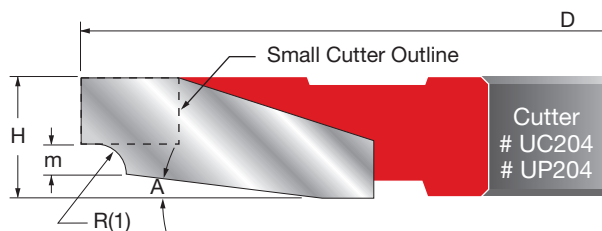
SHAPER CUTTERS

freud®

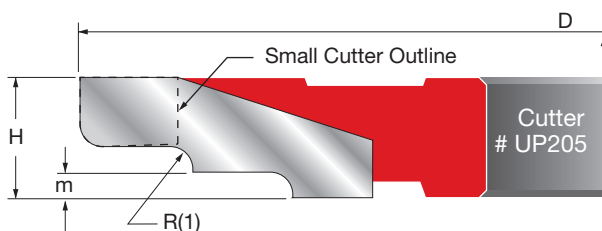


(Continued) 2+2 Raised Panel Cutters For 5/8" Stock

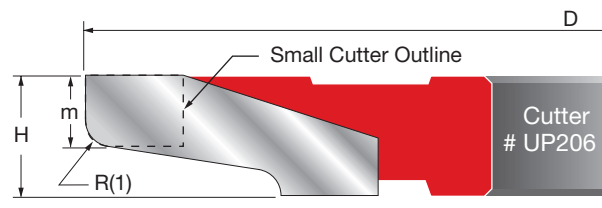
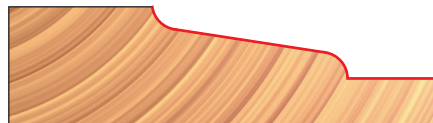
UC204
UP204



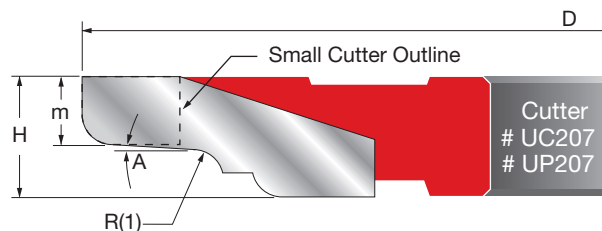
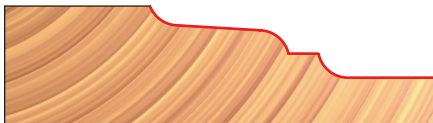
UP205



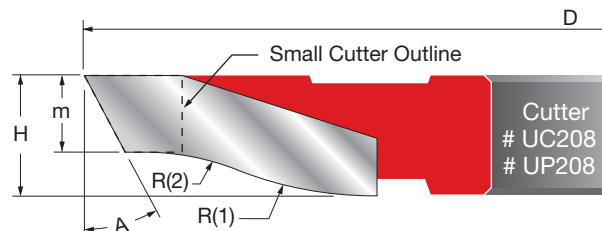
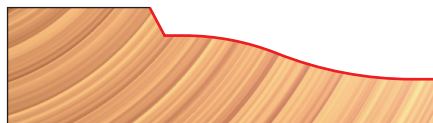
UP206



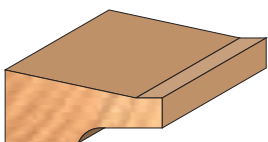
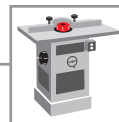
UC207
UP207



UC208
UP208



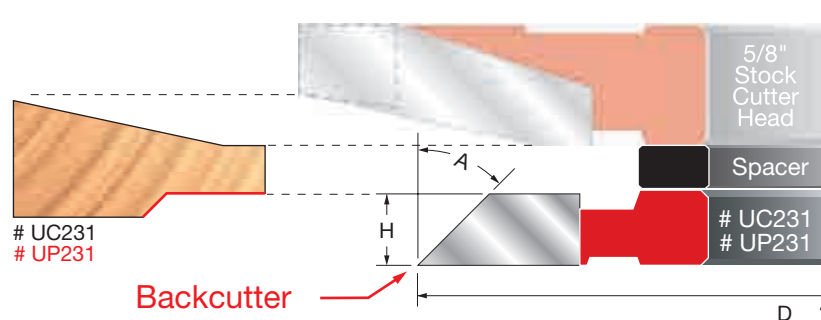
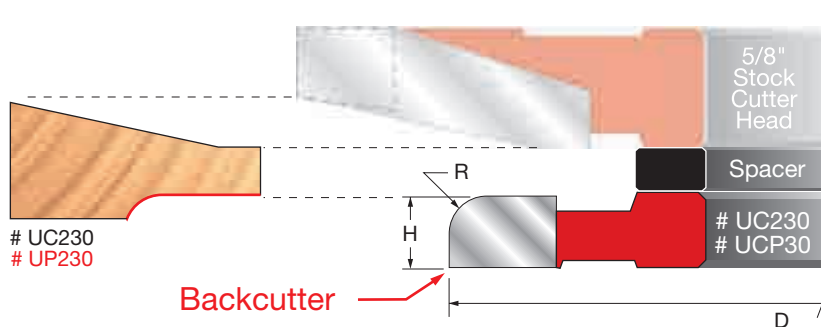
(Continued) Backcutter For Double Raised Panels



Freud's back-cutters are designed to be used with Freud's 2+2 Raised Panel Cutters when cutting 3/4" stock. Use the 1-1/4" bore cutters with Panel Cutters UP200 through UP208. Use 3/4" bore cutters with Panel Cutters UC200 through UC208. These cutters leave a decorative profile on the back side of the panel making the panel flush with both the front and back of the rails and stiles.

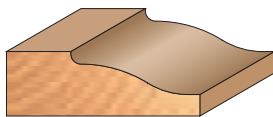
	Item Number	Overall Dia.(D)	Carbide Height(H)	Large Radius(R)	Angle	Bore Diameter
NEW	UC230	3-11/32"	3/8"	13/64"	—	3/4"
	UP230	3-15/16"	3/8"	13/64"	—	1-1/4"
NEW	UC231	3-45/64"	3/8"	—	45°	3/4"
	UP231	4-9/32"	3/8"	—	45°	1-1/4"

Number of Wings = 3





2+2 Raised Panel Cutters For 3/4" Stock



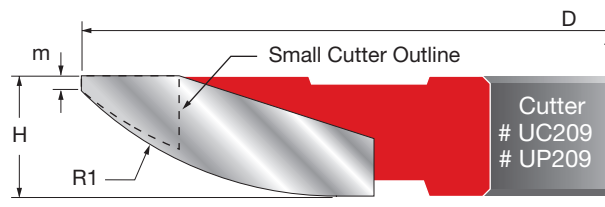
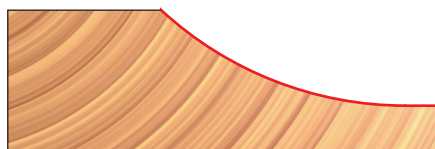
These 2+2 raised panel cutters are designed for 3/4" thick panels. The small cutter, with opposite shear angle, will push wood fibers down and shear them off leaving a crisp edge at the top of the panel, even on cross grain.

Item Number	Overall Dia.(D)	Carbide Height(H)	Minor Height(m)	Large Radius(R1)	Small Radius(R2)	Angle (A)	Bore Dia.	Rub Collar Number
UC209	4-15/16"	43/64"	1/8"	1-57/64"	—	—	3/4"	RC-002
UP209	5 1/2"	5/8"	5/64"	1-57/64"	—	—	1-1/4"	RC10#
UC210	4-15/16"	23/32"	23/64"	1-15/32"	1/8"	—	3/4"	RC-002
UP210	5-1/2"	5/8"	9/32"	1-15/32"	1/8"	—	1-1/4"	RC10#
UC211	4-15/16"	5/8"	15/64"	—	—	17°	3/4"	RC-002
UP211	5-1/2"	5/8"	15/64"	—	—	17°	1-1/4"	RC10#
UC212	4-15/16"	17/32"	—	13/64"	—	13°	3/4"	RC-002
UP212	5-1/2"	5/8"	—	13/64"	—	13°	1-1/4"	RC10#
UC213	4-15/16"	11/16"	21/64"	1-31/32"	1-3/8"	23°	3/4"	RC-002
UP213	5-1/2"	5/8"	9/32"	1-31/32"	1-3/8"	23°	1-1/4"	RC10#
UP214	5-1/2"	5/8"	21/64"	13/64"	1/8"	—	1-1/4"	RC10#
NEW UC215	4-15/16"	5/8"	15/64"	13/64"	—	10°	3/4"	RC-002
UP215	5-1/2"	5/8"	15/64"	13/64"	—	10°	1-1/4"	RC10#
UP216	5-1/2"	5/8"	1/4"	9/64"	—	—	1-1/4"	RC10#
UP217	5-1/2"	5/8"	15/64"	11/64"	9/64"	7.5°	1-1/4"	RC10#
UP218	5-1/2"	5/8"	1/4"	5/32"	9/64"	—	1-1/4"	RC10#
UP219	5-1/2"	5/8"	9/32"	1/8"	—	—	1-1/4"	RC10#
UP220	5-1/2"	5/8"	15/64"	9/32"	5/32"	—	1-1/4"	RC10#
NEW UC221	4-15/16"	5/8"	15/64"	9/64"	1/8"	4°	3/4"	RC-002
UP221	5-1/2"	5/8"	15/64"	9/64"	1/8"	4°	1-1/4"	RC10#
UP222	5-1/2"	5/8"	15/64"	1/8"	—	—	1-1/4"	RC10#
NEW UC223	4-15/16"	5/8"	13/64"	5/32"	1/8"	10°	3/4"	RC-002
UP223	5-1/2"	5/8"	13/64"	5/32"	1/8"	10°	1-1/4"	RC10#

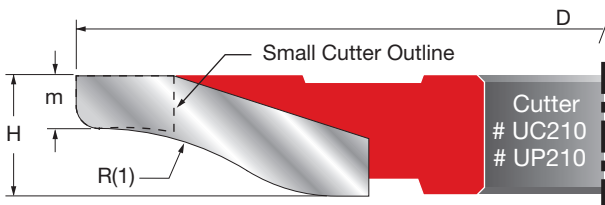
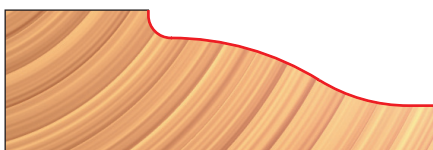
"#" Determines Bore Size
See Bushing & Rub Collars for Bore Selection

Number of Wings= 2+2

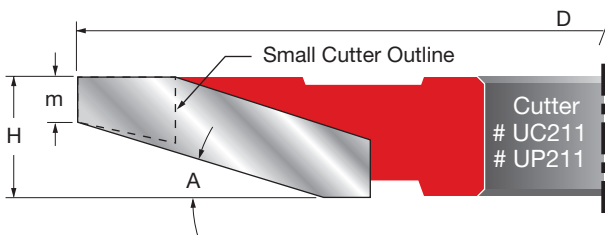
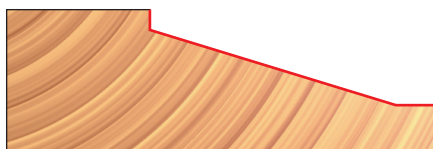
UC209
UP209



UC210
UP210



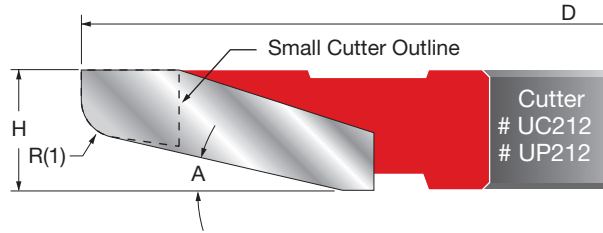
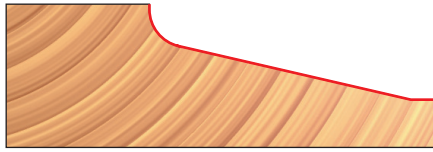
UC211
UP211



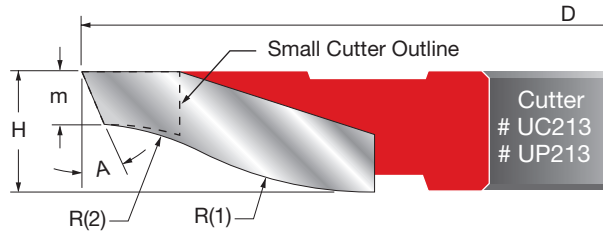
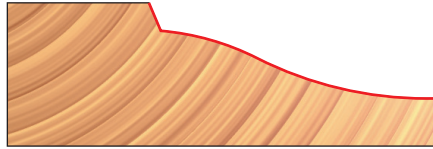
(Continued) 2+2 Raised Panel Cutters For 3/4" Stock



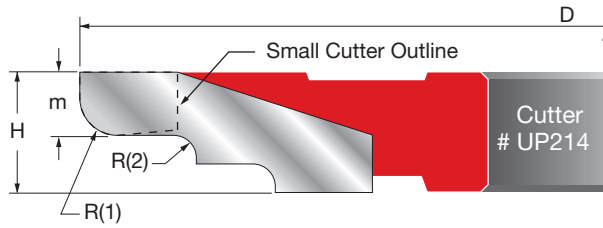
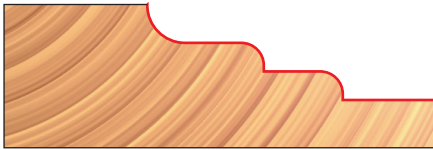
UC212
UP212



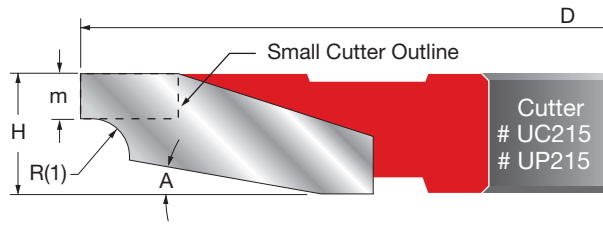
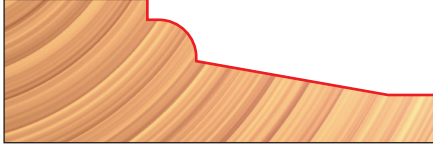
UC213
UP213



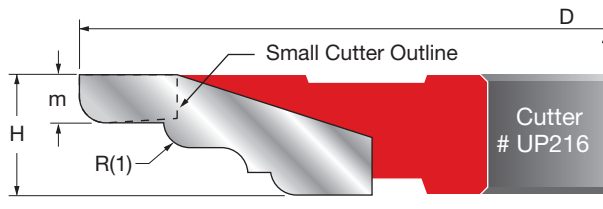
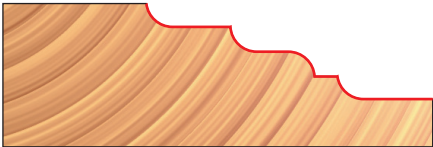
UP214



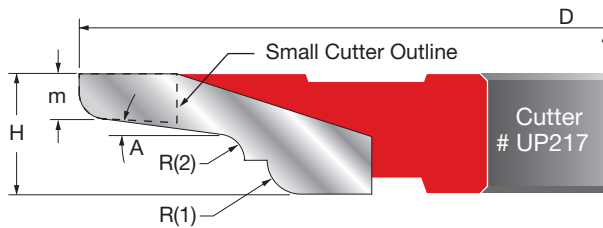
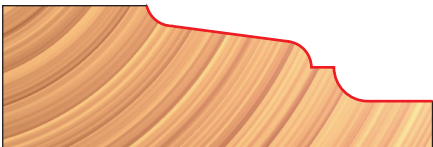
UC215
UP215



UP216



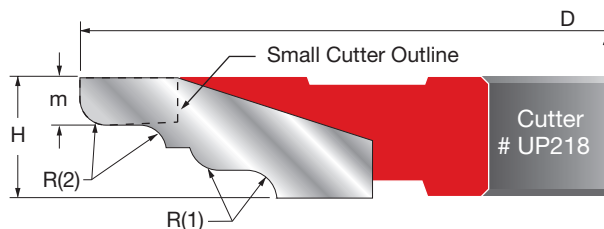
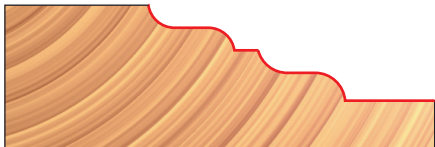
UP217



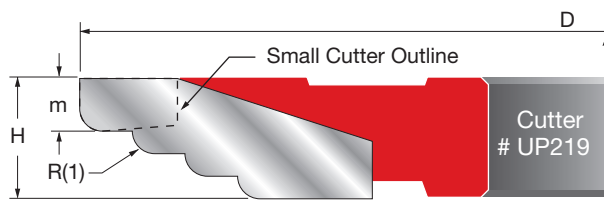
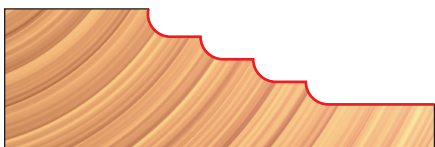


(Continued) 2+2 Raised Panel Cutters For 3/4" Stock

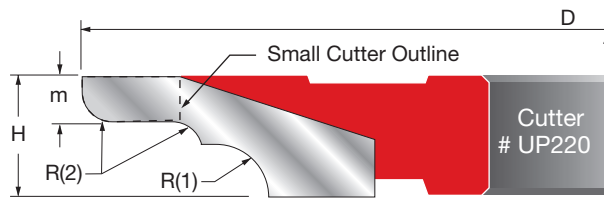
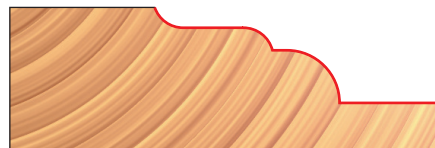
UP218



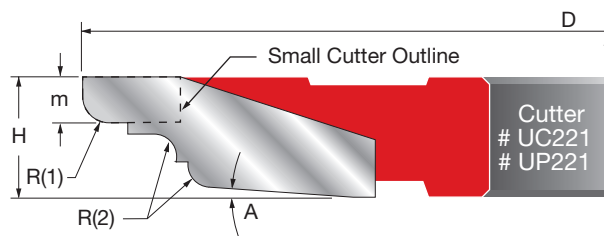
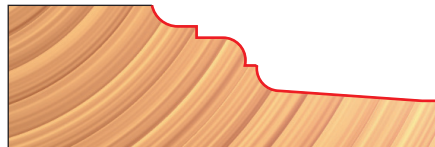
UP219



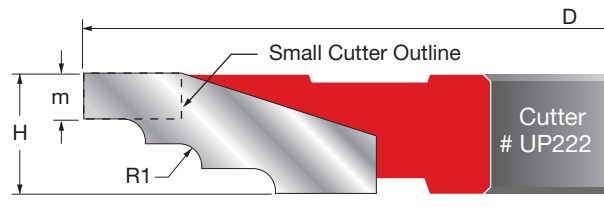
UP220



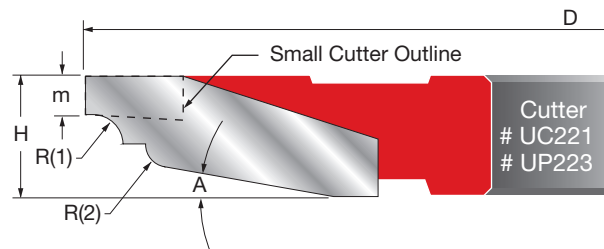
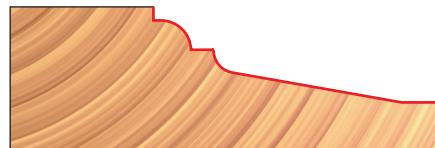
UC221
UP221



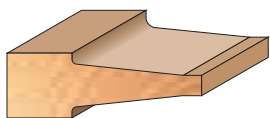
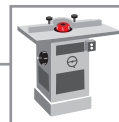
UP222



UC223
UP223



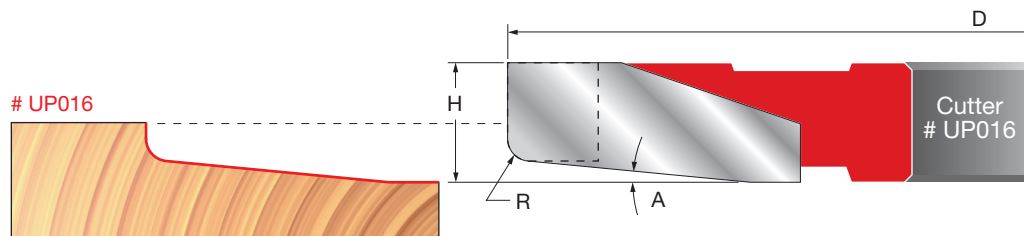
2+2 Raised Panel Cutter For Double-Sided Panels



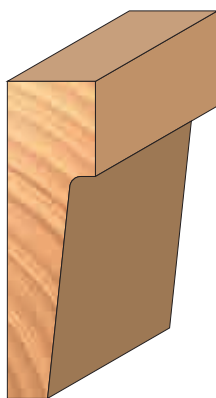
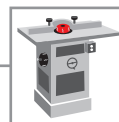
This 2+2 Raised Panel cutter is ideal for double-sided raised panel interior and exterior doors.

Item Number	Overall Dia.(D)	Carbide Height(H)	Large Radius(R)	Angle	Bore Diameter
UP016	5-1/2"	5/8"	1/8"	6°	1-1/4"

Number of Wings = 2+2



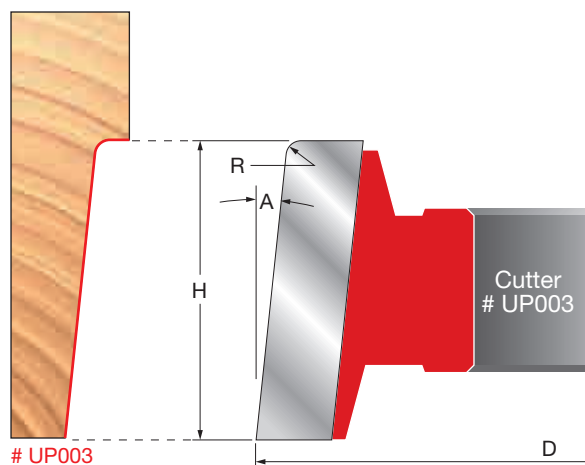
Vertical Raised Panel Cutter



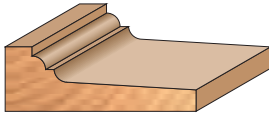
Freud's Vertical Raised Panel Cutters are designed to provide a full profile reveal, while keeping cutter diameter to a minimum. This reduces the stress on the spindle and will work well on lower powered shapers.

Item Number	Overall Dia.(D)	Carbide Height(H)	Large Radius(R)	Angle	Bore Diameter
UP003	3-9/16"	1-57/64"	5/64"	6°	1-1/4"

Number of Wings = 3



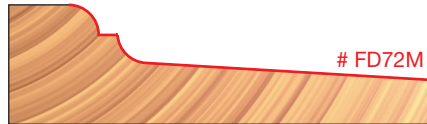
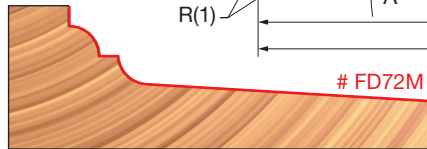
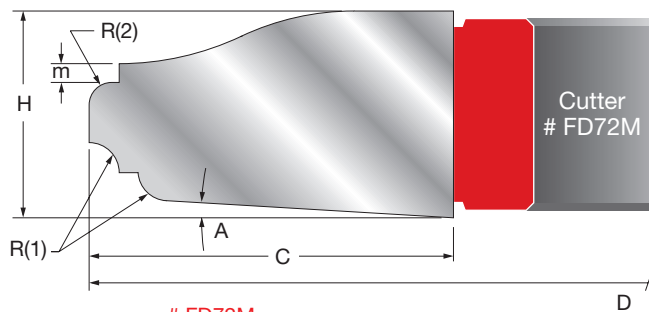
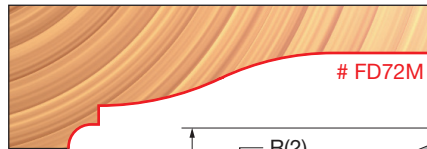
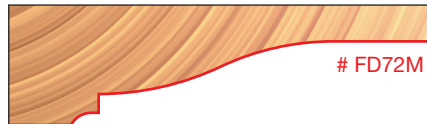
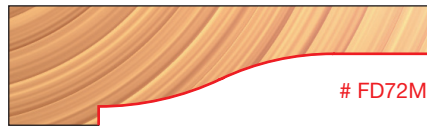
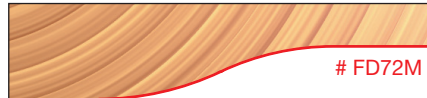
The "Duplex" Multi-Profile Raised Panel Cutter



The Duplex Raised Panel Cutter has the flexibility to create custom raised panel profiles using just one cutter. It can create eight different profiles using only one pass. Different profiles can be obtained by running the stock over or under the head and changing the height of the cutter.

Item Number	Overall Dia.(D)	Cut Depth(C)	Carbide Height(H)	Minor Height(m)	Large Radius(R1)	Small Radius(R2)	Angle	Bore Dia.
FD72M	5-29/32"	1-7/8"	1-5/64"	3/32"	5/32"	1/8"	3.5°	1-1/4"

Number of Wings = 3



Fixed Wing Cutters



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SHAPER CUTTERS

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